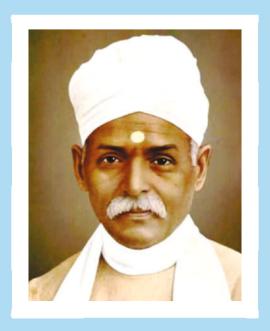
Annual Report & Annual Accounts 2021-22





Malaviya National Institute of Technology Jaipur



Bharat Ratna Pt. Madan Mohan Malaviya



VISION

To create a center for imparting technical education of international standards and conducting research at the cutting edge of technology to meet the current and future challenges of technological development.

MISSION

To create technical manpower for meeting the current and future demands of industry. To reorganize education and research in close interaction with industry with emphasis on the development of leadership qualities in the young men and women entering the portals of the Institute with sensitivity to social development and eye for opportunities for growth in the international perspective.



Annual Report & Annual Accounts 2021-22



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR - 302017



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Part - 1 Annual Report

_____ MNIT JAIPUR



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ACADEMIC PROGRAMS 2021-22

At Present the Institute offers four-year UG Programs and awards the Bachelor of Technology (B. Tech.) degree and a five-year UG Program to award the Bachelor of Architecture degree (B. Arch.). The PG Programs of two years (Full-Time)/three years (Part-Time) duration provide advanced learning of the specialized field and thus prepare human resources possessing advanced knowledge in the field of Engineering and Technology/Management/Sciences. The Institute also offers a full-time/part-time advanced Program leading to a Ph.D. degree in Engineering/Technology/Management/Sciences/Humanities & Social Sciences.

(a) Undergraduate Programs (Bachelor of Technology/Architecture)

Academic Programs to award Bachelor of Technology/Bachelor of Architecture Degree as listed below:

S.	Department Name	Discipline/Duration	Year of
No.			starting
1.	Architecture (1988)	Architecture (5 years)	1988
	Architecture & Planning (2011)		1900
2.	Civil Engineering	Civil Engineering (4 years)	1963
3.	Chemical Engineering	Chemical Engineering (4 years)	1988
4.	Computer Engineering/ Computer	Computer Engineering/ Computer	1994/2013
	Science & Engineering	Science & Engineering (4 years)	1994/2013
5.	Electrical Engineering	Electrical Engineering (4 years)	1963
6.	Electronics & Communication	Electronics & Communication	1984
	Engineering	Engineering (4 years)	1364
7.	Mechanical Engineering	Mechanical Engineering (4 years)	1963
8.	Metallurgical Engineering/Metallurgical	Metallurgical Engineering/Metallurgical	
	& Materials Engineering	& Materials Engineering (4 years)	1963/2006



(b) Postgraduate Programs (Technology/Science/Management)

Academic Programs leading to M.Tech. /M.Plan. /M.B.A. /M.Sc. Degree as listed below:

S. No.	Department	Program	Year of starting
1.	Centre for Energy & Environment	Renewable Energy	2013
2.	Chemical Engineering	Chemical Engineering	2006
3.	Civil Engineering	Environmental Engineering	1989
4.	Civil Engineering	Water Resources Engineering	1985
5.	Civil Engineering	CAD/Structural Engineering	1996/2006
6.	Civil Engineering	Transportation Engineering	1996
7.	Civil Engineering	Disaster Assessment and Mitigation / Civil Engineering (Disaster Assessment and Mitigation)	2010
8.	Computer Science & Engineering	Computer Engineering	2008
9.	Computer Science & Engineering	Computer Engineering & Information Security	2016
10.	Electrical Engineering	Power Systems	1987
11.	Materials Research Centre	Materials Science & Engineering	2016
12.	Electrical Engineering	Power Electronics & Drives	2015
13.	Electronics & Communication Engineering	VLSI Design	2006
14.	Electronics & Communication Engineering	Wireless & Optical Communication	2014
15.	Electronics & Communication Engineering	Embedded Systems	2014
16.	Electronics & Communication Engineering	Electronics & Communication Engineering	1992
17.	Mechanical Engineering	Manufacturing System Engg./ Industrial Engineering	1996/2013
18.	Mechanical Engineering	Energy/Thermal Engineering	2006/2013
19.	Mechanical Engineering	Production Engineering	2013
20.	Mechanical Engineering	Design Engineering	2013
21.	Metallurgical & Materials Engineering	Non-Ferrous Met./Metallurgical & Materials Engineering	1971/2006
22.	Metallurgical & Materials Engineering	Steel Technology	2013
23.	Architecture & Planning	Urban Planning	2008
24.	National Centre for Disaster Mitigation & Management	Earthquake Engineering	2015



25.	Electrical Engineering	Power Systems Management	2018
26.	Chemistry	M.Sc. in Chemistry/Applied	2006
		Chemistry/Chemistry	
27	Mathematics	M.Sc. in Mathematics/Applied	2006
27.		Mathematics / Mathematics	
28.	Physics	M.Sc. in Physics/Applied Physics/	2006
20.	Filysics	Physics	2000
29.	Management Studies	MMS/M.B.A.	1996/2006

ADMISSION PROCEDURE

(a) Undergraduate Programs

The admission is based on the Joint Entrance Examination (JEE) (Main) conducted by the Central Board of Secondary Education (CBSE) and after online centralized counselling of Joint Seat Allocation Authority (JoSAA)/Central Seat Allocation Board (CSAB) on behalf of the Ministry of Human Resource Development, Govt. of India, New Delhi. The minimum academic qualification for admission through Joint Entrance Examination (Main) is that the candidate must have passed in the final examination of class 12th or an equivalent qualifying examination. Foreign students are admitted through the Direct Admission of Students Abroad (DASA), the Indian Council for Cultural Relations (ICCR) and the Ministry of External Affairs (MEA).

(b) Postgraduate Programs

Master of Technology (M. Tech.)/Master of Planning (Urban Planning):

Admissions for Master of Technology (M. Tech.)/Master of Planning (Urban Planning) are done as follow:

- (i) Full Time with Assistantship: On the basis of a valid score in the Graduate Aptitude Test in Engineering (GATE) examination conducted by Indian Institute of Science (IISc) and Indian Institute of Technology (IIT) on behalf of the National Coordination Board (NCB) GATE, Department of Higher Education, and MoE Government of India through Centralized Counseling for M.Tech./M.Arch./M.Plan. Admissions (CCMT) counselling.
- (ii) **Sponsored candidates (Full Time/Part Time):** Whether full-time or part-time, through Test/Interview (depending on availability of seats)/Admissions to full-time and part-time.



- (iii) Master of Science (M.Sc.): Institute offers the following Master of Science (M.Sc.) Programs: (i) M.Sc. in Chemistry (ii) M.Sc. in Physics (iii) M.Sc. in Mathematics Admission in M.Sc. is done on the basis of Joint Admission Test for M. Sc. (JAM) examination. Joint Admission Test for M.Sc. (JAM) is an all-India Examination conducted across the country jointly by the Indian Institute of Technology and Indian Institute of Science through Centralized Counseling for M.Sc./M.Sc. (Tech.) admissions to NITs and CFTIs (CCMN).
- (iv) Master of Business Administration (MBA): Admission for Master of Business Administration (MBA) Programs is done through a Written Test/Group Discussion/Personal Interview conducted by the Department of Management Studies, MNIT Jaipur. The applicant should have valid test scores obtained in CAT, GMAT, CMAT, XAT and MAT to participate in the selection process, apart from fulfilling minimum eligibility criteria for admission i.e., Bachelor's Degree in Engineering, Science, Commerce, Economics, Business Administration, Architecture, Pharmacy, Agricultural or Computer Applications or Master degree in Physics, Chemistry, Mathematics, Economics while scoring minimum CGPA of 6.5 on the 10-point scale (60% marks, only where CGPA is not awarded) with relaxation for SC/ST implying a minimum of 6.0 on the 10-point scale (55% marks, only where CGPA is not awarded).

(c) Ph.D. Programs

Admissions for Ph.D. Programs are done through written tests/interviews conducted by the respective department.

BOARD OF GOVERNORS

The institute is managed by a Board of Governors which consists of

- (a) The Chairperson (appointed by the Visitor)
- (b) The Director, Ex officio
- (c) Two persons not below the rank of Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance,
- (d) Two persons to be nominated by the Government of the state in which the institute is situated from amongst persons who, in the opinion of that Government are technologists or industrialists of repute,
- (e) Two persons, at least one of whom shall be a woman having special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council; and
- (f) One Professor and one Assistant Professor or a Lecturer of the Institute are to be nominated by the Senate.
- (g) The Director of the Indian Institute of Technology in whose zone the Institute is located, or his nominee, not below the rank of a Professor.

The present composition of the Board of Governors is given in Annexure 11.1



FINANCE COMMITTEE

The Committee is constituted by the Board of Governors which consists of-

- (i) The Chairperson Board of Governors, Ex- officio Chairperson
- (ii) The Director, Ex- officio Member
- (iii) Joint Secretary dealing with National Institutes of Technology or his nominee and Financial Advisor (Human Resource Development) or his nominee members
- (iv) Two persons nominated by the Board from amongst its members and
- (v) The Registrar, Ex-officio, Member Secretary

The present composition of the Finance Committee is given in Annexure 11.2

BUILDING AND WORKS COMMITTEE

The Committee is constituted by the Board of Governors which consists of-

- (i) The Director, Ex-officio Chairman
- (ii) One member nominated by the Central Government, not below the rank of Director or Deputy Secretary
- (iii) One member nominated by the Board of Governors
- (iv) Registrar, Ex-officio, Member Secretary
- (v) Dean Planning & Development or similar position Member and
- (vi) One expert each from the Civil and Electrical Engineering Wing of the Central or State Government or any autonomous body of repute Member

The present composition of the Building and Works Committee is given in Annexure 11.2.

SENATE

The Senate of every Institute shall consist of the following-

- (i) The Director, ex officio, who shall be the Chairman of the Senate
- (ii) The Deputy Director, ex officio;
- (iii) The Professors appointed or recognised as such by the Institute for the purpose of imparting instruction in the Institute
- (iv) Three persons, one of whom shall be a woman, not being employee of the Institute, to be nominated by the Chairperson in consultation with the Director, from amongst educationists of repute, one each from the field of science, engineering and humanities; and such other members of the staff as may be laid down in the Statutes.

The present composition of the Senate is given in Annexure 11.2

STAFF

The details of teaching, administrative and other staff are given in chapters 3.1 and 3.2.



ACADEMIC DEPARTMENTS

Detailed information about the academic departments of the Institute including the participation of faculty members in seminars, symposia, workshops and summer/winter schools and organization of various academic activities by the faculty members are listed in chapter 11.5. Sponsored research projects/consultancy worth more than 10.4 Crores are currently under progress at the Institute. The consultancy revenue generation has also increased in the Institute. The Institute is a part of the Technical Education Quality Improvement Program (TEQIP), Phase III.

The details regarding the research projects and consultancy projects are listed in chapter 11.3. The research output in the form of publication in journals/conference proceedings/books is given in chapter 11.8. A large number of M.Tech. and Ph.D. students are carrying out research for their dissertation/thesis work. The details of each candidate along with his area of research are given in chapter 11.7.

EXAMINATION AND EVALUATION

Credits System

Education at the Institute is organized around the credit system of study. The prominent features of the credit system are the process of continuous evaluation of a student's performance and the flexibility to allow a student to progress at an optimum pace suited to his/her ability or convenience, subject to fulfilling the minimum requirements for continuation.

Each course has a certain number of credits, which describe its weightage. A student's performance is measured by the number of credits that he/she has completed satisfactorily. A minimum Grade Point Average is required to be maintained for a satisfactory process. Also, a minimum number of earned credits should be obtained in order to qualify for the degree.

Every course is coordinated by a member of the teaching staff of the department, that offers the course in a given semester. This faculty member is called the Course Coordinator. She has full responsibility for conducting the course, coordinating the work of the other members of the faculty involved in that course and for holding tests and assignments and awarding grades. For any difficulty, a student is expected to approach the Course Coordinator for advice and clarification.

Grading System

The grades are being awarded as per the Table listed below-



Structure of grading of academic performance

Academic Performance	Grades	Grade Points
Outstanding	AA	10
Excellent	AB	9
Very Good	BB	8
Good	BC	7
Average	CC	6
Below Average	CD	5
Marginal	DD/D	4
Failed due to Poor Performance/Fail	FP/F	0
Failed due to Attendance Shortage/Fail	FA/F	0
Incomplete/Work in Progress	I/IW	-
Withdrawal	W	-
Waiver	WR	-
Satisfactory/unsatisfactory	S/X	-

The following abbreviations are also used against a subject, wherever required:

[REP]: for repeating a paper in which grade F/FP/FA was obtained earlier

[SUB]: for substituting an elective course for other elective course

[IMP]: for improving grade in a course

[GNI]: grade not included in the calculation of CGPA & SGPA

Scholarships:

A number of scholarships are available to the students on merit or merit cum need basis. The scholarships are extended to the students of the U.G., P.G. and Ph.D. Programs of the institutes. Some of the prominent funding agencies for the assistantships are the MHRD, the AICTE, Ministry of Urban Development CSIR, SAIL, ONGC, Ministry of Social Justice, Ministry of Tribal Affairs NCPEDP, NTPC Ltd, Ministry of Minority Affairs, NCERT, and Boards of Higher Education of various states.

Many scholarships are sponsored by individuals. The details are given in annexure 11.9.

Training & Placement:

The Placement Cell has been active in arranging training and placement for students. This year more than 110 companies visited the Campus and selected 497 (402 B.Tech and 95 PG Courses) students. The highest and Average Packages offered by companies were Rs. 38 LPA and the average package of placed students (B.Tech) was 8.9 LPA.

The details are given in annexure 11.10.



Library:

The Central Library spread in around 16,000 Sq. feet area is located in the center of the institute, and provides air conditioned setting capacity of around 400 users at a time. The library is well equipped with comfortable furniture and other support facilities.

The Library is using Koha (Library Management Software) and is enabled with hi-tech facilities for circulation like RFID, Self Issue-Return Kiosk, and Smart Card Technology. It has a rich collection of Print and E-resources such as 167000+ Print Books, 3500+ e-books, 32000+ e-journals, etc, in different disciplines of engineering, science, management and humanities

Hostels:

There are fourteen hostels for the students of the Institute, eleven for boys and three for girls. The total capacity of hostels for male candidates is around 3000 and that for female candidates is around 1500. Apart from accommodation for regular students, the institue has 60 well-furnished guest rooms (40 for male candidates and 20 for female candidates) for research scholars, trainees of short-term training programs, etc., visiting MNIT for short durations. The hostels are equipped with modern facilities like net connectivity through Wi-Fi/ LAN, automatic laundry facilities, solar geysers, etc.; all hostels have manned security around the clock. All the hostel premises have large open areas with good landscaping and playgrounds.

The details are given in chapter 4.5.

Games & Sports:

The Malaviya Sports Tournament MST'19 was a dream of the team that wanted to make it true. It stands for one of the best sports tournaments of Rajasthan hosted by MNIT Jaipur and its 12th edition was held from 21st - 23rd February 2019 with the usual excitement and vigor. The Annual Athletics Meet was organized from 18th - 19th September 2019. The All India Inter-NIT Gym, Chess (M&W) and Tennis (M&W) Tournament 2019-20 was held at MNIT Jaipur from 17th -19th October 2019. Around 400 players participated in this tournament from 18 different NITs from all over India. The All-India Inter-NIT Badminton (Men & Women), Table Tennis (Men & Women) & Chess (Combined Men & Women) Staff Tournament was held from 18th Dec. to 20th Dec. 2019. Around 250 players participated in this tournament from 18 different NITs from all over India.

Date:

Place: Jaipur

Director



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

ANNUAL REPORT YEAR 2021-22

1. INTRODUCTION

1.1 VISION AND MISSION STATEMENT

Vision

To create a center for imparting technical education of international standards and conducting research at the cutting edge of technology to meet the current and future challenges of technological development.

Mission

To create technical manpower for meeting the current and future demands of industry. To reorganize education and research in close interaction with industry with emphasis on the development of leadership qualities in the young men and women entering the portals of the Institute with sensitivity to social development and an eye for opportunities for growth in the international perspective.

1.2 QUALITY POLICY

The MNIT shall strive to impart knowledge in such a manner as to achieve total satisfaction of students, parents, employers, and society.

INSTITUTE MOTTO

Excellence can be achieved only through perseverance and hard work.

1.3 EDUCATION SYSTEM

The Institute is a centrally funded technical institute and awards its own degree. Semester scheme is followed for both undergraduate and postgraduate program. The academic performance of a student is graded on a tenpoint scale; the letter grades awarded to a student in all the courses (except audit courses) are converted into a semester and cumulative performance index called the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) respectively. A system of feedback by the students about the instructor and the course is also in practice.



2. AN OVERVIEW

2.1 HISTORICAL BACKGROUND

Established in 1963 as a joint venture of the Government of India and the Government of Rajasthan, the Malaviya Regional Engineering College, Jaipur started functioning with 30 students each in Electrical Engg. and Mechanical Engg. The college shifted to its present campus in Jaipur in 1965. Spread over 125 hectares of lush greenery, the campus of MNIT enthrals and inspires. Indeed, all the states and union territories of the country are represented in the undergraduate intake of the Institute (50% from Rajasthan & 50% from all other states & union territories of India), thus making it a perfect example of the celebrated axiom, 'unity in diversity'.

The great educationist and visionary, Prof. V. G. Garde, as its first Principal, moulded its destiny, with his characteristic élan, into a renowned Institute. The effort to maintain the high standard and committed approach of the College to the cause of technical excellence was recognized by the Ministry for Human Resource Development and University Grants Commission, New Delhi which granted it the status of a National Institute of Technology and Deemed University on June 26, 2002. It is one of the 31 NITs established in different states of the country. Through an Act of Parliament, it has been granted the status of a Centre of Excellence since 15th August 2007. Governed by the NIT Council, the Institute has four statutory bodies, namely, the Board of Governors, the Finance Committee, the Building and Works Committee and the Senate. The Institute is fully funded by MHRD, the Government of India, New Delhi.

The Institute is under the administrative control of a Board of Governors. It is authorized by the • arliament to award its own degree.

There are fourteen departments and *ix centres viz. Architecture, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Metallurgical and Materials Engineering, Physics, Chemistry, Mathematics*Management Humanities and Social Sciences and Centre for Energy and Environment. The *ix centres are the Centre of Excellence in Design, Materials Research Centre (MRC), Centre for Development of Stones, Advanced Research Tribology Lab, National Centre for Disaster Mitigation and Management and Data Centre.

The Institute offers 8 undergraduate and 29 postgraduate Programs. The details of postgraduate Programs with their date of commencement are as under:

Academic Programs leading to Bachelor of Technology/Bachelor of Architecture Degree as listed below:

S.	Department Name	Discipline/Duration	Year of
No.			starting
1.	Architecture (1988)	Architecture (5 years)	1988
	Architecture & Planning (2011)		1900
2.	Civil Engineering	Civil Engineering (4 years)	1963
3.	Chemical Engineering	Chemical Engineering (4 years)	1988



4.	Computer Engineering/ Computer	Computer Engineering/ Computer	1994/2013
	Science & Engineering	Science & Engineering (4 years)	1994/2015
5.	Electrical Engineering	Electrical Engineering (4 years)	1963
6.	Electronics & Communication	Electronics & Communication	1984
	Engineering	Engineering (4 years)	1704
7.	Mechanical Engineering	Mechanical Engineering (4 years)	1963
8.	Metallurgical Engineering/Metallurgical	Metallurgical Engineering/Metallurgical	1062/2006
	& Materials Engineering	& Materials Engineering (4 years)	1963/2006

Academic Programs leading to M. Tech. /M.Plan. /M.B.A. /M.Sc. Degree as listed below:

S. No.	Department	Program	Year of starting
1.	Centre for Energy & Environment	Renewable Energy	2013
2.	Chemical Engineering	Chemical Engineering	2006
3.	Civil Engineering	Environmental Engineering	1989
4.	Civil Engineering	Water Resources Engineering	1985
5.	Civil Engineering	CAD/Structural Engineering	1996/2006
6.	Civil Engineering	Transportation Engineering	1996
		Disaster Assessment and Mitigation /	
7.	Civil Engineering	Civil Engineering (Disaster Assessment	2010
		and Mitigation)	
8.	Computer Science & Engineering	Computer Engineering	2008
9.	Computer Science & Engineering	Computer Engineering & Information	2016
9.	Computer Science & Engineering	Security	2010
10.	Electrical Engineering	Power Systems	1987
11.	Materials Research Centre	Materials Science & Engineering	2016
12.	Electrical Engineering	Power Electronics & Drives	2015
13.	Electronics & Communication	VLSI Design	2006
	Engineering	VESI Design	2000
14.	Electronics & Communication	Wireless & Ontical Communication	2014
	Engineering	Wireless & Optical Communication	2014
15.	Electronics & Communication	Embedded Systems	2014
	Engineering		2014
16.	Electronics & Communication	Electronics & Communication	1992
	Engineering	Engineering	1992



17.	Mechanical Engineering	Manufacturing System Engg./ Industrial Engineering	1996/2013
18.	Mechanical Engineering	Energy/Thermal Engineering	2006/2013
19.	Mechanical Engineering	Production Engineering	2013
20.	Mechanical Engineering	Design Engineering	2013
21.	Metallurgical & Materials Engineering	Non-Ferrous Met./Metallurgical & Materials Engineering	1971/2006
22.	Metallurgical & Materials Engineering	Steel Technology	2013
23.	Architecture & Planning	Urban Planning	2008
24.	National Centre for Disaster Mitigation & Management	Earthquake Engineering	2015
25.	Electrical Engineering	Power Systems Management	2018
26.	Chemistry	M.Sc. in Chemistry/Applied Chemistry/Chemistry	2006
27.	Mathematics	M.Sc. in Mathematics/Applied Mathematics / Mathematics	2006
28.	Physics	M.Sc. in Physics/Applied Physics/ Physics	2006
29.	Management Studies	MMS/M.B.A.	1996/2006

The bedrock of any academic institution is the quality of its faculty and in this arena, MNIT is at the forefront. Our 198 full-time experienced faculties have a passion for teaching and an avowed commitment to R&D. The global perspective of the faculty makes the Institute a premier institute of learning in India. The majority of the faculty hold doctoral degrees. Quality teaching is what we aim at so as to stimulate intellectual curiosity, creativity and innovativeness. The Institute is actively engaged in research, consultancy and developmental activities and collaborates with leading industrial houses and IT companies under various projects.

The institute is a part of the World Bank-supported Technical Education Quality Improvement Program (TEQIP) phase III implemented by the National Project Implementation Unit (NPIU).

The performance of the institute in phase II of the project has been creditable. The Institute has residential facilities for boys as well as girls in its campus. The hostel facility to the maximum extent of accommodation available is also provided to the students of the Institute.



2.2 LOCATION

The Institute is located in Malaviya Nagar on Jawahar Lal Nehru Marg. The main Railway Station and Bus Stand are approximately 10 km from the Institute whereas the Airport is about 5 km away located at Sanganer. Frequent city transport and private transport services are available for the Institute from every point of the city.

2.3 CAMPUS

The campus of the Institute is spread over an area of 125 hectares. It presents a spectacle of harmony in modern architecture, natural beauty and pictures. The campus area has been organized into three functional sectors:

- Hostels for Students
- Instructional Buildings
- Residential Sector for the Staff

The instructional buildings have been so located that these are fairly near to both the hostels and the staff quarters and are at a walking distance from both. There is a branch of ICICI Bank on the premises and a Post-office on the campus. A full-fledged dispensary is supervised by a team of Medical Officers and two Compounders. The Institute has also been extending the facility of a Part-time Homeopathic doctor and Ayurvedic doctor on the campus. Adequately equipped Canteen buildings, one near the instructional zone and another near the hostels provide facilities to the students and the staff during and beyond the working hours of the Institute.

2.4 ADMINISTRATION

The Institute, being an autonomous Institution, is administered by Board of Governors, which consists of (i) Chairperson (appointed by Visitor) (ii) the Director, *ex officio* (iii) two persons not below the rank of Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance, (iv) two persons to be nominated by the Government of the state in which the institution is situated, from amongst persons who, in the opinion of that Government are technologists or Industrialists of repute, (v) two persons, at least one of whom shall be a woman having

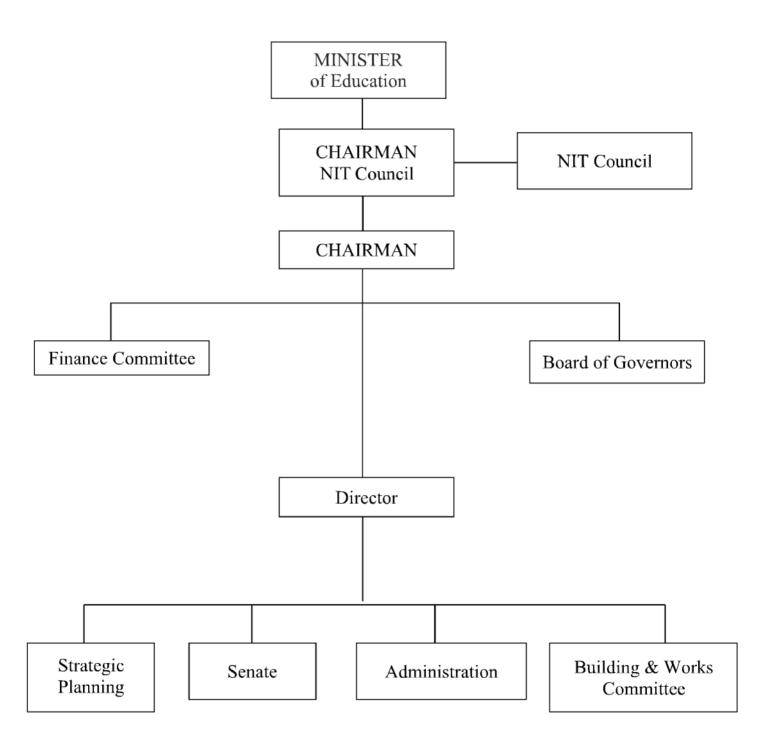


special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council; (vi) one professor and one assistant professor or a lecturer of the institute to be nominated by the Senate and (vii) the Director of the Indian Institute of Technology in whose zone the Institute is located, or his nominee, not below the rank of a Professor.

The students are given the opportunity to administer their own affairs affecting the co-curricular residential and recreational activities through various committees, such as the Institute Canteen Committee, Students' Aid and Welfare Committee, Hostels and Mess Committee etc.



ADMINISTRATIVE HIERARCHY OF MNIT JAIPUR





2.5 ACADEMIC PROGRAMS

At present the Institute offers four-year UG courses leading to the Bachelor of Technology (B. Tech.) degree and five years of Bachelor of Architecture degree (B. Arch.). The PG courses of two years (Full Time) and three years (Part-Time) duration provide advanced learning of the specialized area and thus prepare a human resource possessing advanced knowledge in the field of Engineering and Technology/Management/Sciences. The Institute also offers a full-time/part-time advanced Program leading to a Ph.D. degree in the areas of Engineering/Technology/Management/Sciences/Humanities & Social Sciences.

(a) Undergraduate Programs (Bachelor of Technology/Architecture)

Academic Programs leading to Bachelor of Technology/Bachelor of Architecture Degree as listed below:

S.	Department Name	Discipline/Duration	Year of
No.			starting
1.	Architecture (1988)	Architecture (5 years)	1988
	Architecture & Planning (2011)		1900
2.	Civil Engineering	Civil Engineering (4 years)	1963
3.	Chemical Engineering	Chemical Engineering (4 years)	1988
4.	Computer Engineering/ Computer	Computer Engineering/ Computer	1994/2013
	Science & Engineering	Science& Engineering (4 years)	
5.	Electrical Engineering	Electrical Engineering (4 years)	1963
6.	Electronics & Communication	Electronics & Communication	1984
	Engineering	Engineering (4 years)	1904
7.	Mechanical Engineering	Mechanical Engineering (4 years)	1963
8.	Metallurgical	Metallurgical Engineering/Metallurgical	
	Engineering/Metallurgical & Materials	& Materials Engineering (4 years)	1963/2006
	Engineering		

(b) Postgraduate Programs (Technology/Science/Management)

Academic Programs leading to M. Tech. /M.Plan./M.B.A./M.Sc. Degree as listed below:

S. No.	Department	Programme	Year of starting
1.	Centre for Energy & Environment	Renewable Energy	2013
2.	Chemical Engineering	Chemical Engineering	2006
3.	Civil Engineering	Environmental Engineering	1989
4.	Civil Engineering	Water Resources Engineering	1985
5.	Civil Engineering	CAD/Structural Engineering	1996/2006

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6.	Civil Engineering	Transportation Engineering	1996
7.	Civil Engineering	Disaster Assessment and Mitigation / Civil Engineering (Disaster Assessment and Mitigation)	2010
8.	Computer Science & Engineering	Computer Engineering	2008
9.	Computer Science & Engineering	Computer Engineering & Information Security	2016
10.	Electrical Engineering	Power Systems	1987
11.	Materials Research Centre	Materials Science & Engineering	2016
12.	Electrical Engineering	Power Electronics & Drives	2015
13.	Electronics & Communication Engineering	VLSI Design	2006
14.	Electronics & Communication Engineering	Wireless & Optical Communication	2014
15.	Electronics & Communication Engineering	Embedded Systems	2014
16.	Electronics & Communication Engineering	Electronics & Communication Engineering	1992
17.	Mechanical Engineering	Manufacturing System Engg./ Industrial Engineering	1996/2013
18.	Mechanical Engineering	Energy/Thermal Engineering	2006/2013
19.	Mechanical Engineering	Production Engineering	2013
20.	Mechanical Engineering	Design Engineering	2013
21.	Metallurgical & Materials Engineering	Non Ferrous Met./Metallurgical & Materials Engineering	1971/2006
22.	Metallurgical & Materials Engineering	Steel Technology	2013
23.	Architecture & Planning	Urban Planning	2008
24.	National Centre for Disaster Mitigation & Management	Earthquake Engineering	2015
25.	Electrical Engineering	Power Systems Management	2018
26.	Chemistry	M.Sc. in Chemistry/Applied Chemistry/Chemistry	2006
27.	Mathematics	M.Sc. in Mathematics/Applied Mathematics / Mathematics	2006
28.	Physics	M.Sc. in Physics/Applied Physics/ Physics	2006
29.	Management Studies	MMS/M.B.A.	1996/2006



2.6 ADMISSION PROCEDURE

(a) Undergraduate Programs

The admission is made through the Joint Entrance Examination (JEE) (Main) conducted by the Central Board of Secondary Education (CBSE) and after online centralized counselling of Joint Seat Allocation Authority (JoSAA)/Central Seat Allocation Board (CSAB) on behalf of the Ministry of Human Resource Development, Govt. of India, New Delhi. The minimum academic qualification for admission through Joint Entrance Examination (Main) is that the candidate must have passed in the final examination of class 12th or an equivalent qualifying examination. Foreign students are admitted through the Direct Admission of Students Abroad (DASA), the Indian Council for Cultural Relations (ICCR) and the Ministry of External Affairs (MEA).

(b) Postgraduate Programs

Master of Technology (M. Tech.)/Master of Planning (Urban Planning):

Admissions for Master of Technology (M. Tech.)/Master of Planning (Urban Planning) are done:

- (i) Full Time with Assistantship: On the basis of a valid score in Graduate Aptitude Test in Engineering (GATE) examination conducted by Indian Institute of Science (IISc), and Indian Institute of Technology (IIT)on behalf of the National Coordination Board (NCB)- GATE, Department of Higher Education, MoE Government of India through Centralized Counselling for M.Tech./M.Arch./M.Plan. Admissions (CCMT) counselling.
- (ii) **Sponsored candidates (Full Time/Part Time):** Whether full-time or part-time, through Test/Interview (depending on availability of seats)/Admissions to full-time and part-time.
- (iii) Master of Science (M.Sc.): Institute offers the following Master of Science (M.Sc.) Programs: (i) M.Sc. in Chemistry (ii) M.Sc. in Physics (iii) M.Sc. in Mathematics. Admission is done on the basis of a valid qualification of the Joint Admission Test for the M. Sc. (JAM) examination. The Joint Admission Test for M.Sc. (JAM) is an all-India Examination conducted across the country jointly by the Indian Institute of Technology and Indian Institute of Science through Centralized Counselling for M. Sc. /M.Sc. (tech.) admissions to NITs and CFTIs (CCMN).
- (iv) Master of Business Administration (MBA): Admission for Master of Business Administration (MBA) Programs is done through a Written Test/Group Discussion/Personal Interview conducted by the Department of Management Studies, MNIT Jaipur. The applicant should have valid test scores



obtained in CAT, GMAT, CMAT, XAT, and MAT to participate in the selection process, apart from fulfilling minimum eligibility criteria for admission i.e. Bachelor's Degree in Engineering, Science, Commerce, Economics, Business Administration, Architecture, Pharmacy, Agricultural or Computer Applications or Master degree in Physics, Chemistry, Mathematics, Economics while scoring minimum CGPA of 6.5 on the 10-point scale (60% marks, only where CGPA is not awarded) with relaxation for SC/ST implying a minimum of 6.0 on the 10-point scale (55% marks, only where CGPA is not awarded).

(c) Ph.D. Programs

Admission for Ph.D. Programs is done through written tests/interviews conducted by the respective Department.



2.7 STUDENTS INTAKE

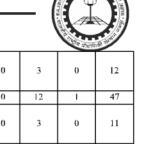
(a) Undergraduate Programs

The intake/allocation of 888 seats for students from Rajasthan & other than Rajasthan states for the session 2021-22 are as follows:

Institute Code	Program Code	Program Name	State / All India Seats	Seat Pool	OPEN	OPEN- PWD	EWS	EWS- PWD	sc	SC- PWD	ST	ST- PWD	OBC NCL	OBC- NCL- PWD	Total
				Gender-Neutral	11	1	3	0	5	0	2	0	8	0	30
202	5101	Architecture	Rajasthan	Female-Only (Including Supernumerary)	3	0	0	0	1	0	1	0	2	1	8
				Gender-Neutral	19	- 1	4	1	6	-0	4	0	-11	1	47
202	4107	Chemical Engineering	Rajasthan	Female-Only (Including Supernumerary)	4	0	1	0	2	0	1	0	3	0	11
				Gender-Neutral	16	2	5	-0	-6	1	3	0	12	0	45
202	4109	Civil Engineering	Rajasthan	Female-Only (Including Supernumerary)	5	0	1	0	2	0	1	0	3	0	12
		Computer		Gender-Neutral	17	-	4	1	7	-0	3	-0	13	ı	47
202	4110	Science And Engineering	Rajasthan	Female-Only (Including Supernumerary)	5	0	ı	0	2	0	1	0	2	0	11
				Gender-Neutral	18	0	5	0	7	1	3	0	12	1	47
202	4111	Electrical Engineering	Rajasthan	Female-Only (Including Supernumerary)	4	ı	ı	0	ı	0	1	0	3	0	11
		Electronics &		Gender-Neutral	18	0	5	0	8	0	2	1	12	1	47
202	4114	Communication Engineering	Rajasthan	Female-Only (Including Supernumerary)	5	1	1	0	1	0	1	0	3	0	12
				Gender-Neutral	18	- 1	4	0	-6	1	4	0	12	1	47
202	4125	Mechanical Engineering	Rajasthan	Female-Only (Including Supernumerary)	5	0	1	0	2	0	1	0	3	0	12
		Metallurgical &		Gender-Neutral	19	1	4	0	6	0	2	1	12	0	45
202	4127	Materials Engineering	Rajasthan	Female-Only (Including Supernumerary)	3	0	2	0	1	1	2	0	3	0	12
				Total (A)	170	9	42	2	63	4	32	2	114	6	444

Institute Code	Program Code	Program Name	State / All India Scats	Seat Pool	OPEN	OPEN- PwD	EWS	EWS- PwD	sc	SC- PwD	ST	ST- PwD	OBC- NCL	OBC- NCL- PwD	Total
			Other	Gender-Neutral	12	1	3	0	5	0	2	0	7	1	31
202	5101	Architecture	than Rajasthan	Female-only (including Supernumerary)	3	0	1	0	1	0	1	0	2	0	8
			Other	Gender-Neutral	18	1	5	-0	6	0	4	0	11	1	46
202	4107	Chemical Engineering	than Rajasthan	Female-only (including Supernumerary)	4	0	ı	0	2	0	1	0	3	0	11
			Other	Gender-Neutral	17	1	4	1	6	1	4	0	12	0	46
202	4109	Civil Engineering	than Rajasthan	Female-only (including Supernumerary)	5	0	ı	0	2	0	1	0	3	0	12
		Computer	Other	Gender-Neutral	17	1	5	0	7	1	3	0	12	1	47
202	4110	Science and Engineering	than Rajasthan	Female-only (including Supernumerary)	5	1	1	0	1	0	1	0	3	0	12
202	4111			Gender-Neutral	18	1	4	0	7	0	3	1	12	1	47

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		Electrical	Other	Female-only					l i			!		!	
		Engineering	than	(including	5	0	1	0	2	0	1	0	3	0	12
	Ling		Rajasthan	Supernumerary)											
		Electronics &	Other	Gender-Neutral	18	0	4	1	8	-0	3	-0	12	1	47
202	4114	Communication Engineering	than Rajasthan	Female-only (including Supernumerary)	4	1	1	0	1	0	1	0	3	0	11
			Other	Gender-Neutral	18	ı	4	I	6	1	2	-0	12	0	45
202	4125	Mechanical Engineering	than Rajasthan	Female-only (including Supernumerary)	5	0	1	0	1	0	1	0	4	0	12
		Metallurgical &	Other	Gender-Neutral	19	1	4	0	-6	0	3	0	13	0	46
202	4127	Materials Engineering	than Rajasthan	Female-only (including Supernumerary)	3	0	2	0	2	0	1	0	2	ı	11
				Total (A)	171	9	42	3	63	3	32	1	114	6	444

Legends			
Open	Open Seats	Open - PwD	Open - PwD Seats (Person With Disability)
EWS	Economically Weaker Section	EWS-PwD	EWS-PwD Seats (Person With Disability)
OBC-NCL	OBC-NCL Seats	OBC-NCL-PwD	OBC-NCL-PwD Seats (Person With Disability)
SC	SC Seats	SC - PwD	SC - PwD Seats (Person With Disability)
ST	ST Seats	ST - PwD	ST - PwD Seats (Person With Disability)

The intake/allocation of 20 seats for students from Foreign Nationals through Indian Council for Cultural Relations (ICCR) & Ministry of External Affairs in UG Programs for the session 2021-22

Branch	MEA (Education)	MEA (Welfare)	ICCR	Total
Architecture (5 years)	1	-	1	2
Civil Engineering (4 years)	3	2	-	5
Chemical Engineering (4 years)	-	1	-	1
Computer Science & Engineering	-	1	-	1
Electrical Engineering (4 years)	1	0	3	4
Electronics & Communication Engineering (4 years)	-	1	1	2
Mechanical Engineering (4 years)	3	1	-	4
TOTAL	8	6	5	19

The allocation of 55 seats for students from DASA Scheme in UG Programs in 2021-22

Branch/Duration	Approved Annual Intake
Architecture (5 years)	04
Civil Engineering (4 years)	07



Chemical Engineering (4 years)	03
Computer Science and Engineering (4 years)	10
Electrical Engineering (4 years)	07
Electronics & Communication Engineering (4 years)	11
Mechanical Engineering (4 years)	10
Metallurgical & Materials Engineering (4 years)	03
TOTAL	55

The allocation of 20 seats for students from Study in India in UG Programs in 2021-22

Branch/Duration	Approved Annual Intake
Chemical Engineering (4 years)	4
Civil Engineering (4 years)	4
Electrical Engineering (4 years)	4
Mechanical Engineering (4 years)	4
Metallurgical & Materials Engineering (4 years)	4
TOTAL	20

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(b) Postgraduate Programs

Statement showing the intake capacity (branch wise) for admission to Postgraduate Programs for the year 2021-22

S. No.	Program	OPEN	OPEN- PwD	EWS	EWS- PwD	sc	SC- PwD	ST	ST- PwD	OBC	OBC- PwD	Total	Sponsored	PT
1.	Urban Planning	10	1	3	0	4	0	2	0	7	0	27	5	6
2.	Civil Engineering (Disaster Assessment and Mitigation)	8	1	2	0	3	0	2	0	6	0	22	5	6
3.	Environmental Engineering	9	0	2	0	3	0	2	0	5	1	22	5	6
4.	Structural Engineering	8	0	2	0	3	0	1	0	5	1	20	5	6
5.	Transportation Engineering	8	0	2	0	3	0	1	1	5	0	20	5	6
6.	Water Resources Engineering	8	0	1	1	4	0	1	0	5	0	20	5	6
7.	Chemical Engineering	10	0	3	0	3	1	2	0	7	0	26	5	6
8.	Computer Science & Information Security	10	0	2	0	4	0	2	0	7	0	25	0	0
9.	Computer Science & Engineering	11	0	3	0	3	1	2	0	7	0	27	5	6
10.	Renewable Energy	10	1	3	0	4	0	2	0	7	0	27	5	6
11.	Earthquake Engineering	8	1	2	0	3	0	2	0	6	0	22	0	0
12.	Embedded Systems	10	0	2	0	3	1	2	0	7	0	25	0	0
13.	Electronics & Communication Engineering	10	1	3	0	4	0	2	0	7	0	27	5	6
14.	VLSI Design	10	0	2	1	3	0	2	0	6	1	25	5	6
15.	Wireless & Optical Communication	10	0	2	0	3	1	1	1	7	0	25	0	0
16.	Power Electronics & Drives	10	1	3	0	4	0	2	0	7	0	27	0	0
17.	Power Systems Management	10	1	2	1	4	0	2	0	7	0	27	5	6
18.	Power Systems	10	0	2	0	4	0	2	0	6	1	25	5	6



19.	Design Engineering	8	1	2	0	4	0	1	0	5	1	22	0	0
20.	Industrial Engineering	10	0	3	0	4	0	1	0	6	1	25	5	6
21.	Production Engineering	8	1	2	0	3	0	2	0	6	0	22	0	0
22.	Thermal Engineering	9	0	1	0	2	0	2	0	5	1	20	0	0
23.	Metallurgical & Materials Engineering	10	0	3	0	3	1	2	0	6	0	25	5	6
24.	Steel Technology	8	0	2	0	3	0	1	0	5	1	20	5	6
25.	Materials Science & Engineering	10	1	2	1	4	0	2	0	7	0	27	5	6
	Total	233	10	56	4	85	5	43	2	154	8	600	85	102

S. No.	Program	OPEN	овс	sc	ST	OPEN- PwD	OBC- PwD		ST- PwD	EWS	EWS- PWD	Total
1.	M.Sc. Physics	16	10	6	3	1	1	0	0	4	0	41
2.	M.Sc. Chemistry	16	10	6	3	0	1	1	0	4	0	41
3.	M.Sc. Mathematics	16	11	6	3	1	0	0	0	3	1	41
	Total	48	31	18	9	2	2	1	0	11	1	123

S. No.	Program	OPEN	овс	SC	ST	OPEN- PwD	OBC PwD	SC- PwD	ST- PwD	EWS	EWS- PwD	Total
1.	MBA	31	20	11	5	1	1	1	1	08	0	79
	Total	31	20	11	5	1	1	1	1	08	0	79



Intake of Foreign Nationals under the DASA Scheme in PG Programs in 2021-22

S. No.	Programs	Intake
1.	M. Planning in Urban Planning	2
2.	Chemical Engineering	2
3.	Computer Science & Engineering	2
4.	Electronics & Communication Engineering	2
5.	Industrial Engineering	2
6.	Metallurgical & Materials Engineering	2
7.	Power Systems	2
8.	Structural Engineering	2
9.	Thermal Engineering	2
10.	Transportation Engineering	2
11.	VLSI Design	2
12.	M.B.A.	5
	TOTAL	27

The allocation of 20 seats for students from the Study in India in PG Programs in 2021-22

Program	Approved Annual Intake
Chemical Engineering	4
Environmental Engineering	4
Structural Engineering	4
Transportation Engineering	4
Metallurgical & Materials Engineering	4
Total	20

The allocation of 26 seats for students from the Study in India in Ph.D. Programs in 2021-22

Department	Approved Annual Intake
Architecture and Planning	
Centre for Energy and Environment	
Chemical Engineering	26
Chemistry	
Civil Engineering	



Computer Science and Engineering	
Electrical Engineering	
Electronics and Communication Engineering	
Humanities and Social Science	
Management Studies	
Materials Research Center	
Mathematics	
Mechanical Engineering	
Metallurgical and Materials Engineering	
National Centre for Disaster Mitigation and Management	
Physics	

RESERVATION IN B.TECH/M. TECH./M.Sc./MBA PROGRAMS

(i) OBC
 (ii) Schedule Castes
 (iii) Schedule Tribes
 27% in every course
 15% in every course
 7.5% in every course

(iv) Physical Handicapped 5% in every course over & above. the sanctioned strength

(v) EWS 10% in every course

Duration of B. Tech./B.Arch.Programs

Academic Program	Normal Duration	Maximum Duration	
B. Tech.	8 Semesters	14 Semesters	
B.Arch.	10 Semesters	16 Semesters	

Duration of M. Tech./M.Plan.Programs

Normal Duration	Maximum Duration		
Full Time: 4 Semesters	6 Semesters		
Part Time: 6 Semesters	10 Semesters		

Duration of M. Sc./MBA Program

Normal Duration	Maximum Duration		
Full Time: 4 Semesters	6 Semesters		



2.8 EXAMINATION AND EVALUATION

Credits System

Education at the Institute is organized around the credit system of study. The prominent features of the credit system are the process of continuous evaluation of a student's performance, flexibility to allow a student to progress at an optimum pace suited to his/her ability or convenience subject to fulfilling the minimum requirement for continuation.

Each course has a certain number of credits, which describe its weightage. A student's performance is measured by the number of credits that he/she has completed satisfactorily. A minimum Grade Point Average is required to be maintained for a satisfactory process. Also, a minimum number of earned credits should be obtained in order to qualify for the degree.

Every course is co-ordinated by a member of the teaching staff of the department, which offers the course in a given semester. This faculty member is called the Course Co-ordinator. He has full responsibility for conducting the course, co-ordinating the work of the other members of the faculty involved in that course and holding tests and assignments and awarding grades. For any difficulty, a student is expected to approach the Course Co-ordinator for advice and clarification.

Grading System

The grades are being awarded as per the Table listed below:

Structure of grading of academic performance

AcademicPerformance	Grades	Grade Points
Outstanding	AA	10
Excellent	AB	9
Very Good	BB	8
Good	BC	7
Average	CC	6
Below Average	CD	5
Marginal	DD/D	4
Failed due to Poor Performance/Fail	FP	0
Failed due to Attendance Shortage/Fail	FA	0
Incomplete/Work in Progress	I/IW	-
Withdrawal	W	-
Waiver	WR	-
Satisfactory/unsatisfactory	S/X	-



The following abbreviations are also used against a subject, wherever required:

[REP]: for repeating a paper in which grade FP/FA was obtained earlier

[SUB]: for substituting an elective course by another elective course

[IMP]: for improving grade in a course

[GNI]: grade not included in the calculation of CGPA & SGPA

2.9 PLACEMENT

The Placement Cell has been active in arranging training and placement for students. This year more than 250 companies visited the Campus and selected 839 (565UG and 274 PG Courses) students. The highest and Average Packages offered by companies were Rs. 64 LPA and the average package of placed students (B.Tech) was 12.43 LPA.

The details are given in annexure 11.10.

2.10 GAMES AND SPORTS

Physical education & Sports is an important part of today's educational experience and physical activities are a part of this curriculum. An important characteristic of Physical education and Sports is its ability to draw upon a range of sciences to inform and advance in the fields of sports performance, exercise education, health and well-being through participation in various physical activities. Physical education, Yoga and Sports will continue to pursue a health and well-being mission for students, staff and their family members.

The vision "Fit MNIT Fit India" and excellence in Games and Sports has developed a confident understanding of issues of all-round development of qualities like personality, positive leadership, motivation, commitment, men management, cardio-respiratory development, general motor ability, quick decision-making ability, body sculpture, stress-free life, fitness & current global significance of Olympic Sports. Rejoicing success and accepting failure and learning from it is exactly what sports teach us and the mission of sports activities is to let future engineers feel the spirit of sportsmanship.

Students, staff and their family members are enjoying and using Institute's indoor & outdoor sports facilities. Physical Education and Sports have created and developed a positive and healthy sports culture in

the Institute. Sports have been allotted 04 credits in the B. Tech. (I-IVth semester) course curriculum (for Cultural & Sports), which is a unique example in the NIT system of India.

ACHIEVEMENTS IN GAMES & SPORTS

2.10.1 PARTICIPATION OF STUDENTS IN TOURNAMENTS AND RESULTS:

The Institute has a decent infrastructure for organizing both outdoor & indoor sports activities. The students participated in various events such as Volleyball, Badminton, Table Tennis, Basketball, Cricket, Kabaddi, Yoga and various athletic & gymnastic events. They won laurels in various inter-NIT tournaments held throughout the year 2021-22. The students have also participated in other important sports tournaments during the year 2021-22.



Achievement by Student in Sports (Reports)

S.No.	Tournaments	Game/Sports	Performance/Results
There w	as no extra moral participation due to	the COVID-19 pandem	ic lockdown.

Staff tournament and activities

S. No.	Name of the Tournaments	Name of the organizer	Organized on
1.	1. Online Chess tournament for	MNIT	25th May 2021
	MNIT		(Employees and their
			family members
			& students)
2.	7th International Day of Yoga at MNIT, Jaipur	MNIT	21st June 2021

2.10.2 Sports Activities organized by the Institute for the Students.

Institute is organizing many sports tournaments throughout the year for students and staff members. The following are some of the major Sports Tournaments worth mentioning:

S. No.	Name of the Tournaments	Remarks
	Online Chess tournament for MNIT	25th May 2021
1.		(Employees and their
		family members & students)
2.	Fitness Workshop for UG-1st Year Students	31st-5th June 2021 (Online)
3.	Fitness Workshop for UG- 2nd Year Students	7th -11th June 2021 (Online)
4.	Sports Competition (online) under Fit India Movement	19th June 2021 (stage 1)
5.	7th International Day of Yoga at MNIT, Jaipur	21st June 2021

2.11 STAFF POSITION

Sanctioned Faculty strength	473
Faculty in Position (Including Director)	273
Administrative Staff in position	24
Ministerial Staff in position	83
Technical staff in position	133
Supporting Staff	55



Faculty awards

Faculty members of the Institute won several awards and many prestigious organizations have recognized the contributions of the faculty and honoured them. The details are given in Chapter 11.8

2.12 Research & Development

Research and Development at MNIT Jaipur is one of the focal points to achieve its vision of developing cutting-edge technology to meet the current and future challenges of technological development. The rich experience and talents of the faculty, combined with their passion and dedication for research, development and consultancy in their respective areas have created excellent results. The focus on research is not limited to the faculty members in their laboratories at the Institute but is pervasive beyond it in classrooms and fields as reflected in its relevance and rigour in all academic programs of the Institute.

The Research and Development activities are supervised by the Research and Consultancy Cell at MNIT headed by the Dean, Research and Consultancy. The cell was established with the objective of fostering in the Institute an enabling environment, conducive to promoting and encouraging research, consultancy and other extension and professional activities among faculty and students. The Office of Dean, Research and Consultancy (ODRC) monitors all externally and internally funded and sponsored research, professional consultancy and development activities.

THRUST AREAS

The major thrust areas of Research, Development and Consultancy at MNIT Jaipur include:

- Nano-Technology and Material Science
- Disaster Management
- Energy Conservation
- Industrial pollution
- Composite material
- Internet Security
- Productivity
- Water De-Fluoridation
- Power Control Systems
- Smart Grid
- Photonic structures
- Polymer membrane
- Nitronic steel
- Bio-fuels
- Green buildings



3. THE STAFF

3.1 Academic Staff (Teaching - As on 31.03.2022)

Designation	Name	Qualification
Director	Prof. N.P. Padhy	Ph.D.

DEPARTMENT OF ARCHITECTURE AND PLANNING

Designation	Name		Qualification
Professor	1.	Shri Alok Ranjan	B.Arch., M.U.R.P. (Hons.)
	2.	Shri Rajeev Shringi	B.Arch., M.Plng. (Urban Planning)
	3.	Dr. Tarush Chandra	B. Arch., P.G. Dip. Ping. (Urban &
			Regional Plan), Ph.D.
Associate Professor	1.	Dr. Rina Surana	B.Arch., M.Arch. (Urban Design), Ph.D.
	2.	Shri R.N. Sharma	B.Arch., M.U.P., M.Plan
	3.	Mrs. Kalpana Pandit	B.Arch., M.U.P., M.Plan
	4.	Mrs. Meenu Varshney	B.Arch.
	5.	Dr. Satish Pipralia	B.Arch., MURP, Ph.D.
	6.	Dr. Nand Kumar	B.Arch., M.Arch., Ph.D.
Assistant Professor	1.	Mr. Nischal Jain	B.Arch., M.Des.
	2.	Dr. Pooja Nigam	B.Arch., M.Plan., Ph.D.
	3.	Dr. Niruti Gupta	B.Arch., M.Plan, Ph.D.
	4.	Dr. Ashwani Kumar	B.Arch., M.Plan, Ph.D.
	5.	Dr. Gireendra Kumar	B.Arch., Ph.D.
	6.	Dr. Bhavna Shrivastava	B.Arch., M.Plan, Ph.D.
	7.	Dr. Yash Kumar Mittal	B.Arch., M. Plan, Ph.D.
	8.	Mr. Sangeeth Sudarsanan Pillai	B.Arch., M.Arch.
	9.	Mr. Himanshu Yogi	B.Arch., M.Arch.
	10.	Mrs. Sunita M Doddamani	B.Arch., M.Arch.
	11.	Mr. Saurabh Kishore Ojha	B.Arch., M.Arch.

DEPARTMENT OF CHEMICAL ENGINEERING

Designation Name			Qualification
Professor HAG	1.	Dr S.P. Chaurasia	B.Tech., M.Tech., Ph.D.
Professor	1.	Dr. Alok Gupta	B.Tech., M.Tech., Ph.D.



	2.	Dr. R.K. Vyas	B.E., M.E., Ph.D.
	3.	Dr. S.K. Jana	B.Tech., M.Tech., Ph.D.
	4.	Dr.Suja George	B.Tech., M.Tech., Ph.D.
	5.	Dr. Kailash Singh	B.E., M.Tech., Ph.D.
Associate Professor	1.	Dr. Prabhat Pandit	B.Tech., M.Tech., Ph.D.
	2.	Dr. Manish Vashishtha	B.E., M.Tech., Ph.D.
	3.	Dr. Madhu Agarwal	B.Tech., M.Tech., Ph.D.
	4.	Dr. Sushant Upadhyay	B.Tech., M.Tech., Ph.D.
	5.	Dr. Rajeev Kumar Dohare	B.Tech., M.Tech., Ph.D.
	6.	Dr. Vikas Kumar Sangal	B.Tech., M.Tech., Ph.D.
Assistant Professor	1.	Dr. Shiv Om Meena	B.E., M.Tech., Ph.D.
	2.	Dr. U.K.Arun Kumar	B.E., M.E., Ph.D.
	3.	Dr. Virendra Kumar Saharan	B.E., M.Tech., Ph.D.
	4.	Dr. Subbaramaiah V.	B.Tech., M.Tech., Ph.D.
	5.	Dr. Dipaloy Datta	B.E., M.E., Ph.D.
	6.	Dr. Neetu Kumari	B.Tech., M.Tech., Ph.D.
	7.	Dr. Md. Oayes Midda	B.Tech., M.Tech., Ph.D.
	8.	Dr. Rohidas Gangaram Bhoi	B.E., Ph.D.
	9.	Dr. Sonal	B.Tech., M.Tech., Ph.D.
	10.	Dr. Lovjeet Singh	B.Tech., M.Tech., Ph.D.
	11.	Dr. Vijayalakshmi Gosu	B.Tech., M.Tech., Ph.D.
	12.	Dr. Surajit Ghosh	B.Tech., M.E., Ph.D.
	13.	Dr. Hrushikesh Mandhusudan Gade	B. E., M.E., Ph.D.

DEPARTMENT OF CIVIL ENGINEERING

Designation	Name		Qualification
Professor HAG	1.	Dr. A.B. Gupta	B.E., M.Tech., Ph.D.
	2.	Dr. Y.P. Mathur	B.E., M.E., Ph.D.
	3.	Dr. Rohit Goyal	B.E., M.E., Ph.D.
	4.	Dr. Sudhir Kumar	B.E., M.E., Ph.D.
	5.	Dr. Ravindra Nagar	B.E., M.Tech., Ph.D.
	6.	Dr. B.L. Swami	A.M.I.E., M.E., Ph.D.
	7.	Dr. Gunwant Sharma	B.E., M.Tech., Ph.D.
	8.	Dr. R.C. Gupta	B.E., M.E., Ph.D.
	9.	Dr. M.K. Shrimali	B.E., M. Tech., Ph.D.
Professor	1.	Dr. A.K. Vyas	B.E., M.E., Ph.D.
	2.	Dr. Urmila Brighu	B.E., M.Tech., Ph.D.
	3.	Dr. Sanjay Mathur	B.E., M.E., Ph.D.



	4.	Dr. S.K. Tiwari	B.E., M.Tech., Ph.D.
	5.	Dr. S.D. Bharti	B.E., M.Tech., Ph.D.
	6.	Dr. Mahesh Kumar Jat	B.E., M.E., Ph.D.
	7.	Dr. Mahender Choudhary	B.E., M. E., Ph.D.
	8.	Dr. Ajay Singh Jethoo	B.E., M.E., Ph.D.
Associate Professor	1.	Dr. J.K. Jain	B.E., M.E., Ph.D.
	2.	Dr. Rajesh Gupta	B.E., M.E., Ph.D.
	3.	Dr. Nivedita Kaul	B.E., M.E., Ph.D.
	4.	Dr. Pawan Kalla	B.E., M.E., Ph.D.
	5.	Dr. Arun Gaur	B.E., M.E., Ph.D.
	6.	Dr. Sumit Khandelwal	B.E., M.E., Ph.D.
	7.	Dr. Vinay Agrawal	B.E., M.E., Ph.D.
Assistant Professor	1.	Dr. Pandit Venkata Ramana	B.Tech., M.Tech., Ph.D.
	2.	Dr. Sandeep Shrivastava	B.Tech., M.Tech., Ph.D.
	3.	Dr. Sanyam Dangayach	B.Tech., M.Sc., Ph.D.
	4.	Dr. Neha Shrivastava	B. Tech., M.Tech., Ph.D.
	5.	Dr. Amit Kumar	B.E., MSE, M.Tech., Ph.D.
	6.	Dr. Siddharth Mehndiratta	B.E., M.Tech., Ph.D.
	7.	Dr. Anoop Iranna Shirkol	B.E., M.Tech., Ph.D.
	8.	Dr. Himanshu Arora	B.E., M.Tech., Ph.D.
	9.	Dr. Rameshwar Jagannath	B.E., M.Tech., Ph.D.
		Vishwakarma	
	10.	Dr. Manoj Kumar Diwakar	B.E., M.Tech., Ph.D.
	11.	Dr. Dhiraj Raj	B.E., M.Tech., Ph.D.
	12.	Dr. Ruchi Sharma	B. Tech., M.Tech., Ph.D.

DEPARTMENT OF COMPUTER ENGINEERING

Designation	Name		Qualification
Professor HAG	1.	Dr. M.S. Gaur	B.E., M.E., Ph.D.
		(On deputation at IIT Jammu)	
	2.	Dr. M.C. Govil	B.E., M.Tech., Ph.D.
		(On deputation at NIT Sikkim)	
Professor	1.	Dr. Vijay Laxmi	B.E., M.Tech., Ph.D.
	2.	Dr.Girdhari Singh	B.E., M.S. (Software), Ph.D.
Associate Professor	1.	Dr. Neeta Nain	M.C.A., Ph.D.
	2.	Dr. Namita Mittal	M.C.A., Ph.D.
	3.	Dr. Dinesh Gopalani	B.E., M.Tech., Ph.D.



	4.	Dr. Mushtaq Ahmed	B.E, Ph.D.
	5.	Dr. Meenakshi Tripathi	M.Tech, Ph.D.
	6.	Dr. Yogesh Kumar Meena	M.Tech, Ph.D.
	7.	Dr. Pilli Emmanuel Shubhankar	B.E., M.Tech., Ph.D.
Assistant Professor	1.	Dr. Ramesh Babu Battula	M.Tech., Ph.D.
	2.	Dr. Arka Prokash Mazumdar	B.E., M.Tech., Ph.D.
	3.	Dr. Dinesh Kumar Tyagi	B.E., M.Tech., Ph.D.
	4.	Dr. Santosh Kumar Vipparthi (Onlien)	B.E., M.Tech., Ph.D.
	5.	Dr. Jyoti Grover	B.E., M.Tech., Ph.D.
	6.	Dr. Satyandra Singh Chouhan	B.E., M.Tech., Ph.D.
	7.	Dr. Mahipal Prithvisinh Jadeja	B.E., Ph.D.
	8.	Dr. Ashish Kumar Tripathi	B.Tech., M.Tech., Ph.D.
	9.	Dr. Lavika Goel	B.Tech., M.E., Ph.D.
	10.	Dr. Smita Naval	B.E., M.Tech., Ph.D.
	11.	Dr. Deepak Ranjan Nayak	B.Tech., M.Tech., Ph.D.

DEPARTMENT OF ELECTRICAL ENGINEERING

Designation	Name		Qualification
Professor HAG	1.	Dr. K.R. Niazi	B.E., M.E., Ph.D.
	2.	Dr. Manoj Fozdar	B.Sc.(Engg.), M.Sc. (Engg.), Ph.D.
Professor	1.	Dr. Vikas Gupta	B.E., M.E., Ph.D.
	2.	Dr. Harpal Tiwari	B.E., M.E., Ph.D.
	3.	Dr. Rajesh Kumar	B.E., M.E., Ph.D.
	4.	Dr. Rajive Tiwari	B.E., M.E., Ph.D.
Associate Professor	1.	Shri A.K. Agarwal	B.E., M.Tech.
	2.	Mrs. Nikita Jhajharia	B.E., M.E.
	3.	Shri V.S. Pareek	B.E., M.E.
	4.	Dr. P.K. Agarwal	B.E., M.E., Ph.D.
	5.	Dr. Anil Swarnkar	B.E., M.Tech., Ph.D.
	6.	Dr. Prerna Jain	B.E., M.E., Ph.D.
	7.	Dr. Dipti Saxena	B. Tech., M.Tech., Ph.D.
	8.	Dr. Rohit Bhakar	B.E., M.E., Ph.D.
	9.	Dr. Kusum Verma	B.E., M.Tech., Ph.D.



	10.	Dr. Nikhil Gupta	B.E., M.Tech., Ph.D.
Assistant Professor	1.	Dr. Mukesh Kumar Shah	B.E., M.Tech., Ph.D.
	2.	Dr. Nitin Gupta	B.E., M.Tech., Ph.D.
	3.	Dr. Hemant Kumar Meena	B.Tech., M.Tech., Ph.D.
	4.	Dr. Neeli Satyanarayana	B.Tech., M.E., Ph.D.
	5.	Dr. Arun Kumar Verma	B.E., M.Tech., Ph.D.
	6.	Dr. Akhilesh Mathur	B.E., M.Tech., Ph.D.
	7.	Dr. Vinay Pratap Singh	B.Tech., M.E., Ph.D.
	8.	Dr. Satish Sharma	B.E., M.Tech., Ph.D.
	9.	Dr. Sandeep N	B.E., M.Tech., Ph.D.
	10.	Dr. Kapil Shukla	B.Tech., M.Tech., Ph.D.
	11.	Dr. Ravita Lamba	B.Tech., M.Tech., Ph.D.
	12.	Dr. Saravana Prakash P	B.Tech., M.Tech., Ph.D.
	13.	Dr. Man Mohan Garg	B.E., M.Tech., Ph.D.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Designation	Name		Qualification
Professor HAG	1.	Dr. R.P. Yadav	M.Sc., M.Tech., Ph.D.
	2.	Dr. Vineet Sahula	B.E., M.Tech., Ph.D.
	3.	Dr. K.K. Sharma	B.E., M.E., Ph.D.
Professor	1.	Dr. D. Boolchandani	B.E., M.Tech., Ph.D.
	2.	Dr.Mohd. Salim	B.E., M.Tech., Ph.D.
	3.	Dr. M. M. Sharma	B.E., M.Tech., Ph.D.
	4.	Dr. Lava Bhargava	B.E., M.E., Ph.D.
	5.	Dr. Vijay Janyani	B.E., M.E., Ph.D.
	6.	Dr. Ghanshyam Singh	B.E., M.Tech., Ph.D.
Associate Professor	1.	Mr. Sanjeev Agrawal	B.E., M.Tech.
	2.	Mr. Rakesh Bairathi	B.E., M.Tech.
	3.	Dr. TarunVarma	B.E., M.E., Ph.D.
	4.	Dr. Ritu Sharma	B.E., M.Tech., Ph.D.
Assistant Professor	1.	Dr. C.Periasawmy	B.E., M.Tech., Ph.D.



2.	Dr. Amit Mahesh Joshi	B.E., M.Tech., Ph.D.
3.	Dr. Ravi Kumar Maddila	B.E., M.Tech., Ph.D.
4.	Dr. Satya Sai Jaganath Nanda	B.E., M.Tech., Ph.D.
5.	Dr. ChitrakantSahu	B.E., M.Tech., Ph.D.
6.	Dr. Sarthak Singhal	B.E., M.Tech., Ph.D.
7.	Dr. Rajendra Mitharwal	B.E., M.Tech., Ph.D.
8.	Dr. Kuldeep Singh	B.E., M.Tech., Ph.D.
9.	Dr. Menka	B.E., M.Tech., Ph.D.
10.	Dr. Deepak Bharti	B.E., M.Tech., Ph.D.
11.	Dr. IlA Sharma	B.E., M.Tech., Ph.D.
12.	Dr. Bharat Choudhary	B.Tech., M.Tech., Ph.D.
13.	Dr. Rajesh Saha	B.E., M.Tech., Ph.D.

DEPARTMENT OF MECHANICAL ENGINEERING

Designation		Name	Qualification
Professor HAG	1.	Dr. A.P.S. Rathore	B.E., M.B.A., Ph.D.
	2.	Dr. Rakesh Jain	BE., P.G.D.I.E., Ph.D.
	3.	Dr. M.P. Poonia (on deputation at	B.E., M.E., Ph.D.
		AICTE, NewDelhi)	
	4.	Dr. G. S. Dangayach	B.E., M.Tech., Ph.D.
	5.	Dr. Jyotirmay Mathur	B.E., M. Tech., Ph.D.
	6.	Dr. Dilip Sharma	B.E., M.E. Ph.D.
Professor	1.	Dr. G.D. Agarwal	B.E., M.Tech. Ph.D.
	2.	Dr. M.L. Mittal	B.E., M.E., Ph.D.
	3.	Dr. Himanshu Chaudhary	M.Tech., Ph.D.
	4.	Dr. Nirupam Rohatgi	B.E., M.E., Ph.D.
	5.	Dr.T.C. Gupta	A.M.I.E., M.Tech., Ph.D.
Associate Professor	1.	Mr. Amit Pancharya	B.E., M.Tech.
	2.	Dr. Makkhan Lal Meena	M.Tech., Ph.D.
	3.	Dr. Harlal Singh Mali	B.E., M.Tech., Ph.D.
	4.	Dr. Amar Patnaik	B.E., M.Tech., Ph.D.
	5.	Dr. Jinesh Kumar Jain	B.E., M.Tech., Ph.D.
	6.	Dr. Rajeev Agrawal	B.E., M.Tech., Ph.D.
	7.	Dr. Dinesh Kumar	B.E., M.Tech., Ph.D.



Assistant Professor	1.	Dr. Mukesh Kumar	B.Tech., M.Tech., Ph.D.
	2.	Dr. Anoj Meena	B.E., M.Tech., Ph.D.
	3.	Dr. Gunjan Soni	B.E., M.Tech., Ph.D.
	4.	Dr. Amit Kumar Singh	B.Tech., M.Tech., Ph.D.
	5.	Dr. Anup Malik	B.Tech., M.E., Ph.D.
	6.	Dr. Tapas Bajpai	B.E., M.E., Ph.D.
	7.	Dr. Pankaj Kumar Gupta	B.E., M.E., Ph.D.
	8.	Dr. Ram Dayal	B.E., M.Tech., Ph.D.
	9.	Dr. Manish Kumar	B.E., Ph.D.
	10.	Dr. Amit Arora	B.Tech., M.Tech., Ph.D.
	11.	Dr. Naresh Kumar Raghuwanshi	B.E., M.Tech., Ph.D.
	12.	Dr. Gulab Pamnani	B.E., M.Tech., Ph.D.
	13.	Dr. Manjinder Singh	M.Tech., Ph.D.
	14.	Dr. Nikhil Sharma	B.Tech., M.Tech., Ph.D.

DEPARTMENT OF METALLURGICAL AND MATERIAL ENGINEERING

Designation	Name		Qualification
Professor HAG	1.	Dr. UpendraPandel	B.E., M.E., Ph.D.
Professor	1.	Dr. Rajendra Kumar Goyal	B.E., Ph.D.
Assistant Professor	1.	Dr. Ajaya Kumar Pradhan	B.E., M.Tech., Ph.D.
	2.	Dr. Vijay NavaratnaNadakuduru	B.E., M.Tech., Ph.D.
	3.	Dr. Krishna Kumar	B.Tech., M.Tech., Ph.D.
	4.	Dr. Sreekumar Vadakke Madam	B.Tech., M.Tech., Ph.D.
	5.	Dr. Jyotirmaya Kar	B.Tech., M.Tech., Ph.D.
	6.	Dr. Swati Sharma	B.E., M.Tech., Ph.D.
	7.	Dr. Kunal JayprakashBorse	B.Tech., M.Tech., Ph.D.
	8.	Dr. Brij Mohan Mundotiya	B.Tech., M.E., Ph.D.
	9.	Dr. Rajesh Kumar Rai	B.Tech., M.E., Ph.D.
	10.	Dr. Manjesh Kumar Mishra	B.Tech., M.Tech., Ph.D.
	11.	Dr. Abhishek Tripathi	B.Tech., Ph.D.
	12.	Dr. Randhir Kumar Singh	B.Tech., M.Tech., Ph.D.



DEPARTMENT OF CHEMISTRY

Designation	Name		Qualification
Professor	1.	Dr. Jyoti Joshi	M.Sc., Ph.D.
	2.	Dr. Ragini Gupta	M.Sc., Ph.D.
Assistant Professor	1.	Dr. Mukesh Jain	M.Sc., Ph.D.
	2.	Dr. Raj Kumar Joshi	B.Sc., M.Sc., Ph.D.
	3.	Dr. Sandeep Choudhary (On lien)	B.Sc., M.Sc., Ph.D.
	4.	Dr. Sumanta Kumar Meher	M.Sc., M.Phill, Ph.D.
	5.	Dr. Sumit Kumar Sonkar	M.Sc., Ph.D.
	6.	Dr. Pradeep Kumar	B.Sc., M.Sc., Ph.D.
	7.	Dr. BimanBandhopadhyay	B.Sc. (Hons.), M.Sc., Ph.D.
	8.	Dr. SudhirKashyap	B.Sc., M.Sc., Ph.D.
	9.	Dr. Abbas Raja Naziruddin	B.Sc., M.Sc., Ph.D.
	10.	Dr. Manviri Rani	M.Sc., Ph.D.
	11.	Dr. MeenaNemiwal	B.Sc., M.Sc., Ph.D.
	12.	Dr. Pawan Rekha	B.Sc., M.Sc., M. Phill, Ph.D.
	13.	Dr. Barun Jana	B.Sc., M.Sc., Ph.D.

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

Designation	Name		Qualification
Professor	1.	Dr. V.S. Shekhawat	M.A., M.Phil., Ph.D.
	2.	Dr. Nupur Tandon	M.A., Ph.D.
	3.	Dr. Manju Singh	B.A., M.A., Ph.D.
Associate Professor	1.	Mrs. Nanny Tripathi	M.A., M.Phil.
	2.	Dr. Dipti Sharma	B.A., M.A., Ph.D.
	3.	Dr. Preeti Bhatt	B.Sc., M.A., Ph.D.
Assistant Professor	1.	Dr. Niraja Saraswat	B.A., M.A., M.Phil., Ph.D.
	2.	Dr. Nidhi Bansal	B.A., M.A., M.Phil., Ph.D.
	3.	Dr. Nidhi Sharma	B.A., M.A., Ph.D.

DEPARTMENT OF MATHEMATICS

Designation	Name		Qualification
Associate Professor	1.	Dr. Vatsala Mathur	M.Sc., Ph.D.
	2.	Dr. R.C. Soni	M.Sc., M.Phil, Ph.D.
	3.	Dr. SantoshChoudhary	M.Sc., M.Phil, B.Sc., Ph.D.



Assistant Professor	1.	Dr. Sanjay Bhatter	M.Sc., Ph.D.
	2.	Dr. Ritu Agarwal	B.Sc., M.Sc., M.Phil., Ph.D.
	3.	Dr. Varun Jindal	B.Sc., M.Sc., Ph.D.
	4.	Dr. Kushal Sharma	B.Sc., M.Sc., Ph.D.
	5.	Dr. Palpandi K.	B.Sc., M.Sc., Ph.D.
	6.	Dr. Om P. Suthar	B.Sc., M.Sc., Ph.D.
	7.	Dr. Anubha Jindal	B.A., M.Sc., Ph.D.
	8.	Dr. Geetanjali Chattopadhay	B.Sc., M.Sc., Ph.D.
	9.	Dr. Priyanka Harjule	B.Sc., M.Sc., Ph.D.

DEPARTMENT OF PHYSICS

Designation	Name		Qualification
Professor	1.	Dr. K. Sachdev	M.Sc., Ph.D.
Assistant Professor	1.	Dr. K.VenkatratanamKamma	B.Sc., M.Sc., Ph.D.
	2.	Dr. Srinivasa Rao Nelamarri	B.Sc., M.Sc., Ph.D.
	3.	Dr. Rahul Singhal	B.Sc., M.Sc., Ph.D.
	4.	Dr. Subhayan Mandal	B.Sc., M.Sc., Ph.D.
	5.	Dr. Kamlendra Awasthi	B.Sc., M.Sc., M.Phil., Ph.D.
	6.	Dr. Kavita Lalwani	B.Sc., M.Sc., M.Phil., Ph.D.
	7.	Dr. Manoj Kumar	B.Sc., M. Sc., M. Phil., Ph.D.
	8.	Dr. Akhilesh Nautiyal	B.Sc., M.Sc., Ph.D.
	9.	Dr. Anirban Dutta	B.Sc., M.Sc., Ph.D.
	10.	Dr. Rajnish Dhiman	B.Sc., M.Sc., Ph.D.
	11.	Dr. Debasish Sarkar	B.Sc., M.Sc., Ph.D.
	12.	Dr. Kamakshi Pandey	B.Sc., M.Sc., Ph.D.
	13.	Dr. Aneesh Ahmed	B.Sc., M.Sc., Ph.D.

DEPARTMENT OF MANAGEMENT STUDIES

Designation	Name		Qualification
Associate Professor 1.		Dr. Monica Sharma	BE, MBA, Ph.D.
	2.	Dr. Satish Kumar	B.Com, MBA, Ph.D.
Assistant Professor 1. Dr. Deepak Verma		Dr. Deepak Verma	MBA, Ph.D.
	2.	Dr. Divesh Kumar	B.Sc., MBA, Ph.D.
	3.	Dr. Reeta Singh	B.Sc., MBA, Ph.D.
	4.	Dr. Priyanka Sihag	B.Sc., M.Sc., MBA, Ph.D.
	5.	Dr. Aakanksha Kataria	BBA, MBA, Ph.D.



6.	Dr. Shweta Sharma	B. A., M.A., MBA, Ph.D.
7.	Dr. Ritika Mahajan	BBA, MBA, Ph.D.
8.	Dr. Shridev	BBA, M.Com., MBA, Ph.D.

CENTRE FOR ENERGY & ENVIRONMENT

Designation	Name		Qualification
Assistant Professor	1.	Dr. Vivekanand	B.Sc., M.Sc, Ph.D.
	2.	Dr. Amartya Chowdhary	B.Sc., M.Sc, Ph.D.
	3.	Dr. Kapil Pareek	B.Sc., M.Sc, M.Tech., Ph.D.
	4.	Dr. Sunanda Sinha	B.Tech., M.Tech., Ph.D.
	5.	Dr. Aneesh Prabhakar	B.Tech., M.Tech., Ph.D.
	6.	Dr. ParulMathuria	B.Tech., M.Tech., Ph.D.

MATERIALS RESEARCH CENTRE

Designation	Name		Qualification
Assistant Professor	1. Dr. Bhagwati Sharma		B.Sc., M.Sc, Ph.D.
	2.	Dr. Nisha Verma	B.Sc., M.Sc, Ph.D.

3.2 Non-Academic Staff (Non-Teaching as on 31.03.2022)

ADMINISTRATIVE & OTHER STAFF

(a) Chief Academic & Executive Officer

S.No.	Designation	Name	Qualification
1.	Director	Prof. N.P. Padhy	Ph.D.

(b) Administrative Staff

S.No.	Designation	Name		Qualification
1.	Registrar			
2.	Dy. Registrar	1	Mr. Raj Kumar Manjhiwhal	M.Com.
] I.	(on Deputation IIT Jammu)	
		2.	Dr. Reetu Singh	Ph.D.
		3.	Shri Bhurendra Singh	B.A., L.L.B.
		4.	Dr. Suman Rathore	M.A., Ph.D.
		5.	Shri Deepak Maheshwari	M.Com.



				प्राचािका है।
3.	Assistant Registrar	1.	Shri Birbal Singh	M.Com., L.L.B.
		2.	Shri Rajkumar Dubey	M.Com, L.L.B.
		3.	Shri Anil Mathur	M.Com.
		4.	Shri Ravi R. Lakhani	CA,M.Com.
		5.	Shri Gajanan V. Devkate	B.Tech., MBA (HR)
		6.	Shri Manish Yadav	MBA
		7.	Shri Ramesh Jat	M. Tech.
		8.	Shri Tapas Gupta	M.Com.
		9.	Shri Kushagra Chaturvedi	M.A.
		10.	Surya Prakash Sonwani	M.A.
4.	Executive Engineer	-		-
5.	Librarian	Dr.	Rishi Kumar Tiwari	Ph.D., M.LI.Sc.
6.	Deputy Librarian	-		-
7.	Assistant Librarian	1.	Shri Navdeep Redhu	M.Sc., M.LI.Sc.,
				PGDCA, UGC-NET
		2.	Shri Sachin Katagi	M.LI.Sc., UGC-NET
8.	Medical Officer	-	•	-
9.	Senior SAS Officer	-		-
10.	SAS Officer	Dr.	Virendra Singh	Ph.D.
11.	Senior Scientific	Dr.	Sanjay Rajpal	M.C.A., Ph.D.
	/Technical Officer			
12.	Scientific /Technical	1.	Shri Mohtashim Reza	B.Tech
	Officer	2.	Shri Chetanya Prakash	M.S.C
		3.	Shri Parmeshwar Jhanwar	M.C.A.
		4.	Shri Javeen Kumar Jain	Diploma in Industries Electronics
				_

3.3 STATEMENT SHOWING THE STAFF POSITION

(a) Academic Staff

S.No.	Designation	Sanctioned	In position
		Strength	(On 31.3.2022)
1.	Director	1	1
2.	Professor	68	64
3.	Associate Professor	135	55
4.	Assistant Professor	270	153
5.	Sports Officer	-	1



(b) Non-Teaching Staff

S. No.	Name of Cadre	Total sanctioned posts	Officers/ officials structured in the cadre
A.	Officers	47	24
	(10 per cent of faculty strength)		
1.	Registrar	1	-
2.	Deputy Registrar	6	5
3.	Assistant Registrar	16	10
4.	Executive Engineer	2	-
5.	Librarian	1	1
6.	Deputy Librarian	1	-
7.	Assistant Librarian	3	2
8.	Medical Officer	5	-
9.	Senior Student Activity and Sports (SAS) Officer	1	-
10.	Student Activity and Sports (SAS) Officer	2	1
11.	Senior Scientific/ Technical Officer	1	1
12.	Scientific/ Technical Officer	8	4
B.	Technical Higher	141	46
	(30 per cent of faculty strength)		
1.	Technical Assistant / Library and Information	57	0
	Assistant / Junior Engineer		
2.	Senior Technical Assistant / Library and	42	17
	Information Assistant / Assistant Engineer		
3.	Technical Assistant / Library and Information	28	23
	Assistant / Assistant Engineer (Selection GradeII)		
4.	Technical Assistant / Library and Information	14	6
	Assistant / Assistant Engineer (Selection GradeI)		
C.	Technical Lower	142	87
	(30 per cent of faculty strength)		

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			Jo Hot
1.	Technician / Work Assistant	57	36
2.	Senior Technician / Work Assistant	43	45
3.	Technician / Work Assistant (Selection Grade – II)	28	1
4.	Technician / Work Assistant (Selection Grade –I)	14	5
D.	Ministerial Higher	38	24
	(08 per cent of faculty strength)		
1.	Superintendent	17	9
2.	Senior Superintendent	11	9
3.	Superintendent (Selection Grade – II)	06	6
4.	Superintendent (Selection Grade – I)	04	00
E.	Ministerial Lower	81	59
	(17 per cent of faculty strength)		
1.	Junior Assistant	33	27
2.	Stenographer / Senior Assistant	24	22
3.	Senior Stenographer / Assistant (Selection Grade-II)	16	8
4.	Stenographer (Selection Grade – II) / Assistant	08	1
	(Selection Grade – I)		
5.	Stenographer (Selection Grade – I)		1
F.	Supporting Staff	71	55
	(15 per cent of faculty strength)		
1.	Attendant /Caretaker / Mali	29	21
2.	Senior Attendant /Caretaker / Mali	21	12
3.	Attendant /Caretaker / Mali (Selection Grade – II)	14	6
4.	Attendant /Caretaker / Mali (Selection Grade – I)	07	16
	GRAND TOTAL		
	(110 per cent of faculty strength)		

3.4 WORKING HOURS

The Institute during the year under report observed the following working hours:

1.	Academic Departments	8.00 a.m. to 5.00 p.m. Monday to Friday
2.	For employees working in the	9:30 a.m. to 6:00 p.m. Monday to Friday
	Administrative Block	
3.	Hostels	Round the clock (shift-wise)
4.	Estate Department	8.00 a.m. to 5.00 p.m. on all the days of the week and on
		Sunday, a few members of the staff are called on duty to attend
		emergency services.
5.	Library	Shift-wise



4. TEACHING PROGRAMS

4.1 COURSES OFFERED

The Institute offers courses of study leading to a Degree UG Full-Time and PG Full-Time/Part-Time Program as under:

Degree	Department	Specialization
Bachelor of	Civil Engineering	Civil Engineering
Technology	2. Chemical Engineering	2. Chemical Engineering
	3. Computer Science & Engineering	3. Computer Science & Engineering
	4. Electrical Engineering	4. Electrical Engineering
	5. Electronics & Communication	5. Electronics & Communication
	Engineering	Engineering
	6. Mechanical Engineering	6. Mechanical Engineering
	7. Metallurgical & Materials	7. Metallurgical & Materials Engineering
	Engineering	
Bachelor of	Architecture & Planning	1. Architecture
Architecture	1. Architecture & Planning	1. Architecture
Master of	1. Physics	1. Physics
Science	2. Chemistry	2. Chemistry
	3. Mathematics	3. Mathematics
Master of	1. Civil Engineering	Water Resources Engineering
Technology		2. Environmental Engineering
		3. Structural Engineering
		4. Transportation Engineering
		5. Civil Engineering (Disaster
		Assessment and Mitigation)
	Chemical Engineering	Chemical Engineering
	1. Computer Science & Engineering	Computer Science & Engineering
		2. Computer Science & Information
		Security
	1. Centre for Energy & Environment	1. Renewable Energy
	Electrical Engineering	1. Power Systems
		2. Power Electronics & Drives
		3. Power Systems Management



1. Electronics & Communication	Electronics & Communication
Engineering	Engineering
	2. VLSI Design
	3. Embedded Systems
	4. Wireless & Optical Communication
 Mechanical Engineering 	Industrial Engineering
	2. Production Engineering
	3. Design Engineering
	4. Thermal Engineering
Metallurgical & Materials	Metallurgical & Materials
Engineering	Engineering
	2. Steel Technology
Material Research Centre	1. Materials Science & Engineering
National Centre for Disaster	Earthquake Engineering
Mitigation & Management	
1. Architecture & Planning	1. Urban Planning
1. Management Studies	Master of Business Administration
	1. Metallurgical & Materials Engineering 1. Metallurgical & Materials Engineering 1. Material Research Centre 1. National Centre for Disaster Mitigation & Management 1. Architecture & Planning

The medium of instruction and examinations is English.

Course-wise students registered in Undergraduate Program (as per category-wise student enrolled) during 2021-2122

Program	Branch	5 th Year 2017 & Back onwards	4 th Year 2018	3 rd Year 2019	2 nd Year 2020	1 st Year 2021	Total
B.Arch.	Architecture	54+3	59	69	74	78	337
	Chemical Engineering	3	89	110	110	115	427
	Civil Engineering	4	94	110	115	114	437
	Computer Science & Engineering	6	103	120	127	128	484
	Electrical Engineering	5	96	114	117	117	449



	Electronics &						
	Communication	2	97	120	120	120	459
B.Tech.	Engineering						
	Mechanical	3	110	116	117	115	461
	Engineering	3	110	110	117	113	401
	Metallurgical &	2	85	100	107	114	408
	Materials Engineering		65	100	107	114	700
	Total	82	733	859	887	901	3462

Category (as per candidate category) & gender wise summary of registered Undergraduatestudents during 2021

E	WS	Ger	neral	SC		S	T	Ol	ВС	To	tal	Grand
Male	Female	Total (Male+Female)										
215	58	1126	352	401	118	184	70	750	188	2676	786	3462

Category (as per admitted category) & gender-wise summary of registered Undergraduate students during 2021-22

EV	WS	Gen	eral	S	C	S	ST		BC	Total		Grand
Male	Female	Male	Female	Total								
												(Male+Female)
344	66	947	330	402	118	186	71	797	201	2676	786	3462

Course-wise students registered in postgraduate Program (as per category-wise student enrolled) during 2021-22

S. No.	Риодиот	1st Year	2nd Year	3 rd Year	Back	Total	
S. NO.	Program	2021	2020	2019	Dack	Total	
1.	Urban Planning	27	23	2	0	52	
2.	Renewable Energy	26	21	0	0	47	
3.	Chemical Engineering	16	6	1	0	23	
4.	Civil Engineering (Disaster Assessment	13	14	0	0	27	
٦.	and Mitigation)	13	1.4	U		21	
5.	Earthquake Engineering	14	17	0	0	31	

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6.	Environmental Engineering	22	18	1	0	41
7.	Structural Engineering	25	18	1	0	44
8.	Transportation Engineering	26	23	5	0	54
9.	Water Resources Engineering	20	16	0	0	36
10.	Computer Engineering/ Computer Science & Engineering	27	23	2	0	52
11.	Computer Engineering & Information Security/Computer Science & Information Security	24	22	0	0	46
12.	Power Electronics & Drives	26	26	0	0	52
13.	Power Systems	24	20	2	0	46
14.	Power Systems Management	24	26	0	0	50
15.	Electronics & Communication Engineering	26	21	0	0	47
16.	Embedded Systems	23	20	0	0	43
17.	VLSI Design	25	24	1	0	50
18.	Wireless & Optical Communication	13	21	0	0	34
19.	Design Engineering	20	19	0	0	39
20.	Industrial Engineering	17	23	0	0	40
21.	Production Engineering	13	19	0	0	32
22.	Thermal Engineering	19	10	0	0	29
23.	Metallurgical & Materials Engineering	4	8	0	0	12
24.	Steel Technology	0	3	0	0	3
25.	Materials Science & Engineering	3	9	0	0	12
	Total (A)	477	450	15	0	942
1.	M.Sc. in Physics	38	29	0	0	67
2.	M.Sc. in Chemistry	41	31	0	0	72
3.	M.Sc. in Mathematics	41	33	3	0	77
	Total (B)	120	93	3	0	216
1.	M.B.A.	41	54	0	0	95
	Total (C)	41	54	0	0	95
	Total (A+B+C)	638	597	18	0	1253

Category (as per candidate category) & gender-wise summary of registered Postgraduate students during2021-22

EV	WS	Gen	eral	S	C	S	T	Ol	BC	To	tal	Grand
Male	Female	Total (Male+Female)										
88	47	295	167	142	42	45	17	300	110	870	383	1253



Category (as per admitted category) & gender-wise summary of registered Postgraduate students during 2021-22

E	WS	Gen	eral	SC		S	T	Ol	OBC		tal	Grand Total
Male	Female	(Male+Female)										
66	29	403	206	133	41	42	16	226	91	870	383	1253

Course-Wise students registered in Ph.D.Program (as per category-wise student enrolled) during 2021-22

S. No.	Program	1 st Year 2021	2 nd Year 2020	3 rd Year 2019	4 th Year 2018	5 th Year 2017	Beyond 5 years	Grand Total
1.	Architecture and Planning	9	5	12	4	3	2	35
2.	Centre for Energy and Environment	5	7	4	5	6	3	30
3.	Chemical Engineering	8	6	17	6	4	7	48
4.	Chemistry	4	18	11	10	3	10	56
5.	Civil Engineering	30	26	21	12	11	19	119
6.	Computer Science and Engineering	10	11	23	18	6	18	86
7.	Electrical Engineering	18	21	16	13	5	2	75
8.	Electronics and Communication Engineering	12	15	30	34	7	15	113
9.	Humanities and Social Science	8	10	11	5	1	5	40
10.	Management Studies	12	11	7	6	2	1	39
11.	Materials Research Center	3	4	4	1	3	0	15
12.	Mathematics	6	3	9	4	0	1	23
13.	Mechanical Engineering	13	14	27	16	8	13	91
14.	Metallurgical and Materials Engineering	9	8	6	1	2	3	29
15.	National Centre for Disaster Mitigation and Management	3	2	1	2	1	0	9
16.	Physics	9	10	16	7	1	10	53
	Total	159	171	215	144	63	109	861



Category & gender-wise summary of registered Ph.D. students during 2021-22

EV	WS	Gen	eral	SC		ST		OBC		To	tal	Grand Total	
Male	Female	(Male + Female)											
2	1	361	231	45	12	12	4	131	62	551	310	861	

4.3 COURSE WISE ADMISSION STATISTICS-UG/PG PROGRAMS

(a) Students admitted to Undergraduate B. Tech./B.Arch. Programs through CSAB (JoSAA) (as per admitted category count) during the session 2021-22

S.	Department	EV	VS	Gen	eral	OI	3C	S	С	S	T	P	H	Sub	Total	Total
No.		M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
1.	Architecture and Planning	3	4	14	17	12	9	4	8	3	3	0	0	36	41	77
2.	Chemical Engineering	10	2	38	9	24	6	12	4	7	3	3	0	91	24	115
3.	Civil Engineering	10	2	34	10	25	6	14	4	7	2	4	0	90	24	114
4.	Computer Science and Engineering	8	4	36	11	27	5	15	3	6	2	5	2	92	25	117
5.	Electrical Engineering	9	2	37	10	26	6	15	3	7	2	3	1	94	23	117
6.	Electronics and Communication Engineering	10	2	36	11	26	6	16	2	6	2	3	2	94	23	117
7.	Mechanical Engineering	9	2	38	10	24	7	14	3	6	2	3	0	91	24	115
Metallurgical 8. and Materials Engineering		8	4	40	6	25	6	12	4	6	3	1	0	91	23	114
	Grand Total	67	22	273	84	189	51	102	31	48	19	22	5	679	207	886



Category (as per admitted category) & gender-wise summary of admitted Undergraduate students during 2021-22

EV	WS	Gen	eral	S	C	S	T	0]	BC	To	tal	Grand
Male	Female	Total (Male+Female)										
67	22	273	84	102	31	48	19	189	51	679	207	886

(b) Students admitted to Undergraduate B. Tech./B.Arch. Programs through CSAB (JoSAA) (as per candidate category count) during the session 2021-22

S.	Department													Sı	ıb	
No.		EV	VS	Gen	eral	OI	BC	S	C	S	T	P	H	To	tal	Total
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1.	Architecture and Planning	3	4	13	15	13	11	4	8	3	3	0	0	36	41	77
2.	Chemical Engineering	20	2	28	9	24	6	12	4	7	3	3	0	91	24	115
3.	Civil Engineering	18	3	20	9	31	6	14	4	7	2	4	0	90	24	114
4.	Computer Science and Engineering	11	5	32	10	27	5	16	3	6	2	5	2	92	25	117
5.	Electrical Engineering	19	2	27	9	26	7	15	3	7	2	3	1	94	23	117
6.	Electronics and Communication Engineering	13	2	33	11	26	6	16	2	6	2	3	2	94	23	117
7.	Mechanical Engineering	16	3	31	8	24	8	14	3	6	2	3	0	91	24	115
8.	Metallurgical and Materials Engineering	22	4	24	6	27	6	12	4	6	3	1	0	91	23	114
	Grand Total	122	25	208	77	198	55	103	31	48	19	22	5	679	207	886



Category (as per candidate category) & gender-wise summary of admitted Undergraduate students during 2021-22

E	WS	Gen	eral	S	C	S	T	Ol	BC	To	tal	Grand
Male	Female	Total (Male+Female)										
25	122	208	77	103	31	48	19	198	55	679	207	886

(c) Students admitted to Undergraduate B. Tech./B.Arch. Programs through DASA during the session 2021-22

S. No.	Branch		DASA	
		CIWG	NON-SAARC	SAARC
1.	Architecture	1	0	0
2.	Computer Science & Engineering	3	7	0
3.	Electronics & Communication Engineering	2	0	0
	TOTAL	6	7	0

Male	Female	Total
9	4	13

(d) Students admitted to Undergraduate B.Tech./B.Arch. Programs through ICCR/MEA during the session 2021-22

S. No.	Branch	ICCR	MEA Welfare	MEA Education
1.	Computer Science & Engineering	0	1	0
2.	Electronics & Communication Engineering	0	1	0
3.	Mechanical Engineering	0	0	0
	TOTAL	0	2	0

Male	Female	Total
1	1	2



(e) Students admitted to Undergraduate B. Tech./B.Arch. Programs through CSAB (JOSAA)/DASA/ICCR/MEA (Education/Welfare)(as per Candidate category count) during the session 2021-22

S. No.	Department	EV	VS	GENE	RAL	OI	3C	S	C	S	Т	P	н		ıb tal	Total
NO.		M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1.	Architecture and Planning	3	4	13	16	13	1	4	8	3	3	0	0	36	42	78
2.	Chemical Engineering	20	2	28	9	24	6	12	4	7	3	3	0	91	24	115
3.	Civil Engineering	18	3	20	9	31	6	14	4	7	2	4	0	90	24	114
4.	Computer Science And Engineering	11	5	40	13	27	5	16	3	6	2	5	2	10 0	28	128
5.	Electrical Engineering	19	2	27	9	26	7	15	3	7	2	3	1	94	23	117
6.	Electronics and Communicatio n Engineering	13	2	35	12	26	6	16	2	6	2	3	2	96	24	120
7.	Mechanical Engineering	16	3	31	8	24	8	14	3	6	2	3	0	91	24	115
8.	Metallurgical and Materials Engineering	22	4	24	6	27	6	12	4	6	3	1	0	91	23	114
	Total	122	25	218	82	198	55	103	31	48	19	22	5	689	212	901

Category (as per candidate category) & gender-wise summary of admitted Undergraduate students during 2021-22

	EV	WS	Gen	eral	S	C	S	T	0	BC	Pv	vD	Grand
M	Iale	Female	Male	Female	Total (Male+Female)								
1	22	25	218	82	103	31	48	19	198	55	22	5	901



(f) Students admitted to Undergraduate B. Tech./B.Arch.Programs through CSAB (JOSAA)/DASA/ICCR/MEA (Education/Welfare) (as per Admitted category count) during the session 2021-22

S. No.	Department	EV	VS	GENE	RAL	Ol	ВС	s	C	S	Т	P	Н		ıb tal	Total
NO.		M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1.	Architecture and Planning	3	4	14	18	12	9	4	8	3	3	0	0	36	42	78
2.	Chemical Engineering	1 0	2	38	9	24	6	12	4	7	3	3	0	91	24	115
3.	Civil Engineering	1 0	2	34	10	25	6	14	4	7	2	4	0	90	24	114
4.	Computer Science and Engineering	8	4	44	14	27	5	15	3	6	2	5	2	10 0	28	128
5.	Electrical Engineering	9	2	37	10	26	6	15	3	7	2	3	1	94	23	117
6.	Electronics and Communication Engineering	1 0	2	38	12	26	6	16	2	6	2	3	2	96	24	120
7.	Mechanical Engineering	9	2	38	10	24	7	14	3	6	2	3	0	91	24	115
8.	Metallurgical and Materials Engineering	8	4	40	6	25	6	12	4	6	3	1	0	91	23	114
	Total	67	22	283	89	189	51	102	31	48	19	22	5	689	212	901

Category (as per admitted category) & gender-wise summary of admitted Undergraduate students during 2021-22

EV	WS	Gen	eral	S	C	S	T	O	BC	Pv	wD	Grand
Male	Female	Total (Male+Female)										
67	22	283	89	102	31	48	19	189	51	22	5	901



(g) Students admitted (as per original/candidate category) to Postgraduate Programs during the session 2021-22 in M.Tech./M.Plan. /M.Sc. /M.B.A. Programs

Program	EWS	General	ST	sc	овс	Sponsored	Part-	Grand
CI I I I	1	0		1			Time	Total
Chemical Engineering	1	8	2	1	3	0	1	16
Civil Engineering (Disaster Assessment And Mitigation)	0	5	2	3	3	0	0	13
Computer Science & Engineering	5	8	1	4	8	1	0	27
Computer Science and Information Security	2	9	1	5	7	0	0	24
Design Engineering	3	4	1	3	9	0	0	20
Earthquake Engineering	1	7	2	3	1	0	0	14
Electronics & Communication Engineering	1	8	1	4	12	0	0	26
Embedded Systems	3	8	0	4	8	0	0	23
Environmental Engineering	2	7	2	3	8	0	0	22
Industrial Engineering	1	10	1	0	4	0	1	17
Materials Science and Engineering	0	1	1	0	1	0	0	3
Metallurgical & Materials Engineering	1	2	0	0	1	0	0	4
Power Electronics and Drives	0	11	2	5	8	0	0	26
Power Systems	1	5	2	5	11	0	0	24
Power Systems Management	1	12	1	5	5	0	0	24
Production Engineering	0	7	0	2	4	0	0	13
Renewable Energy	4	11	1	4	6	0	0	26
Structural Engineering	2	4	1	5	8	0	5	25
Thermal Engineering	2	8	1	2	6	0	0	19
Transportation Engineering	3	7	2	3	5	3	3	26
Urban Planning	3	12	1	4	6	1	0	27
VLSI Design	4	8	2	3	8	0	0	25
Water Resources Engineering	0	5	1	4	10	0	0	20
Wireless and Optical Communication	0	10	0	2	1	0	0	13
Total	40	177	28	74	143	5	10	477



Duaguam	EWS	Canaval	ST	SC	овс	Spangagad	Part-	Grand
Program	EWS	General	51	SC	ОВС	Sponsored	Time	Total
Chemistry	8	12	3	7	11	0	0	41
Physics	9	12	1	5	11	0	0	38
Mathematics	7	12	3	6	13	0	0	41
Total	24	36	7	18	35	0	0	120

Program	EWS	General	ST	sc	овс	Sponsored	Part- Time	Grand Total
MBA	5	25	1	2	8	0	0	41
Total	5	25	1	2	8	0	0	41

E	WS	Gen	eral	S	C	S	ST		BC	To	tal	Grand
Male	Female	Total (Male + Female)										
44	25	164	83	72	22	29	7	137	55	446	192	638

(h) Students admitted (as per admitted category) to Postgraduate Programs during the session 2021-22in M.Tech. / M.Plan. /M.Sc. /M.B.A. Programs

Program	EWS	General	ST	SC	овс	Sponsored	Part- Time	Grand Total
Chemical Engineering	0	13	1	0	1	0	1	16
Civil Engineering (Disaster Assessment and Mitigation)	0	5	2	3	3	0	0	13
Computer Science & Engineering	3	11	1	4	7	1	0	27
Computer Science&Information Security	2	10	l	4	7	0	0	24
Design Engineering	2	9	0	3	6	0	0	20
Earthquake Engineering	0	9	2	3	0	0	0	14
Electronics & Communication Engineering	0	14	l	4	7	0	0	26
Embedded Systems	2	10	0	4	7	0	0	23



Total	25	247	26	66	98	5	10	477
Communication	0	11			U	U	0	13
Wireless and Optical	0	11	0	2	0	0	0	13
Water Resources Engineering	0	10	1	4	5	0	0	20
VLSI Design	3	10	2	3	7	0	0	25
Urban Planning	2	14	1	4	5	1	0	27
Transportation Engineering	2	8	2	3	5	3	3	26
Thermal Engineering	1	10	1	2	5	0	0	19
Structural Engineering	2	8	1	3	6	0	5	25
Renewable Energy	3	15	1	4	3	0	0	26
Production Engineering	0	10	0	1	2	0	0	13
Power Systems Management	0	17	1	4	2	0	0	24
Power Systems	0	12	2	4	6	0	0	24
Power Electronics and Drives	0	13	2	4	7	0	0	26
Metallurgical & Materials Engg	1	2	0	0	1	0	0	4
Engineering	0	2	1	0	0	0	0	3
Materials Science and		_		_	_			_
Industrial Engineering	0	15	1	0	0	0	1	17
Environmental Engineering	2	9	2	3	6	0	0	22

Program	EWS	General	ST	SC	ОВС	Sponsored	Part- Time	Grand Total
Chemistry	4	16	3	7	11	0	0	41
Physics	4	17	1	5	11	0	0	38
Mathematics	4	17	3	6	11	0	0	41
Total	12	50	7	18	33	0	0	120

Program	EWS	General	ST	SC	ОВС	Sponsored	Part- Time	Grand Total
MBA	5	25	1	2	8	0	0	41
Total	5	25	1	2	8	0	0	41

EWS Gen		General		C	S	T	Ol	BC	Total		Grand Total	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	(Male +
												Female)
31	11	225	106	65	21	27	7	98	47	446	192	638

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(i) Students admitted to Ph.D. Programs 2021-22 (July 2021)

		Students ad	mitted (Departmental)	Grand	
S. No.	Department	Full-Time	Part-Time including Staff, Off Campus	Total	
1.	Architecture & Planning	7	1	8	
2.	Centre for Energy & Environment	2	0	2	
3.	Chemical Engineering	4	1	5	
4.	Chemistry	3	0	3	
5.	Civil Engineering	11	1	12	
6.	Computer Science & Engineering	3	1	4	
7.	Electrical Engineering	7	1	8	
8.	Electronics & Communication Engineering	9	0	9	
9.	Humanities & Social Sciences	1	2	3	
10.	Management Studies	8	0	8	
11.	Materials Research Centre	3	0	3	
12.	Mathematics	3	0	3	
13.	Mechanical Engineering	7	1	8	
14.	Metallurgical & Materials Engineering	8	0	8	
15.	National Centre for Disaster Mitigation and Management	3	0	3	
16.	Physics	7	0	7	
	Total	86	8	94	

Gen	eral	S	C	ST		Ol	BC	To	tal	Grand Total
Male	Female	(Male + Female)								
38	25	7	2	1	0	17	4	63	31	94



(j) Students admitted to Ph.D. Programs 2021-22 (January 2022)

			admitted	Grand	
S. No.	Department	(Depar	tmental)	Total	
		Full-Time	Part-time	Total	
1.	Architecture & Planning	1	0	1	
2.	Centre for Energy & Environment	2	1	3	
3.	Chemical Engineering	3	0	3	
4.	Chemistry	1	0	1	
5.	Civil Engineering	14	4	18	
6.	Computer Science & Engineering	5	1	6	
7.	Electrical Engineering	8	2	10	
8.	Electronics & Communication Engineering	2	1	3	
9.	Humanities & Social Sciences	4	1	5	
10.	Management Studies	4	0	4	
11.	Mathematics	3	0	3	
12.	Mechanical Engineering	5	0	5	
13.	Metallurgical & Materials Engineering	1	0	1	
14.	Physics	1	1	2	
	Total	54	11	65	

EWS		Gene	ral	SC		ST		Ol	BC	To	tal	Grand
Male	Female	Total (Male + Female)										
2	1	29	9	5	2	3	1	7	6	46	19	65

4.4 Hostels

Position of Hostels Rooms (Boys) 2021-2022

S.No	Name of the Hostel	Total Capacity
1.	H1-PARIJAT	177
2.	H2-CHAITANYA	169
3.	H3-SATPURA	180

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H4-LOHIT	140
H5-BRIHASPATI	182
H6-KABIR	180
H7-DRONA	225
H8-VARUN	212
H9-AUROBINDO	975
H10-PG HOSTEL	16
VINODANI	884
	3340
	Hostel
H11-MAITRI	206
H12-GARGI	402
ACHARYA BHAWAN	500
Sub Total	1108
2 AN 2 VIII	4448
	H5-BRIHASPATI H6-KABIR H7-DRONA H8-VARUN H9-AUROBINDO H10-PG HOSTEL VINODANI Sub Total Girls H11-MAITRI H12-GARGI

1. MANAGEMENT OF HOSTEL

Caretakers are responsible for catering for the students and are supposed to give possession of the room and prepare vacation reports. It is the duty of the caretakers to maintain the complaint register, electricity, civil, door, bathroom, cleaning, water, water cooler, Networking, glass etc., report to the concerned authorities and pursue & monitor complaints. At present there are 25 Caretakers.

Wardens are the local guardians of the students and are responsible for their moral, mental and physical well-being.

2. Allotment of Rooms:-

Rooms are allotted by the Hostel Office as per the policy for the allotment of rooms as decided by the Dean, Student Welfare and Council of Wardens.



3. Policy regarding Anti-Ragging

MNITJ follows a zero tolerance policy with regard to ragging. A team of Council of Wardens and caretakers are constituted, which takes rounds of hostels and surrounding areas. The teams work from 06.00 P.M. to 12.00 at night.

4. Mess Management

There are four messes, No. 1, 6, 7 & 8 for students of hostel No. PG, Hostels No.1 to 8 are The Mess Committee as constituted by the wardens from amongst students, manages affairs of the mess. The Mess Committee decides the mess menu in consultation with the Mess Assistant and warden. The Mess Secretary is responsible for checking the raw-material and signs each bill voucher for payment.

Mess diet shall be calculated on the basis of monthly consumption in a mess. Mess at Aurobindo, Vinodini and Gargi are operated by private vendors, and are also managed by the Mess Committee, in terms of preparation of menu signing of mess bills, etc.

5. Other Facilities

- One Common Room for each hostel, having the facility of an LED TV, and one Table Tennis table.
- 2. Installed Video surveillance, DVR & accessories at all hostels & messes & MSH for the safety and security of the hostel.
- 3. A set of 3 mechanised cleaning machines Hostel at Gargi, Aurobindo and Varun Hostel for proper cleaning of the hostels.
- 4. Canteen at Gargi and Hostel No. 4 which are being operated by Private vendors.
- 5. We have adopted the ERP module. We are generating salary preparation, leave, EPF etc., of mess works. Students wise be able to monitor the status of the mess account, Calculation of mess diet, analysis and posting of vouchers etc.
- 6. Indoor and outdoor facilities in all the hostels. Similarly, a reading room facility with newspapers & magazines has also been provided in all hostels.
- 7. Awater cooler & water purifier in all hostels this facility is also available in messes.
- 8. Geysers in the bathroom for hot water during the winter sessions.
- 9. Bio Metric machines at Mess No.1, 6, 7 & 8 Ifor recording the attendance of students.
- Dish Washer in Mess No. 8
- 11. A laundromat facility at the Gargi hostel.

6. Medical Facility

There is one dispensary on the MNIT premises, which opens from 08 A.M. to 08 P.M. There is a team of doctors and nursing staff. During anti- ragging period, one ambulance is available at the hostel office and it is available on the call for the students. an ambulance is available for the emergencies of the students. Which is free of charges. In case of emergency or during late night hours, the boarder can take an ambulance to any hospital.

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7. Social activities

Development of nursery with 30000 plants, with a hut and a beautiful fountain. Development of NavgrahVatika. Fabrication of furniture & other items of Iron. Creation of a cycle Bank with the financial assistance of Wardens & staff to Financially weaker sections.

Expansion and Modernization of Hostel office after giving Jaipur Heritage a look.

4.5 SCHOLARSHIPS/ASSISTANTSHIP

Please see the details in Annexure 11.9

4.6 GAMES AND SPORTS

Physical education & sports are an important part of today's educational experience and physical activities are a part of the curriculum. An important characteristic of physical education and sport is its ability to draw upon a range of sciences to inform and advance in the fields of sports performance, exercise education, health and well-being through participation in various physical activities. Physical education and sport will continue to pursue health and well-being missions for students, staff and their family members. The vision - "Fit MNIT Fit India" and excellence in Games and Sports has developed a confident understanding of issues of all-round development of qualities like a good personality, positive leadership, motivation, commitment, people management, cardio-respiratory development, general motor ability, quick decision-making ability, body sculpture, stress-free life, fitness & current global significance of Olympic sports. Rejoicing in one's success and accepting failure and learning from it is exactly what sports teach us and the mission of sports activities is to let future engineers develop the spirit of sportsmanship. Students, staff and their family members are enjoying and using the Institute's indoor sports facilities. Physical Education and Sports have created and developed a positive and healthy sports culture in the Institute. Sports have been allotted 04 credits in the B. Tech. (I-IVth semester) course curriculum (Creative Arts), which is a unique example in the NIT system of India.

4.7 ACHIEVEMENTS IN GAMES & SPORTS

The Institute has a decent infrastructure for organizing both outdoor & indoor sports activities. The students participated in various events such as Volleyball, Badminton, Table Tennis, Basketball, Cricket, Kabaddi, Yoga and various athletic & gymnastic events. They won laurels in various inter-NIT tournaments held throughout the year 2021-22. The students have also participated in other important sports tournaments during the year 2021-22.

Participation of Students/ Staff in Sports tournaments and results.

Students and Staff members of the institute have been excelling in various Sports tournaments for the last few decades.



S. No.	S. No. Tournaments Game/Sports Peri		Performance/Results
There w	as no extra moral participation du	e to the COVID-19 pan	demic lockdown.

Staff tournament and activities

S. No.	Name of the Tournaments	Name of the organizing	Organized as on
1.	Online Chess tournament for	MNIT	25th May 2021
	MNIT		(Employees and their
			family members &
			Students)
2.	7th International Day of Yoga at	MNIT	(21st June 2021)
	MNIT, Jaipur		

4.8 EXAMINATION DETAILS

(a) Results of Undergraduate Courses of final B.Tech. /B.Arch. courses Academic Session 2021-22 as on 02-11-2022.

Disciplines	No. of	No. of students passed with CGPA on a 10- point scale			Registered	Total
	appeared	Above 7.75	7.74 to 6.75	6.74 to 4.00	semester	
		CGPA	CGPA	CGPA		
Final B. Architecture	57	23	14	16	4	57
Final B. Tech. Civil Engineering	102	29	35	27	11	102
Final B.Tech. Chemical Engineering	92	34	29	23	6	92
Final B.Tech. Computer Science & Engineering	109	54	31	18	6	109
Final B.Tech. Electrical Engineering	100	38	31	28	3	100
Final B.Tech. Electronics & Communication Engineering	105	46	34	16	9	105
Final B.Tech. Mechanical Engineering	115	50	35	24	6	115
Final B.Tech. Metallurgical & Materials Engineering	90	31	32	23	4	90
TOTAL	770	305	241	175	49	770



(b) Results of Postgraduate Courses of final year M.Tech./M.Plan./M.Sc./MBA Academic Session 2021-22

			tudents pas			
	No. of	CGPA on a 10-point scale			Registered	
Disciplines	students	Above	7.74 to	6.74 to	in next	Total
	appeared	7.75	6.75	5.0	semester	
		CGPA	CGPA	CGPA		
M.Tech. in Urban Planning	24	17	6	1	0	24
M.Tech. in Chemical Engineering	7	4	2	1	0	7
M.Tech. in Environmental	15	9	5	1	0	15
Engineering	15	9	3	1	0	13
M.Tech. in Water Resources	13	7	3	3	0	13
Engineering	15	/	3	3	0	15
M.Tech. in Structural Engineering	15	14	1	0	0	15
M.Tech. in Transportation	21	14	6	1	0	21
Engineering	21	14	0	1	0	21
M.Tech. in Civil Engineering						
(Disaster Assessment and	14	7	5	2	0	14
Mitigation)						
M.Tech. in Renewable Energy	19	11	8	0	0	19
M.Tech. in Computer Engineering	24	8	13	3	0	24
M. Tech. in Computer Engineering	22	15	7	0	0	22
& Information Security						
M.Tech. in Power Systems	19	9	9	1	0	19
M. Tech. in Power Electronics &	23	8	12	3	0	23
Drives	23	0	12	3	0	2.5
M.Tech. in Power Systems	26	13	12	1	0	26
Management	20	13	12	1	U	20
M.Tech. in Electronics &	21	15	5	1	0	21
Communication Engineering	21	13	5	1	U	21
M.Tech. in Embedded Systems	20	15	5	0	0	20
M.Tech. in Wireless and Optical	20	17	3	0	0	20
Communication	20	1 /		<u> </u>		20
M.Tech. in VLSI Design	22	17	5	0	0	22
M.Tech. in Industrial Engineering	22	7	13	2	0	22



M.Tech. in Thermal Engineering	9	6	1	2	0	9
M.Tech. in Production Engineering	17	7	9	1	0	17
M.Tech. in Design Engineering	18	10	6	2	0	18
M.Tech. in Metallurgical &	7	4	3	0	0	7
Materials Engineering	/		3	U	0	·
M.Tech. in Steel Technology	3	2	1	0	0	3
M. Tech. in Materials Science &	9	6	3	0	0	9
Engineering	9	O	3	U	U	9
M. Tech. in Earthquake Engineering	17	15	2	0	0	17
M. Sc. Physics	27	17	9	1	0	27
M. Sc. Chemistry	31	25	6	0	0	31
M. Sc. Mathematics	36	16	10	10	0	36
M.B.A.	51	17	30	4	0	51
Total	572	332	200	40	0	572

4.9 TRAINING AND PLACEMENT

Details are given in Annexure 11.10

4.10 CONVOCATION

Total Degree recipients in 15th Convocation till 30-09-2021

Branch	Total Degrees 2018-19	Total Degrees 2019-20	Total Degrees 2020-21	Total Degrees awarded in 15 th Convocation
B.Arch.	0	47	54	101
B.Tech.	0	633	655	1288
M. Planning	0	17	18	35
M.Sc.	0	67	87	154
M.Tech.	1	292	407	700
M.B.A.	0	43	51	94
Ph.D.	0	76	59	135
TOTAL	1	1175	1331	2507



UG Programs

Branch	Total Degrees 2019-20	Total Degrees 2020-21	Total Degrees awarded in 15 th Convocation
Architecture	47	54	101
Chemical Engineering	82	88	170
Civil Engineering	90	91	181
Computer Science & Engineering	96	99	195
Electrical Engineering	93	91	184
Electronics & Communication Engineering	96	99	195
Mechanical Engineering	97	102	199
Metallurgical & MaterialsEngineering	79	85	164
TOTAL	680	709	1389

PG Programs

S. No.	Programs	Total Degrees 2018-19	Total Degrees 2019-20	Total Degrees 2020-21	Total Degrees awarded in 15 th Convocation
1.	Urban Planning	0	17	18	35
2.	M. Sc. Chemistry	0	18	29	47
3.	M. Sc. Mathematics	0	27	25	52
4.	M. Sc. Physics	0	22	33	55
5.	Renewable Energy	0	14	21	35
6.	Chemical Engineering	0	9	6	15
7.	Civil Engineering (Disaster Assessment & Mitigation)	0	13	7	20
8.	Environmental Engineering	0	8	18	26
9.	Structural Engineering	0	10	18	28
10.	Transportation Engineering	1	16	20	37
11.	Water Resources Engineering	0	10	18	28
12.	Computer Engineering	0	17	26	43
13.	Computer Engineering and Information Security	0	19	24	43
14.	Power Electronics & Drives	0	13	19	32
15.	Power Systems	0	11	23	34



16.	Power Systems Management	0	10	21	31
17.	Electronics & Communication	0	13	24	37
	Engineering				
18.	Embedded Systems	0	14	22	36
19.	VLSI Design	0	17	24	41
20.	Wireless & Optical Communication	0	11	22	33
21.	Materials Science & Engineering	0	10	7	17
22.	Design Engineering	0	9	18	27
23.	Industrial Engineering	0	16	17	33
24.	Production Engineering	0	14	20	34
25.	Thermal Engineering	0	12	13	25
26.	Metallurgical & Materials Engineering	0	11	7	18
27.	Steel Technology	0	4	0	4
28.	Earthquake Engineering	0	11	12	23
29.	M.B.A.	0	43	51	94
	TOTAL	1	419	563	983

Ph.D. Programs

		Total	Total	Total	Total Degrees
S. No.	Name of Departments	Degrees	Degrees	Degrees	awarded in 15 th
		2019-20	2020-21	2021-22	Convocation
1.	Architecture and Planning	1	2	1	4
2.	Centre for Energy & Environment	1	4	0	5
3.	Chemical Engineering	1	3	2	6
4.	Chemistry	0	8	2	10
5.	Civil Engineering	0	11	5	16
6.	Computer Science & Engineering	0	9	3	12
7.	Electrical Engineering	4	12	1	17
8.	Electronics & Communication	1	16	4	21
	Engineering				
9.	Humanities and Social Science	0	2	0	2
10.	Management Studies	4	3	2	9
11.	Mathematics	1	2	1	4
12.	Mechanical Engineering	4	11	4	19
13.	Metallurgical & Materials	1	4	0	5
	Engineering				
14.	NCDMM	0	1	1	2
15.	Physics	0	2	1	3
	TOTAL	18	90	27	135



5. RESEARCH AND DEVELOPMENT ACTIVITIES

5.1 Ph.D. PROGRAMS

Ph.D. Programs

The Institute offers a full-time/part-time/part-time-off campus advanced programs leading to the Ph.D. degree in the areas of Engineering/Technology/Sciences/Humanities & Social Sciences Management. Admission to these programs is open to individuals from all disciplines twice a year for the Odd (July) and Even (January) semesters. The admission process is based on the past academic record, a research proposal, references and a written test/personal interview. Upon admission, students have to complete minimum course requirements and clear a Comprehensive Examination before commencing with their doctoral research under the guidance of a supervisor and research committee of the student concerned. The Institute offers a variety of competitive scholarships and assistance to full-time Ph.D. students.

Minimum Qualifications	Normal Duration	Maximum Duration
B.Tech./M.Tech./M.Plan./	Full-Time: 6 Semesters	10 Semesters
M.Sc./MBA/M.A./M.Com.	Part-Time: 6 Semesters	12 Semesters

Details of Ph.D. awarded from 1st April 2021 to 31st March 2022

Department	Total Degrees
Architecture & Planning	2
Centre for Energy & Environment	4
Civil Engineering	18
Chemical Engineering	10
Chemistry	4
Computer Science & Engineering	16
Electrical Engineering	9
Electronics & Communication Engineering	11
Humanities and Social Sciences	3
Management Studies	8
Material Research Center	1
Mathematics	3
Mechanical Engineering	9
Metallurgical & Materials Engineering	2
National Centre for Disaster Mitigation and Management	3
Physics	5
TOTAL	108



5.3 PROPOSED PLAN FOR RESEARCH

Each department of the Institute has identified its area of strength and intends to focus on these areas for best results. Full-Time Ph.D. studentships are also proposed to attract engineering graduates to pursue research at the Institute.

5.4 CENTRES FOR EXCELLENCE

1. MATERIALS RESEARCH CENTRE

The Material Research Centre envisions emerging as research intensive centre for interdisciplinary research in the frontiers of Materials technology. It further envisions the creation and maintenance of appropriate ambience entailing research in drives for the development of appropriate materials technology. The centre aims at fostering the growth of demanding technology of the day vis-à-vis creation of new knowledge pertaining to meaningful industry-institution interaction for invention & being a centre for innovation on materials science and technology, and it contemplates striving for excellent knowledge creation & dissemination for useful economic activities, besides the creation of new generation scientist resources of the country to take the lead role in mastering technology development activities across the globe. The Materials Research Centre of MNIT will continue the hybridization of newer and newer facilities of science and engineering in order that a true culture of cooperative and participative activities in material science and technology emblems the birth of the real sense interdisciplinary entity.

1. Equipment in the centre:

S. No.	Name of the Equipment			
1.	Atomic Absorption Spectrometer (AAS)			
2.	Atomic Force Microscope (AFM)			
3.	Automet / Ecomet-250			
4.	Abrasimatic-300 / Automated Y drive			
5.	BET Surface Area & Pore Size Analyzer			
6.	COMSOL Software			
7.	Confocal Raman Spectrometer with Photoluminescence (PL)			
8.	Centrifuge Machine			
9.	Dynamical Mechanical Analyzer (DMA)			
10.	De-Ionized (DI) Water Purification System			
11.	Electron Beam/Vacuum Coating Unit			
12.	Electrochemical Workstation			
13.	Fourier Transform Infra-Red (FTIR) Spectrometer			
14.	Fluorescence Spectrometer (FL)			

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15.	Four Probe Station
16.	High-Resolution Transmission Electron Microscope (HRTEM)
17.	High-Resolution Field Emission Scanning Electron Microscope (FESEM)
18.	Hall Effect Measurement System
19.	Hot Air Oven
20.	Hot Sintering Press
21.	Ion Beam Milling System (PIPS-II), Disc Grinder, Dimple Grinder, Disk Punch & Jet
	Polisher (Tenupol-Electrojet).
22.	Isomet Machine
23.	Impedance Analyzer
24.	Liquid Nitrogen Plant
25.	Mass Spectrometer (HRMS, LCMS & UPLC)
26.	Micro Hardness Tester
27.	Microwave Reactor
28.	Masked Planner Milling System (Ilions)
29.	Metaserv 8" Twin
30.	Nuclear Magnetic Resonance (NMR) Spectrometer
31.	Glow Discharge Spectrometer (GDS/OES)
32.	Optical Microscope
33.	Planetary Mono Mill (Ball Milling)
34.	Particle Size & Zeta Potential Analyzer
35.	Programmable Spin Coater
36.	Radio Frequency-Direct Current (RF-DC) Sputtering System
37.	Semiconducting Device Analyzer (SDA)
38.	Simplimet
39.	Source Measurement unit
40.	Specimen Holder
41.	Sputter Coater
42.	Thermal Chemical Vapour Deposition (TCVD)
43.	Thermal Gravimetric Analyzer (TGA)
44.	Ultra Violet-Visible-Near Infra-Red (UV-VIS-NIR) Spectrometer
45.	Universal Testing Machine (UTM)
46.	Ultrasonic Disk Cutter
47.	Ultramet-2005
48.	Ultrasonic Processor
49.	Vacuum Impregnation
50.	Waveform Generator
51.	X-Ray Diffractometer (XRD)
52.	X-Ray Photoelectron Spectroscopy (XPS)



2. Adjunct Faculties:

- (a) Dr. Kamlendra Awasthi, Assistant Professor & Coordinator, MRC
- (b) Dr. Kanupriya Sachdev, Professor
- (c) Dr. Ragini Gupta, Professor
- (d) Dr. Kamakshi Pandey, Assistant Professor

3. Supporting Staff:

- (a) Mr. Mohtashim Reza, Scientific Officer
- (b) Mr. Chetanya Prakash, Scientific Officer
- (c) Mr. Shubham Gautam, Technical Assistant (SG-II)
- (d) Mr. Hitesh Kumar Sharma, Senior Technical Assistant
- (e) Mr. Atul Kumar Sharma, Senior Technical Assistant
- (f) Dr. Shriniwas Yadav, Senior Technical Assistant(On lien)
- (g) Mr. Sourabh Sharma, Technician
- (h) Mr. Bhupesh Kumar Sharma, Technical Assistant (Contract)
- (i) Dr. BhagwanSahai Yadav, Technical Assistant (Contract)
- (j) Mr. Deepak Kumawat, Technician(Contract)
- (k) Mr. Surendra Kumar Kumawat, Technician(Contract)
- (1) Mr. Manish Kumar Gupta, Technician (Contract)
- (m) Mrs. Pooja Agrawal, Technician (Contract)
- (n) Mr. Jassa Ram, MTS (Out Source)
- (o) Mr. Anil Verma, MTS (Out Source)
- (p) Mr. Kripal Singh, Care Taker (Out Source)

4. Equipment for the next phase:

- (a) High Vacuum Arc Melting Furnace
- (b) Contact Angle Measurement System
- (c) UV-visible Spectrometer
- (d) Freeze Dryer
- (e) Differential Scanning Calorimeter (DSC)

5. Process and Fees for application of Testing:

There are three categories for sample testing and different fees are applicable for all categories.

- (a) Internal Users
- (b) External Academic
- (c) External Industries



Users can book an online slot at the MRC portal for sample testing and submit their requisition form and samples in MRC Office personally or through speed post/courier. Samples testing data is provided by CD or e-mail to users.

Rate List for Sample Testing

The following are the charges for the testing sample at MRC, MNIT Jaipur

S.		MNIT Jaipur Charges (GST applicable extra as per					
No.	Equipment	rules)					
		Internal	External	External			
		Users	(Academic)	(Industries)			
	NMR	250 per sample	500 per sample	1000 per sample +			
	A. For Proton (1H)	+	+	*Solvent Charges			
		*Solvent	*Solvent	Extra			
		Charges	Charges				
		Extra	Extra				
		300 per sample	600 per sample	1200 per sample +			
	B. C ¹³ & DEPT	+	+	*Solvent Charges			
1.		*Solvent	*Solvent	Extra			
		Charges	Charges				
		Extra	Extra				
	C. For Other Nuclei (¹⁹ F,	500 per sample	800 per sample	1000 per sample +			
	Si, P, N, Cd, Metal, F	+	+	*Solvent Charges			
	& Sn etc)	*Solvent	*Solvent	Extra			
		Charges	Charges				
		Extra	Extra				
	D. Other than 1D for 2D						
	& 3D Additional	800 per sample	1200 per sample	2000 per sample +			
	charges of Rs. 500 per	+	+	*Solvent Charges			
	sample on per mode is	*Solvent	*Solvent	Extra			
	applicable.	Charges	Charges				
		Extra	Extra				
	ent charges for NMR: 1. Rs. 100	•	•	MSO, 3. Rs.			
250/sa	mple - D ₂ O, 4. Rs. 500/sample -	- CD ₃ OD, 5. Rs. 500/	sample - CD ₃ CN				
	Mass Spectrometer						
	For direct mass and	300 per sample	600 per sample	1000 per sample			
	MS/MS*	with	with	with			
	a. ESI (Charges will be	solvent	solvent	solvent			





	separate				
2.	for +ve and -v	mode)			
	b. APCI		300 per sample with solvent	600 per sample with solvent	1000 per sample with solvent
	c. Solid Stat	e Probe Mode	400 per sample	1200 per sample	2400 per sample
	d. LCMS (p	er run)	600 per sample with solvent	1200 per sample with solvent	1500 per sample with solvent
3.	FTIR (KBr	Mode)	75 per sample (max. 16scan)	125 persample (max. 16scan)	300 persample (max. 16scan)
	FTIR (ATR	Mode)	50 per sample (max. 16scan)	100 persample (max. 16scan)	300 persample (max. 16scan)
4.	UV-Vis Spectrophotometer		50 per sample & per run	100 per sample & per run	300 per sample & per run
	Fluorescence	;	50 per sample	75 per sample	400 per sample
5.	Spectrophoto	ometer	& per run	& per run	& per run
6.	XRD (Max. 2 samples /	Powder or Solid Sample	300 per sample	500 per sample	800 per sample
	hour)	Thin Film	350 per sample	600 per sample	1200 per sample
		FESEM (Imaging)	350 per sample	700 per sample	2000 per sample
	FE-SEM + EDS		450 per sample	900 per sample	2200 per sample
7.		FESEM + EDS + Mapping	550 per sample	1200 per sample	2400 per sample
		EBSD	1500/ Sample	2650/ Sample	12000/ Sample



			(Excluding	(Excluding	(Excluding
			Sample	Sample	Sample
			Preparation)	Preparation)	Preparation)
		Au, Pt coating	350/Run	400/Run	500/Run
	Sputter		(5 sample)	(Max 5 samples)	(Max 5 samples)
	Coater				
		Carbon	300/Run	300/Run	300/Run
		Evaporator	(Max 5 sample)	(Max 5 samples)	(Max 5 samples)
			500/sample+	1500/sample	3000/Sample +
			600 (Ion Milling	+ 600 (Ion	600 (Ion Milling
		HRTEM	if needed) Cu-	Milling if	if needed) Cu-
		(Max 1	Grid - Rs. 350	needed)	Grid - Rs. 350
		sample/hour)	Extra if not	Cu-Grid - Rs.	Extra if not
			provided by the	350 Extra if not	provided by user
			user	provided	
8.				byuser	
	HR-TEM		600/sample+	1750/sample	3200/Sample +
		HRTEM +	600 (Ion Milling	+ 600 (Ion	600 (Ion Milling
		EDS	if needed) Cu-	Milling if	if needed) Cu-
		(Max 1	Grid - Rs. 350	needed)	Grid - Rs. 350
		sample/hour)	Extra if not	Cu-Grid - Rs.	Extra if not
			provided	350 Extra if not	provided by user
			by the user	provided by the	
				user	
			800/sample +	2000/sample	3500/Sample +
		HRTEM +	600 (Ion	+ 600 (Ion	600 (Ion Milling
		EDS	Milling if	Milling if	if needed) Cu-
		+ MAPPING	needed)	needed)	Grid - Rs. 350
			Cu-Grid - Rs.	Cu-Grid - Rs.	Extra if not
			350 Extra if not	350 Extra if not	provided by user
			provided by the	provided by the	
			user	user	
		AFM (Max.2			
		samples/hour)	400 per sample	600 per sample	1500 per sample
	Multimode				
9.	AFM	MFM or STM	1200 per Sample	2200 per Sample	5000 per Sample



		Nano	1500 per	3500 per	7200 per sample
		indentation	sample	sample	
10.	DMA		500 per hour	800 per hour	1500 per hour
11.	STA/TGA		400 per hour	600 per hour	2000 per hour
12.	OES/GDS		160 per Sample	300 per Sample	800 per Sample
13.	AAS (For A	as & Hg)	400 per sample	500 per sample	1000 per sample
	AAS (Other	elements)	200 per sample	300 per sample	1000 per sample
14.	Thermal CV	/D	800 per run	1800 per run	3500 per run
15.	Vacuum Coating Unit		800 per run Thickness limit 500nm	1800 per run Thickness limit 500nm	3500 per run Thickness limit 500nm
16.	RF/DC Sputtering (For Oxides) 16. RF/DC Sputtering (For Metals)		800 per run Thickness limit 200nm	1800 per run Thickness limit 200nm	3500 per run Thickness limit 200nm
			800 per run Thickness limit 500nm	1800 per run Thickness limit 500nm	3500 per run Thickness limit 500nm
		1. ZnO (99.99%pur ity)	500 Thickness limit 200nm	800 Thickness limit 200nm	2000 Thickness limit 200nm
		2. TiO ₂ (99.99% purity)	500 Thickness limit 200nm	800 Thickness limit 200nm	2000 Thickness limit

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17.	Available Targets				200nm
		3. Al (99.99%	500	800	2000
		purity)	Thickness	Thickness	Thickness
			limit 500nm	limit 500nm	limit
					500nm
		5. Zn	500	800	2000
		(99.99%	Thickness	Thickness	Thickness
		purity)	limit 500nm	limit 500nm	limit
					500nm
		6. Cu	500	800	2000
		(99.99%	Thickness	Thickness	Thickness
		purity)	limit 500nm	limit 500nm	limit
					500nm
		7. Silver	600	1000	2500
		(99.99%	Thickness	Thickness	Thickness
		purity)	limit 100nm	limit 100nm	limit
					100nm
18.	Planetary B	all Milling	100 per hour	250 per hour	500 per hour
19.	Microwave	Reactor	100 per Reaction	300 per Reaction	800 per Reaction
20.	Spin Coater		50 per Run	200 per Run	500 per Run
	XPS		1000/Samp	2000/Samp	3000/Sam
	(i) Surface S	Survey (C + 4	le 100 for	le 200 for	ple 400 for
	Elements H		extra per	extra per	extra per
	included)		element HR scan	element HR scan	element HR scan
21.	(ii) Depth P	Profile (Max 5 hrs)	1500/Sample	3000/Sample	5500/Sample
	(iii) UPS		1500/ Sample	3000/ Sample	5500/ Sample
	(iv) AES		600/ Sample	1500/ Sample	2000/ Sample
	(v) Heating 400 ^o C	(>RT) up to	200/ for one specific Temp.	200/ for one specific Temp.	200/ for one specific Temp.

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	Raman / PL	300/ Sample	450/ Sample	1000/ Sample
22.	Raman Mapping	12000 per hour (approx 100 points)	12000 per hour (approx 100 points)	25000 per hour hour (approx 100 points)

Characterization at different temperatures (-150 degree centigrade to 200-degree centigrade) will be treated as

different sample and charges will be applicable accordingly. For the temperature stage solid sample size is limited to $L \times B \times H = 1 \text{cm} \times 1 \text{cm} \times 1 \text{mm}$.

23.	Zeta Potential / Particle	110/ Sample	175/ Sample	500/ Sample
	Size Analyzer			
24.	Impedance Analyzer	125/ Sample	150/ Sample	1000/ Sample
		150/ Sample at	285/ Sample at	1000/ Sample at
25.	SDA + Probe Station (I-V)	Room Temp.	Room Temp.	Room Temp.
		(And 450 per hr.	(And 725 per hr.	(And 2000 per hr
		Will be charged	Will be charged	Will be charged
		for Temp.	for Temp.	for Temp.
		Variation measurement)	Variation measurement)	Variation measurement)
26.	Micro Hardness Tester	100/ Sample	250/ Sample	500/ Sample
27.	Optical Microscope	100/sample	200/sample	500/sample
		150 per sample	250/per	1000/samp1
28.	Hall Measurement	(And 300/hour	sample (And	e (And
		for Temp.	600/hour for	2000/hour for
		Variable	Temp.	Temp.
		measurement)	Variable	Variable
			measurement)	measurement)
29.	UTM (Universal	200 per sample	500 per sample	1000 per sample
	Testing Machine)			
30.	DI Water	10 per liter	10 per liter	10 per liter

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21	T 3.7	Т	50	50	7,0,10,10
31.	LN ₂		50	50	50
			per liter	per liter	per liter
		Abrasive	100 per	100	100
		Cutter Or	sample	per sample	per sample
		Diamond			
		Cutter			
		Hot	100 per	100	100
		mounting	sample	per sample	per sample
		press			
		Automatic	100 per	100	100
		Polisher or	sample	per sample	per sample
		manual			
32.		Polisher			
		PIPS ion	600 per	600	600
	Sample	Milling for	sample	per sample	per sample
	Preparati	TEM			
	on	Electro jet	600 per	600	600
	Facility	Polishing	sample	per sample	per sample
		For TEM			
		X-Section	600 per	600	600
		sample Prep	sample	per sample	per sample
		for TEM			
		Illion X-	600 per	600	600
		section	sample	per sample	per sample
		sample Prep			
		for			
		FESEM			
		EBSD	600 per	600	600
		sample	sample	per sample	per sample
		Prep.			
		Sonicator	-	-	-
		Bath or			
		probe			
33.	Electro Che	1 *	500 per test	1000 per test	2000 per test
	Work Static	on	-	-	_
34.	BET Surfac	e Area Analyser	1500 per sample	2000 persample	3000 per sample
	(Multi Poin				_ *
L	L `	,			<u> </u>



6. Areas breakup as per lab:

- (a) XRD & XPS Lab
- (b) Structure & Surface Morphology Lab
- (c) Atomic Force Microscopy Lab
- (d) Advanced Microscopy Lab
- (e) Sample Preparation Lab
- (f) Mass Spectrometry Lab
- (g) Thin Film Deposition Lab
- (h) NMR Spectroscopy Lab
- (i) Optical, Thermal & Mechanical Characterization Lab
- (i) Electrical Measurements Lab
- (k) BET Surface Area& Pore size Analyzer, Electro Chemical Work Station Lab
- (l) Liquid Nitrogen Plant and Universal Testing Machine
- (m) Computer Lab
- (n) Material Synthesis and Characterization Lab

5.5 INSTITUTE- INDUSTRY COLLABORATION

MNIT Innovation and Incubation Center (MIIC) / Entrepreneurship Development Cell

MNIT INNOVATION AND INCUBATION CENTRE

The Institute has adopted MoE guidelines for National Innovation & Start-up Policy-2020 for students and faculty to actively engage in Innovation and Entrepreneurship Activities. Five of MNIT's faculty members have registered or are in process of registering their startups at MIIC and are manufacturing and developing need-based innovative solutions like E-bikes, UV Sanitizing Box, Bio-medical devices for clubfoot infants, Non-invasive Gluco-meter and testing equipment & battery-related technology. To date, twenty one student startups have also been incubated in MIIC. The footprint of registered startups with MIIC is 90 in various domains like AI, Health Care, Eco-Friendly innovations, Visual Aids, Training and Development, Hiring and Recruitments, Digital Marketing, Agri-Tech, Construction management consultancy, Travel & Tourism etc.

The number of registered start-up incubatees from the period of 1 April to 31 March 2022 is 8 and the number of associate startups during the same period was 6.

Program/activities conducted- 27 Programs and activities were conducted from 1 April 2021 to 31 March 2022 by MIIC.

Lab Established

A well-equipped Tinkering Lab was established at MNIT Innovation and Incubation Centre.



5.6 राजभाषा समिति

<u>राजभाषा कार्यान्वयन समिति की सत्र 2021-2022 की</u> <u>प्रमुख उपलिब्धियाँ</u>

संस्थान में निम्नानुसार राजभाषा कार्यावयन समिति का गठन किया हुआ है :-

1.	श्री अशोक कुमार अग्रवाल, सह-आचार्य, वैद्युत अभि. विभाग	-	संयोजक
2.	डॉ. सुमन राठौड़, हिन्दी अधिकारी एवं उप कुलसचिव (प्रशासन)	-	सदस्य
3.	डॉ. राजकुमार व्यास, आचार्य, रासायनिक अभि. विभाग	-	सदस्य
4.	डॉ. ज्योति जोशी, आचार्य, रसायनशास्त्र विभाग	_	सदस्य
5.	डॉ. राजकुमार जोशी, सहायक आचार्य, रसायनशास्त्र विभाग	-	सदस्य
6.	डॉ. नीरजा सारस्वत, सहायक आचार्य, मानविकी विभाग	-	सदस्य
7.	डॉ. प्रियंका हरजुले, सहायक आचार्य, गणित विभाग	_	सदस्य
8.	श्री राजकुमार दुबे, सहायक कुलसचिव, अकादिमक अनुभाग	-	सदस्य
9.	सुश्री किरण राठौड़, अधीक्षक (एस.जीप्), छात्रकल्याण प्रकोष्ठ	-	सदस्य
10.	श्री विनोद मणि शर्मा, वरिष्ठ अधीक्षक, स्थापना अनुभाग	-	सदस्य
11.	श्री विजय भट्ट, वरिष्ठ सहायक, स्थापना अनुभाग	-	सदस्य
12.	श्री बीरेन्द्र कुमार पाण्डे, वरिष्ठ कार्य सहायक, पुस्तकालय	-	सदस्य

उक्त राजभाषा कार्यान्वयन समिति की बैठकें भारत सरकार के गृह विभाग के तहत राजभाषा के नियमों के अनुरूप नियमित अन्तराल में समय-समय पर आयोजित होती रही हैं।

राजभाषा प्रकोष्ठ ने इस वर्ष निम्नलिखित गतिविधियों का आयोजन किया

(क) राजभाषा सिमिति द्वारा आयोजित संगोष्ठी/सम्मेलन/कार्यशाला -

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मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान की राजभाषा समिति द्वारा हिन्दी सप्ताह के अन्तर्गत संस्थानिक स्तर पर संस्थान के शैक्षिक संकाय, अधिकारियों एवं कर्मचारियों तथा विद्यार्थियों के लिए निम्नलिखित विविध कार्यक्रमों का आयोजन किया गया।

क्र.	कार्यक्रम/ गतिविधि	संयोजक/सह–संयोजक (संपर्क सूत्र सहित)	दिनांक एवं	कार्यक्रम
सं.			समय	स्थल
1.	हिन्दी वाद-विवाद	डॉ. आर.के. व्यास	सितम्बर	एनकेएन
	प्रतियोगिता	डॉ. प्रियंका हरजुले	14, 2021	
		डॉ. नीरजा सारस्वत -9413129311	सायंः ५:००	
			बजे	
2.	तकनीकी विषयों पर हिन्दी	डॉ. वी.के. जैन	सितम्बर	एनकेएन
	निबन्ध लेखन प्रतियोगिता''	डॉ. ज्योती जोशी–	15, 2021	
		श्री अशोक अग्रवाल-9549654217	सायं ५:००	
			बजे	
3.	हिन्दी आशुभाषण प्रतियोगिता	डॉ. राजकुमार जोशी	सितम्बर	एनकेएन
		श्री विनोदमणि शर्मा	16, 2021	
		श्री रामप्रकाश प्रजापत-9414001152	सायंः 5:00	
			बजे	
4.	हिन्दी काव्य-पाठ प्रतियोगिता	श्री राजकुमार दुबे	सितम्बर	एनकेएन
		डॉ. अनुभा जिन्दल	17, 2021	
		सुश्री किरण राठौड-9549654916	सायंः ५:००	
			बजे	

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हिन्दी वाद-विवाद प्रतियोगिता का विषय "**ऑनलाईन शिक्षण पद्धति विद्यार्थियों के लिए अधिक प्रभावी** है" या।

तकनीकी विषय पर हिन्दी निबन्ध लेखन प्रतियोगिता के अन्तर्गत "भारत में कोविड प्रबन्धन व नियन्त्रण में सूचना एवं संचार प्रौद्योगिकी की भूमिका" विषय पर 800 से 1000 शब्दों की शब्द-सीमा में निबन्ध लिखकर संबंधित गतिविधि संयोजक को ईमेल के माध्यम से पीडीएफ में दिनांक 15 सितम्बर, 2021 को सायं 5:00 बजे तक जमा करवाना था। निबन्ध हस्तिलिखत होना आवश्यक था।

कोविड-19 महामारी के परिप्रेक्ष्य में केन्द्र सरकार द्वारा समय-समय पर जारी दिशा-निर्देशों, मानक प्रचालन प्रक्रिया (एस.ओ.पी.) को ध्यान में रखते हुए सभी कार्यक्रम ऑनलाइन तरीके से गूगलमीट लिंक https://meet.google.com/ecf-rfzc-grm पर आयोजित किए गए तथा सभी कार्यक्रमों में राजभाषा कार्यान्वयन समिति के सभी सदस्यगणों के साथ ही संस्थान के समस्त शिक्षकगण/अधिकारीगण/कर्मचारीगण तथा छात्र-छात्राएँ ने ऑनलाईन सहभागीता की।

राजभाषा कार्यान्यन समिति के निर्णयानुसार हिन्दी सप्ताह कार्यक्रम में आयोजित विभिन्न प्रतियोगिताओं में विद्यार्थी संवर्ग में विद्यार्थी संवर्ग में विद्यार्थी में प्रथम, द्धितीय व तृतीय को पुरस्कार स्वरूप नगद राशि क्रमशः रूपये 2000/-, 1500/- एवं 1000/- तथा दो सांत्वना पुरस्कार 500/- प्रत्येक को तथा गैर विद्यार्थी संवर्ग में विजेता शिक्षकों/अधिकारियों/कर्मचारियों को स्मृति-चिद्ध से सम्मानित किया गया।



5.7 Internal Complaint Committee (Women's Cell)

As per the Act of Parliament 2013, on the Sexual Harassment of Women at Workplace Chapter II the following Internal Complaints committee (Women's Cell) has been constituted:

S.No.	Member	Constitution	Responsibility
1.	Dr. Preeti Bhatt	A Coordinator who shall be a woman employed at senior level at workplace amongst the employees.	Presiding Officer
2.	Prof. Kanupriya Sachdev		Member
3.	Dr. Rina Surana	No. 1 and the state of the stat	Member
4.	Dr. Dipti Saxena	Not less than two members from amongst employees preferably committed to the cause of women or who had	Member
5.	Dr. Kavita Lalwani	experience in social work or have legal knowledge.	Member
6.	Dr. Niraja Saraswat		Member
7.	Dr. K. Palpandi		Member
8.	Professor Damyanti Gupta (Retd) Department of Political Science University of Rajasthan President, Rajasthan University Women's Association	One member from amongst non-government organizations or association committed to the cause of women or a person familiar with the issues relating to sexual harassment.	External Member

Registrar assists the committee in discharging the functions.



7. THE COUNCIL, BOG AND OTHER COMMITTEES

6.1 BOARD OF GOVERNORS

S. No.	Nomination Under	Name with Designation	Serve as
1.	Section 11 Clause(a)	Dr. R. K. Tyagi	Chairman
		Former Chairman-cum Managing	
		Director, Hindustan Aeronautics Limited; and	
		Hony. President, Centre for India	
		Progressing, New Delhi	
2.	(b)	Prof. Narayana Prasad Padhy,	Ex-Officio Member
		Director, Malaviya National Institute of Technology Jaipur (Rajasthan)	
3.	(c)	Ms. Saumya Gupta IAS	Ex-Officio Member
		Joint Secretary (NIT)	
		Department of Higher Education,	
		Ministry of Education	
		205-C, Shastri Bhawan, New Delhi	
4.		Ms. Darshana M. Dabral,	Ex-Officio Member
		Financial Adviser, Department of Higher	
		Education Ministry of Education	
		120-C, Shastri Bhawan, New Delhi	
5.	(d)	To be nominated by State Government	Member
6.		To be nominated by State Government	Member
7.	(e)	To be nominated by Council of NITSER	Member
8.		To be nominated by Council of NITSER	Member
9.	(f)	Prof. Upender Pandel	Member
		Department of Metallurgical and Material	
		Engineering, MNIT Jaipur	
10.		Sh. Ashok Kumar Agarwal, Associate Professor	Member



		Department of Electrical Engineering, MNIT Jaipur	
11.	(g)	Prof. Rangan Banerjee Director Indian Institute of Technology Delhi Hauz Khas, New Delhi	Member

6.2 FINANCE COMMITTEE

S. No.	Statute	Name with Designation
1.	Statute 10 (1)	Dr. R. K. Tyagi
	(i)	Former Chairman-cum-Managing Director, Hindustan Aeronautics Limited; and
		Hony. President, Centre for India Progressing, New Delhi
2.	(ii)	Prof. Narayana Prasad Padhy,
		Director, Malaviya National Institute of Technology
		Jaipur (Rajasthan)
3.	(iii)	Ms. Saumya Gupta IAS
		Joint Secretary (NIT)
		Department of Higher Education,
		Ministry of Education
		205-C, Shastri Bhawan, New Delhi
4.		Ms. Darshana M. Dabral,
		Financial Adviser, Department of Higher Education
		Ministry of Education
		120-C, Shastri Bhawan, New Delhi
5.	(iv)	Prof. Upender Pandel,
		Department of Metallurgical and Material Engineering, MNIT Jaipur
6.		To be nominated by the Board of Governors
7.	(v)	Prof. M. M. Sharma
		Registrar (I/C)



6.3 BUILDING & WORKS COMMITTEE

S. No.	Name and Designation of nominated persons	Serve as
1.	Prof. N. P. Padhy	Director & Chairman BWC
	Director & Chairman BWC	
	MNIT Jaipur	
	Email – <u>director@mnit.ac.in</u> , <u>Tel:-</u>	
	+911412529087	
2.	Sh. M. L. Soni	Nominee, MoE
	Director, NITs	
	Department of Higher Education	
	Ministry of Education, Government of	
	India, New Delhi	
	Email - ml.soni@nic.in	
	Mob - +918920342890	
3.	Sh. Anil Kumar	Nominee, MoE
	Director (Finance)	
	Department of Higher Education	
	Ministry of Education, Government of India,	
	New Delhi	
	Email – anil.k35@nic.in	
	P. S.A. P. Crost. (DOCN)	POCM :
4.	Prof. A. B. Gupta (BOG Nominee)	BOG Nominee
	Professor, Civil Engineering Department	
	MNIT Jaipur	
	Email - abgupta.ce@mnit.ac.in,	
	<u>Mob - +919549654179</u>	
5.	Sh. Vivek Gupta	Superintending Engineer cum
	Superintending Engineer cum Project	Project Director, CPWD
	Director, CPWD	
	MNIT Project Circle, CPWD, Jaipur	
	email -vivek.gupta77@gov.in, pcmnit-	
	cpwd@nic.in	
	<u>Mob - +919958996973</u>	



6.	Sh. P. K. Gupta Superintending Engineer (Commercial), JVVNL, Jaipur Email - secomml@jvvnl.org , Mob - +919413390178	Superintending Engineer (Commercial), JVVNL, Jaipur
7.	Prof. Sanjay Mathur Dean (P&D), MNIT Jaipur Email – dean.pnd@mnit.ac.in, Mob - +919549654213	Dean (P&D), MNIT Jaipur
8.	Prof. M. M. Sharma Registrar & Member Secretary Email – registrar@mnit.ac.in, Mob- +919413346999	Registrar & Member Secretary

7. CONCESSIONS FOR SCs, STs, HANDICAPPED STUDENTS

7.1 CONCESSIONS PROVIDED FOR STUDENTS

Admission Policy

According to the admission rules laid down by the Govt. of India, the following reservations are made for admission to undergraduate Programs at the MNIT, Jaipur. The same applies to Post Graduate courses

(i)	OBC Candidates	27%
(ii)	Scheduled Caste Candidates	15%
(iii)	Scheduled Tribe Candidates	7.5%
(iv)	Physically Handicapped Candidates	5 %
(v)	Economically Weaker Section	10 %



Scholarships

Various state governments and Board for Social Welfare provide scholarships to SC/ST students.

7.2 CONCESSIONS PROVIDED FOR STAFF

The reservation policy and other benefits as directed by the Government of India from time to time are implemented.

8 FINANCIAL STATUS

8.1 Details of Grant received

During the year 2021-22 the institute received a grant under different heads (entirely from Govt of India) as given below:-

Grant	s		(in Lakhs)	
(i)	Grant in aid General	:	5687.75	
(ii)	Grant in aid Salary	:	10078.31	
(iii)	Grant for creation of Capital assets	:	3005.59	
(iv)	Grant for HEFA loan interest	:	87.86	
(v)	Project Grant (R & D)	:	1346.27	
(vi)	Other Plan Activities	:	0.00	
(vii)	TEQIP	:	10.32	
(viii)	MPLAD Fund	:	0.00	
TOTA	AL	:	20,216.10	

8.2 Source of Funds

- (i) Grant in Aid from Govt. of India
- (ii) Tuition Fees from Students
- (iii) Rent
- (iv) Interest
- (v) Other Misc. Income

8.3 Expenditure position for the last three years

(GRANTS AND OTHER EARMARKED FUNDS) (in Lakhs)

Years	Expenditure
2019-20	15961.71
2020-21	15138.80
2021-22	17067.57



9. CENTRAL FACILITIES AND SERVICES

9.1.1 INFORMATION & COMMUNICATION TECHNOLOGY (ICT) CENTRE, MNIT JAIPUR

Information & Communication Technology (ICT) Centre, MNIT Jaipur

The new ICT Centre, established on the first floor of Prabha Bhawan, was inaugurated by Prof. S.V. Raghavan on 19th October 2014. Since its establishment, it is operating 24*7*365 and has become the most sought-after place for students.

The ICT Centre, a centralized facility of the Institute, caters to the computing needs of students, faculty, staff and researchers of all the academic departments, centres and sections of the Institute through its state-of-the-art infrastructure. The IT & HR infrastructure and activities at the ICT Centre can be viewed at https://mnit.ac.in/ict/.

The Centre is equipped with eleven computer labs having more than 550 Desktop Computers and Graphics Workstations; Data Centre has a private cloud; advanced software at a central location accessible to all on the campus; and an Industry compatible Programming team capable of developing Database Applications in a professional manner. The Centre also manages the ERP of the Institute.

Web-based applications are developed, deployed and maintained by ICT Centre:

The **MNIT website** as well as the **NIT Council website** are developed and maintained by ICT Centre. The new MNIT website includes many features like dynamic faculty profiles, a user-friendly multi-tab interface, scroll-free GUI and quick search etc.

The NIT Council website provides an interface for all thirty-one NITs so that users can access information about all the NITs from a single platform.

Other applications developed and maintained by ICT Centre are:-

- (a) Online Applications for admissions in Ph.D., M.Tech., M.Plan. and MBA.
- (b) Online Applications for recruitment of Non-Teaching staff.
- (c) Online Applications for recruitment of Teaching staff.
- (d) Institute Intranet Portal.
- (e) Online GPF account management system for MNIT employees.
- (f) Various Conferences and Seminar websites.
- (g) MRC (Material Research Centre) application.
- (h) Accounts Bill Management System.

MNIT JAIPUR



In-House ERP

ICT Centre took up the assignment of developing an In-House ERP. Additional technical manpower has been hired to work with the MNIT technical team. The expenses (mostly those pertaining to) were booked in CC-RG Development Fund, created through various consultancy projects at ICT Centre.

Development of the new ERP was started with the latest technology (Spring boot and React JS). The Academics Module was completed, tested by a committee and handed over to the Academics section for the implementation. The other modules like HR, Finance and R&C are under development.

Stepping towards becoming Financially Self-Sufficient

To become financially self-sufficient, ICT Centre has taken up several consultancy projects for resource generation. Proving its capabilities to develop industry-level web applications, the centre has taken up a project to develop MIS for complete automation of the academic environment of Rajasthan University of Health Sciences(RUHS) and Rajasthan Paramedical Council (RPMC), the largest University/Council of Rajasthan in the health sector.

The Centre executed consultancy projects & earned a significant amount of revenue. Successful execution of these projects led to an inflow of more projects from different government/autonomous bodies of the state.

Apart from the projects of RUHS & RPMC, the ICT Centre has executed consultancy assignments of Recruitment for various government departments like the Pollution Control Board, Local Self Government Department & RIICO.

Apart from financial gain, the Institute has also gained prestige by providing technical support to peer Institutes. We have supported NIT Delhi, NIT Jalandhar, NIT Uttarakhand, IIIT Kota in the recruitment of Teaching/Non-Teaching positions multiple times by operating the portal for online applications.

MNIT Data Centre Infrastructure

Emerson Smart Row Rack solution: A user-friendly, fully integrated row-based Rack at Data Centre accommodates Blade Servers and Storages. The Rack is having redundant precision cooling, power management, remote monitoring and control system, integrated fire detection and suppression system, biometric access control, intelligent power distribution system, mail and SMS notification system, and ultrasonic rat/rodent repellent solutions.



Computing Resources at Data Centre

- CISCO Chassis: 03 x UCS 5108
- CISCO Blade Servers: 12 x CISCO B200 M4 Blade Servers with the following Configuration:
 - 2 x 18 Core Intel® Xeon® Processor (E5-2699 v3)
 - 512GB RAM
 - Intel® C610 chipset
 - 4 x10Gb Ethernet NIC ports
- CISCOFabric Interconnect: 02 x CISCO UCS 6248UP 48-Port Fabric Interconnects which provide uniform access to both networks and storage.
- HP Blade Servers: -16 x HP ProLiant BL460c G7 blades with following Configuration:
 - 1 x 6 Core Intel® Xenon® HT Processor 5600 series
 - 64 GB RAM in four Blades
 - Intel® 5520 Chipset
 - 2 x Ethernet NIC ports
- One HP ProLiant DL380 Gen9 Server for VCR Infrastructure.
- VMware Cloud Suite 6: Twelve socket licenses installed on 6 CISCO UCS blades for MNIT Private Cloud Services.

EMC² Storages and Backup Devices

VNX-5200 SAN used for MNIT Private Cloud : 28 TB VNX-5300 SAN used for MNIT Private Cloud : 17 TB ISILON S200 NAS used for data storages : 38 TB AVAMAR M1200 Gen4S backup Appliance : 12 TB

HP Storages Devices

HP Storage Works X1000 G2 (6TB) used for Auto CAD Licensing Server & Auto CAD Data Storage.

10 TB SAN Storage: - HP MSA P2000 Modular Smart Array Systems with RAID 5, and Smart Array P410i Controller.

MNIT Data Centre Usage

MNIT Data Centre is housing MNIT Private Cloud using VMware V Cloud Suite installed on Blade Server and core network switches with a 2 GBPS lease line for internet connectivity.

MNIT Private Cloud is an IaaS service, which allows administrators to create Virtual data centres with virtual servers, machines and networks, expanding or reducing as per their needs. With this Private Cloud, MNIT users get both computational resources and network License resources for their own exclusive use.

MNIT JAIPUR -



MNIT private cloud is running various applications/services used by students, faculty and staff. Approximately two hundred Virtual Machines have been allotted for IT Services and the computational needs of researchers from various departments and centres.

Various Hosting and other Services

MNIT Website http://www.mnit.ac.in/

NIT Council Website- http://www.nitcouncil.org.in

Intranet Web Application - http://intranet.mnit.ac.in

Teaching and Non-teaching recruitment web application.

LDAP Authentication Server for 6000 users.

Library Management software KOHA and RFID

DSpace Institutional Digital Repository – http://idr.mnit.ac.in/

MNIT Alumni Association - http://alumni.mnit.ac.in/

MNIT Innovation and Incubation Centre- http://miic.mnit.ac.in/

MNIT Placement Portal- http://placements.mnit.ac.in/

MNITPhD admission web application.

MNITDNS server.

MNITAutoCAD examination answer sheet web portal – http://caed.mnit.ac.in

Various license Servers

Building Design Complete Suite 2019 Licensing Server for 3000 users

MATLAB R2015b and Simulink License Server for 100 Users

Hyperworks 13.0 Licensing Server 120 users

Minitab v18 License Server for 10 users

Mathematica v12 License Server 10 users

JMat-Pro v8 License Server for 10 users (Comprehensive Tool for Metallurgy).

ERDAS IMAGINE v15for 15 users (Geographic Imaging solutions) and Hexagon Geo Media

Desktop 2015

SimaProv8 License server for 20 users

ESET ENDPOINT SECURITY Antivirus v8server for 500 users.

Visual MODFLOW License server for 5 users (For groundwater simulations)

IBM SPSS v25 Licensing Server for 10 users (predictive analytics software)

aspenONEv10 License Server for 150 users

ArcGIS v10 License Server for 9 users.

WITNESS 23.1 Simulation License server 10 users.

FRANC3D – 3D CRACK Fracture Mechanics Simulation license server 1 user.

SIMULIA Abaqus License server 5 users.

Ansys Academic License server25 task and more.

COMSOL 5.6 MultiphysicsLicense server 30 users.



Super-Computing Research & Learning Hub

Based on the requirement raised by various faculty members, the ICT Centre proposed to establish a Super-Computing Research & Learning (SCRL) Hub to support the research and development activities of faculty and students of the Institute

In this regard, a DPR with a budget estimate of Rs 7.37 Crore was presented before the 47th BoG meeting where it was approved and the required fund was allocated from the Institute Grant to procure the infrastructure.

The procurement committee, consisting of members from MNIT Jaipur, IIT Jodhpur and IIT Kanpur has prepared the technical specifications to initiate the procurement.

Laboratory Resources:-

The ICT Centre has more than 550 high-end PCs including 120 graphics workstations placed in **eleven** fully air-conditioned computer laboratories with all modern teaching aids, which are open 24*7*365. The labs are equipped with the following Software:-

1. Building Design Suite Ultimate 2019

Building Design Suite is a portfolio of interoperable 3D building design and documentation software. It supports Building Information Modelling and CAD-based workflows for architects, MEP and structural engineers and construction professionals.

Computer-aided design (CAD) includes creation, modification, analysis, or optimization of design using a computer system. Computer-aided design is used in many fields. Its use in designing electronic systems is known as <u>electronic design automation</u> or EDA. In mechanical design, it is known as mechanical design automation (MDA) or computer-aided drafting (CAD), which includes the process of creating a <u>technical drawing</u> with the use of computer software.

Product	Module/ Component	License	Department
Building	Fusion 360, Inventor Professional, Revit, AutoCAD,	3000	For All UG and
Design Suite	Maya, AutoCAD Mechanical, AutoCAD Raster Design, Recap,		PG Students
Ultimate	Vault Basic, 3ds Max Design, Navisworks Manage, AutoCAD		
2019	Electrical, AutoCAD Architecture, AutoCAD MEP,		
	AutoCAD Structural, Showcase, Recap, 3ds Max		

License Type: Network

2. HyperWorks13.0

HyperWorks 13.0 provides the most comprehensive, open-architecture, Multiphysics CAE platform to enhance product performance, design lightweight components, and get products to the market faster and access to new technologies.

MNIT JAIPUR



Product	Module/ component	License	Department
HyperWorks 13.0	Optistruct	120	For All UG and PG
	Radioss	120	Students
	Acu solve	120	
	hypermesh	120	
	Hyper view	120	1
	Hyper graph	120	1
	Inspire	120	
	Evolve	120	
	VIrtual Mind Dunner	120	1
	Hyper Study	120	1
	Motion View	120	
	Motion Slov	120	1
	Sim lab	120	1
	Hyper Crash	120	1
	Hyper Math	120	
	Hyper Form	120	
	Hyper Xtrude	120	7

License Type: Network

3. ERDAS IMAGINE 2015

ERDAS IMAGINE is a <u>remote sensing application</u> with <u>raster graphics editor</u> abilities designed by ERDAS for <u>geospatial</u> applications. The latest version is 2015. ERDAS IMAGINE is aimed primarily at geospatial raster data processing and allows the user to prepare, display and enhance digital images for mapping use in <u>geographic information system</u> (GIS) or in <u>computer-aided design</u> (CAD) software.

Product	Module/ component	License	Department
ERDAS	ERDAS Foundation	15	For All UG and
IMAGINE	ERDAS IMAGINE	15	PG Students
2015	ERDAS IMAGINE 2015 v15.1	15	
	Intergraph Licensing 2015	15	
	ERDAS IMAGINE 2015 Geodatabase Support	15	
	Condor for Intergraph 2015	15	
	ERDAS IMAGINE Remote Sensing Example	15	
	Data		

License Type: Network



4. Bentley Software

Product	Module/ component	License	Department
Bentley	Bridge Analysis	Unlimited Subscription	For All UG and
Academic		Expiration Date: 29/06/2024	PG Students
SELECT	Building Design		
	Civil Design]
	Electrical and]
	Instrumentational		
	Software		
	Geotechnical Engineering]
	Hydraulics and Hydrology]
	Mapping and Surveying		
	Modeling and]
	Visualization		
	Offshore Structural]
	Analysis		
	Pipe Stress and Vessel		1
	Analysis		

License Type: Stand Alone

5. Adobe Master Collection CS 6

Adobe® Creative Suite® 6 Master Collection software. Adobe Creative Suite (CS) is a series of software suites of graphic design, video editing, and web development applications.

Product	Module/ component	License	Department	
Adobe	What's inside Master Collection 10 For All U			
Master	Photoshop Extended CS6 Photoshop CS6 Extended]	and PG	
Collection	Illustrator CS6 Illustrator CS6	1	Students	
CS 6	InDesign CS6 InDesign® CS6	1		
	Acrobat Pro DC Acrobat® X Pro	1		
	Flash Professional CS6 Flash® Professional CS6	1		
	Flash Builder Flash Builder® 4.6 Premium Edition	1		
	Dreamweaver CS6 Dreamweaver® CS6	1		
	Fireworks CS6 Fireworks® CS6	1		
	Adobe Premiere Pro CS6 Adobe Premiere® Pro	1		
	CS6			
	After Effects CS6 After Effects® CS6]		
	Adobe Audition CS6 Adobe Audition® CS6			
	SpeedGrade CS6 SpeedGrade TM CS6			
	Adobe Prelude CS6 Prelude™ CS6			
	Encore CS6 Encore® CS6]		
	Bridge CS6 Bridge CS6	1		
	Media Encoder CS6 Media Encoder CS6			

License Type: Stand Alone



6. JMat Pro-v8

JMatPro® is a simulation software which calculates a wide range of materials properties for alloys and is particularly aimed at multi-components alloys used in industrial practice. JMatPro is a powerful tool for modelling materials' properties and behaviours for complex commercial alloys. Using JMatPro one can do calculations for Stable and metastable phase equilibria, Solidification behaviour and properties, Mechanical properties, Thermo-physical and physical properties, Phase transformations, and Chemical properties.

Product	License	Department
JMat Pro-v8	10 (Ten)	Metrology and Material Engineering

License Type: Network

7. SimaPro 804

SimaPro provides us with a professional tool to collect, analyze and monitor the sustainability performance of products and services. SimaPro comes fully integrated with various databases and impact assessments, and is used for a variety of Life Cycle Assessment Applications.

Product	License	Department
SimaPro 8.0	20	Department of Environment and
		Energy Studies

License type: Network

8. MATLAB R2015b& Simulink Software

MATLAB® (MATrix Laboratory) is a high-level language and interactive environment for numerical computation, visualization, and programming. Using MATLAB, one can analyze data, develop algorithms, and create models and applications. The language, tools, and built-in math functions enable one to explore multiple approaches and reach a solution faster than with spreadsheets or traditional programming languages, such as C/C++ or Java®. One can use MATLAB for a range of applications, including signal processing and communications, image and video processing, control systems, test and measurement, computational finance, and computational biology. More than a million engineers and scientists in industry and academia use MATLAB, MATLAB is widely used in academic and research institutions as well as industrial enterprises. MNIT has purchased Simulink with 50 Licenses & MATLAB R2014a with 100 licenses and the following toolboxes.



Diric di E II	0 4 4 7 7	MARTAD D. 111 T.
Bioinformatics Toolbox	Optimization Toolbox	MATLAB Builder JA
Communications System Toolbox	Parallel Computing Toolbox	MATLAB Builder NE
DSP System Toolbox	Real-Time Windows Target	MATLAB Coder
Aerospace Blockset	SimDriveline	MATLAB Compiler
Aerospace Toolbox	Partial Differential Toolbox	MATLAB Report Generator
Neural Network Toolbox	Phased Array System Toolbox	Mapping Toolbox
Computer Vision System Toolbox	RF Toolbox	Model Predictive Control
		Toolbox
Control System Toolbox	Robust Control Toolbox	Model-Based Calibration
		Toolbox
Curve Fitting Toolbox	Signal Processing Toolbox	Spreadsheet Link EX
Data Acquisition Toolbox	SimBiology	Stateflow
Database Toolbox	SimElectronics	Statistics Toolbox
Datafeed Toolbox	SimEvents	Symbolic Math Toolbox
Econometrics Toolbox	SimHydraulics	System Identification Toolbox
Embedded Coder	SimMechanics	SystemTest
Filter Design HDL Coder	SimPowerSystems	Trading Toolbox
Financial Instruments Toolbox	SimRF	Vehicle Network Toolbox
Financial Toolbox	Simscape	Wavelet Toolbox
Fixed-Point Designer	Simulink 3D Animation	OPC Toolbox
Fuzzy Logic Toolbox	Simulink Coder	Image Processing Toolbox
Gauges Blockset	Simulink Control Design	Instrument Control Toolbox
Global Optimization Toolbox	Simulink Design Optimization	LTE System Toolbox
HDL Coder	Simulink Design Verifier	Simulink Report Generator
HDL Verifier	Simulink PLC Coder	Simulink Verification
		&Validation
Image Acquisition Toolbox	Simulink Real-Time	Simulink® Code Inspector TM

9. Visual MODFLOW

This is Hydrogeology software. This is used for the conceptual model of the groundwater system, prior to the simulation. The geological formations, property model, and boundary conditions are all designed outside the model grid or mesh. This allows the flexibility to adjust the interpretation of the groundwater system before applying a discretization method and converting it to a numerical model.

Product	License	Department
Visual MOD Flow	5	Department of Civil Engineering

License Type:-Network



10. The Language Laboratory is equipped with the following latest software:

Tense Buster

Study Skills Success

Clear Pronunciation

Clear Pronunciation 2

Clarity English Success

Business Writing

It's Your Job

Active Reading

Issues in English 2- International

Author Plus

Result Manager

11. ArcGIS

Provides contextual tools for mapping and spatial reasoning so you can explore data and share location-based insights. ArcGIS creates deeper understanding, allowing you to quickly see where things are happening and how information is connected.

Product	License	Department
ArcGIS	9	Department of Civil Engineering and Architecture

License type: Network

12. Minitab 18 | Minitab Express

Analyze data and find meaningful solutions to the toughest challenges. Minitab 18 helps one analyze larger data sets – better, faster and easier – no matter where one stands on his analytics journey. A comprehensive set of statistics for exploring the data and visualizations that illustrate insights.

Product	License	Department	
Minitab 18 Minitab	10	Department of Chemical Engineering	
Express			

License type: Network

13. Mathematica 12.0

Mathematica provides a single integrated, continually expanding system that covers the breadth and depth of technical computing—and is seamlessly available in the cloud through any web browser, as well as natively on all modern desktop systems.

Product	License	Department
Mathematica 12.0	10	Department of Mathematics

License type: Network



14. AspenONE V10 ENG

AspenONE Engineering software enables asset design optimization across the capital, energy, controllability, environmental impact, safety and yield, empowering collaborative workflows that drive sustained profitability.

Product	License	Department/Users
aspenONE_V10_ENG	150 License	Chemical Engineering Department.
		UG Students, PG Students, Research
		Scholars& Academic Staff

License Type: Network

15. IBM SPSS® Statistics 25.0

IBM® SPSS® Statistics is the world's leading statistical software used to solve business and research problems by means of ad-hoc analysis, hypothesis testing, and predictive analytics.

Product	Module/ component	License	Department/Users
IBM SPSS	IBM SPSS Statistics Base 25.0	10	Department of Humanities and
Statistics 25.0	IBM SPSS Advanced Statistics	10	Social Science & Department of
	IBM SPSS Decision Trees	10	Management Studies.
	IBM SPSS Forecasting	10	UG Students, PG Students,
	IBM SPSS Missing Values	10	Research Schoolers & Academic
	IBM SPSS Neural Networks	10	Staff.
	IBM SPSS Regression	10	

License Type: Network

16. VMware vCloud Suite 6: VMwarevCloud Suite is an enterprise-ready private cloud software used for building and operating software-defined data centres based on vSphere. VCloud Suite contains components that can be integrated to deliver IT as a service. VMware vCenter server is a centralized management application that lets one manage virtual machines and ESXi hosts centrally.

Product &	License	Quantity	Department/Users	
Version				
vCenter Server	1	1	DC Team	
6 Standard		INSTANCE(s)		
vCloud Suite 6	1	12 CPU(s)	For all Departments/Sections/Centres of the Institute.	
Advanced			Students of UG, PG, Research Schoolers, Academic	
			Staff & Staff of Institute.	

License Type: Per CPU, Standalone

17. Microsoft Office 2013 Standard: Microsoft Office 2013 contain Word, Excel,

PowerPoint, Publisher, Outlook and OneNote.

Product	License	Department/Users	
Office Standard 2013 with SP1	250	All departments/Sections/Centres	

License Type: Standalone



18. Windows 7 Professional: Windows 7 is a personal computer operating system, the low-level software that supports a computer's basic functions, such as scheduling tasks and controlling peripherals.

Product	License	Department/Users
Windows 7 Professional	63	For all departments/sections/centres VM Users

License Type: Standalone

19. Microsoft Windows Server: Microsoft Windows Server OS (operating system) is a series of enterpriseclass server operating systems designed to share services with multiple users and provide extensive administrative control of data storage, applications and corporate networks.

Product	License	Department/Users
Windows Server Standard 2008 R2/ Windows Server	45	For all departments/sections/centres
2012 R2 Standard		

License Type: Standalone

20. ESET Endpoint Security: Two-way firewall. Prevents unauthorized access to the company network. It provides anti-hacker protection, and data exposure prevention, and enables defining trusted networks, making all other connections, such as to public Wi-Fi, restricted by default.

Product	License	Department/Users
ESET Endpoint Security	500	For all departments/sections/centres

License Type: Network

21. WITNESS 23.1 Simulation Software: Consistently the most flexible, powerful, proven process simulation technology in the world, Lanner's desktop modelling studio, WITNESS Horizon, enables professional modellers to rapidly develop feature-rich models and simulation apps that provide unparalleled insight through dynamic data visualization and freedom to test choices in a risk-free virtual environment.

Product	License	Department/Users
WITNESS 23.1 Simulation Software	10	Department of Mechanical
		Engineering

License Type: Network

22. FRANC3D— 3D CRACK GROWTH/Fracture Mechanics Simulation Software: The FRactureANalysis Code 3D (FRANC3D) program is designed to simulate 3D crack growth in engineering structures where the component geometry, local loading conditions, and the evolutionary



crack geometry can be arbitrarily complex. It is designed to be used as a companion to general-purpose Finite Element (FE) solvers.

FRANC3D development started at Cornell University in the late 1980s, evolving into a program that has been used worldwide in academia and industry for analyzing crack growth in complex 3D structures.

Product	License	Department/Users
FRANC3D 7.5 – 3D CRACK GROWTH/Fracture	01	Department of Mechanical
Mechanics Simulation Software		Engineering

^{*} License Type: Network

23. SIMULIA Abaqus Software: Product simulation is often performed today by engineering groups using niche simulation tools from different vendors to simulate various design attributes. The use of multiple vendor software products creates inefficiencies and increases costs. SIMULIA delivers a scalable suite of unified analysis products that allow all users, regardless of their simulation expertise or domain focus, to collaborate and seamlessly share simulation data and approved methods without loss of information fidelity.

The Abaqus Unified FEA product suite offers powerful and complete solutions for both routine and sophisticated engineering problems covering a vast spectrum of industrial applications. For example, in the automotive industry engineering work groups can consider full vehicle loads, dynamic vibration, multibody systems, impact/crash, nonlinear static, thermal coupling, and acoustic-structural coupling using a common model data structure and integrated solver technology. Best-in-class companies are taking advantage of Abaqus Unified FEA to consolidate their processes and tools, reduce costs and inefficiencies, and gain a competitive advantage.

Product	License	Department/Users
SIMULIA Abaqus Software license Research	32 QXT: + One	Department of Mechanical
Edition for Unlimited Nodes:	QXT, 1 QRX.	Engineering
SIMULIA Academic Research Suite - QRX	At a time 5 No. of	
SIMULIA Academic Research Execute Tokens -	users can access this	
QXT-1EDU	software.	

^{*} License Type: Network

24. Ansys Academic Software: Ansys computational fluid dynamics (CFD) products are for engineers who need to make better, faster decisions. Our CFD simulation products have been validated and are highly regarded for their superior computing power and accurate results. Reduce development time and effort while improving the product's performance and safety.



Product	License	Department/Users
ANSYS Academic Research LS-DYNA#	25 tasks	For ALL Departments
ANSYS Academic Research CFD	25 tasks	
ANSYS Academic Research HPC Workgroup Max. 128		
Core	1 task(s)	
	(10/100) -	
ANSYS Academic Multiphysics Campus Solution	Research	
	(10/100) -	
ANSYS Academic Multiphysics Campus Solution	Teaching	
ANSYS Academic Research SCADE	5 task	
ANSYS GRANTA EduPack (10)	1 task(s)	
ANSYS GRANTA Research Selector	1 task(s)	

^{*} License Type: Network

#ANSYS Academic Research LS-DYNA License Expiry Date is 22-Aug-2022 and all other Licenses are permanent.

25. COMSOL 5.6 Multiphysics: Engineers and scientists use the COMSOL Multiphysics® software to simulate designs, devices, and processes in all fields of engineering, manufacturing, and scientific research.

COMSOL Multiphysics® is a simulation platform that encompasses all of the steps in the modelling workflow — from defining geometries, material properties, and the physics that describe specific phenomena to solving and postprocessing models for producing accurate and trustworthy results.

To create models for use in specialized application areas or engineering fields, one can augment COMSOL Multiphysics® with any combination of add-on modules from the product suite. The interfacing products make it possible to also integrate simulation with other engineering and mathematical software used in product and process design. When one has developed a model, he can even convert it into a simulation application with a dedicated user interface, which can be designed for very specific use by people beyond the R&D department.

Product	License	Department/Users
COMSOL 5.6 Multiphysics	30	Department of Chemical
		Engineering

^{*} License Type: Network



9.1.2 NKN (NATIONAL KNOWLEDGE NETWORK) - Virtual Class Room and Video Conferencing facility and CWN (CAMPUS WIDE NETWORKING)

A: AUDIO System	l		
AKG	AKG WMS 470 HTD5	Wireless microphone - Handheld	3
AKG	AKGC555	Wireless microphone - Lavaliere	3
AKG	AKG GN50ESP CK 31 H 500	Gooseneck microphone	3
AKG	AKG CHM99	Ceiling Microphone	18
JBL	JBL CT 50 LA	Shielded Indoor Professional speakers	12
CROWN	CROWN XLS 1000	Dual Channel Amplifier	3
EXTRON	EXTRON DMP 128 CP	Networked Audio DSP	3
SOUNDCRAFT	SOUND CRAFT EMP 12	Professional Audio Mixer	3
B: VIDEO System			
PANASONIC	PANASONIC RZ 470/370	LED Hybrid WUXGA Projector	3
GRANDVIEW	GRANDVIEW	WXGA Motorized Projection screen with matt white Fabric - 123" diagonal (65" x 104") with low voltage control	
PANASONIC	PANASONIC TH 65LF B 70	65" HD LED LCDprofessional display with wall mount	
PANASONIC	PANASONIC TH 42 E5 DM	42" HD LED LCD professional display with wall mount	3
LUMENS	LUMENS CL 510	Doc Camera / Visualiser	2
DELL	CREATIVE LTM 22W	21" Interactive Panel	1
CREATIVE	CREATIVE WIPG 1000	Wireless presentation system	1
C: Control System	 		
EXTRON	EXTRON IPCP PRO 550	O Ethernet enabled 3 control system processor with ethernet card	
EXTRON	EXTRONTLP PRO 1020 T	10" Desktop/Flush mount wired touch panel	3
EXTRON	EXTRON NIPL TP CS4I	Four Port Power Control	3



			2)((010
EXTRON	EXTRON DXP 88	8x8 HDMI Matrix	3
	HDMI	Switcher with EDID	
		Minder®	
EXTRON	EXTRON XTP UWP	Multi-Format	3
	202	Faceplate	
		Transmitter, HDCP	
		Compliant	
D: Additional Su	pporting IT H/W & Access	sories	•
EMERSON	EMERSON	Online UPS 10 KVA	3
	ADAPT10		
	KVAWITH 100 AH		
	12 BATTERY		
CUSTOM	CUSTOM	Electronic Podium	3
NETRACK	NETRACK	Equipment Rack 42	3
		U	
CISCO	CISCO 500 SERIES	Wireless Access	3
		point	
CISCO	CISCO	24 port managed	3
		POE Gigabit Switch	
CISCO	CISCO	12 Port managed PoE	3
		Switch	
HP	HP PROLIANT 380	Intel Xeon SERVER	1
DELL	DELL 3000 SERIES	Laptop with Latest	3
		Configuration	
E: Video Confere	encing System*		_I
AVAYA	AVAYA SOPIA XT	VC Endpoint codec	4
	5000	with Camera	
AVAYA	AVAYA	Additional VC Camera	6
AVAYA	AVAYA SCOPIA	Standalone MCU	1
	ELITE 6140		
AVAYA	AVAYA	Firewall Traversal Device	1
	PATHFINDER		
AVAYA	AVAYA SCOPIA	Desktop Client & Recording Solution	1
	DESKTOP CLIENT	Sestion Services Recording Services	,
	& RECORDING		
	LICENCE		
AVAYA		Gatekeener License	1
		Gatekeeper Ereense	,
		Gatekeeper License	1



MNIT VC Infra over NKN

MNIT is proud to own a world-class Video Conferencing Infrastructure supported by a very Low Latency High Bandwith Network Backbone called NKN (National Knowledge Network) provided & serviced by NIC. Both services are complimentary to each other & collectively known as MNIT VC Infra over NKN.

The objective of the National Knowledge Network (NKN) is to connect all institutions of higher learning and research with a high-speed data communication network to facilitate knowledge sharing and collaborative research. It will bridge the existing knowledge gap in the country and help the country evolve as a Knowledge Society, spuring economic activities in the Knowledge domain. Under this Network, the target users for the NKN are all institutions engaged in the generation and dissemination of knowledge in various areas, such as research laboratories,

universities and other nstitutions of higher learning, including professional institutions.

NKN has already connected over 1605 institutions under various categories throughout the country. The NKN is a platform for delivering effective distance education where teachers and students can interact in real-time. This is especially significant in a country like India where access to education is limited by factors such as geography, lack of infrastructure facilities etc. The network enables the co-sharing of information such as classroom lectures, presentations and handouts among different institutions.

Currently, we have 03 NKN-enabled classrooms along with Director Secretariat directly connected to MHRD & NIC HQs which are used to attend Videoconferencing sessions as & when needed.

NKN updates during 2020-21 are as follows

Using NKN in an online interactive mode, inauguration of Vivekanand Lecture Theatre Complex (VLTC) was done by Hon'ble Minister of Education Dr. Ramesh Pokhariyal Nishank. As and when required various cabinet ministers (Jal Shakti Mantri, etc.) also use to attend their online meetings using NKN. Due to the global pandemic situation, various MoE, AICTE, NEP, EC, EAC, FC, HEFA etc. are being attended by the Hon'ble Director on regular basis using NKN. Various sponsored programs, short-term courses & International conferences are being organized using NKN & virtual classroom facilities on regular basis. NKN-VCR is playing an active role in organizing TEQIP—III sponsored courses & E &ICT Academy sponsored summer & winter Faculty Development Programs (FDP) programs. After the lockdown period & currently prevailing COVID-19 pandemic situation globally, utilization of NKN increased rapidly & provided reliable support for the institute's regular & urgent administrative as well as financial meetings like BOG, Senate, and Financial Committee etc. Hon'ble Chairman BoG used to have live interaction with Directors, Deans & Heads of various Departments using NKN on regular basis to facilitate various academic as well as administrative activities.

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Various Hosting and other Services

Celebrations of various events like Vigilance Awareness week, Hindi Pakhwara, Constitution Day, etc. have been conducted in the online mode using NKN. Various activities under Unnat Bharat Abhiyan like the celebration of Gandhi Jayanti online were also done using NKN. Hence NKN has proved itself as a backbone for online e-governance/management/event/celebration in the current situation. Since due to the current pandemic condition, physical reporting of new entrants was prohibited & for the very first-time, Orientation Program for new entrants was successfully held online using NKN Around 900 students actively participated & some of them also interacted with the Hon'ble Chairman, Director as well as Deans/Head of various departments & shared their wonderful experiences. Department of NKN & VC Infra has also facilitated online teaching & learning by procuring as well as providing assistance & training to faculties for using online tools like google meet, Microsoft Teams, Avaya spaces, cisco Webex, zoom etc. It had made a significant contribution to the pandemic situation by providing a seamless teaching-learning experience for students & faculties boosting their morale in a tough pandemic scenario. In addition to teaching-learning, various online Ph.D. Viva was also conducted using NKN which helped various research scholars to achieve their Ph. D. degrees on time.

MNIT Campus Wide Networking Infrastructure

MNIT Campus Wide Networking has the following infrastructure

S. No	Name	Modal Number	Quantity	Specification
1.	ISP	BSNL	1	2.5G 1:1 dedicated Internet Bandwidth
2.	ISP	NKN	1	1G 1:1 dedicated Internet Bandwidth
3.	Proxy Server	IBM 3650 Server	2	2X4 core Intel Xeon processor with 16 GB RAM and 248GB HDD
4.	Core Switch	VDX8770-04	1	Having one 48 port 1/10G slot and one 12 port 40G QSFP+ slot.
5.	Distribution	X460-G2-24X-10GE4	6	Having 24 100/1000 Mbps port and 4
	Switch			1/10G port
6.	Distribution	X460-24x	3	Having 24 100/1000 Mbps port and 2
	Switch			1/10G port
7.	Access	EX3400-24T, X250-	337	Having 24, 26 or 28 100/1000 Mbps base
	Switch	24T, X440-24T, X440-		T port, 4 1/10G port and 2 40G ports
		G2-24T-10GE4, X460-		
		24P, Cisco 2960-24		
		and other		
8.	Access Switch	EX3400-48T, X250-	99	Having 48 or 52 100/1000 Mbps base T
		48T, X440-48T, Cisco		port, 4 1/10G port and 2 40G port
		2960-48 and other		



9	Wireless	Aruba 3400	2	Having 34 AP license, 4 100/1000 Mbps
	Controller			ports
10.	Wireless	Aruba 175P, Aruba	200	Having MIMO antenna
	Access Points	275P, Aruba 105P,		
		Aruba 205P, Ubiquiti		
		UAP APv2, AP-AC-		
		LR, AP-AC-HD		

MNIT Campus Wide Networking Usage:- MNIT CWN provides Internet connectivity in all departments, hostels, Guest houses and some residential staff quarters using LAN, Wi-Fi or ADSL.

9.1.3 LANGUAGE LAB:

There is one Language Lab in ICT Centre. This lab has 20 computers with language learning software Clear Pronunciation, Study Skills Success, Clarity English Success, Business Writing, Active Reading and Tense Buster, etc.

9.2 WORKSHOPS

Central workshop is a central facility with state-of-the-art machines to meet the following objectives:

- 1. To impart training to the students of all branches of 1ST Year B. Tech in various shops.
- 2. To impart training on the latest machine tools to B. Tech. (Mechanical Engineering) and M. Tech. (MSE) Students.
- 3. To provide workshop facilities for the fabrication of minor and major projects to the students of all branches.
- 4. Central workshop has state-of-the-art machine tools and equipment required for carrying out research work at M. Tech and Ph. D. levels in all the departments and sections of the institute.
- 5. To develop a project lab which will have all the basic tools required for carrying out projects of all the Departments of the institute. This project lab will open for 24 hrs.
- 6. To ensure a safe working environment for staff and students.
- 7. Upkeep of institute furniture and other infrastructures.
- 8. To provide consultancy to industries/ organizations thereby improving the Institute-Industry relationship.
- 9. Along with the above-mentioned primary objectives the workshop would also be used for community development activities such as organizing training programs for society and staff.

The Project Lab will be a central facility with state-of-the-art machines to meet the following objectives:

 To provide workshop facilities for the fabrication of minor and major projects to the UG/PG students of all branches.

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- 2. The project lab would have state-of-the-art machine tools and equipment to facilitate the research work at M. Tech and Ph. D. levels in all the departments and sections of the institute.
- 3. The project lab shall be the hub of innovations and shall help in registering patents for the same.
- 4. The project lab shall be managed by students under the guidance of the coordinator Project Lab.
- 5. It will also showcase its innovations through exhibitions twice a year. These exhibitions shall be organized in collaboration with Industries.
- 6. This project lab will be open 24 hrs.

9.3 LIBRARY

The Central Library of MNIT Jaipur is one of the oldest, prosperous, and well-known hybrid libraries. It is considered one of the region's best libraries in the area of engineering, science & Technology, and management education with a mixed collection of both print and electronic resources, including books, journals, databases, CDs/DVDs, e-journals, reports, etc. It is a beautiful two-floor building that has around 16,000 Sq. feet plinth area and most of the building is fully air-conditioned. The Library caters to the educational and research needs of the academic community, and scholars from all over the country consult its resources. Currently, the library holds about 167000+ books, 3500+ e-books, 32000+e-journals, 3000+ theses & dissertations, and standards provided by the e-ShodhSindhu consortium to support local research activity. The Central Library also has access to many BIS codes, educational video courses & and cassettes, CD-ROMS, etc.

Library at a Glance:

Print and e-Resources/ Digital Resources:

>	Print Books	-	1,67,360
>	E-Books	-	3,551
>	E-Journals	-	32,679
	Print Journals	-	28
>	Online Databases	-	08
>	Print Theses	-	660
	Print Magazines	-	12
>	Print Newspapers	-	08
	Area	-	15,847 sq. feet
>	Sitting capacity	-	400 users (Approx.)
>	Timings	-	08:00 AM to 10:00 PM (Monday to Friday)
			09:00 AM to 08:00 PM (Weekends)

State-of-art Hybrid Library

MNIT JAIPUR



S. No.	Name	Designation	Qualification
1.	Dr. Rishi Kumar Tiwari	Librarian	M.L.I.Sc., Ph.D.
2.	Sh. SachinKatagi	Assistant Librarian	M.L.I.Sc., UGC - NET
3.	Sh. Navdeep Redhu	Assistant Librarian	M.Sc., M.L.I.Sc., UGC - NET, PGDCA

Administrative staff:

Supporting Staff:

pporting Starr.		
1. Sh. Devendra Singh Rathore	-	Lib. & Info. Asst. (SG-II)
2. Sh. Hem Singh Shekhawat	-	Sr. Superintendent
3. Sh. Jayesh Agarwal	-	Assistant (SG-II)
4. Sh. Ram Pramod Pareek	-	Sr. Work Assistant
5. Sh. Birendra Kumar Pandey	-	Sr. Work Assistant
6. Sh. Ashish Bairwa	-	Sr. Assistant
7. Ms. Harshita Baranwal	-	Work Assistant
8. Sh. Mukesh Kumahar	-	Jr. Assistant
9. Sh. Roshan Singh Rawat	-	Jr. Assistant
10. Sh. Sahil Khan	-	Jr. Assistant
11. Sh. Phool Singh	-	Attendant (SG-I)
12. Smt. Ratan Kanwar	-	Attendant (SG-I)
13. Sh. Sanju Sharma	-	Sr. Attendant
14. Sh. Bhola Nath Sharma	-	Attendant (SG-II)
15. Sh. Ashok	-	Sr. Attendant
16. Sh. Deepak Jethoo	-	Lab Attendant
17. Sh. Sarjeet Mahala	-	Lab Attendant

Equipments, Library Automation and Computerization:

- 1. Library Database on KOHA (Library Management Software)
- 2. RFID System for Smart Circulation with Gate Antenna
- 3. Smart Card Technology
- 4. Self-check-in check-out Kiosk

^{*}Sh. Deep Singh retired on 30/06/2021.



Holdings from 01/04/2021 to 31/03/2022:

S.	Particula	rs	As on	Added	As on	Withdrawn	Available
No.			31/03/2021	During	01/04/2022		Holding
				2021-22			
1.	Library	Print Books	89,783	110	89,893		*89,893
		e-Books	3,264	287	3,551	-	3,551
2.	Back Vol	umes	13,580	-	13,591	-	13,591
3.	BIS Code	es	12,498	-	12,500	-	12,500
4.	Book Ban	ık (Gen.)	58,416	29	58,445	-	*58,445
5.	Book Ban	ık (SC/ST)	19,022	-	-	-	*19,022
6.	CBIP Pub	lications	531	-	-	-	531
7.	CD ROM	s Databases+	846	-	-	-	846
	LRs (on different						
	Subjects)						
Total h	oldings ava	ilable					1,98,379
* Physi	* Physical verification was conducted years ago, and the final report is to be submitted.						

Electronic/Online Resources & Databases:

Online Journalsunder e- Shodh Sindhu Consortium & subscribed by MNIT Jaipur

S. No.	Particulars	URLS
1.	ACM Digital Library	https://dl.acm.org/
2.	American Institute of Physics	https://aip.scitation.org/
3.	ASCE Journals Online	https://ascelibrary.org/
4.	ASME Journals Online	https://asmedigitalcollection.asme.org/
5.	Economic & Political Weekly	https://www.epw.in/
6.	Emerald	https://www.emerald.com/insight/
7.	IEEE Electronic Library (IEL) Online	https://ieeexplore.ieee.org/Xplore/home.jsp
8.	JGate Plus (JCCC)	https://jgateplus.com/search/
9.	JSTOR	https://www.jstor.org/
10.	Oxford University Press eSS Collection-262 titles	https://academic.oup.com/journals/?login=true
11.	Sage	https://journals.sagepub.com/
12.	Science Direct	https://www.sciencedirect.com/
13.	Springer Link	https://link.springer.com/
14.	Taylor and Francis	https://www.tandfonline.com/



E-Databases:

S. No.	Particulars	URLS	
1.	Bloomsbury Architecture Library	https://www.bloomsburyarchitecturelibrary.com/	
2.	CMIE ProwessIQ	https://prowessiq.cmie.com/	
3.	CRIS INFAC Industrial	https://www.crisilresearch.com/#/	
<i>J</i> .	Information (CRISIL)	https://www.cirsinesearch.com/#/	
4.	Institute for Studies in Industrial	https://isid.org.in/ or http://115.241.39.178/Online	
_ -	Development (ISID) Database		
5.	MathSciNet	https://mathscinet.ams.org/mathscinet	
6.	Online Standards Portal	https://standards.bsb.co.in/home.aspx	
7.	Scopus	https://www.scopus.com/search/form.uri?display=basic#basic	
8.	Web of Science Lease Access (20	https://www.webofscience.com/wos/woscc/basic-search	
o.	years back files)	https://www.weborscience.com/wos/wosee/basic-search	
9.	Access Science (McGraw Hill)	https://www.accessscience.com/	

E-Tools:

S. No.	Particulars	URLS	
1.	Grammarly	https://www.grammarly.com/edu	
2.	Turnitin	https://www.turnitin.com/	
3.	EBSCO Discovery Search	https://eds.s.ebscohost.com/eds/search/basic?vid=0&sid=9ea7	
	Tool	788d-5754-485e-90b4-b407386cb4ad%40redis	
4.	Open Athens	https://my.openathens.net/	

Services and Facilities:

S. No	Library Services
1.	Online Public Access Services (OPAC) through LMS-Koha
2.	Issue of books (Main Library)
3.	Self Issue Return Facility through RFID
4.	Video Viewing Services.
5.	IDR (Institutional Digital Repository) facility
6.	Similarity Check Services.
7.	Academic Writing Services.
8.	Remote Access to e-resources.
9.	Book Bank facility
10.	CD-ROM Databases.
11.	Reprographic Services (Photocopy Services).

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12.	Periodicals Services.
13.	Internet facility (LAN & Wi-Fi).
14.	J-Gate Plus Service.
15.	Inter Library Loan (ILL) Services through DELNET
16.	Reference Services.
17.	BIS and IRC Codes.
18.	Attending Users' queries.
19.	Display of New Arrivals. Display of Important notices/pamphlets etc.
20.	Services to outside members.
21.	Orientation Programs for newly admitted students of U.G. & P.G.
22.	Conference Hall facility like Seminar, Workshop etc.

Other Activities Carried Out:

S. No.	Particulars	No's
1.	Training Sessions (e-Resources, e-Tools etc.)	24
2.	User Orientation Programs (UG, PG & Research Scholars)	33
3.	Days Celebration:	
	i) Constitution Day celebration and unveiling of the	
	preamble and copy of the Indian constitution on 26 th	
	November 2021	04
	ii) Malaviya Jayanti: 27 th December 2021	
	iii) Vishwa Hindi Diwas: 10 th January 2022	
	iv) International Women's Day 8th March 2022	

9.4 LABORATORIES

In addition to Central Workshop and Central Computer Centre, each department has laboratories in their specific areas of specialization. These laboratories are being used for conducting experiments for

B.Tech and M. Tech. students for their regular coursework and also for research purposes. A few more laboratories have also been created to cater to the needs of research scholars. These laboratories provide facilities for research and are being used by faculty, Ph.D. and M.Tech. Students.

National Level Laboratories are also established in MNIT, Jaipur.



9.5 PHYSICAL FACILITIES

The Campus of the Institute is spread over an area of 125.04 hectares. It presents a spectacle of harmony in modern architecture, natural beauty and picturesque surroundings. The campus area has been organized into four functional sectors:

- Instructional Buildings/ Vivekananda Lecture Complex
- 2. Ultra-modern Corporate Office
- 3. Residential Area for the Faculty & Staff
- 4. Hostels for Students

The instructional buildings and Vivekananda Lecture Complex have been so located that these are fairly near to both the hostels and the staff quarters. Vivekananda Lecture Complex has a 34,360 square meters covered area and has been built at an expenditure of Rs 80 crores. The building is centrally air-conditioned with 43 theatres with a seating capacity of 120 people and 6 theatres with a seating capacity of 240 people. These classrooms are smart classrooms and are equipped with all needful systems. As a commitment towards green buildings, solar panels are being put up on almost all Institute buildings to generate electricity.

There is a branch of ICICI Bank Ltd. and SBI on the premises and a Post-office on the campus. The ICICI Bank has installed an ATM on the campus.

An ultra-modern Corporate Office and Computer Centre have been developed and a Digital Library is being developed, having a carpet area of 20,000 square meters, for the students and faculty members of the institute. The building house the entire Administrative and Accounts Section, Establishment and Academic Staff office, Director's office, Deans' office, Registrar's office, Training & Placement office with banking and post office services.

A team of Medical Officers and two Compounders supervise a full-fledged dispensary. The Institute has also been extending the facility of a Part-time Homeopathic doctor, an Ayurvedic doctor and a Lady Doctor on the campus. Adequately equipped Canteens building, one near the instructional zone and one near the hostel provide facilities to the students and the staff during and beyond the working hours of the college. There is a milk booth on the campus, a barber's shop, a washerman, a stationery shop and a government cooperative store to provide amenities to the residents.

9.6 GAMES AND SPORTS FACILITIES

Existing Infrastructure and their utilizations

Outdoor Games/ Sports facility

- 1. Basketball (Two Courts with flood lights and 2000 seating capacity)
- 2. Volleyball (Three Courts with flood lights)
- 3. Tennis (Three Synthetic Courts of International Standard with flood lights)
- 4. Cricket (Two cemented pitches and Two turf cricket pitches)
- 5. Football (Two Courts)
- 6. Athletic Ground(track & field) with flood lights
- 7. Kabaddi

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Outdoor Games

- Basketball (Two Courts with flood lights): There are two Basketball courts and their structure follows the FIBA (Federation International Basketball Association) standard with sufficient space around it. There are stairs on one side of the court for watching matches.
- Volleyball (Three Courts with flood lights): There are three Volleyball courts available according
 to the FIVB (Federation International De Volleyball) standard with sufficient space around. There is
 sufficient space for watching matches.
- Tennis (Three Courts with flood lights): The Institute is preparing 03 Synthetic courts with flood lights.
- 4. Cricket (Two cemented pitches for practice and one cricket pitch): There is a common playfield for Cricket and Athletics with sufficient space around. There are stairs on one side of the field for watching cricket matches.
- 5. **Football (Two Fields):** There is a common playfield where two green Football fields are available according to the FIFA standard with sufficient space around. There are stairs on one side of the field for watching matches.
- 6. Athletics: (Track & field): There is a common playfield where the Track and Field are prepared before any tournament with sufficient space around. There are stairs on one side of the field for watching athletic performances.
- 7. Kabaddi: Kabaddi was a traditional game of India and famous in rural villages in India now it has been played in cities and now it is becoming a professional competitive game. Kabaddi is being played in the playfield.

Indoor Games and Sports facility

- 1. Badminton (Two Synthetic Courts)
- 2. Billiard (One Table)
- 3. Table Tennis Hall and table tennis facilities in all hostels
- 4. Gymnasium
- 5. Chess
- 6. Yoga



Indoor Games

- 1. **Badminton (Two Courts):** There are two covered badminton courts according to the BWF standard with sufficient space around them. There is sufficient space for watching badminton matches.
- 2. Table Tennis: A new Table Tennis hall has been constructed during the COVID-19 pandemic, in which there is a provision of 04 table tennis tables and it is of national standard with floodlights.
- **3.** Chess: There is no permanent Chess facility in the institute. Temporarily, it is being played in the badminton Hall and Basketball Stadium.
- 4. Billiard (One Table): There is one standard-size billiards table with all necessary accessories.
- 5. **Gymnasium Hall:** There is a standard Gymnasium Hall in the Institute. Gymnasium equipment is in the process of purchase. The Institute team has been winning in several tournaments for Power Lifting and Best Physique.
- 6. Yoga: yoga is a system of exercises for the body that involves breath control and helps relax both mind and body. Yoga is first mentioned in the Rigveda and is referred to in a number of Upanishads. In the present scenario, yoga is the most popular activity to fight modern diseases like COVID-19

ProposedAddition:

- 1. Leveling of the surface is about to begin soon for the proposed new cricket ground.
- 2. 04 new badminton courts are in progress.
- 3. A New Athletics ground is in progress.

Utilization:

All sports grounds (in morning and evening hours) remain occupied by the students, staff awards and the staff of the institute for games and exercises.

1. Proposed Addition:

There are more than 6500 students on a roll on the campus. Students, staff and their family members participate in the sporting activities. In fact, MNIT Jaipur needs the following Sports infrastructure to cater to & fulfill the mission of FIT INDIA MOVEMENT (GOI). At present, the Institute needs more facilities and urgent action is needed.



S.No.	Game/Sports Facilities	Remarks	
1.	Indoor Sports Complex	There is no indoor Sports Complex which is of utmost need for all indoor games. Students find it difficult to play during	
		their leisure hours.	
2.	Athletic Track & Field	There is no separate Athletics Track and Field in this institute	
	(400 mts with08 lanes)	since its inception in 1964. Students face constraints during practice.	
3.	Centre for Sports Science &	Centre for Sports Science & Fitness Studies is needed for	
	Fitness Study Centre	the development of the Health and Fitness of all students	
		and staff members & for compliance to FIT INDIA	
		MOVEMENT GoI	
		Notifications.	
4.	Cricket	There is a separate Cricket ground for practice	
		and Tournament	
		Requirements: 02 more fields with Turf Wicket	
5.	HockeyField	There are no separate Hockey Fields	
		Requirements: Oilfields	
6.	Kabaddi	There is no Kabaddi Court available Requirements: 02	
		Indoor Matcourts & 04 Outdoor Courts	
7.	Kho-Kho	There is no Kho Kho Field for practice and Tournaments. It	
		is one of the listed Games in All India inter NIT Sports	
		Tournaments.	
		Requirements: 02courts	
8.	Handball	There is no Handball Courts for practice and Tournaments.It	
		is one of the listed Games in All India inter NIT Sports	
		Tournaments.	
		Requirements:02 courts	
9.	Squash	There is no Squash Court	
		Requirements:04 Courts	
10.	Yoga Hall (Indoor)	There is a requirement of a Yoga Hall	
		Requirement:01(40X60Sq.ft)	
11.	Chess Hall	There is no Chess Hall for practice and Matches	
		Requirements:30 Board tables with furniture	



2. Participation of Students in Sports tournaments:

Students and staff members of the Institute have been excelling in various Sports tournaments for last few decades. But, due to the Covid-19 lockdown, no tournaments were organized in and around.

3. Sports activities organized by the institute

Institute is organizers many sports tournaments throughout the year for students and Staff members. Following are some of the major Sports Tournaments worth mentioning:

S.No.	Activities/Tournaments	Game/Sports	Performance/Results
1.	Chess Tournaments	Chess	Organized for Students,
	(25th May 2021)	Tournament	Staff and their family
		(Online virtual)	members
	Dr. Subir Debnath organised	Fitness	One Week Workshop
2.	Fitness Workshop (Online) for	Workshop	More than 350 students,
	students of B. Tech 1stYear and		Staff and their family
	Faculty members		members attended
	(31.05.2021—05.06.2021)		
	Dr.Subir Debnath organised	International	Students, Staff and
3.	International Yottoday (Online)	Yoga Day	their family members
	for the institute (21.06.2021)		attended

9.7 OTHER FACILITIES LIKE, HOSTELS, MESSES, STAFF QUARTERS, ADMINISTRATION ETC.

The capacity of hostel for boys and Girls are as under:-

Position of Hostels Rooms (Boys & Girls)

S.No.	Name of the Hostel	Total Capacity	Room Occupancy
1.	H1-PARIJAT	177	177
2.	H2-CHAITANYA	169	169



3.	H3-SATPURA	180	180
4.	H4-LOHIT	140	140
5.	H5-BRIHASPATI	182	182
6.	H6-KABIR	180	180
7.	H7-DRONA	225	225
8.	H8-VARUN	212	212
9.	H9-AUROBINDO	975	950
10.	H10-PG HOSTEL	16	16
11.	H11-MAITRI	206	206
12.	H12-GARGI	402	402
13.	VINODANI	884	880
14.	ACHARYA BHAWAN	500	480
	Total		4399

During the session July every year occupancy of hostel is 100%

1. MANAGEMENT OF HOSTEL

Caretakers are responsible for catering to the students. They are supposed to give possession of the rooms and prepare vacation reports. It is the duty of caretakers to maintain the complaint register, electricity, civil, door, bathroom, cleaning, water, water cooler, Networking, glass etc, report to the concerned authority and pursue & monitor complaints.

- A faculty member of MNIT shall be appointed as warder of the hostel on the recommendation of the Chief Warden and with the approval of the Director, MNIT
- Wardens are the local guardians of the students and are responsible for their moral, mental and physical well-being.
- Warden shall run the hostel. He/she will look after the general administration of the hostel



- Warden shall appoint a committee amongst students i.e mess committee, reading room committee or another committee as required
- The warden shall supervise the working of the concerned mess under the guidance of the Chief Warden and shall see that rules and procedures are strictly observed in the mess and hostel.
- If any matter of indiscipline is reported by the caretaker or it comes to his/ her knowledge sumo moto, he/she will refer the case to a standing disciplinary committee with the approval of the chief warden.
- The list of wardens attached to the hostel is as above.
- Chief Warden- A faculty member of MNIT is appointed as Chief warden by the Director of MNIT
- The hostels and messes shall function under the supervision and administrative control
 of the chief warden. All the wardens will act under the supervision and direction of the
 Chief Warden.
- The Chief Warden shall appoint various committees of the council of wardens i.e. standing disciplinary committee, procurement, Reading Room, Indoor sports and constructive engagement, discipline and anti-ragging, open area, upkeep, plantation and lands scraping, maintenance, estate matters and water management, allotment of rooms in hostels & website.
- The policy framework/ decisions regards hostels shall be decided by the Chief Warden with the concurrence of the council of the warden.
- The decisions of the chief warden and wardens in their respective jurisdiction shall be final
- **2. Allotment of Rooms:** Rooms will be allotted by the hostel office as per the policy for the allotment of rooms as decided by the Chief Warden and Council of Wardens. The policy of allotment of rooms in the hostel is as under:-

After allotment of rooms in the hostel student will report to the caretaker who will maintain his/her record and after seeing challan will give the possession of the room in the hostel after signing inventory of the furniture, electrical and other items in the room. Any student withdrawing from the hostel will hand over possession of the room and clear all dues.

3. Policy regarding Anti-Ragging

In the MNIT cases of ragging is zero tolerance. A team of Council of Wardens and caretakers are constituted which will take up the round of hostels and hostel area. The teams will work from 06.00 P.M. to 12.00 night.

4. New Hostel

Hostel Namely Vinodini was handed over in January 2019 in which students (Boys) of NIT UK (496), IIIT Kota(80) and M.Tech(104) are residing. There is also a Mess operated by a Private Vendor.



5. Mess Management

There are four messes No. 1, 6, 7&8 and students of hostel No. PG, Hostels No.1 to 8 are attached for dining arrangements in these messes. The boarders shall compulsorily join the mess attached to it. Mess committed as constituted by the wardens amongst students shall manage affairs of mess. There shall be a committee of a secretary assistant secretary, treasurer and two members. The mess committee shall decide on the mess menu with the consultation of the mess assistant and warden. Mess Secretary is responsible to check the raw- material and will sign each bill voucher for payment.

Mess diet shall be calculated on the basis of monthly consumption in the mess. The mess at Aurobindo and Gargi is operated by private vendors. They are also managed by the Mess Committee i.e. preparation of menu signing of mess bills

6. Other Facilities

- 1. There is one common room for each hostel, having the facility of a LED TV, and one Table Tennis table.
- 2. We have installed Video surveillance, DVR & accessories at Aurobindo hostel& Gargi hostel entry point &MSH for the safety and security of the hostel.
- 3. We have provided a set of 3 mechanized cleaning machines at Gargi, Aurobindo and Varun Hostels for proper cleaning of the hostels.
- 4. We have replaced old furniture i.e. bed, table and chair in Hostel No. 1 to 3 by providing the furniture of Godrej.
- 5. Biometric Machines are installed in messes No. 1,6,7 & 8 for recording the attendance of mess workers.
- 6. There are facilities of the canteen at Gargi, Aurobindo and Hostel No. 4 which are being operated by Private vendors.
- 7. We have adopted the ERP module. We are generating must roll i.e. salary preparation, leave, EPF etc. of mess works. Students wise be able to monitor the status of the mess account, Calculation of mess diet, analysis and posting of vouchers etc.
- 8. We have provided indoor and outdoor facilities in all the hostels. Similarly, reading room facilities with newspapers & magazines have also been provided in all hostels.
- 9. We have provided 04 fox bathrooms/ toilets and mechanized machines for hostel No. 1 to 7
- 10. We have developed a beautiful garden and trees in Aurobindo hostel
- 11. Every hostel has a water cooler & water purifier, this facility is also available in messes.
- 12. Every hostel have gysers in the bathroom for hot water during the winter sessions.
- 13. The account of the hostel office are maintained on ERP by a firm of Chartered Accountants. M/s M. Raghumathan& Associates, Chartered Accountant is authorized to audit the account of MNIT, Mess fund.
- 14. CCTV Cameras have been installed in all hostels and Mess No.1,6,7,&8.



- 15. Biometric machines at Mess No.1,6,7 & 8 have been installed for recording the attendance of Students.
- 16. Dish Washer has been installed in Mess No.8 and in Mess No.1,6,7 shall be taken up next semester.
- 17. New S.S. furniture for mess No.8 has been procured.
- 7. Medical Facility There is one dispensary on the MNIT premises which opens from 08 A.M. to 08 P.M. There is a team of Doctors and nursing staff available for the staff and students. During anti- ragging period, one ambulance is available at the hostel office and one available at the call for the students. After night one driver with an ambulance is available for any emergency of the students. In each hostel the name of the driver along with his mobile No. is available. In case any medicines required by the dispensary for the treatment of students are being made available to the dispensary from the MNIT Mess fund. Account facility for the ambulance is available to account for the resident of the hostel without any charges. In case of any emergency during late night hours, the border can take the ambulance to any hospital.

Staff Quarters

The details of Staff quarters are as follows:

S. No.	Туре	Nos.
1.	Aacharya Bhawan	198
2.	A	01
3.	В	17
4.	С	20
5.	D	78
6.	ВН	8
7.	WWH	12
8.	F	66
9.	Н	52



10. NOTABLE ACHIEVEMENTS

10.1 RESEARCH & CONSULTANCY

NIRF RANKINGS 2021

MNIT Jaipur has been ranked 37 in the latest NIRF India Rankings of 2021. and the second-best Engineering Institute in Rajasthan. Among all 31 NITS in India, overall, we rank 8. However, in Teaching, Learning and Resources we are the second best among all NITS and 5th best in terms of Research and Professional Practice. With committed faculty, staff and students, we have been able to improve the rank has improved from 73 to 37 over past five years. Almost all departments actively utilized the lockdown period and besides conducting online classes and exams, organized more than one hundred programs including webinars, FDPs, invited talks, seminars, and conferences.

Research and Consultancy

The Institute has forged ahead with its commitment to quality research and consultancy, despite the challenges the pandemic brought in its wake. Thirty-three new Sponsored Research Projects have been sanctioned since the last Convocation, the total value of which stands at 13.84 Crores. The number of Consultancy Projects awarded since the last Convocation is 178, the total value being 4.82 Crores from prestigious funding agencies such as DST, DST-SERB, DST-FIST, UGC, TEQIP-III, ICSSR. The institute is consistently contributing towards the National Innovation Mission. Faculty members have been awarded with 12 patents for their innovations, and many more are in the process. Five faculty members and 21 students have also initiated their Start-ups that are being incubated at the Incubation Centre of the Institute.

Collaborations with Indian and Foreign Institutes/ Industry / R&D Organizations

MNIT Jaipur has constantly strived to create linkages with industry and other education and research institutions at national and international levels. These linkages certainly help the students and faculty in their research and academics while also broadening their horizons of learning and expenence. Some of the prominent international collaborations that MNIT Jaipur is currently in include Coventry University, United Kingdom, University of Saskatchewan, Saskatoon, Canada, Siberian Federal University (Krasnoyarsk, Russian Federation), Faculty of Science and Technology, Umea University' Sweden, University Technology Malaysia (UTM), Malaysia, Perm State National Research University (PGNIU) Russain Federation, Graduate School of Engineering, Hiroshima University, Japan for Academic and Educational Exchange Agreement, Leibniz-Institute for Polymer for Schung Dresden, Germany, University of Calgary, Lassonde, York University, Institute Poly technique de Bordeaux, France, Jeonbuk National University (JBNU), South Korea and Ostbayerische Technische Hochschule Amberg-Weiden (0TH AW), Germany under Indo German Applied Science Collaboration Infrastructure Development by UGC-DAAD, Brookhaven National Laboratory (BNL), USA. Some of the recent collaborations MNIT Jaipur has entered into include Central Manufacturing Technology Institute, Bangalore, Spack Automotive Pvt Ltd, Greater Noida, Noida and 100 Cofounders Lab, Jaipur, Rajasthan, India Four new GIAN courses and two new SPARK projects have also been sanctioned to our faculty members strengthening our international collaborations.



CENTRES OF EXCELLENCE

ISRO- Regional Academic Centre for Space ISRO-MNIT Regional Academic Center for Space (RAC-S) was established at MNIT Jaipur following signing of a MoU between ISRO, Bengaluru and MNIT Jaipur on February 5, 2019. There are only three other such RAC-S in the whole country. An annual grant of Rs. 200 lakhs for every single financial year as approved by a Joint Policy and Management Committee of ISRO and MNIT. Against the first call for projects, the ISRO-MNIT RAC-S received 50 proposals from 12 member institutes and 22 were shortlisted. These 22 proposals were evaluated by ISRO for their usability and it is laudable that 4 projects, all from MNIT Jaipur, have been selected in the fields of composite materials, super capacitors and related areas.

Material Research Centre

The research and testing facilities at the MRC have been augmented by addition of a new

software ABAQUS for simulation of materials properties and a High-Temperature Dielectric Measurement and Rotating Disc Electrode system, which are now available to all faculty members and researchers. MRC also organized in 2020 the 4th International Conference on Soft Materials (ICSM 2020) in online mode with 180 participants from 16 countries. It also proudly hosted an online talk on 4th April 2021 by Prof. Ada Yonath (Noble Prize Winner 2009) on "Next Generation Antibiotics". The MRC, MNIT Jaipur also signed a MoU with Jeonbuk National University (JBNU), South Korea for collaborative research work on gas sensors.

National Centre for Disaster Mitigation and Management

The "National Earthquake Test Facility", is meant for full-scale testing of buildings up to three stories, testing of bridge piers up to 10-meter height, and other similar sized structural system, under, Pseudo-dynamic and quasi-static load condition is ready for commissioning. Besides that, the facility has India's first and largest Seismic Isolation Test Rig.

Centre for Energy and Environment

Centre for Energy and Environment has been awarded with 10 research grants having a cumulative worth of INR 4.7 Crores. The Centre organized five international conferences/workshops utilizing funding from DST, AICTE, NIWE. The Centre for Energy and Environment has active collaborations with international institutes Ostbayerische Technische Hochschule AmbergWeiden (0TH AW), Germany under Indo-German Applied Science Collaboration Infrastructure Development by UGC-DAAD.

MNIT Innovation and Incubation Centre

MIIC is a Technology Business Incubator (TBI) sponsored by DST Gol, New Delhi established in December 2016. The present footprint of total registered Start-ups with MIIC is 96. Six of MIIC start-ups have received funding from government agencies, angel investors and other private funding bodies. MIIC incubates were one of the first-to-respond in undertaking research and development activities to combat the COVID-2019 situation and providing apt solutions for them. Eight of MIIC incubates developed and provided need based products/service solutions like Public Addressing and Surveillance Drone, Sample Collection Chamber/Covered OPD cabin for frontline warriors, UV Based Sanitizing Box, 3-D printed whole face screen. MIIC till date has



signed 13 Mot-Is with government and non-government organisations prominent among them are 11M Udaipur Incubation Centre, MSME, Department of Information Technology and Communication, Govt. of Rajasthan, Indian Institute of Gems and Jewellery (IIGJ) Jaipur, Jaipur.

EICT Academy

EICT Academy at MNIT Jaipur was established as a Centre of Excellence by the Ministry of Electronics & IT, Government of India. Till date, the Academy has trained over 14,000 participants. In last year alone, through twenty programs, the Academy was able to train 2900 participants, out ofwhich approximately 2200 were faculty from all over the country.

The academy has recently collaborated with two EdTech companies to float programs for industry professionals with experts from industries such as, Intel, Microsoft, Texas Instruments, CDAC, IBM, Siemens USA, Samsung Research Lab, Western Digital, Intel, Nvidia, UniConverge, SCI., DRDO, RiverValley, Quacquarelli Symonds Inc. (QS), ISI Kolkata, FiTT 11T Delhi, IESA, etc.

ICT Centre and Campus Wide Networking

The CWN wing of the ICT centre is currently involved in upgrading the existing internet services from 2 Gbps to 3.5 Gbps. The procurement of 102 new access switches has successfully been completed. The installation of the advanced optical fiber network GPON is currently in progress for the residential area.

The ICT centre is equipped with a modern and high-end Data Centre. It employs an advanced smart rack solution which has some of the latest monitoring and control systems for maintaining the appropriate environment for the existing computing infrastructure. The total current computing infrastructure amounts to 528 physical cores, 7 TB RAM and 100 TB storage space. The datacentre also houses MNIT Private Cloud using VMware V Cloud Suite installed on Blade Server and core network switches with 2 Gbps lease lines for internet connectivity. The open-source technology OpenStack for this private cloud has been successfully installed orienting the ICT centre towards its greater objective of complete reliance on open-source platforms for its computing needs.

INFRASTRUCTURE DEVELOPMENT

Multiple infrastructural development projects were undertaken at MN IT Jaipur in the last year to augment the existing facilities and add new ones. Some ofthe major projects include: Construction ofmultistoried residential block (Aacharya Bhawan): The construction work of 198 multistoried residential flats in 7 blocks is now complete and has been handed over by CPWD.

Shopping Complex

The campus is spread over 325 acres of land, having 15 students' hostels that house above 4000+ students. Additionally, there are more than 300 quarters in this campus but there was no shop to meet our day-to-day requirements. A shopping complex consisting of seven shops has now been added to facilitate staffand students. Earthquake Engineering Laboratory. The construction work of Earthquake Engineering Laboratory, undertaken by CPWD, has been completed. Commissioned 33/11 kV 9.5 MVA substation One 33/11 kV 9.5 NAVA



substation has been constructed and commissioned to cater to the increased load demand of the campus. The substation ensures increased reliability of electric supply to the Institute.

20-bed Primary Health Centre

The existing old dispensary building has been upgraded to a 20-bed Hospital to enhance primary health facilities in the Institute.

Badminton Courts

The construction four pre-engineered steel structure badminton courts, two courts generously sponsored by the 1994 alumni batch and two courts via Institute's support while keeping in view the present status of students and staff. is under way.

Table Tennis Hall near Aurobindo Hostel

An indoor tennis court has been constructed using pre-engineered steel structure near the Aurobindo Hostel that accommodates four tables.

Waste To Resource and Sustainable Construction Lab

Waste to Resource and Sustainable Construction Lab being constructed, planned in the Civil Engineering Department with the aim of utilizing building waste material into interlocking tiles, paver blocks, etc. besides focusing on research practices in the field.

Solar Pathway

The students move from hostels to academic area at least four times a day. In order to protect the students from extreme summer, a covered pathway from VI-TC to Aurobindo hostel has been constructed. The pathway is planned to install 200 kWp roof top Solar PV system having an expected annual energy generation of about 3.6 lac units.

VLTC Car Parking

A much-required parking area towards the south of VLTC has been constructed that can accommodate about 50 cars. The parking is planned to install 150 kWp Solar PV system which can generate about 2 lac units per annum.

Treated water pipe line from Jaipur Saras Dairy to MNIT Jaipur Saras Dairy has offered to give MNIT Jaipur I MLD treated water, work for which has already begun. The treated water will be exclusively used to match enhanced horticultural practices being conducted in the campus.

Two boys' Hostels

Construction of two boys' hostels has recently been sanctioned, the capacity of which will be around 1200 seats (600 seats each). The Institute has applied for environmental clearance after which the construction activity will be begun.



CENTRALIZED ADMISSIONS TO P.G. PROGRAMS

Centralized Counselling for M.Tech./M.Arch./M.Plan. (CCMT) and Centralized Counselling for M.Sc./M.Sc.(Tech.) (CCMN) were successfully conducted by MNIT Jaipur for admission to P.G. programs in 52 institutes (31 NITS, 9 IIITs, and 12 other government funded institutes) for the academic year 2020 -21. This year, the document uploading, verification, and reporting was done completely online for the first time in view of the Covid-19 pandemic. Three regular rounds followed by two special rounds were conducted for maximum filling of the seats (12512 in CCMT and 1849 in CCMN). An average of 80.5% seats (84.2% in NITS) were filled through CCMT and 80.8% seats (83% in NITS) through CCMN in the participating institutes. With a successful track record of handling the centralized counselling in previous years, the Ministry of Education has entrusted yet again the responsibility of centralized counselling for CCMT, CCMN, DASA, and CSAB to MNIT Jaipur for the admission in the academic year 2021-22.

CONFERENCES / WORKSHOPS / STTP / FDP

Over 90 Workshops / STTP / FDP programs and 8 international conferences were conducted at MNIT Jaipur since the last the Convocation. The varied themes of these programs included Sustainability, Organometallic Chemistry, City Planning and Spatial Techniques, Analytical techniques in Urban planning, Green Technology Cleaner Technology, Environment Engineering, Water Treatment, Road Safety, Transportation Geotechnics, Research Methods, Data Analytics, Ability Enhancement, EHEP and its applications. Multiple experts and luminaries from various walks of society and from all across the globe shared their intellect, experiences and wisdom in these programs.

Almost all Academic departments and units organized curriculum development workshops to further develop their programs as per the current trends or to launch new courses. A new PG. program in Humanities and Social Sciences, Masters in Public Policy and Development, was approved.

TEQIP-III

TEQIP III MNIT Jaipur organized several activities such as student industrial tours, instituteindustry interaction, career counseling sessions by industry personals, alumni-students ' interactive sessions, and GATE 2021 examination support, to enumerate a few. Moreover, career counselling to students for UPSC and civil services was provided through newly Selected MNIT alumni RAS officers. A total of 1643 students including U. G., PG., and Ph.D. were directly benefited from TEQIP-III to present their research activities, present and participate in conferences across India. 16 student research projects were supported by TEQIP III MNIT Jaipur to purchase components and to showcase their work. MoE and TEQIP-III MNIT Jaipur has organized GATE classes and their remedial classes, considering NPIU's mandate on increase of the transition rate. During the pandemic, the MNIT Jaipur adopted virtual teaching methods, and conducted examinations through various online platforms. To support these activities, TEQIP-III MNIT Jaipur conducted training program "Initiative of Digital Education for MNIT faculty". In addition to this, a demonstration session on how to use "virtual labs" was also organized. TEQIP-III MNIT Jaipur motivated students and faculty to enroll in various NPTEL, Coursera and edX online MOOC courses. A total of 109 faculty members and 3416 students enrolled in these courses.

Forty-nine minor projects were sanctioned to the newly inducted faculty members across departments to support their research work effectively. In addition to this, 132 new desktop computers and 105 printers were provided



to various departments for the newly inducted faculty members and to augment the lab facilities. 161 faculty members were supported to attend the conferences/ workshops/ training programs and 242 programs (Workshop, STC/STTP/STP/Training program, Induction Program, Expert lectures, Conferences etc.) were sponsored under TEQIP Phase-Ill. Recently, TEQIP-Ill's third performance audit was conducted from 15th—17th February, 2021. Auditors have evaluated the performance considering various parameters and MNIT Jaipur scored 1.12 grade among all institutes. MNIT Jaipur stands 3rd among all NITS and 10th among all institutes across India in the performance audit.

Visvesvaraya PhD Scheme for ESDM&IT

This full-time fellowship, granted in 2014 by the Ministry of Electronics & IT initiated grant of PhD fellowships to 11Ts/NITs/IIITs/Central-Universities, is prestigious and carries per month fellowship, which is 25% more than the regular Ministry of Education fellowship. It also carries a generous support for conference travel, as well as other contingent expenses. The part time fellowship entails grant of lump sum of Rs. 2.5 lacs upon completion of PhD The scheme envisages Laboratory grant also for the departments/institute hosting Visvesvaraya PhD to the tune of45 Lacs. The Visvesvaraya PhD candidates are currently hosted by three departments - Electronics and Communication Engineering, Computer Science and Engineering, and Electrical Engineering. Till date, MNIT Jaipur has received support for 19 full -time PhD fellowships and 43 part-time fellowships. And within five years, eight full time candidates have either received their PhD degree or submitted their theses.

PLACEMENTS

For Academic year 2020-21, 170 companies visited the campus and selected 526 (416 U.G. and 110 PG.) students. The highest package offered was Rs. 38.00 LPA and 65 students received PrePlacement Offer (PPOs). Median package of the placed students (B. Tech.) was Rs. 7.00 1-PA. 162 students were offered Internships. For Academic year 2020-21, I I O companies visited the campus till 31st March 2021 and selected o 388 (316 U.G. and 72 PG.) students. 139 students have been offered internships till now by companies like Apple, Adobe, Arcesium, Deutsche Bank, Salesforce, De Shaw, Goldman Sachs, Amazon etc. with a stipend of above Rs. 50000 per month. Some of the major industry leaders such as Bajaj Auto, JP Morgan, Deloitte, L&T Limited, Reliance, Samsung, Oracle, HSBC, Accenture, Tata Motors, Maruti Suzuki etc. also visited the campus and offered placements. Flipkart, De Shaw, Arcesium, Apple, Salesforce, Walmart, Texas Instruments, Deuts che Bank, Goldman Sachs, Amazon have offered a pay package of above Rs 15 Lakh.

STUDENT ACTIVITIES & ACHIEVEMENTS

Multiple activities were conducted at MNIT Jaipur to engage with students despite the limitations imposed due to Covid - 19 pandemic. Rajasthan's biggest cultural fest, Blitzschlag'20 was organised from 6th - 8th February, 2020 which was host to a plethora of cultural events, challenging competitions, and a myriad of events that enthralled participants and audiences alike. The Film and Photography Club organized a Campus Walk cum Photography competition. The Technical Society MNIT organized Bridge-O-Mania - a bridge design contest. An Astro Quiz Competition was organized by the Technical Society. Fine Arts Society organized a Mask Painting Competition. The Sixth International Day of Yoga (IDY-2020) was celebrated by the members of the MNIT



family on 21 st June 2020. Keeping in mind the constraints due to ongoing pandemic, the event was centered on the theme of Yoga@home and Yoga with family. The All -India Radio Talk Show organised in MNIT Jaipur on I Ith February, 2020. This event was conducted as apart of Ministry of Education 's flagship program Ek Bharat Shresth Bharat (EBSB). MNIT Jaipur organized its Orientation Program from November 30th — December 2nd, 2020. A three-day-long event with multifold activities such as insightful lectures, amusing performances, and presentations were showcased. Freshers were acquainted with various societies, roles, and activities that they may participate in and begin their journey of adding continuously to their character and personality.

SPIC MACAY also organized a five -day workshop on one of the historic art forms, Tanjore Painting, for the students, faculty, staff members and their dependents. Taking cognizance of the significance of mental health in a student's life, a webinar on the "Development and Efficient Management of IQ, EQ and SQ and its relevance in the lives of students" was organized by the CACS on February 13th, 2021. The Dramatics Society organized Mojja Assam with the aim of enhancing interaction and promoting mutual understanding between people of different states and to carry out activities to promote cultural connect in areas of language learning, culture, tradition and music, and tourism. Other wings of CACS such as literary society, Film and Photography Club, Fine Arts Society also organized various events in this duration. Cashless and accident policy taken from United India Insurance Company Limited Jaipur under MOU for the enrolled students of the NINIT Jaipur. Dean (SW&AA) discussed with the UllC officials and agreed to incorporate help for the welfare of Students. An advance ofRs. 25 lacs for o insurance of 3400 (approximately) was paid. Centre for Energy and Environment Students, Mr. Sunil K. Sansaniwal, a research scholar at the was awarded Building Energy Efficiency Higher and Advanced Network (BHAVAN) Internship 2020, jointly funded and supported by Indo-US Science and Technology Forum (IUSSTF) and Department of Science and Technology, Gol. Ms. Archee Gupta, a M. Tech. (Renewable Energy) student has been awarded the prestigious POSOCO Power System Awards (PPSA)-2021 under the Master category. Mr. Vikas Saini, a research scholar secured 'Best Paper Award' at 2nd International Conference on Power, Energy, Control and Transmission Systems. The Energy Club under the Centre for Energy and Environment was honoured with the 1 Ith Rajasthan Energy Conservation Award (RECA-2020) for the efforts in Energy conservation, under the Energy Club Category, thus winning it six times consecutively and 7 times in all. MNIT-ISHRAE Student chapter was conferred the title of 'Model Student Chapter — 2021 ' for its efforts in conducting research and organizing events in the areas related to heating, ventilation and air-conditioning. Mr. Raj Gupta and Mr. Sarabh Tailor, both M.Tech. (Renewable Energy) students, were awarded 'ISHRAE Student Project Grant — ISPG Post Graduate' for their M. Tech. dissertation work.

Our students brought us honours in extra-curricular as well. The Dramatic Society with its team represented MNIT in the Nukkad Natak competition in the annual cultural event of Blithcharon 2020 held in 11T Gandhinagar on 1st February, 2020 and performed "HARD MASS OR KHOON" The magnificent performance resulted with our team securing the third position.

Our talented student team from the Dramatic Society represented MNIT in a Nukkad Natak competition held in the annual cultural fest of LNMIT held on 31st January 2020 and bagged the first position.

ACTIVITIES UNDER NATIONAL SERVICE SCHEME

National Service Scheme MNIT, Jaipur organized a two-day wall designing event in Chatra Pathshala, run by Sakhi Bal Niketan and Amar Seva Trust in Kunda Basti, Jhalana from 11 th — 12th January, 2020. A Voting Awareness Campaign on the occasion of National Voters Day on 25th January, 2020 was organized with the objective of encouraging, facilitating and maximizing the enrolment ofnew voters and participation ofthe active voters. The volunteers of National Service Scheme MNIT, Jaipur carried out a campaign for Elimination of Single-use Plastic on 2nd April, 2021.



SPORTS EVENTS

MNIT Jaipur successfully organized the 13th edition of the Annual Malaviya National Institute of Technology Sports Tournament (MST) from March 5th-7th, 2020. MNIT Jaipur also organized various other sports and fitness related events since last Convocation in January 2020. Some ofthe prominent events include - Fitness Workshops in the months of February and March 2021 and a Basketball Coaching camp for children in February 2021. Students from MNIT Jaipur participated in multiple inter-college sports tournaments and also brought laurels for the Institute by winning medals in various categories. MNIT Jaipur is proud that last year our students were the champions in Women Kabbadi and were runner's up in Men's

Basketball events at All India Inter NIT Sports Tournament at NIT Surathkal and won 1 Gold, 2 Silver and 3 Bronze medals in Athletics at the All India Inter NIT Sports Tournament at NIT Rourkela.

FACULTY AWARDS AND ACHIEVEMENTS

MNIT Jaipur has been committed to improve the Faculty-Student ratio, which is one of the key parameters of evaluation of educational institutions across the world. The more important reason for a recent push to improve on this parameter are the benefits it brings in terms of the teaching learning experiences of the students and in the research output of the Institute.

Despute the constraints imposed by the Covid / pandemic and were successfully conducted fresh rounds for faculty recruitment and 42 new members have joined the Academic fraternity of MINIT Jaipur since the last Convocation in January 2020. The process to further add to the faculty strength is ongoing.

Many faculty members excelled in their respective areas and were honored for their contributions at many platforms. Dr. Virendra Kumar Saharan from the Department of Chemical Engineering has received IEI Young Engineers Award 2020-2021 from The Institute of Engineers (India). Dr. Satish Kumar from Department ofManagement Studies was ranked 1st in India in the 2020 P-Rankings, which combine multiple international publication rankings and indexes, for his research publication output. Prof. Ghanshyam Singh from the Department of ECE has been elected to lead the OSA Technical Group: Optics in Digital Systems for the period 2022-2024. He has been nominated as Member, SPIE Scholarship Committee for the period 2021-2024. ProfVijay Janyani ofDepartment of ECE has been nominated as member of the Working Group on Electronics, Information & Communication Technology (EICT) training and capacity development by Ministry of Electronics and Information Technology (HRD Division). Dr. Mushtaq Ahmed from Department of CSF. was awarded a patent on Trusted and secure configuration and validation of data for public IOT devices using block chain technology. Dr. Kavita Lalwani and her research group from Department of Physics joined international collaboration "Electron Ion Collider" (EIC) at Brookhaven National Laboratory (BNL), USA.

Several prestigious research projects, from DST, DRDO, SERB, were awarded to members faculty the past two years. The academic output ofour faculty remains prolific, with publication of five books, 40 book chapters and as many as 873 research papers published and presented, ofthem 577 papers in journals and 296 in conferences, respectively. Many faculty members were invited for expert lectures at various prestigious forums and also appointed members of Senates of other NIT's and as editors of significant research journals. As our qualified faculty members continue to lend their wisdom and expertise to reputed institutes and organizations.

MNIT JAIPUR



ALUMNI EVENTS

A Global Alumni Meet was held at Puri (Odisha Chapter) from 25th-26th January, 2020. Participants included the Director and senior faculty of CACS and Alumni Affairs from MNIT Jaipur, along with all major officebearers of MNITJAA and many other prominent alumni with their family members. A Webinar on Road Safety was organised by MNIT in association with Alumni of 1976 under Project Collaboration 360. degree. Hydrocyclones, Business Ethics, Colourism and Unfair beauty products, Transition from College to Industry etc. Alumni of the batch 1990-94 sponsored Rs. 57,00,000/- lacs for a new Badminton Court in the premises of Sports Complex and Bhoomi Pujan ceremony was conducted on December 9th, 2020. In the tough time of COVID-19 pandemic, an oxygen concentrator was donated to MNIT Jaipur by 1991 Alumni batch on 22nd June 2021.



11. ANNEXURE

11.1 BOARD OF GOVERNORS

S. No.	Nomination Under	Name with Designation	Serve as
1.	Section 11 Clause (a)	Dr. R. K. Tyagi Former Chairman-cum Managing Director, Hindustan Aeronautics Limited; and Hony. President, Centre for India Progressing, New Delhi	Chairman
2.	(b)	Prof. Narayana Prasad Padhy, Director, Malaviya National Institute of Technology Jaipur (Rajasthan)	Ex-Officio Member
3.	(c)	Ms. Saumya Gupta IAS Joint Secretary (NIT) Department of Higher Education, Ministry of Education 205-C, Shastri Bhawan, New Delhi	Ex-Officio Member
4.		Ms. Darshana M. Dabral, Financial Adviser, Department of Higher Education Ministry of Education 120-C, Shastri Bhawan, New Delhi	Ex-Officio Member
5.	(d)	To be nominated by State Government	Member
6.		To be nominated by State Government	Member
7.	(e)	To be nominated by Council of NITSER	Member
8.		To be nominated by Council of NITSER	Member
9.	(f)	Prof.UpenderPandel, Professor, Department of Metallurgical and Material Engineering, MNIT Jaipur	Member
10.		Sh. Ashok Kumar Agarwal, Associate Professor, Department of Electrical Engineering, MNIT Jaipur	Member
11.	(g)	Prof. Rangan Banerjee Director Indian Institute of Technology Delhi HauzKhas, New Delhi	Member
12.	Section 18 Clause (2)	Prof. M. M. Sharma Registrar (I/C),	Secretary



11.2 FINANCE, BUILDING & WORKS AND OTHER COMMITTEES

S. No.	Statute	Name with Designation	
1.	Statute 10 (1) (i)	Dr. R. K. Tyagi	
		Former Chairman-cum Managing Director, Hindustan Aeronautics Limited; and Hony. President, Centre for India Progressing, New Delhi	
2.	(ii)	Prof. Narayana Prasad Padhy, Director, Malaviya National Institute of Technology Jaipur (Rajasthan)	
3.	(iii)	Ms. Saumya Gupta IAS Joint Secretary (NIT) Department of Higher Education, Ministry of Education 205-C, Shastri Bhawan, New Delhi	
4.		Ms. Darshana M. Dabral, Financial Adviser, Department of Higher Education Ministry of Education 120-C, Shastri Bhawan, New Delhi	
5.	(iv)	Prof.UpenderPandel, Professor, Department of Metallurgical and Material Engineering, MNIT Jaipur	
6.		To be nominated by the Board of Governors	
7.	(v)	Prof. M. M. Sharma Registrar (I/C)	



Building & Works Committee

S. No.	Name and Designation of nominated persons	Serve as
1.	Prof. N. P. Padhy Director & Chairman BWC MNIT Jaipur Email – director@mnit.ac.in, Tel:-+911412529087	Director & Chairman BWC
2.	Sh. M. L. Soni Director, NITs Department of Higher Education Ministry of Education, Government of India, New Delhi Email - ml.soni@nic.in Mob - +918920342890	Nominee, MoE
3.	Sh. Anil Kumar Director (Finance) Department of Higher Education Ministry of Education, Government of India, New Delhi Email – anil.k35@nic.in	Nominee, MoE
4.	Prof. A. B. Gupta (BOG Nominee) Professor, Civil Engineering Department MNIT Jaipur Email - abgupta.ce@mnit.ac.in, Mob - +919549654179	BOG Nominee
5.	Sh. Vivek Gupta Superintending Engineer cum Project Director, CPWD MNIT Project Circle, CPWD, Jaipur email -vivek.gupta77@gov.in, pcmnit-cpwd@nic.in Mob - +919958996973	Superintending Engineer cum Project Director, CPWD
6.	Sh. P. K. Gupta Superintending Engineer (Commercial), JVVNL, Jaipur Email - secomml@jvvnl.org, Mob - +919413390178	Superintending Engineer (Commercial), JVVNL, Jaipur
7.	Prof. Sanjay Mathur Dean (P&D), MNIT Jaipur Email – dean.pnd@mnit.ac.in, Mob - +919549654213	Dean (P&D), MNIT Jaipur
8.	Prof. M. M. Sharma Registrar & Member Secretary Email – registrar@mnit.ac.in, Mob- +919413346999	Registrar & Member Secretary

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THE SENATE

S. No.	Name	Designation and Address
1.	Prof. N. P. Padhy	Director & Chairman Senate, MNIT Jaipur
2.	Prof. Ashok Kumar Pradhan	Department of Electrical Engineering, IIT Kharagpur Email: pradhan.ashok@gmail.com
3.	Prof. Shuchi Srivastava	Professor, Department of Humanities & Head of Management Studies MANIT Bhopal Email: shuchi_rajendra@yahoo.co.in
4.	Prof. Vipul Rastogi	Professor, Department of Physics Indian Institute of Technology Roorkee Email: vipul.rastogi@ph.iitr.ac.in
5.	Prof. A. B. Gupta	Professor, Civil Engineering Department, MNIT Jaipur
6.	Prof. A. K. Vyas	Professor, Civil Engineering Department, MNIT Jaipur
7.	Prof. A. P. S. Rathore	Professor, Mechanical Engineering Department, MNIT Jaipur
8.	Prof. Ajay Singh Jethoo	Professor, Civil Engineering Department, MNIT Jaipur
9.	Prof. Alok Gupta	Professor, Chemical Engineering Department, MNIT Jaipur
10.	Prof. Alok Ranjan	Professor, Architecture & Planning Department, MNIT Jaipur
11.	Prof. B. L. Swami	Professor, Civil Engineering Department, MNIT Jaipur
12.	Prof. D. Boolchandani	Professor, Electronics & Communication Engineering Department, MNIT Jaipur
13.	Prof. Dilip Sharma	Professor, Mechanical Engineering Department, MNIT Jaipur
14.	Prof. G. D. Agarwal	Professor, Mechanical Engineering Department, MNIT Jaipur
15.	Prof. G. S. Dangayach	Professor, Mechanical Engineering Department, MNIT Jaipur
16.	Prof. Ghanshyam Singh	Professor, Electronics & Communication Engineering Department, MNIT Jaipur
17.	Prof. Girdhari Singh	Professor, Computer Science & Engineering Department, MNIT Jaipur
18.	Prof. Gunwant Sharma	Professor, Civil Engineering Department, MNIT Jaipur



19.	Prof. Harpal Tiwari	Professor & Head, Electrical Engineering Department, MNIT Jaipur
20.	Prof. Himanshu Chaudhary	Professor & Head, Mechanical Engineering Department, MNIT Jaipur
21.	Prof. Jyoti Joshi	Professor & Head, Chemistry Department, MNIT Jaipur
22.	Prof. Jyotirmay Mathur	Dean, Academic & Professor, Mechanical Engineering Department, MNIT Jaipur
23.	Prof. K. K. Sharma	Professor, Electronics & Communication Engineering Department, MNIT Jaipur
24.	Prof. K. R. Niazi	Professor, Electrical Engineering Department, MNIT Jaipur
25.	Prof. Kailash Singh	Professor, Chemical Engineering Department, MNIT Jaipur
26.	Prof. Kanupriya Sachdev	Professor & Head, Physics Department, MNIT Jaipur
27.	Prof. Lava Bhargava	Professor & Head, Electronics & Communication Engineering, MNIT Jaipur
28.	Prof. M. K. Shrimali	Professor, Civil Engineering Department, MNIT Jaipur
29.	Prof. M. L. Mittal	Professor, Mechanical Engineering Department, MNIT Jaipur
30.	Prof. M. M. Sharma	Registrar & Professor, Electronics & Communication Engineering Department, MNIT Jaipur
31.	Prof. Mahender Choudhary	Professor & Head, Civil Engineering Department, MNIT Jaipur
32.	Prof. Mahesh Kumar Jat	Professor, Civil Engineering Department, MNIT Jaipur
33.	Prof. Manju Singh	Professor, Humanities & Social Sciences Department, MNIT Jaipur
34.	Prof. Manoj Fozdar	Professor, Electrical Engineering Department, MNIT Jaipur
35.	Prof. Mohammad Salim	Professor, Electronics & Communication Engineering Department, MNIT Jaipur
36.	Prof. Nirupam Rohtagi	Professor, Mechanical Engineering Department, MNIT Jaipur
37.	Prof. Nupur Tandon	Professor, Humanities and Social Sciences, MNIT Jaipur
38.	Prof. R. C. Gupta	Professor, Civil Engineering Department, MNIT Jaipur
39.	Prof. R. P. Yadav	Professor, Electronics & Communication Engineering Department, MNIT Jaipur

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40.	Prof. Ragini Gupta	Professor, Chemistry Department, MNIT Jaipur
41.	Prof. Raj Kumar Vyas	Professor, Chemical Engineering Department, MNIT Jaipur
42.	Prof. Rajeev Shringi	Professor, Architecture & Planning Department, MNIT Jaipur
43.	Prof. Rajendra Kumar Goyal	Professor, Metallurgical & Materials Engineering Department, MNIT Jaipur
44.	Prof. Rajesh Kumar	Professor, Electrical Engineering Department, MNIT Jaipur
45.	Prof. Rajive Tiwari	Professor, Electrical Engineering Department, MNIT Jaipur
46.	Prof. Rakesh Jain	Professor, Mechanical Engineering Department, MNIT Jaipur
47.	Prof. Ravindra Nagar	Professor, Civil Engineering, MNIT Jaipur
48.	Prof. Rohit Goyal	Professor, Civil Engineering Department, MNIT Jaipur
49.	Prof. S. D. Bharti	Professor, Civil Engineering & Head, National Centre for Disaster Mitigation & Management, MNIT Jaipur
50.	Prof. S. K. Tiwari	Professor, Civil Engineering Department, MNIT Jaipur
51.	Prof. S. P. Chaurasia	Professor, Chemical Engineering Department, MNIT Jaipur
52.	Prof. Sanjay Mathur	Professor, Civil Engineering Department, MNIT Jaipur
53.	Prof. Sudhir Kumar	Professor, Civil Engineering Department, MNIT Jaipur
54.	Prof. Suja George	Professor, Chemical Engineering Department, MNIT Jaipur
55.	Prof. Sushant Kumar Jana	Professor, Chemical Engineering Department, MNIT Jaipur
56.	Prof. T. C. Gupta	Professor, Mechanical Engineering Department, MNIT Jaipur
57.	Prof. Tarush Chandra	Professor, Architecture & Planning Department, MNIT Jaipur
58.	Prof. Upendra Pandel	Professor & Head, Metallurgical & Materials Engineering Department, MNIT Jaipur
59.	Prof. Urmila Brighu	Professor, Civil Engineering Department, MNIT Jaipur
60.	Prof. Vibhuti Singh Shekhawat	Professor, Humanities & Social Sciences Department, MNIT Jaipur
61.	Prof. Vijay Janyani	Professor, Electronics & Communication Engineering Department, MNIT Jaipur





62.	Prof. Vijay Laxmi	Professor, Computer Science & Engineering
		Department, MNIT Jaipur
63.	Prof. Vineet Sahula	Professor, Electronics & Communication Engineering
		Department, MNIT Jaipur
64.	Prof. Y. P. Mathur	Professor, Civil Engineering Department, MNIT
		Jaipur
65.	Dr. Amartya Chowdhury	Head, Centre for Energy & Environment, MNIT
		Jaipur
66.	Dr. Bhagwati Sharma	Head, Materials Research Centre, MNIT Jaipur
67.	Dr. Dinesh Gopalani	Head, Computer Science & Engineering Department,
		MNIT Jaipur
68.	Dr. Dipti Sharma	Head, Humanities & Social Sciences Department,
		MNIT Jaipur
69.	Dr. Manish Vashishtha	Head, Chemical Engineering Department, MNIT
		Jaipur
70.	Dr. Satish Pipralia	Head, Architecture & Planning Department, MNIT
		Jaipur
71.	Dr. Satish Kumar	Head, Management Studies & Associate Dean (PG)
72.	Dr. Sumit Khandelwal	Associate Dean (UG)
73.	Dr. Vatsala Mathur	Head, Department of Mathematics, MNIT Jaipur



PART - B FACULTY RELATED INFORMATION

11.3 RESEARCH PROJECTS AND CONSULTATION JOBS

1. Summary of Major Sponsored Research Schemes & Consultancy Projects

DEPARTMENT OF CHEMICAL ENGINEERING

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	Development of Defluoridation kit for domestic drinking water	Dr. Madhu Agarwal	DST, New Delhi	Government	28.70 Lacs	Completed (2017-2021)
2.	Development of Intelligent Control of Heat Integrated Reactive Dividing Wall Column for synthesis of Methyl Acetate	Dr. RajeevKumar Dohare	SERB Delhi	Government	42.00	Completed (2018-2022)
3.	Integrated fluidized bed membrane bioreactor for wastewater treatment	Dr. Md Oayes Midda	Technical Education Quality Improvement Programme Phase – III (TEQIP-III)	Government	4.00	Completed (2019-2020)
4.	Development of visible light active catalysts induced oxidation for treatment of textile wastewater	Dr.Vijayalakshmi Gosu	AICTE	Government	16.17	Completed (2019-2020)
5.	Electrochemical Conversion of Flue Gas into Hydrocarbon Fuel in Solid Oxide Cells	Dr. Neetu Kumari	SRG SERB- DST New Delhi	Government	32.00	Ongoing (2019- 2022)



6.	Utilization of	Dr. Neetu	TEQIP-III	Government	4.00	Completed
	Biogas as a Fuel	Kumari				(2019-
	in Solid Oxide					2021)
	Cell for					
	Electrical Power					
	Generation					
7.	Evaluation of	Dr. Madhu	Grasim		12.10	Completed
' '	coagulants	Agarwal	Industries	Industry	12.10	(2019-
	performance	1 1941 1141	11144541165	Industry .		2021)
	preceding RO					,
	treatment and					
	Characterization					
	of Scaling on					
	RO membranes					
	used for					
8.	Drinking water Valorisation of	Dr. V. K.	SERB, DST	Government	49.70	Comelatad
δ.	waste cooking	Saharan	Govt. of India	Government	49.70	Completed (2019-
	oil (WCO)	Sanaran	Govi. of fildia			2022)
	Process					2022)
	development					
	and					
	intensification					
	using					
	hydrodynamic					
	and acoustic					
	cavitation					
	techniques	Dr. Manish	Daisathan	Corromanant	6.00	Completed
9.	Study on Improving the	Vashishtha	Rajasthan Renewable	Government	6.00	Completed 2020-2020
	Energy	v asiiisiitiia	Energy			2020-2020
	Extraction and		Corporation			
	Production of		Limited			
	Value Added		(Govt. of			
	Product from		Rajasthan)			
	Mustard crop					
	Residue					_
10.	Converting CO ₂	Dr. Sonal	Science and	Government	32.50	Ongoing
	to methanol A		Engineering			(2020-
	step towards		Research			2022)
	greenhouse gases utilization		Board, DST India			
	using novel		muia			
	multifunctional					
	catalysts					
	Janaryon	l	L	<u>l</u>	L	



11.	Effective treatment of wastewater effluents by a fluidized bed membrane bioreactor with low membrane fouling	Dr. Md Oayes Midda	Department of Science & Technology (WTI call 2019)	Government	39.64	Ongoing (2020-2023)
12.	Design and development of high flow, high purity oxygen concentrator using indigenous components	Dr. Rohidas Gangaram Bhoi	MNIT	Government	1.85	Completed (2021-2021)
13.	Preparation of district environment management plan for Alwar	Dr. Virendra Kumar Saharan	Environmental committee and district collector alwar, Rajasthan	Government	9.96	Completed (2021-2021)

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/ Govt./Specify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	Development of Novel Electrocatalyst for the Efficient Conversion of Biomass Derived Syngas to Electrical Power Using Solid Oxide Fuel Cell Technique	Dr. Neetu Kumari	Science and Engineeri ng Research Board (SERB), DST, Gov. of India	Govt. of India	57.00	Ongoing
2.	Study of Hydrodynamics & Efficiency of Effluent Treatment Process" of STP situated in Jaisinghpura Khor Jaipur	Dr. Vikas Kumar Sangal	Municipal Corporatio n, Jaipur Heritage, Jaipur, Govt. of Rajasthan	Govt of Rajasthan	3.60	Ongoing



3	Development of	Dr. Virendra	Municipal	Govt of	5.16	Ongoing
	Greywater Disposal	Kumar	Council	Rajasthan		
	site in Surajgarh,	Saharan	Surajgarh,			
	Jhunjhunu, Rajasthan		Jhunjhunu, Rajasthan			
4	Industrial hygiene of	Dr. Subbaramaiah V		Govt of	44.47	Ongoing
	silica dust exposure in		Specially	Rajasthan		
	Rajasthan- Spatial		Abled			
	distribution, diagnosis,		Person,			
	risk assessment, and its		Govt of			
	management		Rajasthan,			
	-		India			

New Consultancy Projects (Started in the year 2021-22)

S. No.	Name of the Project	Team Members	Client	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./ Specify if any other.)	Outla y (in Lacs of Rs.)	Complet ed /Ongoing
1.	Third Party Inspection Services of Fire Vehicles_30 00 Liters	Prof. Kailash Singh	Directorate of Local Bodies, Rajasthan, Jaipur	Government of Rajasthan	26.52	Ongoing
2.	Third Party Inspection Services of Fire Vehicles_45 00 Liters	Prof. Kailash Singh	Directorate of Local Bodies, Rajasthan, Jaipur	Government of Rajasthan	28.59	Ongoing

Projects completed during the year 2021-22

S. No.	Name of the Project	Team Members	Client	Type of funding agency (R&D/ academic/ Industry/PSU/Govt ./Specify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	Trial Laboratory Runs for Plastic Pyrolysis	Prof. Suja George, Dr. Virendar Saharan and Dr. Rohidas G. Bhoi	RIARN Waste Manageme nt Private Limited, Aurangabad	Industry	0.59	Completed



	This I Post	D.,	TDI CLICC	T 14	5.00	Completed
2.	Third Party Performance Evaluation and Inspection of the STP, Sewerage	Dr. Madhu Agarwal	TPL SUCG CONSORT IUM - Riico industrial area	Industry	5.90	Completed
	Network for Dravyavati River Project					
3.	Consultancy for Sell Tax Office sector 148, Noida	Dr. Madhu Agarwal	Utter Pradesh Rajya Nirman Nigam (UPRNN) Noida	Government	5.12	Completed
4.	Evaluation of coagulants performance preceding RO treatment and Characterizati on of Scaling on RO membranes used for Drinking water	Dr. Madhu Agarwal	Grasim Industries	Industry	12.10	Completed
5.	Vetting of design and drawing of 225 MID water treatment plant, vetting of (i) Process flow diagram (ii) Process unit sizing (iii) Plant Layout (iv) Hydraulic flow calculation & Diagram	Dr. Virendra Kumar Saharan	SPML Infra Limited	Industry	4.13	Completed



DEPARTMENT OF CIVIL ENGINEERING Continuing Sponsored Research Projects (Started earlier than 1st April 2021):

S. No.	PROJECT NAME	FACULTY	FUNDING AGENCY	SANCTION AMOUNT (Rs.) in lacs	COMPLETED/ ONGOING
1.	Impact of Climate Change on Water Resources of Tapi Basin	Prof. Rohit Goyal	MINISTR Y OF WATER RESOURC ES, RD & GR, GOI	18.27	Completed
2.	Resource mapping of Earthquake Engineering faculties in Engineering/Architect ural Institutes	Prof. Mahesh Kumar Jat	NATIONA L DISASTE R MANAGE MENT AUTHORI TY	28.15	Ongoing
3.	Development of Innovation Centre for Eco-Prudent Wastewater Solutions (Ic-Ecows)	Prof. A.B. Gupta	DST- NEW DELHI	77.52	Ongoing
4.	Identifying Best Available Technologies for Decentralized Wastewater Treatment and Resource Recovery for India (Saraswati 2.0).	Prof. A.B. Gupta	DST GOI, INDO-EU	•••••	Ongoing
5.	Water Sanitation and Hygiene Interventions for Schools of Rural Areas in Rajasthan: Measurement, Monitoring, Assessment and Reporting using GIS Platforms	Dr. Ankita Pran Dadhich Prof. Rohit Goyal	DST-NEW DELHI	36.76	Ongoing



6.	Research Study for Identification of Potential & Scope of Renovation and Optimum Planning & Design of Renovations of Collectorate Chowk, Lal Chowk, Karni Chowk, Ambedkar Chowk Junction and Chowk Near Govt. Hospital, Chowk Near Bishnoi Dharmsala, in Hanumangarh	Prof. Mahesh Kumar Jat	MUNICIP AL COUNCIL HANUMA NGARH, GOVT. OF RAJASTH AN	2.88	Completed
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S. No.	PROJECT NAME	FACULTY	FUNDING AGENCY	SANCTION AMOUNT (Rs.) in lacs	COMPLETED/ ONGOING
1.	Development of Integrated Treatment Scheme for RO Reject Management	Prof. Urmila Brighu	WSSO PHED	12.31	Ongoing
2.	Identifying and qualifying interventions for prevention of silicosis	Dr. Nivedita Kaul	COMMISSIONER OF DIRECTORATE OF SPECIALLY ABLED PERSONS, SOCIAL JUSTICE AND EMPOWERMENT, GOVT. OF RAJASTHAN, JAIPUR	150	Ongoing
3.	Development of Earthquake Disaster Risk Index for 60 Indian Cities	Prof. Mahesh Kumar Jat	NATIONAL DISASTER MANAGEMENT AUTHORITY	116	Ongoing
4.	A Study on Use of Kota Stone Slurry and Crusher Dust in Place of Sand in Mortar Mixes (Project: 1000112325)	Prof. A. K. Vyas	CPWD	2.6	Ongoing
5.	A Study on Use of Granite Cutting Waste	Prof. A. K. Vyas	CPWD	2.6	Ongoing



	and Crusher Dust in Place of Sand in Mortar Mixes (Project: 1000112321)				
6.	A Study on Use of Marble Slurry and Crusher Dust as Fine Aggregate in Mortar Mixes (Project: 1000112320)	Prof. A. K. Vyas	CPWD	2.6	Ongoing

Continuing Consultancy Projects (started and completed in the year 2021-22:

Total amount of consultancy work done by the depart	tment	Rs. 6.64 Cr.

New Consultancy Projects (Started in the year 2021-22)

Total amount of consultancy work done by the department	Rs. 6.84 Cr.
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING Continuing Sponsored Research Projects (Started earlier than 1st April 2021):

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	Information Security Education Awareness - Phase II	Prof. Vijay Laxmi	Ministry of Electronics and Information Technology		61.00	Ongoing
2.	Investigation of Data Leakage Prevetion Techniques for Android	Prof. Vijay Laxmi	DST		10.00	Ongoing
3.	IoT Enable Waste Management System for Smart City	Dr. Dinesh Gopalani	DST Rajasthan		5.43	Ongoing



			1	T		
4.	Detecting Suspicious Users in Social Networks Using Text Analysis	Dr. Yogesh Kumar Meena	DST Rajasthan		7.98	Ongoing
5.	MobiSStick Mobile Enabled Smart Stick for Visually Impaired Person	Dr. Meenakshi Tripathi	DST Delhi		14.50	Ongoing
6.	Evaluating Fingerprint Recognition Technologies for Rural Population using Smart Phones	Dr. Neeta Nain	Melinda Gates Foundation through Michigan State University		6.85	Ongoing
7.	Timestamp aware Aberrant Detection and Analysis in Big Visual Data using Deep Learning Architecture	Dr. Santosh Kumar Vipparthi - on Lien	SERB, DELHI		19.88	Ongoing
8.	NVIDIA TITAN V GPU Grant	Dr. Neeta Nain	NVIDIA USA		3.83	Ongoing
9.	SWARD - Secure next- generation Wireless Access RaDio technology for Smart Cities in India	Dr. Ramesh Babu Battula	DST SERB		40.30	Ongoing
10.	Design and Implementation of Content Based Recommender System for effectively answering web based user queries (Co-PI)	Dr. Lavika Goel	Department of Science and Technology (DST), Interdisciplinary Cyber-Physical Systems (ICPS) division		40.00	Ongoing



11.	Investigating Security Threats in SDN based VANETs for Smart Cities	Dr. Jyoti Grover	TEQIP-III Under Research Grant Scheme	2.50	Ongoing
12.	Child Face Age Progression and Regression to Trace Missing Children	Dr. Neeta Nain	Meity	65.00	Ongoing
13.	Forecasting Significant Social Events by Predictive Analytics over Streaming Open Source Data	Dr. Yogesh Kumar Meena	DST SERB India	16.83	Ongoing
14.	Automated Glaucoma Detection and Analysis in Retinal Fundus Images using Deep Learning Algorithms	Dr. Deepak Ranjan Nayak	SERB, DST (Govt. of India)	22.00	Ongoing
15.	Disruptive Event Prediction Platform based on Continual Machine Learning	Dr. Satyendra Singh Chouhan	DST NSM	21.15	Ongoing
16.	A simulation and emulation oriented cyber testbed for training and defence in cybersecurity (RP0072)	Dr. Smita Naval	IIT Jammu	76.71	Ongoing
17.	Design and Implementation of a Hybrid Nature Inspired and Machine Learning Based Intelligent Optimization Model for Crop Recommendation in Rajasthan, India	Dr. Lavika Goel	Department of Science and Technology (DST), Science and Engineering Research Board (SERB)	30.10	Ongoing



S.	Name of the	Principal	Sponsoring	Type of funding agency	Outlay	Completed
No.	Project	Investigator/	Agency	(R&D/ academic/	(in	/Ongoing
		Coordinator		Industry/PSU/Govt./Specify	Lacs	
				if any other.)	of Rs.)	
1.	Designing	Dr. Pilli	Science and	Goverment	21.34	Ongoing
	Hybrid	Emmanuel	Engineering			
	Introspection	Shubhakar	Research			
	enabled		Board			
	VMM-based		(SERB),			
	Security		Department			
	Architecture		of Science			
	to protect		and			
	against attacks		Technology			

DEPARTMENT OF ELECTRICAL ENGINEERING

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Sp ecify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	Cooperative Micro Grids Integrated Smart Electric Transportation Systems (CMGISETS) Coordinated Technologies for Seamless Energy Management	Dr. Arun Kumar Verma (Principal Investigator)	SPARC DST India	MHRD, Govt. of India	97.00	2019-2021
2.	Cooperative Isolated Renewable Energy Systems for Enhancing Reliability of Power in Rural Areas	Dr. Arun Kumar Verma (Principal Investigator), Dr. Rohit Bhakar (Co- Principal Investigator)	MI Off Grid, DST, India	Govt.	281.24	2018-2022
3.	Market Models for Local Energy Transactions	Dr. Rohit Bhakar (Co-PI)	SPARC, Ministry of Education, India and UKIERI	Govt.	101.00	2019-2022



S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/ Govt./Specify if any other.)	Outlay (in Lacs of Rs.)	Compl eted /Ongoing
1.	Artificial Intelligence for Optimal Integration of Renewable Energy Resources in Microgrids	Prof. Rajesh Kumar	UoS- Skoltech award		27.41	Ongoing
2.	Prototype Development of Artificial Intelligence based Portable Computer Aided Diagnosis System for Silicosis	Prof. Rajesh Kumar	Directorate of Specially abled People , Govt. of Rajasthan		22.59	Ongoing
3.	Design and Development of Multi-Input Microinverters for Grid- Connected Photovoltaic Applications	Dr. Arun Kumar Verma, Dr. Sandeep N	SERB DST India	Govt. of India	32.89	2021- 2023 (Ongoi ng)
4.	Design and Implementation of Novel Grid-Tied Transformer- Less Boosting Inverter Topologies for Solar PV Applications	Dr. Arun Kumar Verma (Principal Investigator), Dr. Sandeep N (Co- Principal Investigator)	DST India	Govt. of India	78.84	2021- 2024 (Ongoi ng)
5.	EV Charging Coordination and Navigation Solutions for Smart Cities	Dr. Rohit Bhakar (Co-PI)	SCIENCE & ENGINEERI NG RESEARCH BOARD (SERB)	Govt.	27.60	2022- 2025 (Ongoi ng)

MNIT JAIPUR _____



Continuing Consultancy Projectsstarted and completed in the year 2021-22):

S. No.	Name of the Project	Team Members	Client	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Speci fy if any other.)	Outla y (in Lacs of Rs.)	Completed /Ongoing
1.	Consultanc y for medical oxygen plant	Prof. Rajive Tiwari	Directorate of Local Bodies, Rajasthan, Jaipur Government of Rajasthan Local Self Government Department - G-3, Rajmahal Residency, Near Civil Lines, Jaipur, Rajasthan, India	Govt.	29.67	
2.	Consultanc y for medical oxygen plant	Prof. Rajive Tiwari, Dr. Arun Verma	Jaipur Developmen t Authority (JDA) Jaipur	Govt.	36.74	Ongoing
3.	Consultanc y for Medical Oxygen Plants DLB	Dr. Arun Kumar Verma	DLB Jaipur	DLB Jaipur	30	Ongoing
4.	Testing of Punto Electric Shock Proof (ESP) Device	Dr. Arun Kumar Verma, Dr. Saravana Prakash P, Dr. Sandeep N	Punto corporation private limited. Jaipur.	Pvt. Company	0.85	Ongoing



New Consultancy Projects (Started in the year 2021-22)

S.	Name of the	Team	Client	Type of funding agency	Outlay	Completed
No.	Project	Members		(R&D/ academic/	(in	/Ongoing
				Industry/PSU/Govt./Specify	Lacs	
				if any other.)	of Rs.)	
1.	Consultancy	Dr. Arun	JSCL	JSCL	6.0	Ongoing
1.	for Jaipur	Kumar				
	Smart City	Verma,				
	Ltd. for	Dr.				
	various	Sandeep N				
	ongoing					
	projects					
2.	Consultancy for Transit Hostel in Police Line complex at Gautam Budh Nagar 04 Tower (S+12)	Dr. Arun Kumar Verma, Dr. Saravana Prakash P,Dr. SandeepN	Transit Hostel in Police Line complex	UPRNN Noida UP	4.97	Ongoing

Projects completed during the year 2021-22

S. No.	Name ofthe Project	Team Members	Client	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specify if	_	Completed /Ongoing
	Troject			any other.)	0110.)	
1.						



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING 11.3 RESEARCH PROJECTS AND CONSULTATION JOBS

Summary of Major Sponsored Research Schemes & Consultancy Projects

S. No.	Name of the Project	Principal Investiga tor/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	Indo-Poland project on Highly Localized, Coherent and Tunable Photon Source using Nonlinear Plasmonics and Elastomeric Actuator for Photothermal Therapy of Cancer Cells and Improved Detection in Bio-Sensing	Prof Vijay Janyani	DST (INDIA- POLAND project)	DST New Delhi	13.29	Ongoing
2.	Special Manpower Development Programme for Chips to System Design	Prof. D. Boolcha ndani Co- Investiga tor; Dr.Lava Bhargav a	Ministry of Communications & IT	Government	100	Completed
3.	Design and Development of MEMS Based Piezoelectric Energy Harvester	Ritu Sharma	DRDO	R&D	23.5	completed
4.	Low power IP Core Hardware security (fingerprinting) module for IoT applications (under SMDP- c2sD Individual Project)	Dr. Amit M. Joshi	Ministry of Electronics & Information Technology (Meity)	Govt.	79,75,000	Ongoing



5.	Green	Dr	SERB	Govt.	29.37	Ongoing
	Template-	Deepak				
	assisted,	Bharti				
	Flexible and					
	SkIN-					
	Attachable					
	Sensor for					
	NOn-					
	inVAsive and					
	Non-enzymatic					
	Glucose					
	DeTEction					
	using Human					
	Sweat and					
	Saliva -					
	INNOVATE					
6.	Impact of	Dr.	SERB, DST	R&D	23.08	Completed
	Lateral	Rajesh				
	Straggle on the	Saha				
	Logic Gates,					
	SRAM, and					
	Ring Oscillator					
	in Silicon on					
	Insulator (SOI)					
	Tunnel FET					
7.	Electronics and	Dr S. J.	Ministry of	Govt. of India	779 Lacs	Ongoing
	ICT Academy	Nanda as	Communication			
		Co-PI	and IT, Govt. of			
			India			

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/ Govt./Specify if any other.)	Outlay (in Lacs of Rs.)	Compl eted /Ongoi ng
1.	Charge pump PLL frequency synthesizer design	Prof. D.Boolchandani	ISRO	Govt	21.35	ongoing
2.	Design, Fabrication and Performance Evaluation of Flexible Piezoelectric Biomechanical Energy Harvester	Ritu Sharma	SERB- Power Grant	R&D	53.97	ongoing



3.	iFebsz : Intelligent	Dr. Amit M.	DST	Govt.	10.00	ongoing
	Febrile Seizure	Joshi				
	Monitoring Device for	(Founder &				
	Children	Director of				
		Start				
		upSvaarogya				
		m Medical				
		Device Pvt.				
		Ltd.)				
4.	Insulin Management	Dr. Amit M.	MeiTY	Govt.	25.00	ongoing
	System for Type 1	Joshi	(under			
	Diabetes People	(Founder &	NGIS)			
		Director of				
		Start				
		upSvaarogya				
		m Medical				
		Device Pvt.				
		Ltd.)				

Continuing Consultancy Projects started and completed in the year 2021-22):

S. No.	Name of the Project	Team Members	Client	Type of funding agency (R&D/ academic/	Outlay (in	Completed /Ongoing
				Industry/PSU/Govt./Speci	Lacs of	
				fy if any other.)	Rs.)	
	Third Party	Prof D.	Jaipur	AkshOptifibre Limited	8.70500	Ongoing
	Inspection	Boolchanda	Smart	Jaipur -302029,		
	of ICT	ni , Prof.	City	Rajasthan, India		
	Material for	Vijay	Limited			
1.	Jaipur Smart	Janyani, Shri				
	City Limited	Sanjeev				
	(consultancy)	Agrawal &				
		Dr. Tarun				
		Verma				



DEPARTMENT OF MECHANICAL ENGINEERING

	Name of the			Type of funding		Completed
S.		Principal	Sponsoring	Type of funding	Outla	Completed
No.	Project	Investigat	Agency	agency (R&D/	y (in	/Ongoing
		or/		academic/	Lacs	
		Coordinator		Industry/PSU/Govt./Sp	of	
<u> </u>	*****	-	G	ecify if any other.)	Rs.)	C1-4-1
1.	Utilization of	Dr. Amar	Centre for	R&D	100.00	Completed
	marble dust and	Patnaik/	Development			
	slurry in	Amar	of Stone,			
	Rajasthan	Patnaik	Jaipur			-
2.	Technology	Dr. Amar	TBI DST	R&D	497.00	Completed
	Business	Patnaik/	New Delhi			
	Incubator	Monica				
		Sharma				
3.	Development	Dr. Harlal	DRDO New	R&D	37.00	In
	and	Singh	Delhi			Progress
	Characterizatio	Mali				
	n of differently					
	woven Carbon-					
	Kevlar hybrid					
	composite with					
	their modeling					
	and analysis					
4.	Design	Dr. Harlal	PMG	R&D	2.00	Completed
	Tinkering and	Singh	Integrated			1
	PoC for AU-	Mali	Communicati			
	2019	112011	ons Private			
	Innovative		Limited			
	Student					
	Projects					
5.	Modeling a	Dr. Amar	SPARC	R&D	70.20	In
-	combinatorial	Patnaik	MHRD New			Progress
	approach for		Delhi.			
	design of steel					
	with ultra-high					
	strength and					
	toughness					
	Scheme for					
	Promotion of					
	Academic and					
	Research					
	Collaboration					
	Conadoration					

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						व्यक्तिशिक्ष
6.	Development of Ceramic Armour Panels To Stanag 4569 Level-4 For Futuristic Infantry Combat Vehicle (FICV)	Dr. Amar Patnaik/ G. S. Dangayach	Factory Medak, Yeddumalaram	R&D	18.80	In Progress
7.	Remedial Orthosis for CTEV Clubfoot (BIRAC/SIIC0 107/ BIG- 14/19)	Dr. Harlal Singh Mali	BIRAC, DBT, GoI	R&D	48.50	In Progress
8.	Upcycled Plastic Prosthetics (UPP) Frontiers Follow On Grant	Dr. Amit Kumar Singh	Royal Academy of Engineering, UK	R&D	49.00	In Progress
9.	Optimization of power consumed by Airlift Pump TAR/2020/000 217	Dr. Amar Patnaik	SERB- TARE, New delhi	R&D	18.30	In Progress
10.	State Energy Efficiency Research and Outreach Programme	Prof. Jyotirmay Mathur	RRECL	R&D	25.00	In Progress
12.	Hybrid Jute Composite Modification and subsequent Development of Porta Cabin	Dr. Amar Patnaik	National Jute Board, Govt. of India	R&D	37.76	In Progress



S. No.	Name of the Project	Principal Investigato r/ Coordinator	Sponsorin g Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Spec ify if any other.)	Outla y (in Lacs of Rs.)	Complete d /Ongoing
1.	A Risk Assessment Index for Prediction and Prevention of Silicosis among Stone Workers in Rajasthan	Dr. Gunjan Soni	Directorate of Specially Abled Person, Governme nt of Rajasthan	R&D	7.13	Ongoing
2.	Role of Socioeconom ic and Technologica 1 Factors in Adoption of Industry 4.0 Technologies in Indian Agri-fresh Supply Chains (AFSC)	Dr. Gunjan Soni	ICSSR	R&D	8.00	Ongoing
3.	Hybrid Jute Composite Modification and subsequent Development of Porta Cabin	Dr. Amar Patnaik	National Jute Board, Govt. of India	R&D	37.76	Ongoing



Projects completed during the year 2021-22

S. No.	Name ofthe Project	Team Members	Client	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Spec ify if any other.)	Outla y (in Lacs of Rs.)	Completed /Ongoing
1.	Utilization of marble dust and slurry in Rajasthan	Dr. Amar Patnaik	Centre for Development of Stone, Jaipur	Govt.	100.00	Completed
2.	Design Tinkering and PoC for AU- 2019 Innovative Student Projects	Dr. Harlal Singh Mali	PMG Integrated Communicatio ns Private Limited	Pvt.	2.00	Completed
3.	Technology Business Incubator	Dr. Amar Patnaik, Monica Sharma	TBI DST New Delhi	DST	497.00	Completed

Testing (Carried out in the Year 2021-22)

S. No.	Name of the Lab	Total Amount (in Lacs of Rs.)	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specify if any other.)
	Advanced	0.2025	Academic (Rajarambapu institute of
1.	Manufacturing &		Technology, Rajaramnagar, Sangli
	Mechatronics Lab		Maharashtra)



DEPARTMENT OF METALLURGICAL & MATERIALS ENGINEERING

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsori ng Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Sp ecify if any other.)	Outla y (in Lacs of Rs.)	Complet ed /Ongoing
1.	Study on Dissimila r Joints Like Aluminiu m to Steel, Inconel to Ti-6Al- 4V, and Zircaloy- 4 to Steel Produced by High Energy Density Welding Processes Like EBW and LBW	Dr. JyotirmayaKar	DST	Govt. of India	35	Ongoing
2.	Novel Synthesis and Formabili ty of Ultrafine Grained Ti-46Al- 1B (at %) Alloy	Dr. Vijay NavaratnaNadakud uru	(SERB), DST	Govt. of India	36.43	Ongoing

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S. No.	Name of the Project	Principal Investigator / Coordinator	Sponsori ng Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./S pecify if any other.)	Outl ay (in Lacs of Rs.)	Complet ed /Ongoing
1.	Novel Material Manufacturing Method for Large Volume Cast Metal Matrix Nanocomposites (Ultra-Cast)	Dr. Sreekumar Vadakke Madam	Ministry of Mines	Govt. of India	50	Ongoing
2.	Assessment of Additive Manufactured Titanium Alloy and Cast Nickel- Aluminium- Bronze Alloy: An Exploratory Study for Naval Propeller Material	Dr. Manjesh Kumar Mishra	NRB, DRDO	Govt. of India	20.04	Ongoing
3.	Exploratory Study on Effect of Microstructure Evolution on Mechanical Strength of Superalloys	Dr. Rajesh Kumar Rai	GTRE, DRDO Bangalore	Govt. of India	24.60	Ongoing
4.	The Coating of CuNiFeCrMoGrap hene Oxide Nano Composites on CFRP -Carbon Fiber Reinforced Plastics /Composites to Improve Thermal Conductivity & Electrical Conductivity Properties of CFRP -Carbon Fibre Reinforced Plastic /Composites	Prof. UpendraPan del	ISRO	Govt. of India	25	Ongoing



5.	FIST-2021	Prof.	DST	Govt. of India	141	Ongoing
		Rajendra				
		Kumar				
		Goyal				

MATERIALS RESEARCH CENTRE

Cont	ontinuing Sponsored Research Projects (Started earlier than 1st April 2021):							
S.	Name of the	Principal Principal	Sponsori	Type of funding	Outla	Complet		
No.	Project	Investigator/	ng	agency (R&D/	y (in	ed		
		Coordinator	Agency	academic/	Lacs	/Ongoin		
				Industry/PSU/Govt./Sp	of	g		
				ecify if any other.)	Rs.)			
1.	Phase	Dr. Nisha	IUAC	Govt. of India	14	Ongoing		
	stability of	Verma	Delhi					
	immiscible							
	systems							
	under							
	irradiation-a							
	case study							
	for CuTa							
	alloy							
2.	Solar Redox	Dr. Himmat	DST	Govt. of India	35.00	Ongoing		
	Flow	Singh						
	Battery: The	Kushwaha						
	Capture,							
	Storage and							
	Recovery of							
	Renewable							
	Solar Energy							
3.	Development	Dr. Himmat	DST-	R&D	50.45	Ongoing		
	of Opto-	Singh	WTI					
	Electrochemi	Kushwaha (PI)						
	cal Sensor	Dr. Ragini						
	for Pesticide	Gupta (Co-PI)						
	and Ion							
	detection in							
	Drinking and							
	Irrigation							
	Water							



4.	Optical and	Dr.	IUAC-	Govt. of India	7	Completed
	structural	KamlendraAws	UGC,		Lacs	_
	properties of	athi	New			
	defects in		Delhi			
	rare earth					
	implanted					
	ZnO					
	nanostructure					
	s					
5.	Track etched	Dr.	IUAC-	Govt. of India	10	Ongoing
	membrane	KamlendraAws	UGC,		Lacs	
	based	athi	New			
	bimetallic		Delhi			
	nanowires					
	for hydrogen					
	sensing					

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsori ng Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Sp ecify if any other.)	Outla y (in Lacs of Rs.)	Complet ed /Ongoin g
1.	X-ray Absorption spectroscopy of single atom (Pt and Pt-group) based electrocataly sts	Dr. KamlendraAws athi	UGC- DAE, Indore	Govt. of India	1.35 Lacs	Ongoing

Testing (Carried out in the Year 2021-22)

S. No.	Name of the Lab	Total Amount (in Lacs of Rs.)	Type of funding agency (R&D/ academic/
			Industry/PSU/Govt./Specify
			if any other.)
1.	Materials Research Centre	5.6	Academic inside and outside MNIT + Industry
			users.



DEPARTMENT OF MANAGEMENT STUDIES

S. No.	Name of the Project	Principal Investigat	Sponsorin g Agency	Type of funding agency (R&D/ academic/	Outlay (in Lacs of	Completed /Ongoing
		or/		Industry/PSU/Govt./Sp	Rs.)	
		Coordinat or		ecify if any other.)		
1.	Examining Effectivenes s of Online Teaching in Response to Covid-19 Pandemic: An Indian Context	Dr. Satish Kumar	ICSSR	Govt. of India	4.8	Completed
2	Working Capital Managemen t Practices after Global Financial Crisis in Indian Companies: Behavioral Finance Approach	Dr. Satish Kumar	ICSSR	Govt. of India	7.00	Completed
3	Financing Preferences and Practices- A Study of Small and Medium Enterprises in Maharashtra	Dr. Satish Kumar	ICSSR	Govt. of India	7.50	Completed
4.	An Empirical Investigatio n of	Prof. Awadhesh Bharadwaj	DST, GOI, New Delhi	Govt of India	16.93	Completed



	Ergonomic Intervention s in Handicraft Industry in Rajasthan with special reference to Gems and Jewellery industry.				4.8	
5.	Rural Women Empowerme nt and Sustainable Growth	Dr. Monica Sharma	DST, GOI, New Delhi	Govt. of India	28.40	Completed
6.	MNIT Innovation and Incubation Centre	Prof. Awadesh Bhardwaj	DST GOI, New Delhi	Govt. of India	49.72	Completed
7.	Impact assessment of DBT program OJAS	Dr. Divesh Kumar	Departme nt of Health, Governme nt of Rajasthan	Govt. of Rajasthan	24.92	Completed
8.	Diffusion of Environmen tal Sustainability Innovations in Hotels of Rajasthan State	Dr. Divesh Kumar	Indian Council of Social Science Research (ICSSR)	Govt. of India	7.0	Completed



S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsori ng Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Sp ecify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	"A study to understand the challenges and support mechanis m for adopting NEP 2020 among Anganwad i teachers in Rajasthan"	Dr. Aakanksha Kataria	ICCSR	Govt. of India	4.0	Ongoing
2.	An Empirical Investigati on of Anteceden ts and Remedies for Work- Life Balance of Females Healthcare Workers in Rajasthan using Quality Tool(s)	Dr. Reeta Singh	ICSSR, New Delhi	Govt.of India	8.0	Ongoing
3.	Perception and Awareness of Organic Products in India	Dr. ShridevDevji	Moreheal th Organics Sydney	Industry	2.05	Ongoing



New Consultancy Projects (Started in the year 2021-22)

S.	Name ofthe	Team	Client	Type of funding agency	Outlay	Complet
No.	Project	Members		(R&D/ academic/	(in	ed
				Industry/PSU/Govt./Spe	Lacs of	/Ongoing
				cify if any other.)	Rs.)	
	Sustainabili	Dr.	MayurUniquot	Industry	• • • • • •	Ongoing
	ty Partner	Monica	ers Limited -			
	Search	Sharma,	MayurUniquot			
	C02&	Dr.	ers Limited			
1.	LCA	Rajeev	Dodsar			
1.		Agrawal,				
		Prof.				
		G.S.				
		Dangayach				

DEPARTMENT OF CHEMISTRY

S.	Name of the	Principal	Sponsori	Type of funding	Outla	Completed
No.	Project	Investigator/	ng	agency (R&D/	y (in	/Ongoing
		Coordinator	Agency	academic/	Lacs	
				Industry/PSU/Govt./Sp	of	
				ecify if any other.)	Rs.)	
1.	Mechanistic and	Dr. Biman	DST-	R&D	49.22	Ongoing
	energetic aspects	Banyopadhyay	SERB,			
	of fast		Govt. of			
	heterogeneous		India			
	atmospheric					
	reactions on					
	water and ice					
	surfaces: A low					
	temperature IR					
	spectroscopic					
	investigation					
2.	The fate of	Dr. Pradeep	DST-	R&D	35.98	Ongoing
	nitrous oxide in	Kumar	SERB,			
	the atmosphere					
	A computational		Govt. of			
	study		India			



3.	Iron Group	Dr. Raj	CSIR	R&D	20.00	Ongoing			
	Metalcarbonyl	Kumar	New						
	Complexes of	Joshi	Delhi						
	Chalcogen								
	Functionalized								
	N-Heterocyclic								
	Carbenes								
	Synthesis								
	Characterization,								
	mechanistic								
	investigations								
	and bio-inspired								
	catalysis								
4.	Modeling the	Dr. Pradeep	DST-	R&D	33.85	Ongoing			
	reaction	Kumar	SERB,						
	energetics and		Govt. of						
	kinetics of		India						
	chemical								
	reactions								
	involving								
	species having								
	high								
	multireference								
	character								
5.	Development of	Prof. Ragini	DST	R&D	50.44	Ongoing			
	optoelectrochem	Gupta (Co-	(WTI),						
	ical sensor for	PI)	Govt. of						
	detection of ions		India						
	and pesticides in								
	drinking &								
	irrigation water								

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	S.	Name of the	Principal	Sponsoring	Type of funding agency	Outla	Completed
:	No.	Project	Investigator/	Agency	(R&D/ academic/	y (in	
			Coordinator		Industry/PSU/Govt./Spec	Lacs	/Ongoing
					ify if any other.)	of	
L						Rs.)	
	1.	Stereoselectiv	Dr. Sudhir	DST-	R&D	42.46	Ongoing
		e synthesis of	Kashyap	SERB,			
		rare-sugars		Govt. of			
		and unnatural		India			



	glycoconjugat es comprising 2-deoxy and 6-deoxy saccharides					
2.	Extracting the Value-added Nanoparticles from Metalbased Waste Materials for Catalyzing Organic Transformation Reactions	Dr. Sumit Kumar Sonkar	DST- SERB, Govt. of India	R&D	33.00	Ongoing

DEPARTMENT OF MATHEMATICS

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Speci fy if any other.)	Outla y (in Lacs of Rs.)	Completed /Ongoing
1.	Application of fractional calculus in the study of dynamics of cytosolic calcium ion in astrocytes	Dr. Ritu Agarwal	National Board for Higher Mathematic s (NBHM) DAE, GOI	Govt. of India	3.84	Ongoing
2.	Study of Various Structures of Spaces of Continuou s Functions	Dr. Varun Jindal	National Board for Higher Mathematic s (NBHM) Department of Atomic Energy, Govt of India	Govt. of India	2.96	Ongoing



S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specify if any other.)	Outla y (in Lacs of Rs.)	Completed /Ongoing
1.	Artificial intelligenc e (AI)-based model to assist radiologist s in silicosis screening using chest X-rays	Dr. Priyanka Harjule	Directorate of Specially Abled Persons, Governme nt of Rajasthan	Govt. of India	9.40	ongoing



DEPARTMENT OF PHYSICS

S. No.	Name of the Project	Principal Investigator/ Coordinator		Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Spe cify if any other.)	Outla y (in Lacs of	Completed /Ongoing
					Rs.)	
1.	SHI induced modifications of carbaon based nanocomposite	Dr. Rahul Singhal	IUAC New Delhi	R&D	11.50	ongoing
2.	Effect of low energy ion implantation on the structural and optical properties of KxNa1-x NbO3 thin films	Dr. Srinivasa Rao Nelamarri	IUAC, New Delhi	Govt. of India	10.00	Ongoing
3.	Track etched membrane based bimetallic nanowires for hydrogen sensing	Dr. Kamlendra Awsathi	IUAC- UGC, New Delhi	Govt. of India	10	Ongoing
4.	Radiation Transport Calculation for Radiation Dose in Space Environment	Dr. Kavita Lalwani	DRDO	Govt. of India	9.96	Ongoing
5.	Kinetic enhancement of MgH2 by the use of ternary oxides and its implementation as for Li ion battery	Dr. Manoj Kumar	INSPIRE -Fellow, DST, New Delhi	Govt. of India	20	Ongoing



6.	High Pressure	Dr. Manoj	WOS-A	Govt. of India	22.5	Ongoing
	and	Kumar	DST,			
	Magnetotransp ort studies on		New Delhi			
	magnetically		Denn			
	doped 3D					
	Topological					
	Insulators for					
	spintronics					
	device					
<u> </u>	applications		****			
7.	Tuning the	Dr. Manoj	IUAC,	Govt. of India	6.7	Ongoing
	properties of	Kumar	New Delhi			
	topological insulators by		Denn			
	ion					
	implantation					
8	Development	Dr. Manoj	UGC	Govt. of India	7.5	Ongoing
	of high	Kumar	DAE			
	pressure cells		CSR,			
	for magneto-		Indore			
	transport studies at					
	UGC-DAE					
	CSR, Indore.					
9.	Development	Dr.	SERB,	R & D	29.25	Completed
	of Carbon	Rajnish	New			_
	based materials	Dhiman	Delhi			
	for applications					
	in high energy					
	meta-air					
	battery cathodes.					
10.	Development	Dr.	SERB,	Govt. of India	25	Completed
10.	of High-	Debasish	New	Gove. or mara	25	Completed
	performance	Sarkar	Delhi			
	Energy Storage					
	Devices with					
	Earth					
	Abundant					
	Materials					



S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsorin g Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Spec ify if any other.)	Outla y (in Lacs of Rs.)	Completed /Ongoing
1.	Low energy ion irradiation induced moficiatonis of metal- fullerene nanocomposit e	Dr. Rahul singhal	IUAC New Delhi	R&D	11.50	Ongoing
2.	X-ray Absorption spectroscopy of single atom (Pt and Pt- group) based electrocatalyst s	Dr. Kamlendra Awsathi	UGC- DAE, Indore	Govt. of India	1.35	Ongoing
3.	Nanostructure d Carbon Electrodes for High-Voltage Hybrid Ion Supercapacito rs	Dr. Debasish Sarkar	ISRO RAC-S	Govt. of India	30.17	Ongoing
4.	In-situ and Operando X- ray Absorption Spectroscopy of the MoS2 Electrode to Reveal Its Charge Storage Mechanism in a Supercapacito r Cell	Dr. Debasish Sarkar	UGC- DAE CSR Indore	Govt. of India	7.30	Ongoing



5.	X-ray	Dr.	UGC-	Govt. of India	1.35	Ongoing
	absorption	Kamlendra	DAE			
	spectroscopy	Awasthi	CSR			
	of single atom		Indore			
	(Pt and Pt-					
	group) based					
	electrocatalyst					
	s					

Projects completed during the year 2021-22

S. No.	Name of the Project	Team Members	Client	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specif y if any other.)	Outla y (in Lacs of Rs.)	Completed /Ongoing
1.	Thermal annealing studies of metal- fullerene nanocomposti e	Dr. Rahul Singhal		R&D	29.50	completed
2.	Optical and structural properties of defects in rare	Dr. Kamlendr a Awsathi	IUAC -UGC, New Delhi	Govt. of India	7	Completed
	earth implanted ZnO nanostructures					
3.	Study the Radiation Damage Effects in Silicon Detectors (CO-PI)	Dr. Kavita Lalwani		Govt. of India	15.03	Completed
4.	Design, development and performance optimization of junctionless ZnO Bio-FE for pH sensing (CO-PI)	Dr. Kavita Lalwani		Govt. of India	9.43	Completed
5.	Testing particle physics models from cosmic microwave background and large scale structure observations.	Dr. Akhilesh Nautiyal	ISRO, DOS	Govt. of India	23.56	Completed

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New Research Projects (Started in the Year 2021-22):

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Spe cify if any other.)	Outla y (in Lacs of Rs.)	Completed /Ongoing
1.	Technology Disseminati on through Massive Open Online Courses for Skill Developmen t and Supporting Higher Education with Advanced Learning Analytics for Effective Teaching	Dr. Niraja Saraswat	RISL (A govt. of Rajasthan Undertaking) under corporate Social Responsibili ty head	R & D	28.75	Ongoing



11.4 FACULTY/STAFF POSITIONS

STATEMENT SHOWING THE STAFF POSITION

Academic Staff

S.No.	Designation	Sanctioned Strength	In position (On 31.3.2022)
1.	Director	1	1
2.	Professor	68	64
3.	Associate Professor	135	55
4.	Assistant Professor	270	153
5.	Sports Officer	-	1

Non -Teaching Staff

S. No.	Name of Cadre	Total sanctioned posts	Officers/ officials structured in the cadre
A.	Officers	47	24
	(10 percent of faculty strength)		
1.	Registrar	1	-
2.	Deputy Registrar	6	5
3.	Assistant Registrar	16	10
4.	Executive Engineer	2	-
5.	Librarian	1	1
6.	Deputy Librarian	1	-
7.	Assistant Librarian	3	2
8.	Medical Officer	5	-
9.	Senior Student Activity and Sports (SAS)	1	-
	Officer		
10.	Student Activity and Sports (SAS) Officer	2	1
11.	Senior Scientific/ Technical Officer	1	1
12.	Scientific/ Technical Officer	8	4
B.	Technical Higher	141	46
	(30 percent of faculty strength)		
1.	Technical Assistant / Library and	57	0
	Information Assistant / Junior Engineer		
2.	Senior Technical Assistant / Library and	42	17
	Information Assistant / Assistant Engineer		
3.	Technical Assistant / Library and	28	23
	Information Assistant / Assistant Engineer		
	(Selection Grade II)		
4.	Technical Assistant / Library and	14	6
	Information Assistant / Assistant Engineer		
	(Selection Grade I)		
C.	Technical Lower	142	87
	(30 percent of faculty strength)		



	_		
1.	Technician / Work Assistant	57	36
2.	Senior Technician / Work Assistant	43	45
3.	Technician / Work Assistant (Selection	28	1
	Grade – II)		
4.	Technician / Work Assistant (Selection	14	5
	Grade – I)		
D.	Ministerial Higher	38	24
	(08 percent of faculty strength)		
1.	Superintendent	17	9
2.	Senior Superintendent	11	9
3.	Superintendent (Selection Grade – II)	06	6
4.	Superintendent (Selection Grade – I)	04	00
E.	Ministerial Lower	81	59
	(17 percent of faculty strength)		
1.	Junior Assistant	33	27
2.	Stenographer / Senior Assistant	24	22
3.	Senior Stenographer / Assistant (Selection	16	8
	Grade – II)		
4.	Stenographer (Selection Grade – II) /	08	1
	Assistant (Selection Grade – I)		
5.	Stenographer (Selection Grade – I)		1
F.	Supporting Staff	71	55
	(15 percent of faculty strength)		
1.	Attendant /Caretaker / Mali	29	21
2.	Senior Attendant /Caretaker / Mali	21	12
3.	Attendant /Caretaker / Mali (Selection	14	6
	Grade – II)		
4.	Attendant /Caretaker / Mali (Selection	07	16
	Grade – I)		
	GRANT TOTAL		
	(110 percent of faculty strength)		
			·

WORKING HOURS

The Institute during the year under report observed the following working hours:

1	Academic Departments	8.00 a.m. to 5.00 p.m. Monday to Friday
2	For employees working in	9:30 a.m. to 6:00 p.m. Monday to Friday
	the Administrative Block	
3	Hostels	Round the clock (shift –wise)
4	Estate Department	8.00 a.m. to 5.00 p.m. on all the days of the week and on
		Sunday, a few members of the staff are called on duty to
		attend emergency services.
5	Library	Shift wise



11.5 STAFF MEMBERS SPONSORED FOR TRAINING AND LEARNING

DEPARTMENT OF ARCHITECTURE AND PLANNING

S.	Name of	Title of Event	Place	Date(s)	Title of	Theme	Funding
No.	the				Keynote		Agency
	Faculty				address		
1.	Dr.	Five Days Capacity	DIT -	03 - 12	Building	Energy	DIT
		Buildinge-Workshop	Dehradun	Septemb	Performance	Efficiency	Dehradun
	Kumar	on Building Energy		er 2021	Simulation		
		Performance Simulation			and Various		
					Tools		

Seminar/Conference/Workshop/Short Term Course organized:

S	Name of the	Designation	Title of Event	Place	Date(s)	Funding
No.	Organizing Secretary				, ,	Agency
1.	Prof. Tarush Chandra	Profesor	National	MNIT	23rd to	MNIT
	Dr. Nand Kumar	Associate	Conference	Jaipur	24th	Jaipur
	Dr. Satish Pipralia	Professor	on		July	
	Dr. Ashwani Kumar	Assiatant	'CITIES2050:		2021	
	Dr. Bhavna	Professor	Planning,			
	Shrivastava		Governance			
	Dr. Gireendra Kumar		and			
			Management			



DEPARTMENT OF CHEMICAL ENGINEERING

Keynote addressesdelivered by the Faculty in Seminar/Symposia/Workshop/Conference

S. No.	Name of the	Title of Event	Place	Date(s)	Title of Keynote	Theme	Funding Agency
110.	Faculty				address		
1.	Dr. Hrushikes h M. Gade	National Chemistry Week Celebration	American Chemical Society, Delhi Technological University	Oct- 2021	"Computation al Perspectives of Chemistry"	Talk	
2.	Dr. Lovjeet Singh	Guest Lecture	Jaipur National University	Feb- 2022	Nanostructure d Materials: Synthesis, Characterizati on and Applications	Talk	
3.	Dr. Rohidas Gangara m Bhoi	ATAL FDP on Environment, Energy, Health and Safety: Trends and Industrial Aspects (FDP ID-893)	K. K. Wagh Polytechnic, Nashik- 422003 (online mode)	May- 2021	"Green Manufacturin g Practices"	Talk	
4.	Dr. Rohidas Gangara m Bhoi	One-week national level FDP on Advances in Fluid Heat and Mass Transfer	Sir Visvevaraya Institute of Technology, Nahisk (onlinemode)	July- 2021	"Heat Integration and Pinch Analysis"	Talk	
5.	Dr. Shiv Om Meena	MSME- Development Institute, Ministry of Micro Small and Medium Enterprises, Jaipur in association with World Trade Center Jaipur organize	Online	July- 2021	SINGLE USE PLASTICS	Talk	



6.		MSME-	Online	Oct-	Transition	Talk	
"	Dr. Shiv	Development		2021	from Single		
	Om	Institute,		2021	Use Plastic to		
	Meena	Ministry of			Alternate		
	IVICCIIA	Micro Small			Material &		
		and Medium			Technology		
		Enterprises,					
		Jaipur in					
		association					
		with World					
		Trade Center					
		Jaipur organize					
7.	Dr.	Online Short-	Lovely	Aug-	Sampling	Talk	
	Surajit	Term Course	Professional	2021	methods and		
	Ghosh	on Material	University		Interpretation		
		Characterizatio	[of results		
		n: Analysis			acquired by		
		and			FE-SEM,		
		Interpretation			EDS		
8.	Dr.	Online Short-	Lovely	Aug-	Instrumentatio	Talk	
0.	Surajit	Term Course	Professional	2021	n of FE-SEM,	Tunk	
	Ghosh	on Material	University	2021	EDS and		
	Gilosii	Characterizatio	Oniversity		TEM		
		n: Analysis			LEWI		
		•					
		and					
	D.	Interpretation	D1	G	TT1	T/	
9.	Dr.	Workshop	Parul	Sep-	Hydrodynamic	Keynote	
	Virendra	entitled Recent	University	2021	Cavitation		
	Kumar	Trends in	Gujarat		assisted		
	Saharan	Advanced			Advanced		
		Oxidation			Oxidation		
		Processes for			Processes for		
		Wastewater			the		
		Treatment"			degradation of		
		organized by			biorefractory		
		Parul			pollutants		
		University					
		jointly with					
		L&T-S&L,					
		NASSCOM,					
		NIRVEDHA-					
		Tech and					
		University of					
		Surrey					
		Louitey			L		



	Participation of Faculty in National Seminar/Symposia/Workshop/Conference								
S.	Name of the	Title of Event	Place	Funding	Date(s)				
No.	Faculty			Agency					
1.	Dr. Md Oayes	Chaired a Session in the	Jaipur	MNIT	Apr-2021				
	Midda	International Conference		Jaipur and					
		on "Biotechnology for		The Biotech					
		Sustainable Agriculture,		Research					
		Environment and		Society,					
		Health"		India					
2.	Dr. Shiv Om	Advances in Chemical,	Jaipur	MNIT	Apr-2021				
	Meena	Biological and		JAIPUR					
		Environmental							
		Engineering (ICACBEE-							
		2021)							
3.	Dr. Surajit	International Conference	Jalandhar	Lovely	Jun-2021				
	Ghosh	on "Recent Advances in		Professional					
		Fundamental and		University					
		Applied Sciences-							
		RAFAS 2021"							
4.	Dipaloy Datta	International Chemical	NIT	MNIT	Sept 17-19, 2021				
		Engineering Conference	Jalandhar						
		2021 (ICheEC 2021) -							
		100 Glorious Years of							
		Chemical Engineering &							
		Technology							
5.	Dr. Manish	International Chemical	NIT	MNIT	Sept 17-19, 2021				
	Vashishtha	Engineering Conference	Jalandhar						
		2021 (ICheEC 2021) -							
		100 Glorious Years of							
		Chemical Engineering &							
		Technology							

Participation of Faculty in Short Term Courses in India

S.	Name of	Name of the Course	Place	Funding	Date(s)
No.	the Faculty			Agency	
1.	Dr. Surajit	Online Short-Term Course on	Lovely	NA	Aug-
	Ghosh	Material Characterization:	Professional		2021
		Analysis and Interpretation	University		
2.	Dr. Surajit	Online Short-Term Course on	Lovely	NA	Aug-
	Ghosh	Material Characterization:	Professional		2021
		Analysis and Interpretation	University		



Visit of Faculty Members to other Institutions

S. No.	Name of Faculty	Institution / Organization Visited	Purpose of Visit	Date(s) of Visit	Funding Agency
1.	Dr. Lovjeet Singh	Jaipur National University	External Examiner for Laboratory Course	Dec-2021	NA
2.	Dr. Surajit Ghosh	Vellore Institute of Technology	External Evaluator	Jun-2021	NA
3.	Dr. Surajit Ghosh	Jaipur National University	External Examiner	Dec-2021	NA

Seminar/Conference/Workshop/Short Term Course organized:

S-	Name of	Designation	Title of Event	Place	Date(s)	Funding
No.	the					Agency
	Organizing					
	Secretary					
1.	Dipaloy Datta (Organizing Secretary)	Assistant Professor	International Conference on Desalination and Water Treatment: Recent Technological Advancement, Challenges and Opportunities and Annual Congress of InDA (InDACON - 2022)	MBM Engineering College Jodhpur, Jodhpur	26th - 27th March, 2022	NA
2.	Dipaloy Datta (Convener)	Assistant Professor	International Conference on Environmental Pollution Abatement and Disaster Management (ICEPADM-21)	Department of Chemistry, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India	18-20 Oct 2021	NA



DEPARTMENT OF CIVIL ENGINEERING

Keynote addresses delivered by the Faculty in Seminar/Symposia/Workshop/Conference

		livered by the Facult	Place	•	
S. No.	Name of the Faculty	Title of Event		Date(s)	Title of Keynote address
1.	Dr. Amit Kumar		JUIT Waknaghat, HP	Jan 7th, 2021	Machine learning in waste management
2.	Prof. A.B. Gupta	A two-day webinar on Sustainable Development of Green Highways in India	Indian Roads Congress and Public Works Department, Rajasthan, at Rajputana Sheratan, Jaipur.	September 24, 2021	Green Materials for Durable Roadsin India
3.	Prof. A.B. Gupta	HYDRO 2021 – 26th International Conference on Hydraulics, Water Resources, and Coastal Engineering	SVNIT Surat, ISH, India.	December 23, 2021	Importance of water quality aspects in water resources planning
4.	Prof. A.B. Gupta	International Conference on Environmental science and engineering (icese), ESED	IIT Bombay	January 22, 2022	Taking observations to technology development through a scientific approach for evolving policy for society- centric solutions
5.	Prof. A.B. Gupta	Workshop on "A purview of Dimensions, Career Amplitudes, and Applied Research Latitudes in Multi-Disciplinary Realm of Environmental Science	Department of Environmental Science in Association, CURAJ, Kishangarh and RGNIYDICT	March 15, 2022	The philosophy and scope of Trans- disciplinary Research with special reference to the field of Environmental Sciences



S.	Name of the	Title of Event	Place	Date(s)
No.	Faculty			
1.	Dr. Pawan	Development of	Jaipur	September-2021
	Kalla	sustainable and Green		
		Highways in India		
		(Seminar)		
2.	Dr. Siddharth	Indian Geotechnical and	B R Ambedkar	19-20,
	Mehndiratta	Geoenvironmental	National Institute of	Novemeber,
		Engineering Conference	Technology Jalandhar	2021
		(Virtual Mode)		

Guest Lectures Organized in the Department

S. No.	Name of	Designation &	Topic of Invited	Date	Funding
	Speaker	Affiliation	Lecture		Agency
1.	Prof. Achintya N.	Department of Civil	Application of	18th	
	Bezbaruah	and Environmental	nanotechnology in	July,	
		Engineering, North	water treatment	2022	-
		Dakota State			
		University			
2.	Dr. Kumud	Indian Institute of	Sustainable nano	28th	
	Malika Tripathi	Petroleum And	carbon based	July,	
		Energy,	functional materials	2022	-
		Visakhapatnam,	for renewable energy		
		Andhra Pradesh	technologies		

Visit of Faculty Members to other Institutions

S. No.	Name of Faculty	Institution / Organization Visited	Purpose of Visit	Date(s) of Visit
1.	Dr. Amit Kumar	JUIT Waknaghat, HP	Keynote Speaker	Jan 7th, 2021
2.	Prof. A. B. Gupta	Indian Roads Congress and Public Works Department, Rajasthan, at Rajputana Sheratan, Jaipur.	Keynote Speaker	September 24, 2021
3.	Prof. A. B. Gupta	SVNIT Surat, ISH, India.	Keynote Speaker	December 23, 2021
4.	Prof. A. B. Gupta	IIT Bombay	Keynote Speaker	January 22, 2022



5.	Prof. A.B. Gupta	Department of Environmental Science in Association, CURAJ, Kishangarh and RGNIYDICT	Keynote Speaker	March 15, 2022
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Visitors to the Department

7 101001	s to the Departin				
S. No.	Name of the Visitor	Designation	Affiliation	Purpose	Date(s)
1.	Prof. Achintya N. Bezbaruah	Associate Professor	Department of Civil and Environmental Engineering, North Dakota State University	Guest Lecture	18th July, 2022
2.	Dr. Kumud Malika Tripathi	Ramalingaswami Faculty Fellow	Indian Institute of Petroleum and Energy, Visakhapatnam, Andhra Pradesh	Guest Lecture	28th July, 2022

Seminar/Conference/Workshop/Short Term Course organized:

S. No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date(s)
1.	Prof. M K Jat	Professor	Planning and Monitoring of Watershed Development Using Geospatial Techniques	MNIT, Jaipur	03-12-2021
2.	Prof B L Swami	Professor	15 Days Road Safety Auditors certification course	MNIT Jaipur	24-04-2021 to 08-05- 2021

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Keynote addresses by the Faculty in Seminar/Symposia/Workshop/Conference

S. No.	Name of the	Title of Event	Place	Date(s)	Title of Keynote	Theme	Funding Agency
1 10-	Faculty				address		rigency
1.	Pilli Emmanuel Shubhakar	Second International Conference on Advances in Computer Engineering	Hyder -abad	Aug- 2021	Blockchain Technologies	Advances in Computer Engineering and Communicati on Systems	VNRVJIET
		and Communicati on Systems (ICACECS- 2021)					



S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1.	Dr. Lavika Goel as Session Chair	Springer FICR International Conference on Rising Threats in Expert Applications and Solutions	Jaipur, India	Dept. of CS & De	7-8 th January 2022
2.	Dr. Lavika Goel as Session Chair	2nd International Conference on Artificial Intelligence and Computer Vision (AICV2021)	Morocco	Scientific Research Group in Egypt (SRGE) and the Computer, Networks, Mobility and Modeling Laboratory (IR2M), Hassan 1st University, Faculty of Sciences and Techniques, Settat , Morocco	28 th -30 th June 2021.
3.	Dr. Lavika Goel as Session Chair	IEEE sponsored 2021 International Conference on Innovative Computing, Intelligent Communication and Electrical System (ICSES 2021)	Online	Department of Computer Science and Engineering, St. Joseph's Institute of Technology, Chennai, Tamil Nadu, India	24-25, September 2021.
4.	Dr. Mushtaq Ahmed (Session Chair)	Third International Conference on Paradigms of Communication, Computing and Data Sciences (PCCDS 2022)	New Delhi, India	Dept. of ECE, MNIT Jaipur and Soft Computing Research Society,	05- July 2022.



5.	Dr.	International level	IIIT KOTA,	17-
	Mushtaq	Conference on 6th	Jaipur	December,
	Ahmed	International		2021 to 19-
	(Session	Conference on Soft		December,
	Chair)	Computing Theory		2021.
		and Applications		
		SoCTA2021		
6.	Dr.	Session chair in an	Dr. D. Y.	13th -14th
	Mushtaq	international e-	Patil	August 2021
	Ahmed	Conference on	Institute of	
	(Session	"Intelligent	Technology,	
	Chair)	Systems- 2021"	Pimpri,	
		(ICIS-2021)	Pune	

Participation of Faculty in Short Term Courses in India

S.	Name of	Name of the Course	Place	Funding Agency	Date(s)
No.	the				
	Faculty				
1.	Dr.	Faculty Development	Online	MeitY,	6th
	Lavika	Program on		Electronics and	September to
	Goel	Advanced Optimization		ICT Academies,	17th
		Techniques		MNIT Jaipur, NIT	September
		and hands-on with		Patna, IIITDM	2021.
		MATLAB/SCILAB		Jabalpur & mp;	
				IIT	
				Guwahati. This	
				programme is	
				endorsed by	
				NBA/AICTE/UGC	



Visit of Faculty Members to other Institutions

S. No.	Name of Faculty	Institution / Organization Visited	Purpose of Visit	Date(s) of Visit	Funding Agency
1.	Pilli Emmanuel Shubhakar	AV Parekh Technical Institute, Rajkot, India	Invited Talk on Cloud Security in one-week Online Refresher Programme on Mobile and Cloud Security: Challenges and Direction	Jun-2021	AICTE- ISTE
2.	Pilli Emmanuel Shubhakar	Govt Engineering College, Ajmer, India	Invited Talk on Blockchain Security in Faculty Development Program on Cyber Security: A step towards Awareness to Cybercrime	Jun-2021	AICTE - ATAL
3.	Pilli Emmanuel Shubhakar	NIT Patna, India	Invited Talk on Creating Quality Figures using Dia and Xfig in Online Programme on Digital Tools for Writing Authoring and Reviewing Manuscripts	Jul-2021	EICT Academy
4.	Pilli Emmanuel Shubhakar	NIRMA University, Ahmedabad	Invited Talk on Security and Privacy Issues in Blockchain and variants like Ethereum and Monero	Jul-2021	GUJCOST
5.	Pilli Emmanuel Shubhakar	Cochin University of Science and Technology, Kochi,	Invited Talk on Intrusion Detection in Cloud in Faculty Development Program on Cyber Security Oversight for Information Protection	Jul-2021	AICTE - ATAL
6.	Pilli Emmanuel Shubhakar	NIT Arunachal Pradesh, India	Invited Talk on Security and Privacy Issues in Blockchain and variants like Ethereum and Monero inFaculty Development Program on Blockchain Technology and Cryptocurrency	Aug-2021	AICTE - ATAL



7.	Pilli Emmanuel Shubhakar	Govt Women's Engineering College, Ajmer, India	Invited Talk on Internet of Healthcare Things (IoHT) in Faculty Development Program on Internet of Things (Applications to Medical Science)	Aug - 2021	AICTE - ATAL
8.	Pilli Emmanuel Shubhakar	Guru Jambheshwar University of Science &Technology, Hisar, India	Invited Talk on Cloud Security in one-week One- week Online Faculty Development Programme on Information and Cyber Security	Sep -2021	AICTE
9.	Pilli Emmanuel Shubhakar	NIT Sikkim, India	Invited Talk on Mobile Edge Computing in Faculty Development Program on Fog and Edge Computing Challenges and Research Directions	Sep-2021	AICTE- ATAL
10.	Pilli Emmanuel Shubhakar	Graphic Era University, Dehradun, India	Invited Talk on Apache Hadoop Ecosystem in Faculty Development Program on "Data Science"	Oct-2021	AICTE- ATAL
11.	Pilli Emmanuel Shubhakar	HRD Center, JNTU Hyderabad	Invited Talk on Elements of Game Theory, Crypto Currencies, Security Issues in Blockchain in One-week online Short-Term Training Program on Blockchain and its Applications	Oct-2021	AICTE
12.	Pilli Emmanuel Shubhakar	Sardar Patel University of Police, Security and Criminal Justice, Jodhpur, India	Invited Talk on Security and Privacy Issues in Blockchain and variants like Ethereum and Monero in Faculty Development Program on Cyber Security	Oct-2021	AICTE - ATAL
13.	Pilli Emmanuel Shubhakar	NIT Sikkim, India	Invited Talk on Introduction to Cloud Forensics and Attribution in Cloud Forensics in Faculty Development Program on Cloud Forensics: Techniques, Challenges and Research Directions	Oct -2021	AICTE - ATAL



14.	Pilli Emmanuel Shubhakar	SRM Institute of Management, Ghaziabad, India	Invited Talk on Security and Privacy Issues in Blockchain and variants like Ethereum and Monero in Faculty Development Program on Cyber Security	Oct-2021	AICTE - ATAL
15.	Pilli Emmanuel Shubhakar	IIIT Pune, India	Invited Talk on Cloud Security and Forensics in Faculty Development Program on Cyber Security and Digital Forensics	Dec -2021	AICTE - ATAL
16.	Pilli Emmanuel Shubhakar	NIT Sikkim, India	Invited Talk on Cloud Security in Faculty Development Program on Cyber Security: Challenges and Evolving Solutions	Dec-2021	AICTE - ATAL
17.	Pilli Emmanuel Shubhakar	MNNIT Allahabad, India	Invited Talk on Blockchain Security in Faculty Development Program on Information Security: Issues and Challenges (ISIC-2021)	Dec-2021	N/A
18.	Pilli Emmanuel Shubhakar	Jabalpur, India	Invited Talk on Security and Privacy Issues in Blockchain and Atomic Swap between two Blockchains EICT Academy Joint Online Programme on Blockchain Technologies and Applications	Jan-2022	EICT Academy
19.	Pilli Emmanuel Shubhakar	Central University of Rajasthan, Bandar Sindri	Invited Talk on Data Analytics through Hadoop Ecosystem and NoSQL Databases in Five Day Faculty Development Program (Online) on Current Trends and Future Prospects in Data Science	Jan-2022	AICTE
20.	Pilli Emmanuel Shubhakar	Shri Shankaracharya Technical Campus, Bhilai, India	Invited Talk on Blockchain Management & Security and Cloud Security in Six Days Induction/Refresher Programme on Cyber Security& Autonomy	Jan-2022	N/A



21.	Pilli Emmanuel Shubhakar	IIIT Kota,India	Invited Talk on Research Challenges in Quantum Computing in One Week Workshop on Quantum Computing	Jan-2022	DRDO
22.	Pilli Emmanuel Shubhakar	Cochin University of Science and Technology, Kochi, India	Invited Talk on Security & Privacy Issues in Blockchain in Two-week International Winter School on Cyber Security and Threat Intelligence	Jan-2022	N/A
23.	Pilli Emmanuel Shubhakar	SRMIST, Delhi NCR, India	Invited Talk on Security and Privacy Issues in Blockchain and Atomic Swap between two Blockchainsin Blockchain Technology Faculty Orientation Programme	Jan-2022	AICTE- ISTE
24.	Pilli Emmanuel Shubhakar	Doon University, Dehradun, India	Invited Talk on Research Terminologies and Reference Management Using Mendeley in seminar organized by the Technical Club	Feb – 2022	N/A
25.	Pilli Emmanuel Shubhakar	NIT, Uttarakhand	Invited Talk on Recent Trends in Security and Computing in Five Days Online Faculty Development Programme (FDP)	Mar –2022	N/A
26.	Lavika Goel	BITS Pilani	Appointed as the Doctoral Advisory Committee member of Mr. Farhan Khan, research scholar at BITS Pilani for thesis examination and review	December, 2021	Dept. of Civil Engg., BITS Pilani
27.	Neeta Nain	Michigan State University, USA	Short Term Research Collaboration	2 Sept- 20 Nov-2022	MSU, USA
28.	Mahipal Jadeja	Amity School of Engineering &Technology, Amity University Rajasthan	Invited talks on Introduction to Deep Learning and Convolution Neural Network (CNN) (with Hands-on),	August 2021	AICTE - ATAL



29.	Mahipal Jadeja	Amity School of Engineering & Technology, Amity University Rajasthan	Graph Neural Networks (GNNs): Deep Learning on Social Networks (with Hands-on)	August 2021	AICTE - ATAL
30.	Namita Mittal	GEU, Deharadun	Invited talk on Text Analytics in FDP on DATA SCIENCE	4th- 8th October 2021	AICTE - ATAL
31.	Namita Mittal	Tirunelveli	Invited talk on Data Sources Electronic and Health Record - Images and Text in One Week Online Induction/Refresher Programme on Medical Data Analytics with Python	04-10 Jan 2022	AICTE – ISTE
32.	Namita Mittal	SRMIST, Delhi NCR	Invited talk on Blockchain vs Databases in Blockchain Technology FDP	Feb 2022	AICTE- ISTE
33.	Namita Mittal	Vivekananda Institute of Technology, Jaipur	Invited talk on Introduction of Data Science and Data Analytics in FDP on "The Emerging Era of Data Science"	21st February – 25th February	NA
34.	Namita Mittal	NIT Warangal	Invited talk on Sentiment Analysis in FDP on "Natural Language Processing".	19th -28th February 2022	EICT Academy NITW
35.	Mushtaq Ahmed	GEC, Barmer	Invited Talk in AICTE ISTEAICTE ISTE one week online refresher on Digital Safety and Wellbeing: Tools and Technique	Jan-2022	AICTE
36.	Mushtaq Ahmed	Institute of Engineering & Technology (IET), Alwar	Invited Talk on "Cloud Analysis and Security" in AICTE STTP on Protection Of Big Data Privacy Via Encrypted Cloud Data	29- 30 Jul- 2021	AICTE
37.	Mushtaq Ahmed	ABESIT Gaziabad	Invited Talk on "Opportunistic Network"	29-May- 2021	
38.	Mushtaq Ahmed	Govt. Engineering College, Bikaner	TEQIP-III sponsored one week online FDP on "Emerging Technologies in Computer Engineering	14-20 March 2022	



Visitors to the Department

Seminar/Conference/Workshop/Short Term Course organized:

S. No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date(s)	Funding Agency
1.	Dr. Arka Prokash Mazumdar	Assistant Professor	Social Robotics & AI	MNIT Jaipur	28-06- 2021 to 04-07- 2021	EICT Global
2.	Dr. Deepak Ranjan Nayak	Assistant Professor	Social Robotics & AI	MNIT Jaipur	28-06- 2021 to 04-07- 2021	EICT Global
3.	Dr. Dinesh Gopalani and Dr. Mahipal Jadeja	Associate Professor /Assistant Professor	Android APP development using JAVA	MNIT Jaipur	23-10- 2021 to 01-11- 2021	EICT Academy
4.	Dr. Namita Mittal and Dr. Mahipal Jadeja	Assistant Professor	Natural Language Processing	MNIT Jaipur	07-02- 2022 to 18-02- 2022	EICT Academy
5.	Dr. Meenakshi Tripathi	Associate Professor	Machine Learning for Computer Vision	MNIT Jaipur	21-02- 2022 to 05-03- 2022	EICT Academy
6.	Dr. Mushtaq Ahmed	Associate Professor	Blockchain Technology and Its Applications	MNIT Jaipur	6/09/21- 10/09/21	ATAL
7.	Dr. Mushtaq Ahmed	Associate Professor	National level Workshop on PROTEUS VSM: 8051, IoT Builder for Arduino, AVR for IoT, and Robotics Simulation	MNIT JAIPUR, Jaipur City, INDIA	06-05- 2022 to 07-05- 2022	



वीद्याशक						
8.	Dr. Mushtaq	Associate	International	IIIT	17-12-	
	Ahmed	Professor	level	KOTA,	2021 to	
			Conference	Jaipur,	19-12-	
			on 6th	India	2021	
			International			
			Conference			
			on Soft			
			Computing			
			Theory and			
			Applications			
			SoCTA2021			
9.	Dr. Namita Mittal	Associate	Data Science	MNIT	12-04-	EICT
		Professor		Jaipur	2021 to	Academy
				1	23-04-	MNIT
					2021	Jaipur
10.	Dr. Pilli	Associate	Blockchain	MNIT	03-01-	EICT
	Emmanuel	Professor	Technology	Jaipur	2022 to	Winter
	Shubhakar		and		08-01-	
			Applications		2022	
11.	Dr. Pilli	Associate	Quantum	MNIT	27-09-	EICT
	Emmanuel	Professor	Computing	Jaipur	2021 to	Autumn
	Shubhakar			_	08-10-	Global
					2021	Course in
						partnership
						with IBM
12.	Dr. Yogesh Kumar	Associate	Python	MNIT	26-07-	EICT
	Meena	Professor	Programming	Jaipur	2021 to	
				1	06-08-	
					2021	



DEPARTMENT OF ELECTRICAL ENGINEERING

Keynote addresses delivered by the Faculty in Seminar/Symposia/Workshop/Conference

S. No.	Name of the Facul ty	Title of Event	Place	Date(s)	Title of Keynote address	Theme	Funding Agency
1.	Dr. Kapil Shukla	International Workshop on Recent Advancements in Electric Vehicle Technology and connected Fields	Anand ICE Jaipur	08/02/2 022	PWM Technique s for VSIs	Workshop	-
2.	Dr. Kapil Shukla	Online Short Term Training Program on IoT and Intelligent Techniques for Electrical Engineering	MANIT Bhopal	22/09/2 021	Switching technique s for Interleave d VSIs	STTP	-
3.	Dr. Kapil Shukla	AICTE ISTE Sponsored one week Induction Program on "Microgrid Scenario & Control" Phase II	RIET Jaipur	03/05/2 021	PWM Technique s for DC to AC Converter s used in Microgrid s	Induction Program	AICTE
4.	Dr. Man Mohan Garg	STTP	Hyderabad, India	May 17-22, 2021	Design, Modeling and Control of Power Electronic Converter s for EV Applicatio ns	Electric Vehicle	AICTE
5.	Dr. Man Mohan Garg	ATAL FDP	Puducherry Technological University,	Sept 13- 17, 2021	Design and Optimizat ion of EV	Electric Vehicle	AICTE



			Puducherry, India		Charging Technolo gy in Smart Grid Platform		
6.	Dr. Man Mohan Garg	FDP	GRIET, Hyderabad, India	March 16-24, 2022	Power Electronic s for Electric Vehicles and Renewabl e Energy Systems	Electric Vehicles and Renewabl e Energy	EICT
7.	Dr. Man Mohan Garg	STTP	Hyderabad, India	May 17-22, 2021	Design, Modeling and Control of Power Electronic Converter s for EV Applicatio ns	Electric Vehicle	AICTE
8.	Prof. Rajesh Kumar	Energy Efficiency Conference	South Africa	Nov- 2021	Peer-to- Peer Trading Practices Towards Increased Energy Utility		
9.	Prof. Rajesh Kumar	International Conference on Recent Advancements in Science, Engineering,Tech nology and Management (ICRASTEM 2021)	Jaipur	Oct- 2021	Convoluti onal Neural Networks: Concept, Architectu res, Challenge s and Applicatio ns		



10.	Prof. Rajesh Kumar	6th International Conference on Soft Computing: Theories and Applications (SOCTA 2021)	Jaipur	Aug- 2021	PC-GNN: Pearson Correlatio n based Graph Neural Network for Human Lower Limb Activity Recogniti on
11.	Prof. Rajesh Kumar	2nd International Conference on Innovations in Computational Intelligence and Computer Vision (ICICV 2021)	Jaipur	Aug- 2021	Intelligent Robotic Motion Control: Challenge s and Solutions
12.	Dr. Prerna Jain	STC on " Restructured Electricity Supply System: Operation and Planning"	MNIT Jaipur	Apr- 2021	Security Constrain ed Unit Commitm ent Under Renewabl e And Storage Integratio n
	Prerna Jain	STC on "Restructured Electricity Supply System: Operation and Planning"	MNIT Jaipur	Apr- 2021	Trading Strategies Electric Vehicle Aggregato r for Multiple Markets
14.	Dr. Satish Sharma	FDP on "Advancement in Engineering Applications"	Dept. of EE, EC Jhalawar	Mar- 2022	Optimal allocation of Distributi on



					network		
15.	Dr. Saravana Prakash P	One Week Online Induction/Refresh er Programme	Rajasthan Institute of Engineering and Technology, Jaipur	Apr-2021	Microgrid Scenario & Control (Phase I)	Microgrid	AICT E- ISTE
16.	Dr. Saravana Prakash P	Guest Lecture	St. Josephs College of Engineering, Chennai	Jun-2021	Harmonic Studies in HVDC Converter Station	HVDC	
17.	Dr. Saravana Prakash P	SERB Sponsored One Day National Level Seminar	IFET College of Engineering, Villupuram	Dec-2021	Introducti on of Electric Vehicles and Its Infrastruct ure Developm ent	Electric Vehicles	
18.	Dr. Saravana Prakash P	One-week Refresher Course on "Grid Connected Electric Vehicle Charging Station With Renewable Energy Power"	A.V.C. College of Engineering, Mayiladuthurai, Tamilnadu	Dec-2021	Power Electronic Converter s for EV Charging Applicatio n	Electric Vehicles	AICT E- ISTE
19.	Dr. Saravana Prakash P		Achariya College of Engineering and Technology, Puducherry	Dec-2021	Power Electronic Converter s for E- Vehicle	Electric Vehicles	
20.	Dr. Saravana Prakash P	SERB Karyashala High end Workshop on Application of Artificial Intelligence in Power System	National Institute of Technology Calicut (NITC), Kerala	Jul-2022	Power Quality Issues and Mitigation in HVDC Systems	HVDC	



		Operation and					
21.	Dr. Sandeep N	Control Two Week Faculty Development Program	Bikaner	Mar- 2022	Solar Multilevel Inverters	Solar Multilevel Inverters	
22.	Dr. Sandeep N	E&ICT Funded Training Programme on Electric Vehicles and Mobility	Online	Mar- 2022	Multilevel Inverters with Reduced Part Count	Multilevel Inverters	
23.	Dr. Sandeep N	Five-day online FDP on Recent Trends in Power Electronics, Controllers and Power Systems (RTPECPS-2021)	GMRIT AP	Jul- 2021	Switched- Capacitor Multilevel Inverters	Multilevel Inverters	
24.	Dr. Sandeep N	One Week Online Workshop conducted by IEEE PES Student Branch Chapter ,School of Electrical and Electronics Engineering, REVA University in association with IEEE PES Bangalore Section.	Bangalore	Apr- 2021	Power Converter s for Grid- Connecte d PV System	Solar P.V.	
25.	Dr. Sandeep N	TEQIP III Sponsored One- week Online Workshop on "Advanced Materials for Power Electronics Circuits" from 1st March 2021 to 5th March 2021	BMSCE, Bangalore	Mar- 2021	Boosting Multilevel Inverters: Applicatio ns and Challenges	Multilevel Inverters	
26.	Dr. Ravita	AICTE ISTE Sponsored one	RIET Jaipur	May- 2021	Photovolt aic	Advance d PV	



	Lamba	week Induction Program on "Microgrid Scenario & Control" Phase II			Assisted Thermioni c Emission :An Advanced PV Technolo gy	Technology	
27.	Dr. Ravita Lamba	AICTE ISTE Sponsored one week Induction Program on "Microgrid Scenario & Control" Phase II	RIET Jaipur	May- 2021	Direct Energy Conversio n Based options for integratio n with photovolt aic systems	Photovoltaic systems	
28.	Dr. Ravita Lamba	Summer Training Session	Government Engineering College, Bikaner, Rajasthan	Jun- 2021	Solar Photovolt aic System Modeling using MATLAB Simulink	Modeling using MATLAB	
29.	Dr. Ravita Lamba	Summer Training Session	Government Engineering College, Bikaner, Rajasthan	Jun- 2021	Solar Energy Systems and Technolo gies	Solar Energy	
30.	Dr. Ravita Lamba	FDP on "Application of AI in EE for Performance Improvement of Various Sectors- 2021"	EEE Department (Online mode), MadanapalleIn stitute of Technology & Science, Madanapalle, AP, India	Aug- 2021	Advanced Direct Energy Conversio n Technolo gies for Power Generatio n"	Energy Conversion Technologies	



31.	Dr. Ravita Lamba	Innovation Day Celebration	Amity University Haryana	Sep- 2021	Solar Operated Direct Energy Conversio n Options for Power Generatio n	Solar Operated Energy Conversion	
32.	Dr. Ravita Lamba	Invited Lecture	Government College Gurugram, Haryana	Oct- 2021	Solar Energy: Fundamen tals and Power Generatio n Options	Solar Energy	
33.	Dr. Ravita Lamba	AICTE-ISTE Sponsored Induction/Refresh er Programme on "Energy Conservation & Sustainability	Vivekananda Institute of Technology, Jaipur	Dec- 2021	Advanced Solar Energy Conversio n Systems	Solar Energy Conversion	
34.	Dr. Ravita Lamba	One Week Online Faculty Development Program On "Recent Advancements in Electrical Transportation Technologies"	Department of Electrical Engineering, Vivekananda Institute of Technology, Jaipur	Feb- 2022	Batteries for Electric Vehicle	Electric Vehicle	
35.	Dr. Ravita Lamba	AICTE-ISTE Sponsored Online Refresher Faculty Development Program on "Smart Systems & E-Mobilty Challenges"	Department of Electrical Engineering, Yashwantrao Bhonsale Polytechnic, Sawantwadi, Maharashtra.	Feb- 2022	Batteries for Electric Vehicle	Electric Vehicle	
36.	Dr. Ravita Lamba	One-Week Online Faculty Development Program on "Recent	Department of Electrical Engineering, GCET Jammu, India	Feb- 2022	Solar Based Advanced Direct Energy	Solar based Energy Conversion	



		Emerging Trends in Electrical Engineering (RETEE-2020)"			Conversion Technolo gies for Power Generation		
37.	Dr. Vinay Pratap Singh	AICTE-ISTE sponsored one week Induction Program on Developments and Applications in Renewable Energy	Department of Electrical and Electronics Engineering, Chhatrapati Shivaji Institute of Technology	Mar- 2022	Optimizat ion algorithm s used for control of renewable energy	Renewable energy	
38.	Dr. Vinay Pratap Singh	International Workshop	Center of Excellence, Department of Electrical Engineering, Anand International College of Engineering	Feb- 2022	The Electric Vehicle Technology Optimizat ion and its application	Electric Vehicle	
39.	Dr. Vinay Pratap Singh	ATAL sponsored five days FDP titled Recent trends in control system	Dept. of Electrical & Electronics Engineering, Chhatrapati Shivaji Institute of Technology, Durg	Aug- 2021	Different error indices and their use in controller design		
40.	Dr. Vinay Pratap Singh	ATAL sponsored FDP titled Soft computing techniques and their applications in electrical engineering	Department of Electrical Engineering, NIT Patna	Jul- 2021	Differential evolution algorithm and its applications in engineering		



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Keynote addresses by the Faculty in Seminar/Symposia/Workshop/Conference

S. No.	Name of the Faculty	Title of Event	Place	Date(s)	Title of Keynote address	Theme	Funding Agency
1.	Prof. (HAG) R.P. Yadav	Science and Technical Festival	BITS Mesra	22nd -28th Feb. 2022	Scientific Advancements in the Growth of Electronic Industry, The Future Ahead	Science and Technol ogy (Vigyan Sarvatra Pujiyate)	Office of PSA and Ministry of Culture, Govt. of India
2.	Prof. (HAG) R.P. Yadav	7th International Conference on Nanoelectronics Circuits & Communication Systems NCCS- 2021		Jan.2 9th- 30th, 2022	Emerging Trends in 5G Communication	Nanoele ctronics Circuits & Commun ication Systems (NCCS-2021)	Indian Society for VLSI Education
3.	Prof. (HAG) R.P. Yadav	STTP on Artificial Intelligence in Cooperative Noma (5G) Network"	Poorni ma College of Engine ering, Jaipur (Rajasthan)	Dece mber 21- 27, 2021	Non Orthogonal Multiple Access in 5G Communication	Faculty Develop ment Programme	AICTE- ISTE
4.	Prof. K.K. Sharma	FDP on Statistical inferences and Linear Algebra	Mahara shtra Technical University, Lonere		Sampling and compressive sensing	Signal Processing	AICTE
5.	Ritu Sharma	Workshop on Advances in Solar Photovoltaic –	BIAS Bhimtal	16th to 20th Febr	Carbon nano composite material- synthesis and characterization	Emerging material and	-



		Emerging Materials and Technologies		uary, 2022		Technol ogies	
6.	Ritu Sharma	Workshop on Thin Film Photovoltaics- Enabling the Era of Next Generation Solar Cells	BIAS Bhimtal	15- 19 Febu ray 2021	Solar cell device modelling on COMSOL	Next generatio n solar cell	-
7.	Dr. Bharat Choudhary	FDP on "Introduction to Low Power VLSI Design and Applications"	NIT, Warangal	29 Dece mber 2021	1. Designing of CMOS Combinational & Sequential Circuits and their Challenges 2. Alternatives to CMOS Logic Styles: Low Power Designs	VLSI Design	EICT Academy, Warangal
8.	ILASH ARMA	NationalWorks hopon TwoWeek OnlineGlobalS ummerFaculty Development Program	Electro nicsand ICTAca demy, MNIT Jaipur	06- 09- 2021 to17- 09- 2021	Advanced Optimiz ation Techniques and hands-on with MATLAB/SC ILAB		Electronics and ICTA cade my, MNIT Jaipur,
9.	Dr. Satyasai Jagannath Nanda	ATAL FDP on "Trends in Measurement and Control for System Automation"	Birla Institute of Techno logy Mesra, Ranchi Campus	28- 06- 2021 to 02- 07- 2021	Nature Inspired Optimization Techniques and Their Applications in System Automation		AICTE- ATAL
10.	Dr. Satyasai Jagannath Nanda	ATAL FDP on "Recent Trends in Digital Image Processing"	Depart ment of Comput er Engine ering, Poornima	07- 06- 2021 to 11- 06- 2021	Digital Image Processing Applications in Remote Sensing		



		Institute of Engine ering & Techno logy, Jaipur		
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S.	Name of the	Title of Event	Place	Funding	Date(s)
No.	Faculty			Agency	, ,
1.	Prof. HAG	Workshop in Hindi	MNIT	Govt. of	10/01/2022
	R.P. Yadav	Training	Jaipur	India	
2.	Prof. HAG	Vigilance Awareness	CIPET-	Ministry of	27/10/2021
	R.P. Yadav	Week-2021	Centre of	Chemicals	
			Skilling	and	
			and	Fertilizers,	
			Technical	Govt. of	
			Support	India	
3.	Dr.Ritu Sharma	FDP on Quantum	IIITDM	E&ICT	27-9-2021 to 8-
		Computing	Jabalpur		10-2021
4.	Dr.Rajesh Saha	AISP 2022	VIT AP	IEEE	12-14th
			University		February 2022
5.	Dr. Satyasai	7th IEEE International	MNIT	IEEE	20-12-2021 to
	Jagannath	Symposium on Smart	Jaipur		22-12-2021
	Nanda	Electronic Systems			
		(IEEE-iSES)			

Participation of Faculty in Short Term Courses in India

S.		Name of the Course	Place	Funding	Date(s)
No.	Faculty			Agency	
1.	Dr. Bharat	One-week Faculty Development	JIIT, Noida	Dept. of	26 July-
	Choudhary	Programme on "Advancements in		ECE,	31 July
		Wireless Communications &		ЈИТ,	2021
		Signal Processing –Leaping		Noida	
		Towards 5G"			



Guest Lectures Organized in the Department

S. No.	Name of Speaker	Designation &	Topic of Invited	Date	Funding
		Affiliation	Lecture		Agency
1.	Dr. Urvashi P.	Assistant	Big data streaming	7/10/2021	IEEE
	Shukla	Professor	analytics: Heuristic		Signal
		Department of	approach		Processing
		Computer			Student
		Science			Chapter,
		Banasthali			MNIT
		Vidyapith			Jaipur
2.	Dr. Rahul Kumar	Assistant	Emerging	11/10/2021	IEEE
	Chaurasiya	Professor	Applications of		Signal
		Department of	Brain-Computer		Processing
		ECE	Interface (BCI)		Student
		MANIT			Chapter,
		Bhopal			MNIT
					Jaipur

Visit of Faculty Members to other Institutions

S. No.	Name of	Institution /	Purpose of Visit	Date(s) of	Funding
	Faculty	Organization Visited		Visit	Agency
1.	Prof. HAG	Rajasthan Institute	Chief Guest in	23.02.2022	RIET
	R.P. Yadav	of Engineering and	Degree Distribution		
		Technology, Jaipur	Ceremony- 2022		
2.	Prof KK Sharma	MPUAT, Udaipur	As expert in	Jan 07, 2022	MPUAT
			selection committee		Udaipur



Seminar/Conference/Workshop/Short Term Course organized:

S.	Name of the	Designation	Title of Event	Place	Date(s)	Funding
No.	Organizing Secretary					Agency
1.	Dr. R. P.	Professor	International	MNIT	05-07,	Soft
1.	Yadav	(HAG)	Conference on	Jaipur	2022	Computing
	Dr. S.J.	Assistant	Paradigms of	Jaipai	2022	Research
	Nanda	Professor	Communication,			Society
			Computing and Data			
			Sciences- PCCDS- 2022			
2.	ECE Department	Coordinator	National Workshopon	Electronic	06-09-	EICT &
			Two Week Online	sand ICT	2021	Academy,
			Global Summer Faculty	Academy,		MNIT
			Development Program,	MNIT		Jaipur
			Advanced Optimization	Jaipur		
			Techniques andhands- on with			
			MATLAB/SCILAB			
3.	MNIT Jaipur	Organizing	InternationalConference	MNIT	13-12-	IEEE
5.	TVII VII VIII VIII VIII VIII VIII VIII	Committee	onIndian Conferenceon	Jaipur	2021	Rajasthan
			Antennas & Propagation	1 - 1		Subsection
			(In CAP-2021)			IEEEA
						PS
						Chapter
						Jaipur
4.	Dr. Rajesh	Local	FDP on MATLAB	MNIT	22-08-	EICT &
	Saha	Coordinator	Programming	Jaipur	2022	Academy, MNIT
						Jaipur
5.	Dr. Rajesh	Local	Research methodology	MNIT	25-07-	EICT &
]].	Saha	Coordinator	and authoring/reviewing	Jaipur	2022	Academy,
	Sana	Coordinator	Manuscripts	Janpan	2022	MNIT
			Triancis of the second of the			Jaipur
6.	Dr. Rajesh	Local	Scientific Computation	MNIT	21-03-	EICT &
	Saha	Coordinator	and GUI Development	Jaipur	2022	Academy,
			Using MATLAB			MNIT
<u> </u>						Jaipur
7.	Ravi Kumar	Coordinator	National Level	MNIT	12-07-	EICT &
	Maddila		Workshop on Digital	Jaipur	2021	Academy,
			Tools for writing, authoring and reviewing			MNIT Jaipur
			manuscripts			Jaipur
8.	Dr. Satyasai	Global	EICT Two Week Online	MNIT	06-09-	EICT &
"	Jagannath	Coordinator	Global Summer Faculty	Jaipur	2021	Academy,
	Nanda		Development Program			MNIT
			on Advanced			Jaipur
			Optimization			-
			Techniques and Hands-			
			on with			
			MATLAB/SCILAB			
			(AOT 2021)			



9.	Dr.	Local	EICT One Week Online	MNIT	03-01-	EICT
	Satyasai	Coordinat	Global Winter FDP on	Jaipur	2022	Academy,
	Jagannat	or	Machine Learning			IIT
	h Nanda		Application in Signal			Guwahati
			Processing and			
			Communication			
			Engineering			
10.	Dr.	Local	7th IEEE International	MNIT	20-12-	IEEE
	Satyasai	Organizing	Symposium on Smart	Jaipur	2021	
	Jagannat	Chair	Electronic Systems (IEEE-			
	h Nanda		iSES)			

DEPARTMENT OF MECHANICAL ENGINEERING

$Key note\ addresses\ delivered\ by\ the\ Faculty\ in\ Seminar/Symposia/Workshop/Conference$

S. No.	Name of the Faculty	Title of Event	Place	Date(s)	Title of Keynote address	Theme
1.	Prof. Dilip Sharma	Session moderator for session	Hotel Ramada by Wyndham, Lucknow, India	Dec, 2021	Fuels for Sustainable Transport at VI International Conference on "Sustainable Energy and Environmental Challenges"	Energy
2.	Dr. Jinesh Kumar Jain	Advances in Welding Technology & Applications	Jaipur	Mar, 2022	ICRITDME-2021	Welding Technology



S. No.	Name of the Faculty	Title of Event	Place	Date(s)
1.	Pankaj Kumar Gupta	Congress on Research in Engineering, Science & Management (CRESM 2022)	Padre Conceicao College of Engineering, Verna, Goa, India	10-03-2022
2.	Dr. Rajeev Agrawal	Advances in Production and Management Systems (APMS)- 2021 (5 September- 9 September, 2021)	Nantes, France	05-09-2021
3.	Dr. Rajeev Agrawal	4th European IEOM Rome Conference 2021	Rome, Italy	02-08-2021

Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Course	Place	Date(s)
1.	Dr. Gunjan Soni	Online Faculty Trainign on Artificial Intelligence and Machine Learining	IIT Kanpur	14-06-2021
2.	Dr. Gunjan Soni	Python Programming- a Practical Approach	IIT Kanpur	27-05-2021

Guest Lectures Organized in the Department

S. No. Nan	me of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date
1. Dr I	Himanshu Pathak	Assistant Professor at Indian Institute of Technology (IIT) Mandi, Mandi, Himachal Pradesh,	Fracture Modelling of Piezoelectric Materials Under Thermal- Mechanical-Electrical Loading	06-12-2021



Visit of Faculty Members to other Institutions

S. No.	Name of Faculty	Institution / Organization Visited	Purpose of Visit	Date(s) of Visit
1.	Dr. Harlal Singh Mali	SVNIT Surat	Expert Talk	February 2022
2.	Dr. Harlal Singh Mali	MITS, Gwalior	Expert Talk	September 2021
3.	Dr. Harlal Singh Mali	Tapi Diploma Engineering College	Expert Talk	August 2021
4.	Dr. Harlal Singh Mali	M.B.M Engineering College, Jodhpur	Expert Talk	August 2021
5.	Dr. Gunjan Soni	G H Patel College of Engineering & Technology	Expert Talk	April 2021
6.	Dr. Gunjan Soni	College of Engineering	Expert Lecture	August 2021
7.	Dr. Gunjan Soni	Graphic Era Hill University	Session chair	December 2021
8.	Dr. Gunjan Soni	NERIST	Expert Talk	July 2021
9.	Dr. Gunjan Soni	NERIST	Expert Talk	July 2021
10	Dr. Gunjan Soni	NERIST	Expert Talk	July 2021
11.	Dr. Manjinder Singh	AMU	Resource Person	June 2021
12.	Dr. Gunjan Soni	Panjab University	Session Chair	March 2021
13.	Dr. Rajeev Agrawal	Sardar Patel College of Engineering, Mumbai	Speaker	March 2021
14.	Dr. Gunjan Soni	G H Patel College of Engineering & Technology	Expert Talk	May 2021
15.	Dr. Anup Malik	Punjab Engineering College Chandigarh	Session Chair	November 2021



16.	Dr. Gunjan Soni	Velagapudi Ramakrishna	Expert Lecture	Sep-2021
		Siddhartha Engineering		
		College		
17.	Dr. Rajeev Agrawal	Advances in Production and	Organizer	Sep-2021
		Management Systems		
		(APMS)- 2021		

Seminar/Conference/Workshop/Short Term Course organized:

S. No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date(s)
1.	Dr. Anup Malik	Assistant Professor	3D Printing & Design for Innovative Medical Devices	Jaipur	28-06-2021
2.	Dr. Anup Malik/ Dr. Pankaj Kumar Gupta/ Dr. Tapas Bajpai	Assistant Professor	Advanced Manufacturing and Materials Processing (CAMMP 2021)	Jaipur	24-07-2021
3.	Dr. Rajeev Agrawal	Associate Professor	AICTE Training and Learning Advances in Pollution Control Technologies and Sustainable Development	Jaipur	02-08-2021
4.	Dr. Rajeev Agrawal	Associate Professor	APMS 2021 Conference (Advances in Production Management Systems)	Nantes	05-09-2021
5.	Dr. Gunjan Soni	Assistant Professor	Circular Manufacturing System	Jaipur	24-01-2022
6.	Dr. Pankaj Kumar Gupta/ Dr. Anup Malik/ Dr. Tapas Bajpai	Assistant Professor	Energy Conversion and Thermo Fluid Systems (i-Conects21)	Jaipur	19-11-2021



7.	Dr. M. L. Meena/ Dr. Harlal Singh Mali/ Dr. Anoj Meena	Associate Professor	International Conference of Advanced Manufacturing and Materials Processing (CAMMP-2021)	Jaipur	24-07-2021
8.	Dr. Rajeev Agrawal	Associate Professor	International Conference on Industrial Engineering and Management	Jaipur	17-12-2021
9.	Dr. Amar Patnaik	Associate Professor	Manufacturing and Processing of Advanced Metallic, Ceramic and Composite Materials	Jaipur	14-03-2022
10.	Dr. Gulab Pamnani	Assistant Professor	Modelling and Simulation Using ANSYS	Jaipur	05-03-2022
11.	Dr. Harlal Singh Mali	Associate Professor	One week FDP on 3D Printing and Design for Innovative Medical Devices	Jaipur	28-06-2021
12.	Dr. Harlal Singh Mali	Associate Professor	Online STTP on Introduction to Autodesk Fusion 360	Jaipur	18-04-2021

Seminar/Conference/Workshop/Short Term Course organized

Sr. No.	Name of the Organizing Secretary/ Conveners	Designation	Title of Event	Place	Date(s)
1.	Dr. Sreekumar V. M. Dr. Jyotirmaya Kar	Assistant Professor	Recent Advances in Metal Alloy Design and Processing	MNIT Jaipur	01-10-2021
2.	Prof. Jyotirmay Mathur, Prof. Tarush Chandra, Dr. Abhishek Tripathi	Professor, Professor, Assistant Professor	Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs	MNIT Jaipur	07-04-2021
3.	Dr. Swati Sharma	Assistant Professor	Fundamental of Metallurgy	MNIT Jaipur	23-07-2021



MATERIALS RESEARCH CENTRE

Keynote addresses delivered by the Faculty in Seminar/Symposia/Workshop/Conference

S. No.	Name of the Faculty	Title of Event	Place	Date(s)	Title of Keynote address	Theme
1.	Prof. Kanupriya Sachdev	ATAL FDP on "Recent Advances in Nanoscience and Nanotechnology"	RTU KOTA	Jan 2022	Carbon Materials for Energy Applications	Nano Science and Nano- Technology
2.	Prof. Ragini Gupta	One day webinar on Advances in Chemistry	Online	2 June 2021	Development of receptors for fluoride and aluminium ion	
3	Dr. Kamlendra Awasthi	2 Week advanced online professional training program	Suresh Gyan Vihar University Jaipur	1-15 March 2022	Polymer nanofilters for Energy Applications	Utlization of Nanomaterias&Intrumental techniques for Energy Applications

Participation of Faculty in National Seminar/Symposia/Workshop/Conference

S. No.	Name of the Faculty	Title of Event	Place	Date(s)
1	Dr. Kamlendra	2nd International Conference on	Jaipur	02-02-2022
	Awasthi	Nanomaterials in Biology		

Guest Lectures Organized in the Department

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date
1.	Prof. Yeontae Yu	Jeonbunk National University, South Korea	Recent research of semiconductor- based gas sensor and application of metal-oxide core-shell nanoparticles	30-03-2022
2.	Prof. Ada Yonath	Weizmann Institute of Science, Israel	Next Generation Antibiotics	04-04-2021

Visitors to the Department

S. No.	Name of the Visitor	Designation	Affiliation	Purpose	Date(s)
1.	V. K. Bindlish	Associate Vice president	Jindal Steels Ltd. Hisar	Characterization	13-08-2021



Seminar/Conference/Workshop/Short Term Course organized:

S. No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date(s)
1.	Dr. Nisha Verma	Asistant Professor	GIAN Course: Photoelectron Spectroscopy for Material Science	MRC, MNIT Jaipur	31-01-2022

DEPARTMENT OF MANAGEMENT STUDIES

Keynote addresses delivered by the Faculty in Seminar/Symposia/Workshop/Conference

S. No.	Name of the Faculty	Title of Event	Place	Date(s)	Title of Keynote address	Theme
1.	Dr. Satish Kumar	ATAL FDP on advance research methods with R	IIT Roorkee	14-08-2021	Bibliometric analsyis using R	-
2.	Dr. Ritika Mahajan	SDG-12 Responsible Consumption and Production	Defined Values Consultants Pvt Ltd, New Delhi	September 2021	Self-Actualized Leaders Network Global Summit 2021	-

Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Course	Place	Date(s)
1	Dr. Ritika	Qualitative Research Workshop	New Delhi	14-01-2022
	Mahajan			

Guest Lectures Organized in the Department

S.	Name of Speaker	Designation &	Topic of Invited Lecture	Date
No.		Affiliation		
1.	Mr Lovish Ahuja	Vice President, Tomra	Sustainability and CSR:	15-01-2022
		Systems	Key Opportunities and	
			Challenges	
2.	Ms Kirandeep Sandhu	Managing Partner,	Are you Ready to Speak	08-03-2022
		Leadership KARD	with Anyone, Anywhere,	
			anytime?	
3.	Ms Katharina Heby	Ekipa	Live Project- Innovate	30-03-2022
	_		2030	
4.	Mr. Deepak Verma	Senior Manager- M	Dos and don't for an	09-05-2022
		Square Media, Canada	interview, expectations Vs	
			reality	
5.	Prof. Neeraj Gupta	Dean and Head,	Being a successful	14-10-2021
		Depatment of	management professional:	
		Architecture,	Role of IQ, EQ, and SQ	
		CURAJ		



Visit of Faculty Members to other Institutions

S. No.	Name of Faculty	Institution / Organization Visited	Purpose of Visit	Date(s) of Visit
1.	Dr. Ritika Mahajan	Inkpothub	Interview	Mar-2022
2.	Dr. Ritika Mahajan	GD Goenka University	HR Summit	Feb-2022
3.	Dr. Ritika Mahajan	Government Polytechnic Jashpur	FDP	Feb-2022
4.	Dr. Ritika Mahajan	GGSIP University, New Delhi	Research Methodology Workshop	Dec-2021
5.	Dr. Ritika Mahajan	International Centre for Environment Audit and Sustainable Development	Training Program	Oct-2021
6.	Dr. Ritika Mahajan	TERI School of Advanced Studies	Doctoral Research Conference	Aug-2021
7.	Dr. Ritika Mahajan	St Josephs College of Commerce	National FDP	Aug-2021
8.	Dr. Ritika Mahajan	Centre for Research and Implementation of Sustainable Practices	S-Preneur Program	Jun-2021
9.	Dr. Ritika Mahajan	National Productivity Council, Jaipur	MSME Innovation Series by NPC, Ministry of MSME and GIZ	Jun-2021
10.	Dr. Ritika Mahajan	UNPRME Forum, Paris	United Nations Global Forum (PRME)	Jun-2021
11.	Dr. Ritika Mahajan	NIT Hamirpur	AICTE Atal Academy sponsored FDP	May-2021

Seminar/Conference/Workshop/Short Term Course organized:

S.	Name of the Organizing	Designation	Title of Event	Place	Date(s)
No.	Secretary				
1.	Dr. Monica Sharma	Organising Secretery	International Conference on Industrial Engineering and Management	MNIT Jaipur	17-12- 2021
2.	Dr. Divesh Kumar	Organizing Secretery	International level ConferenceICIEM 2021	Jaipur	17-12- 2021



DEPARTMENT OF CHEMISTRY

Keynote addresses delivered by the Faculty in Seminar/Symposia/Workshop/Conference

S.	Name of	Title of Event	Place	Date(s)	Title of Keynote	Theme
No.	the				address	
	Faculty					
1.	Dr. Manviri	ATAL FDP on Frontiers of	Department of Humanities	24/9/2021	Green Technology for	Green Technologies
	Rani	Green	& Sciences		environmental	
		Technologies:	Women		applications	
		Sustainability	Engineering			
		engineering	College,			
			Ajmer			
2.	Prof.	One day	Online	02/06/2021	Development of	
	Ragini	webinar on			receptors for	
	Gupta	Advances in			fluoride and	
		Chemistry			aluminium ion	
3.	Dr. Raj	FDP	Jaipur	June 2021	Sustainable and	
	K. Joshi				Greener	
					Approaches in	
					Industrial	
					Synthesis of	
					Various Value	
	P P .	DECE	T01	14 2021	added Products	
4.	Dr. Raj	RTCE	Bharatpur	Mar-2021	Sustainable,	
	K. Joshi				economical and	
					green methods for	
					the catalytic transformations of	
					various value	
					added organic	
					products	



Participation of Faculty in National Seminar/Symposia/Workshop/Conference

S. No.	Name of the	Title of Event	Place	Date(s)
	Faculty			
1.	Dr. Manviri Rani	International Webinar on	Online by	08-09-2021
		'Challenges and opportunities for	ACS	
		environment sustainability in	publications	
		world's fastest growing regions'		
2.	Dr. Manviri Rani	FDP on Frontiers of Green	Government	21-09-2021
		technoloy: Sustainable	Women	
		Engineering	Engineering	
			College,	
			Ajmer	
3.	Prof. Ragini Gupta	International Conference on Soft	MNIT Jaipur	15-12-2021
		Materials (ICSM 2020)		

DEPARTMENT OF PHYSICS

Keynote addressesdelivered by the Faculty inSeminar/Symposia/Workshop/Conference

S. No.	Name of the Faculty	Title of Event	Place	Date(s)	Title of Keynote address	Theme
1.	Prof. Kanupriya Sachdev	ATAL FDP on "Recent Advances in Nanoscience and Nanotechnology	RTU KOTA	Jan 2022	Carbon Materials for Energy Applications	Nano Science and Nano- Technology
3.	Dr. Kamlendra Awasthi	2 Week advanced online professional training program	Suresh Gyan Vihar University Jaipur	01-03-2022	Polymer nanofilters for Energy Applications	Utlization of Nanomaterias & Intrumental techniques for Energy Applications
4.	Dr. Kavita Lalwani	One Week Online High- End Workshop (Karyashala) on Software Tools and Techniques used in EHEP and its Applications	MNIT Jaipur	12-07-2021	Geant4: Handson Session	



5.	Dr. Kavita Lalwani	XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects	Virtual Event at Stony Brook University	12-04-2021	Belle II Experiment: Status and Prospects	
6.	Dr. Kavita Lalwani	65th DAE BRNS Symposium on nuclear physics	DAE Convention Center, Mumbai	01-05-2021	Geant4 Simulation for Hadronic Interactions in Space Radiation Environment	
7.	Dr. Kavita Lalwani	Am E "Zero-G" Space Con 2021	Jagannath University Jaipur	15-08-2021	Effect of Cosmic Radiation on Astronauts	

Participation of Faculty in National Seminar/Symposia/Workshop/Conference

S.	Name of the Faculty	Title of Event	Place	Date(s)
No.				
1.	Dr. Kamlendra Awasthi	2nd International Conference on Nanomaterials in Biology	Jaipur	02-02-2022
2.	Dr. Kavita Lalwani	65th DAE BRNS Symposium on Nuclear Physics	DAE Convention Center, Mumbai	01-12-2021
3.	Dr. Kavita Lalwani	Am E "Zero-G" Space Con 2021	Jagannath University Jaipur	15-08-2021
4.	Dr. Debasish Sarkar	Recent Advances in Condensed Matter and Materials Science (PhysiChem2021)	In Online Mode, organized by Cooch Behar Panchanan Barma University, Coochbehar- 736101	12-08-2021
5.	Dr. Debasish Sarkar	2-Week Advanced Training Program on "Utilization of Nano-materials and Instrumental Techniques for Energy Applications"	In Online Mode, Organized by Suresh Gyan Vihar University, Jaipur	01-03-2022



Participation of Faculty in Short Term Courses in India

S.	Name of the	Name of the Course	Place	Date(s)
No.	Faculty			
1.	Dr. Kavita	One Week Online High-End Workshop	MNIT Jaipur	12.07-2021
	Lalwani	(Karyashala) on Software Tools and		
		Techniques used in EHEP and its		
		Applications		

Guest Lectures Organized in the Department

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date
1.	Prof. Yeontae Yu	Jeonbunk National University, South Korea	Recent research of semiconductor-based gas sensor and application of metal-oxide core-shell nanoparticles	30-03-2022
2.	Dr. Aruna Kumar Nayak	Reader-F, IOP Bhubaneswar	Monte Carlo Simulation Methods (Hands-on)	12-07-2021
3.	Prof. Sanjay Kumar Swain	Professor, IOP Bhubaneswar	Accelerator Physics	12-07-2021
4.	Prof. James Libby	Professor, IIT Madras	Relativistic Kinematics	12.07-2021
5.	Prof. Gagan B Mohanty	Professor, TIFR Mumbai	Introduction to Silicon Detectors and Associated Technolog	12-07-2021
6.	Prof. S. Umasankar	Professor, IIT Bombay	Standard Model and Beyond	13-07-2021
7.	Satyanarayana Bheesette	Scientific Staff, TIFR	Indigenous developments of RPC technology and applications	1307-2021
8.	Prof. James Libby	Professor, IIT Madras	Flavour Physics: A Brief Tour	14-07-2021
9.	Prof. Sudeshna Bannerjee	Ex-member, TIFR	Calorimeters in Particle Hunting	14-07-2021
10.	Dr. Aruna Kumar Nayak	Reader-F, IOP Bhubaneswar	An introduction to Machine Learning in HEP	14-07-2021
11.	Prof. Bedangadas Mohanty	Professor, NISER	Quark Gluon Plasma: the perfect and most vertical fluid	15-07-2021
12.	Dr. Kavita Lalwani	Assistant Professor, MNIT Jaipur	Geant4 (Hands-on session)	15-07-2021



13.	Prof. Tarun Souradeep	NISER Pune	Gravitational waves: the new quest	16-07-2021
14.	Prof. Rohini M. Godbole	Professor, IISc	Why Fundamental Physics needs Megaprojects?	16-07-2021
15.	Dr. Sadhana Dash	Associate Professor, IIT Bombay	Probability and Statistical Tools	16-07-2021
16.	Prof. Srubabati Goswami	Professor, PRL	Neutrino Oscillation: Current status and future prospects	17-07-2021
17.	Dr. Takashi Yamanaka	Assistant professor, Kyushu University, Fukuoka, Japan	Muon g-2/EDM experiment at J-PARC and Software Techniques	19-07-2021
18.	Prof. Tom Browder	Professor, Univ. of Hawaii, Manoa, USA	Belle II status and prospects for New Physics	19-07-2021
19.	Dr Archana Sharma	Senior, Staff Scientist, CERN, Geneva	Current status, trends and applications of gaseous detectors	19-07-2021
20.	Prof. Abhay Deshpande	Professor, BNL, New York	Science and Status of the Electron Ion Collider	19-07-2021

Seminar/Conference/Workshop/Short Term Course organized:

S. No.	Name of the Organizing	Designation	Title of Event	Place	Date(s)
	Secretary				
1.	Dr. Kavita Lalwani	Assistant	One Week Online	MNIT	12-07-2021
		Professor	High-End	Jaipur	
			Workshop	_	
			(Karyashala) on		
			Software Tools		
			and Techniques		
			used in EHEP and		
			its Applications		

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES Keynote addresses/Invited Talks delivered by the Faculty in Seminar/Symposia/Workshop/Conference

S. No.	Name of the Faculty	Title of Event	Place	Date(s)	Title of Keynote	Theme
	-				address	
1.	Prof. Nupur	UGC	Dr. Babasaheb Ambedkar	02-03-22	Gender	Gender
	Tandon	Refresher	Marathwada University		Sensitization:	Sensitizati
		Course	Aurangaba		Issues and	on
					Concerns	

MNIT JAIPUR _____



2.	Prof. Manju	Research	MP institute of social	21-03-22	Fundamental	Philosophi
2.	Singh	Methodology	science research, Ujjain,	21-03-22	s of Social	cal
	Singii	Course for	India		Research	underpinni
		PDF/Ph.D./				ngs of
		M.Phil.				Social
		Scholars				Research
3.	Prof Manju	National	Council of Social	01-03-22	Education for	Many
	Singh	Conference	Development, Hyderabad		Better Future	Facets of
		"Many				Covid-19
		Facets of Covid-19				Pandemic
		Pandemic"				
4.	Prof. Manju	National	Council of Social	02-03-22	COVID-19	Many
'	Singh	Conference	Development, Hyderabad		Pandemic	Facets of
	\mathcal{E}	"Many	1 , 3		and Gender	Covid-19
		Facets of			Issues	Pandemic
		Covid-19				
	_	Pandemic"				
5.	Prof. Manju	Executive	Manipal University Jaipur	25-11-21	Talk entitled	Research
	Singh	Development			"Selection of	Proposal
		Program on			Topic for Research	and Literature
		"Writing a Research			Proposal and	Review
		Proposal",			Literature	Review
		Department			Review"	
		of Fine Arts				
		(Applied				
		Arts).				
6.	Prof. Manju	national	Online	29-12-21	national	Regulatory
	Singh	Level			Level	System
		consultations			consultations	of Higher
		on Regulatory			on Regulatory	Education
		System of			System of	
		Higher			Higher	
		Education			Education	
7.	Prof. Manju	Faculty	Devi Ahilya University,	09-08-21	Talk entitled	Different
	Singh	Induction	Indore		"Understandi	Research
		Programme			ng Different	Perspective
		(Guru			Research	
	D C34 :	Dakshata),	D 4 C4 11	22 00 21	Perspective."	TT ' 1
8.	Prof. Manju	AICTE	Department of Architecture	23-08-21	Human	Universal
	Singh	sponsored F.D.P. on	and Planning, MNIT Jaipur		Values and Social	Design
		"Universal			Sustainability	Approach for Built
		Design			Sustamaomity	Environm
		Approach for				ent
		Built				****
			(225) ———	1		



		Environment " under the ATAL Academy				
9.	Prof. Manju Singh	Executive Development Program on Quantitative Tools for Qualitative Research in Planning & Design	Manipal University, Jaipur	06-12-21	Problem Formulation in Research	Research Design
10.	Prof. Manju Singh	Faculty Induction Programme	Vivekananda Global University, Jaipur	10-08-21	Talk entitled "Ensuring Applied Research."	Applied and Action Research
11.	Prof. Manju Singh	Online Two Weeks Capacity Building Programme for Social Science Faculty Members,	Madhya Pradesh Institute of Social Science Research (MPISSR)	04-08-21	Talk entitled, "Responsible Conduct for Research"	Ethics in Research
12.	Prof. Manju Singh	Upnayan-An Induction Program	IIIT Kota	03-01-22	Understandin g the UPNAYAN - The Induction Programme	Skill and Personality development
13.	Prof. Manju Singh	Upnayan-An Induction Program	IIIT Kota	04-01-22	Role of Effective studentship for a better life ahead	Skill and Personality development
14.	Prof. Manju Singh	Upnayan-An Induction Program	IIIT Kota	05-01-22	Study Skills – Academic Ethics	Skill and Personality development



15.	Dr. Dipti Sharma	2nd PAN NIT HSS Conference on Resilience and Transformati on for Global Restructuring (ICRTGR 2022)	MNIT, Jaipur	09-01-22	Heads Forum	2nd PAN NIT HSS Conference on Resilience and Transform ation for Global Restructur ing (ICRTGR 2022)
16.	Dr. Niraja Saraswat	AICTE/ISTE Induction Refresher Programme on Advanced Technology in Effective Teaching Phase II	ISTE MCET Thiruvanan- thapuram (Online)	19-04-21	Effective Pedagogy for Classroom Teaching	Effective Pedagogy
17.	Dr. Niraja Saraswat	National Webinar	Centre for Electronic Governance, Dept. of Technical Education, Government of Rajasthan, Jaipur	21-10-21	Effective Resume Writing and Interview Techniques	Interview Techniques
18.	Dr. Niraja Saraswat	International Short-Term Training Programme on Soft Skills for Capacity Building,	Swami Keshvanand Institute of Technology, Management &Gramothan, Jaipur	06-08-21	Interview Skills	Interview Techniques
19.	Dr. Niraja Saraswat	Upnayan: The Induction Programme of IIIT Kota	IIIT Kota	06-01-22	Tracing the Trajectory of Communicati on through Four- Fold English Langauge Skills	Communi cation



20.	Dr. Niraja Saraswat	Multidiscipli nary International Conference on Emerging New World Order in the Post pandemic Scenario	St Xaviers College, Jaipur	19-02-22	Keynote address on Digital Transformati on in Pedagogy	Pedagogy
21.	Dr. Niraja Saraswat	National Workshop on Empowering Communicati on Skills	University Rajasthan College, University of Rajasthan, Jaipur	16-02-22	Communicati on and LSRW Skills	Communi cation
22.	Dr. Niraja Saraswat	One - week National Workshop on Effective Communicati on Skills and Personality Development	Centre for Electronic Governance, Dept. of Technical Education, Government of Rajasthan, Jaipur	07-03-22	Tracing Communicati on through Four- Fold Skills of LSRW	Communi cation
23.	Dr. Nidhi Bansal	One-week workshop on Swachhta Action Plan	St. Xaviers Collge, Jaipur	Aug 2021	Talk on Unnat Bharat Abhiyan: Transformin g Rural India for Inclusive and Sustainable Development	Unnat Bharat Abhiyan
24.	Dr. Preeti Bhatt	FDP on "Digital Tools for Writing, Authoring & Reviewing" from 12th July to 24th July 2021	E & ICT Academy, NIT Patna	19-07-21	Invited Talk on "Empowerin g Teaching and Learning Through Communicati on Skills"	



25.	Dr. Preeti	FDP on	E & ICT Academy, NIT	20-17-21	Invited Talk	
	Bhatt	"Digital	Patna		on "ICT	
		Tools for			Tools for	
		Writing,			English	
		Authoring &			Language	
		Reviewing"			Teaching and	
		from 12th			Learning"	
		July to 24th				
		July 2021				
26.	Dr.Preeti	FDP on	Social Sciences Research	13-03-22	Invited Talk	Reading
	Bhatt	"Social	Centre, University of		on	Skills for
		Science	Rajasthan, Jaipur		"Enhancing	Research
		Research			Reading	
		Methodology"			Skills for	
		8-14 March			Research"	
		2022.				

Participation of Faculty in National Seminar/Symposia/Workshop/Conference

S. No.	Name of the	Title of Event	Place	Date(s)
1.	Prof. Nupur Tandon	Virtual International Seminar on Post-Truthversus Alternate Reality	Kanodia PG MahilaMhavidyalay, Jaipur	25-02-2022
2.	Prof. Manju Singh	National Conference "Many Facets of Covid-19 Pandemic"	Council of Social development, Hyderabad	01-03-2022
3.	Prof. Manju Singh	2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022)	Malaviya National Institute of Technology, Jaipur	07-01-2022
4.	Prof. Manju Singh	Sustainable Future: Innovations in Education	J K Laxmipat University, Jaipur	25-02-2022
5.	Prof. Manju Singh	Chair person for Technical Session Economic Emergence: The Post-Pandemic Era, Multi- Disciplinary International Conference on Emerging New World Order in the Post- Pandemic Scenario	ICSSR DST and CSI	19-02-2022
6.	Prof. Manju Singh	Panelist", International Conference in Association with the National Taipei University	University if Engineering and Management, Jaipur	01-04-2022



		of Business, Taiwan;		
		International Conference on		
		Contemporary Issues and		
		Challenges in economics and		
<u> </u>	T. T	Management.		22.05.2021
7.	Dr. Dipti	4th Finance e-Seminar on	Prestige Institute of	22-05-2021
	Sharma	'Unlocking Financial Growth	Management Gwalior	
		after Lockdown: Issues and		
		Challenges Post Pandemic		
	w. w	Covid-19'		04.04.2022
8.	Dr. Dipti	103rd Annual conference of the	Manipal University Jaipur	04-01-2022
	Sharma	Indian Economic Association		
9.	Dr. Niraja	Paper presentation on Exploring	Virtual	28-08-2021
	Saraswat & Ms.	Effects of Blended Learning		
	Divyajyot Kaur	Using WhatsApp on Language		
		Learners' Lexical Competence		
		in The 2nd Rupkatha		
		International Conference on		
		Recent Advances in		
		Interdisciplinary Humanities		
	~	2021		
10.	Dr. Niraja	Paper presentation on	Virtual	28-08-2021
	Saraswat & Ms.	"Education in New Normal: A		
	Divyajyot Kaur	Consolidated Approach		
		Towards Integration of Cuture		
		With Technology Enhanced		
		Language Learning" in ICIDR		
		International Conference on		
	Th. 377 1	Social Sciences	10 mm r :	
11.	Dr. Niraja	Paper presentation on "An	MNIT Jaipur	07-01-2022
	Saraswat & Ms.	Overview of Research Trends in		
	Divyajyot Kaur	the Use of Technology for ELT"		
		, 2nd Pan NIT HSS International		
		Conference on Resilience and		
		Transformation for Global		
10	D 37' '	Restructuring (ICRTGR 2022)) O TIME I	07.01.0022
12.	Dr. Niraja	"A Phono-Andro-Centric Study	MNIT Jaipur	07-01-2022
	Saraswat & Mr.	of an Equal Music: An		
	Mohit Joshi	Intersectional Analysis", 2nd		
		Pan NIT HSS International		
		Conference on Resilience and		
		Transformation for Global		
		Restructuring (ICRTGR		
		2022) by :MNIT Jaipur at Jaipur // 2022		
13.	Dr. Niraja	Going Beyond the Social	MNIT Jaipur	07-01-2022
13.	Saraswat & Mr.	Campaign: A Postcolonial	Titti Suipui	37 31 2022
	Ritik Garg	Enquiry of Memory and Trauma		
	Tour Oalg	Linguity of Memory and Trauma		



	in 'Google Search: Reunion'	
	Advertisement"	

Visit of Faculty Members to other Institutions

S. No.	Name of Faculty	Institution / Organization Visited	Purpose of Visit	Date(s) of Visit	Funding Agency
1.	Prof.	NIT Uttarakhand (online)	28th Senate	03-06-	NIT Uttarakhand
	Nupur	` ′	Meeting as	2021	
	Tandon		External		
			Member		
2.	Prof.	NIT Raipur (online)	43rd Senate	02-07-	NIT Raipur
	Nupur		Meeting as	2021	
	Tandon		External		
			Member		
3.	Prof.	NIT Raipur (online)	44th Senate	01-10-	NIT Raipur
	Nupur		Meeting as	2021	
	Tandon		External		
			Member		
4.	Prof.	NIT Raipur (online)	45th Senate	07-01-	NIT Raipur
	Nupur		Meeting as	2022	
	Tandon		External		
			Member		
5.	Prof.	IIIT Kota	Member,	28-07-	IIIT Kota
	Nupur		Selection	2021	
	Tandon		Committee for		
			Faculty in		
			English		
6.	Prof.	On-the-spot inspection of Khalsa	Member of the	15-02-2022	Guru Nanak dev
	Manju	College for Women, G.T. Road,	Expert		university
	Singh	Amritsar affiliated to Guru Nanak	Committee		
		dev university			
7.	Prof.	UGC constituted Expert	Member of the	14-10-2021	NITTE Village,
	Manju	Committee to assess and verify	expert		Udupi, Karnataka
	Singh	information of Off-campus	committee,		(Mangalore)
		center, UGC, New Delhi			
8.	Prof.	UGC constituted Expert	Member of the	08-09-2021	Inspection of
	Manju	Committee for On-the-Spot for	expert		Wilson College,
	Singh	autonomous status, UGC, New	committee,		GirgaonChowpatty,
		Delhi			Mumbai
9.	Prof.	Engineering College Bharatpur	Subject Expert,	12-01-2022	Rajasthan
	Manju	Rajasthan Technical University,	Screening cum		Technical
	Singh	Kota	Evaluation		University
			Committee,		



10.	Prof. Manju Singh	Selection of research staff to be engaged under RUSA 2.0 Programme Project entitled "Evaluation study on schedule castes sub-plan (SCSP) and Tribal sub-plan (T.S.P.) components of Sarva Shiksha Abhiyan (S.S.A.) and RashtriyaUchchtarSikshaAbhiyan (RUSA)"	Member of the selection committee	10-12-2021	Department of Economics, University of Rajasthan, Jaipur.
11.	Prof. Manju Singh	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore	Subject Expert in Faculty Search Committee	10-08-2021	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
12.	Prof. Manju Singh	aimed at enhancing the quality of research at SPPU and generate trained manpower for taking up research and teaching careers.	Referee, 'Savitribai Phule Pune University Postdoctoral Fellowship (SPPU-PDF) Program'.	July 2021	Savitribai Phule Pune University
13.	Prof. Manju Singh	Political Geography and Structural Change: Status of Women in the Indian Extractive Industry	Expert to review of project proposal, Projected research plan for Institute of eminence, University of Hyderabad	July 2021	Institute of eminence, University of Hyderabad.
14.	Prof. Manju Singh	Multi-Disciplinary International Conference on Emerging New World Order in the Post- Pandemic Scenario	Chair Person for the Technical Session VI: Economic Emergence: The Post- Pandemic Era	19-02-2022	ICSSR DST and CSI at Jaipur
15.	Dr. Preeti Bhatt	Poornima University, Jaipur	To conduct PhD Viva-Voce as Indian Examiner (online) of PhD candidate MsSarveen Kaur Sachdeva	21-12-2021	-



16.	Dr. Preeti	Poornima University, Jaipur	To conduct	21-12-2021	-
	Bhatt		PhD Viva-Voce		
			as Indian		
			Examiner		
			(online) of PhD		
			candidate		
			MsAayushi		
			Sharma		
17.	Dr Preeti	IIS University, Jaipur	To attend the	28-06-2021	_
1 /.	Bhatt	ins oniversity, saipui	online meeting	20-00-2021	_
	Бпац		of the Research	-	
			Advisory		
			Committee as		
10	D D :	HG II : ' I :	Subject Expert	10.10.2021	
18.	Dr. Preeti	IIS University, Jaipur	To attend the	18-10-2021	-
	Bhatt		online meeting		
			of the Research		
			Advisory		
			Committee as		
			Subject Expert		
19.	Dr. Preeti	Swami Keshvanand Institute of	To deliver an	09-08-2021	-
	Bhatt	Technology, Mgmt.&Gramothan,	Expert Lecture		
		Jaipur	on		
			"Empowerment		
			through		
			Communication		
			Skills" in the		
			online		
			International		
			Short-Term		
			Training		
			Programme on		
			Soft Skills for		
			Capacity		
			Building (6-12		
20	D. D. et'	HC Hairranita Island	Aug. 2021)	26.02.2022	
20.	Dr. Preeti	IIS University, Jaipur	External	26-03-2022	-
	Bhatt		Examiner for		
			the Semester		
			End Practical		
			Exam, in the		
			Department of		
			English for		
			M.A. Sem III		
			students.		



21.	Dr. Niraja	IIIT Kota	Member,	28-07-2021	IIIT Kota
	Saraswat		Selection		
			Committee for		
			Faculty in		
			English		
22.	Dr.Nidhi	IIIT Kota	Member,	July-2021	IIIT Kota
	Bansal		Screening		
			Committee for		
			English Facult		

Visitors to the Department

S. No.	Name of the Visitor	Designation	Affiliation	Purpose	Date(s)
1.	Dr. Atiqa Kelsy	Head,	St. Xavier's	To visit the Language	07-09-21
		Department of	College, Jaipur	Laboratory, HSS	
		English,		Department	

Seminar/Conference/Workshop/Short Term Course organized:

S.	Name of the	Designation	Title of Event	Place	Date(s)
No.	Faculty Member				
1.	Prof. Nupur Tandon	Convenor	PAN NIT International	MNIT	07-01-2022
		Conference on Resilience a		Jaipur	
			Transformation for Global		
			Restructuring		
2.	Prof. Nupur Tandon	Convenor	Heads Forum,	MNIT	09-01-2022
			PAN NIT International	Jaipur	
			Conference on Resilience and		
			Transformation for Global		
			Restructuring		
3.	Prof. Manju Singh	Chair	2nd Pan NIT HSS International	MNIT	07-01-2022
			Conference on	Jaipur	
			Resilience and Transformation		
			for Global Restructuring		
			(ICRTGR 2022)		
4.	Prof. Manju Singh	Programme	Upnayan – The Induction	IIIT Kota	03-01-2022
		Coordinator	Program		
		&Programme			
		Expert			
5.	Prof. Manju Singh	Member	19th	GLA	03-12-2021
		Organising	Asia TEFL International	University,	
		Committee	Conference (online) Mathura	Mathura	
6.	Dr. Dipti Sharma	Organising	2nd Pan NIT International	MNIT	07-01-2022
		Secretary	Conference on Resilience and	Jaipur	
		&HoD	Transformation for Global		
			Restructuring		



7.	Dr. Dipti Sharma	Convenor	Short Term Course	Virtual	18-03-2022
			on Capacity Building for		
			Holistic Development of		
			Students Series II		
8.	Dr. Preeti Bhatt and	Principal	2nd Pan NIT HSS International	MNIT	07-01-2022
	Dr. Nidhi Bansal	Organizing	Conference on	Jaipur	
		Secretaries &	Resilience and Transformation		
		Associate	for Global Restructuring		
		Professor	(ICRTGR 2022)		
		and Assistant			
		Professor			
9.	Dr. Niraja Saraswat	Assistant	Samvardhini: GenderEquality	MNIT	08-03-2022
		Professor	and Society		
10.	Dr. Niraja Saraswat	Assistant	Short _term Course on	MNIT	18-03-2022
		Professor	Capacity Building Programme		
			for Holistic Development of		
			Students		

11.6 LIST OF CANDIDATES PURSUING / AWARDED Ph.D. OR M.TECH. / M.ARCH.

DEPARTMENT OF ARCHITECTURE AND PLANNING

List of Candidates Pursuing /Awarded Ph.D.

S. No.	Name of student	Supervisor	Topic	Status
1.	Manish Sharma	Dr. Ashwani Kumar and Dr. Nand Kumar	Strategies to strengthen the urban resilience of built environment in Jaipur city	Awarded
2.	Richa Jagatramka	Dr. Ashwani Kumar and Dr. Satish Pipralia	Sustainability Indices for Transformations in Vernacular Architecture of Chhattisgarh	Awarded
3.	Ankit Kashmiri Gupta	Dr. Tarush Chandra	Transformation of Urban villages in vicinity of planned industrial developments.	Pursuing
4.	Preeti Jaiswal	Dr. Pooja Nigam And Dr. Satish Pipralia	Modelling urban growth through land valuation: A case of Jaipur	Pursuing
5.	Abdur Raoof Khan	Dr. Nand Kumar & Prof. (Dr.) Tarush Chandra	Planning strategies for an energy efficient Urban Transportation System: A Case of Lucknow City	Pursuing
6.	Shradha Chandan	Dr. Satish Pipralia and Dr. Ashwani Kumar	Community based Urban Conservation in Pilgrim Cities	Pursuing
7.	Jyoti Yadav	Dr. Niruti Gupta	Enhancing Quality of Life in Cities through Public Green Spaces: A Case of Lucknow City	Pursuing



8	Chinnu S Kumar	Dr. Pooja Nigam	Place making framework for cultural tourism in historic port cities	Pursuing
9	Garima	Prof. Tarush Chandra	Model Framework for Rejuvenation of Eco-sensitive Zones	Pursuing
10.	Sonia Maheshwari	Dr. Rina Surana	Strategies to integrate United Nations Sustainable Development Goal 11 in the Urban Planning Framework of Small and Medium Towns	Pursuing
11.	Ashutosh Saini	Dr. Gireendra Kumar and Dr. Ashwani Kumar	Strategies for appropriate development in hill towns: a case of class III towns of Himachal Pradesh	Pursuing
12.	Akansha Sangwan	Dr. Nand Kumar and Dr. Ashwani Kumar	Comprehensive framework for Planning Urban Greenspaces in Indian cities	Pursuing
13.	Sushmi Nimje	Dr. Niruti Gupta and Dr. Yash Kumar Mittal	Framework for optimizing water footprint in the power sector	Pursuing
14.	Parul Bhyan	Dr. Bhavna Shrivastava and Dr. Nand Kumar	Comprehensive framework for sustainability assessment of Group Housing	Pursuing
15.	Pushpendra Chaturvedi	Nand Kumar and Dr. Ravita Lamba	Multi-objective optimization approach for net zero residential building design, Jaipur city	Pursuing
16.	Swasti Sharma	Dr. Bhavna Shrivastava and Dr. Ashwani Kumar	Framework for Land Use Planning in hill towns of India	Pursuing
17.	Bansari Prajapat	Dr. Ashwani Kumar and Dr. Nand Kumar	Community based Disaster Management Plan formulation for Indian Metropolitan Area- A case of Jaipur	Pursuing
18.	JagratiSehgal	Dr. Gireendra Kumar	Urban Built form and Thermal Comfort for Public Open Spaces- Jaipur India	Pursuing
19.	Shipra Goswami	Dr. Ashwani Kumar and Dr. Satish Pipralia	Strategies for strengthening resilience against Urban fire in city core areas	Pursuing
20.	Anjali Saraswat	Dr. Satish Pipralia and Dr. Ashwani Kumar	Urban Sustainability Matrix with special emphasis on ecosystem services in Indian Cities	Pursuing
21.	Priya	Dr. Bhavna Shrivastava	Framework for Design quality of rural houses	Pursuing
22.	Prerna Jasuja	Dr.Niruti Gupta, Dr. Rina Surana	Integration of groundwater resources in physical plans	Pursuing



23.	Pooja Tripathi	Dr. Yash Kumar Mittal	Safety Management in construction	Pursuing
			industry using building information	
			modelling	
24.	Abhishek Chhonkar	Dr. Rina Surana	Integrated Urban water	Pursuing
			management	
25.	Deeksha	Dr. Satish Pipralia and	Eco-Sensitive Zones	Pursuing
		Dr. Ashwani Kumar		

List of Candidates Awarded M. ARCH. Degree

S. No.	Name of Student	Supervisor	Title of Thesis	Status
1.	Esha Swaroop Bhatnagar	Prof. Rajeev Shringi	Planning For Solid Waste Management In Jaipur City	Awarded
2.	Saurabh Anand	Prof. Rajeev Shringi	Water Supply Management -A Case of Prayagraj City	Awarded
3.	Priyanka Kumawat	Prof. Alok Ranjan	Urban Water Regeneration: Towards sustainable integrated urban water management in Jaipur city	Awarded
4.	Sakshi Jain	Dr. Rina Surana	Role of urban planning in making cities adaptive to urban flooding in semi-arid climate	Awarded
5.	Reshma Khan	Dr. Rina Surana	Planning Of Cultural Infrastructure As Part Of Tourism Development Plan: A Case Of Jaipur	Awarded
6.	Deepali Mahour	Prof. Tarush Chandra	Strategies To Improve River Health In A Metropolis: A Case Of Yamuna River In Agra City	Awarded
7.	Vaishali Saini	Prof. Tarush Chandra	Mid Term Assessment Of Smart City Of Faridabad City, Haryana	Awarded
8.	Shipra Goswami	Dr. Ashwani Kumar	Heritage based urban development in city core areas: A case of Jaipur city	Awarded
9.	Kolte Rushikesh	Dr. Satish Pipralia	Sustainable Transportation in a Metropolitan City- Jaipur, India	Awarded
10.	Shesh Raj Prabhakar	Dr. Bhawana Shrivastava	Infrastructure Development Plan Of Small Town (Sonepur)	Awarded
11.	Prashant Kumar Tripathi	Ms. Meenu Varshney	Walkability Index of an Area at Neighbourhood Level: The Case of Kashi Vishwanath Corridor, Varanasi	Awarded
12.	Shivdan Ram	Ms. Meenu Varshney	The opportunities and challenges for Light Rail Transit System in India	Awarded



13.	Tanya Alavadi	Ms. Kalpana Pandit	Planning Interventions For Last	Awarded
			Mile Connectivity Of Mass Rapid	
			Transit System In City Of Jaipur	
14.	Poshala Prashasthi	Dr. Pooja Nigam	Mitigation Measures For Urban	Awarded
	Bharathi		Heat Island (Uhi) Effect In	
			Hyderabad, India	
15.	Arpana Kumari	Dr. Nand Kumar	Study Of Urban Sprawl Dynamics	Awarded
			Of Patna, Bihar	
16.	Bhavya Mehta	Dr. Gireendra Kumar	Water Responsive Urban Planning	Awarded
			- Rainwater Harvesting Strategies	
			For Jaipur City	
17.	Ikramuddin Khyber	Dr. Satish Pipralia	Planning for Public transportation	Awarded
	_		in Kabul city	
18.	AkanshaMasih	Dr. Niruti Gupta	Planning Strategies for slum	Awarded
			rehabilitation, affected by Kahn	
			Riverfront development project,	
			Indore	

DEPARTMENT OF CHEMICAL ENGINEERING

List of Candidates Awarded Ph.D.

S.	Name of student	Supervisor	Topic	Status
No.				
1.	Mr. Sarmad Rizvi	Dr. Hrushikesh M. Gade/ Dr. Manish Vashishtha	Molecular dynamics investigations of self	Ongoing
		Dr. Manish Vasnishina	assembly of nanostructures for novel materials development	
2.	Mrs. Gayatri	Dr. V. Subbaramaiah/	Advanced oxidation of waste water	Ongoing
	Rajput	Dr.Vikas K. Sangal		
3.	Mr. Udit	Dr. Vijayalakshmi Gosu	Development of sustainable	Ongoing
	Khandara		heterogeneous catalyst for the	
			valorisation of glycerol	
4.	Mr. Neetesh	Dr. Vikas K Sangal	Wastewater treatment by Advanced	Ongoing
	Kumar Dehariya		Oxidation Process: Parametric	
			Optimization & Kinetic study	
5.	Mr. Satyanarayana	Dr. Vikas K Sangal	Development of novel electrodes for	Ongoing
	Reddy Y		wastewater treatment by electrochemical	
			methods	
6.	Mr. Pushpendra	Dr. Madhu Agarwal	Extraction/synthesis of chemicals for	Ongoing
	Kushwaha		water and waste water treatment	
7.	Mr. Rupak	Dr. Vijayalakshmi Gosu	Development of heterogeneous catalysts	Ongoing
	Kumar Singh		for the production of oxygenated fuel	
			additive	



8.	Mr. Rajeshwar	Prof. Kailash Singh/ Dr.	Separation of Azeotropic Mixture by	Ongoing
0.	Keshavrao Kholapure	Sushant Upadhyaya	using Air Gap Membrane Distillation	Oligonig
9.	Mr. Yogesh Ashoke Bhadange	Dr. Virendra Kumar Saharan	Studies of extraction of bioactive components from natural ingredients.	Ongoing
10.	Mr. Mohd Mohsin Ikram	Dr. Virendra Kumar Saharan	Studies on the conversion of Glycerol into value added products	Ongoing
11.	Mr. Aamir Baig	Dr. Sonal	Catalytic steam reforming of bio oil for renewable hydrogen generation	Ongoing
12.	Ms. Meenu	Dr. Shiv Om Meena	Experimental and Modeling studies on Controlled Release Urea using Mustard straw derived biochar coating	Ongoing
13.	Mr. Vinod Kumar Dhakad	Prof. S. K. Jana	Synthesis of PCC from marble waste along with its utilization in paper and manufacturing of other valuable products	Ongoing
14.	Mr. Ravi Kumar Parihar	Dr. Md Oayes Midda/Prof. S.P. Chaurasia	Anaerobic fluidized bed membrane bioreactor for wastewater treatment and fouling mitigation	Ongoing
15.	Ms. Harshika Suman	Dr. Vikas K Sangal	Study for the Treatment of Tannery Effluent by Electrochemical Methods	Ongoing
16.	Ms. Sonal Rajoria	Dr. Manish Vashishtha	Treatment of electroplating industry wastewater using electrochemical process	Ongoing
17.	Mr. Prathwiraj Meena	Dr. Rohidas G. Bhoi	Catalytic Pyrolysis of Plastic	Ongoing
18.	Mr. Durgesh Singh Songera	Dr. Virendra Kumar Saharan	Upgradation of bio-oil to biofuel by catalytic hydro-deoxygenation process	Ongoing
19.	Mrs. Shivika Sharma	Dr. Neetu Kumari	Reduction of CO2 into syngas using Solid Oxide Electrolysis Cells (SOEC)	Ongoing
20.	Ms. Divya Gaur	Dr. Sushant Upadhyaya/Dr. Kailash Singh	Mathematical Modelling and Experimental study on removal of benzene and toluene using AGMD	Ongoing
21.	Mr. Sameer Imdad	Dr. Rajeev Kumar Dohare	Removal of heavy metals from industrial wastewater using supported liquid membrane	Ongoing
22.	Mrs. Neha Pal	Dr. Rajeev Kumar Dohare	Development of value-added product from waste	Ongoing
23.	Ms. Ketaki Tikekar	Prof. Kailash Singh/Dr. Sushant Upadhyaya	Model based control of fixed bed reactor and membrane separation of products	Ongoing
24.	Ms. Surabhi Singh	Prof. Suja George/Dr Rohidas G. Bhoi	Bio ethanol Production from Lignocellulosic biomass	Ongoing
25.	Mr. Ramesh Kumar	Dr. Manish Vashishtha/ Dr. Sushant Upadhyaya	Thermodynamic Studies and Performance Analysis of Photovoltaic	Ongoing



			Operated Energy Conversion Systems and Their HybridCombinations	
26.	Jyoti Katiyar	Dr. Virendra Kumar Saharan	Degradation of biorefractory pollutants with photocatalytic process comprising ultrasound and hydrodynnamic cavitation; A perspective to the development of novel nano photocatalyst.	Ongoing
27.	Ms. Anju Gupta	Dr. R. K. Vyas	Reactive Adsorption Studies on Acyclovir Removal from Aqueous Solution using Solid Reactive Adsorbent	Ongoing
28.	Ms. Ritu Chaudhary	Dr.Vikas Kumar Sangal/ Dr. Sushant Uphadhaya	Study the effect on	Ongoing
29.	Meenakshi Yadav	Dr. Sushant upadhyaya/ Dr. Kailash singh	Preparation and characterization of hydrophobic membrane for VMD.	Ongoing
30.	Mr. Pappu Kumar Burnwal	Prof. S.P. Chaurasia	Synthesis and characterization of membrane for VMD	Ongoing
31.	Mr. Kapil Yadav	Dipaloy Datta (Joint Supervisor)	Functionalized Green Nanomaterials for Wastewater Treatment	Ongoing
32.	Ms. Anjali Awasthi	Dr. Dipaloy Datta	Application of Solvent Impregnated Resins for the Treatment of Wastewater Containing Reactive Dyes	Awarded
33.	Ms. Arshia Khan	Dr. Suja George	Development of Photocatalyst and Adsorbent from Marble Waste: An Application for the Removal of Biorefractory Pollutants.	Awarded
34.	Ms. Kalpana Patidar	Dr. Manish Vashishtha	Studies on energy extraction and production of value added product from mustard crop residues.	Awarded
35.	Dr. Prashant Shrivastava	Dr. S. K. Jana	Synthesis of Precipitated Calcium Carbonate by Carbonation of Calcium Chloride in Bubble Column and Stirrer Reactors	Awarded
36.	Dr. Priya Pal	Prof.S.P.Chaurasia/ Dr.Sushant Upadhyay	Synthesis, characterization and performance study of PVDF membranes for liquid mixture (glycerol-water) And gaseous mixture (H2-CO2/N2) separation	Awarded
37.	Mr. Yogendra Singh Solanki	Dr. Madhu Agrawal	Development of defluoridation kit for domestic drinking water	Awarded
38.	Dr. Muzaffar Iqbal	Dr. Dipaloy Datta	Synthesis and Characterization of Solvent Impregnated Resins for the Treatment of Simulated Textile Dye using Ultrasonic Technology	Awarded
39.	Rohitash Kumar	Dr. U. K. Arun Kumar	Absorption of Carbon Dioxide using Micro-Channels	Awarded



40.	Dr. Shivali Arora	Dr. V. Subbaramaiah	Green Process: Development of green	Awarded
			catalyst for the synthesis of glycerol	
			carbonate from waste glycerol	
41.	Dr. Prashant	Prof. S. K. Jana	Synthesis of Precipitated Calcium	Awarded
	Shrivastava		Carbonate by Carbonation of Calcium	
			Chloride in Bubble Column and Stirrer	
			Reactors	

List of Candidates Awarded M. Tech. Degree

S.	Name of Student	Supervisor	Title of Thesis	Status
No.				
1.	Somesh Prajapati	Dr. Rajeev Kumar	Removal of Pharmaceutical Waste from	Awarded
		Dohare	Liquid Emulsion Membrane	
	Satyam Patel	Dr. V. Subbaramaiah	Advanced Oxidation of Quinoline	Awarded
			Bearing Wastewater	
3.	Saksham Pathrol	Dr. Vikas Kumar	Simulation studies of Reactive Divided	Awarded
		Sangal	wall Columns	
4.	Kritika Gautam	Dr. Dipaloy Datta	Synthesis of Green Solvents for the	Awarded
			Ultrasound Assisted Extraction of	
			Organic Acids	
5.	Muskan Lahariya	Dr Rohidas G. Bhoi	Biomass Pretreatment and its	Awarded
			Valorization to Valuable Products	
6.	Deepika Verma	Dr. Manish Vashishtha	Computational studies and Therapeutic	Awarded
			application of Organotin (IV) complexes	

DEPARTMENT OF CIVIL ENGINEERING

List of Candidates Awar ded/Pursuing Ph. D. Degree

S.	Name of student	Supervisor	Title of Thesis	Status
No.				
1.	Lalit Kumar Joshi	Prof. Akhilendra Bhushan Gupta	Role of Solid Bio Fuels and Associated Factors in Exacerbation of Respiratory Disorders in Rural Micro Environment and Interventions for Abatement of Pollutants	Awarded
2.	Santosh Ojha	Prof. Gunwant Sharma	Risk Assessment of Groundwater Pollution in Jaipur District of Rajasthan	Awarded
3.	Sanjay Mundra	Dr. Vinay Agrawal	Strength And Durability of Concrete Containing Sandstone Cutting Waste as Partial Replacement of Natural Sand	Awarded
4.	Kul Vaibhav Sharma	Dr. Sumit Khandelwal	Downscaling of Coarse Resolution Land Surface Temperature for Spatial Sharpening of Thermal Imagery	Awarded
5.	Arigela Surendranath	Dr. P V Ramana	Reclamation of Concrete Bi-Material Interface Effect in Recycled Materials	Awarded



6.	Rakesh Choudhary	Dr. Rajesh Gupta	Performance and Durability Studies of High Strength Self-Compacting Concrete Comprising Marble Slurry Powder and Fly Ash with Silica Fume	Awarded
7.	Sanchit Anand	Dr. Arun Gaur	Pavement Deterioration Modelling for Urban and Rural Roads Using HDM-4	Awarded
8.	Prarthita Basu	Prof. R. C. Gupta	Characterization of Dholpur Sandstone Slurry and its Gainful Application in Sustainable Self-Compacting Concrete	Awarded
9.	Abhishek Jain	Dr. Rajesh Gupta	Sustainable Production of Self-Compacting Concrete Utilizing Fly Ash and Granite Waste	Awarded
10.	Ajay Kumar Mandrawalia	Dr. Arun Gaur	Strength, Durability Properties and Microstructure Investigation of Standard Concrete Containing Wollastonite Fibre and Granite Waste as Partial Replacement of Cement and Fine Aggregate	Awarded
11	Poonam Shekhawat	Prof. Gunwant Sharma	Geopolymerization Of Flyash-Eggshell Powder and Its Application in Soil Stabilization	Awarded
12.	Suyash Garg	Dr. Vinay Agrawal	A Comparative Study on Strengthening RC Flat Slab Building Against Progressive Collapse Under Static and Dynamic Column Removal	Awarded
13.	Choudhary Sumit Mukund	Dr. Rajesh Gupta	Strength, Durability, Ductility and Microstructure Investigation of Functionally Graded Concrete Containing Rubber Fiber as Replacement of Fine Aggregates	Awarded
14.	Vishal Singhal	Prof. Ravindra Nagar	Study Of Mechanical, Durability and Micro-Structural Properties of Concrete Prepared Using Fly Ash and Waste Marble Slurry Powder as Partial Substitution of Cement and Natural Fine Aggregate	Awarded
15.	Shashank Srivastava	Prof. Urmila Brighu	A Study on Residual Aluminum in Water Treated by A Floc Blanket Clarifier Versus Conventional Clariflocculator	Awarded
16.	Jyoti Lodha	Prof. Mahender Choudhary	Climate Change Impact Assessment for Rajasthan Using High Resolution Downscaled Data	Awarded
17.	Swati	Prof. Ravindra Nagar		Pursuing
18.	Pushplata Meena	Dr. Neha Shrivastava		Pursuing
19.	Vineet Kumar Sharma	Prof. Rohit Goyal		Pursuing



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20.	Ishfaq Ul Abass	Dr. Jinendra Kumar Jain	 Pursuing
21.	Ghanshyam Balotiya		 Pursuing
22.	Bush Rc	Dr. Anoop Iranna Shirkol	 Pursuing
23.	Prashant Bhadula	Dr. Sanyam Dangayach	 Pursuing
24.	Bhaskar Pradhan	Prof. Suresh Kumar Tiwari	 Pursuing
25.	Ajay Jain	Prof. Gunwant Sharma	 Pursuing
26.	Biradar BapugoudaB.	Dr. Anoop Iranna Shirkol	 Pursuing
27.	Sudhir	Dr. Arun Gaur	 Pursuing
28.	Nikhil Mathur	Prof. B. L. Swami	 Pursuing
29.	Pramod Kumar Meena	Prof. Ajay Singh Jethoo	 Pursuing
30.	Aman Yadav	Prof. Ajay Singh Jethoo	 Pursuing
31.	Pankaj Gupta	Dr. Siddharth Mehndiratta	 Pursuing
32.	Palak Agarwal	Prof. Sanjay Mathur	 Pursuing
33.	Ashutosh Chaturvedi	Dr. Manoj Kumar Diwakar	 Pursuing
34.	Sanchi Rewar	Prof. Mahender Choudhary	 Pursuing
35.	Eashan Pahsha	Dr. Rajesh Gupta	 Pursuing
36.	Ashwani Kumar	Dr. Amit Kumar	 Pursuing
37.	Abhishek Kumar Tripathi	Prof. Sudhir Kumar	 Pursuing
38.	Vijay Anand	Prof. Mahesh Kumar Jat	 Pursuing
39.	Sheikh Abbas Muhammad	Prof. Ajay Singh Jethoo	 Pursuing

List of Candidates Awarded M. Tech. Degree

S. No.	Name of student	Supervisor	Title of Thesis	Status
1.	Deepak Kumar Dhakar	Dr. Arun Gaur	A Comparative study of the effect of different stabilizers on black cotton soil	Awarded
2.	Manish Chandel	Dr. Arun Gaur	Use of Cenosphere as Filler in Flexible Pavement	Awarded
3.	Chitranshu Kumawat	Dr. Siddharth Mehndiratta	Consolidation of Subgrade Soil Under Cyclic Loading with or without Rest Period	Awarded
4.	Adarsh Lokanda	Dr. Pawan Kalla	Improvement in Traffic Management at Identified Locations on Tonk Road Jaipur	Awarded



5.	Vishal Singh	Dr. Arun Gaur	Partial Replacement of cement with silica fume and ceramic waste	Awarded
6.	Vaishali Meena	Dr. Pawan Kalla	Performance Evaluation of Self- compacting Concrete Containing Silica Fume and Granite Waste	Awarded
7.	Vivek Kushwah	Prof. B. L. Swami	Use of Kota Stone Slurry as a filler in DBM & BC	Awarded
8.	Shivam Sahu	Dr. J. K. Jain	Design of Traffic Signal at a Rotary Intersection by using VISSIM	Awarded
9.	Rahul Sharma	Dr. Pawan Kalla	Improvement in Road Geometrics at Identified Intersections on Tonk Road Jaipur	Awarded
10.	Moti Singh Kalirawna	Dr. Pawan Kalla	Repairing of Potholes by Cold Mix Patchwork	Awarded
11.	Kanchan Kumari	Dr. Arun Gaur	Utilization of waste materials in concrete pavement- Glass Powder & Low linear density polyethylene	Awarded
12.	Yogendra Kumar Tiwari	Prof. B.L. Swami	Design of Cement Concrete mix using Lathe Machine turning waste as a Fibre	Awarded
13.	Bhawani Singh Meena	Dr. Pawan Kalla	Evaluation of Intercity Premium Bus Service from Passenger's Perspective	Awarded
14.	Akash Kumar	Dr. Arun Gaur	Evaluation and reduction of temperature stresses in concrete pavement by using expanded vermiculite	Awarded
15.	Vinod Kumar Meena	Dr. J.K. Jain	Durability and Strength Enhancement of Ground Granulated Blast Furnace Slag Concrete	Awarded
16.	Rishabh Jain	Dr. Pawan Kalla	Road Safety Audit: A Case Study on Surat Hazira Port (NH-3)	Awarded
17.	Astitva Sharma	Prof. B. L. Swami	Case Study: Bitumen Overlay Analysis and Design Using Falling Weight Deflectometer	Awarded
18.	Nidhi Choudhary	Prof. M. K. Shrimali	Seismic Response of Isolated Building with Elastomeric Base Isolation System	Awarded
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19.	Vineet Singh	Prof. S. D. Bharti	Short-Term Analysis of Encased Steel - Concrete Composite Integral Bridge	Awarded
20.	Dilip	Dr. Rajesh Gupta	Mechanical and Hydraulic Properties of Pervious Concrete Incorporating Waste Pet Plastic	Awarded
21.	Rohit Dhaked	Dr. Anoop Iranna Shirkol	Seismic Evaluation of RC Frame Based on Performance Based Plastic Design	Awarded
22.	Abhilasha Choudhary	Dr. Sandeep Shrivastava	Artificially Coated Recycled Brick Aggregates for Improved Performance of Concrete	Awarded
23.	Priya Kumari	Dr. Rameshwar Jagannath Vishwakarma	Analysis Of Water-Tank Wall with Varying Thickness	Awarded
24.	Harjeet Singh	Dr. Sanyam Dangayach	Performance Evaluation of IS Code Compliance Mid-Rise RC Building	Awarded
25.	Praveen Kumar Salvi	Dr. Neha Shrivastava	Soil Stabilization using Dolomite Overburden	Awarded
26.	Kuldip Kumar Thoriya	Dr. Vinay Agrawal	Experimental Study on Utilization of Steel Slag in Concrete	Awarded
27.	Mithun	Prof. Suresh Kumar Tiwari	Comparative Analysis of Tuned Mass Damper and Yield Damper Considering Seismic Forces by Using Etabs	Awarded
28.	Vishal Sharma	Prof. S. D. Bharti	Seismic Response of RC Frame Building with Soft First Story	Awarded
29.	Rupanshu Makkar	Prof. Ravindra Nagar	Effect Of Hanger System on Resistance Against Progressive Collapse Of RC Buildings Under Column Removal In Alternate Storeys	Awarded
30.	Ashish Kumar Sharma	Dr. Dhiraj Raj	Evaluation Of Seismic Response of Mid- Rise RC Buildings with Setback	Awarded
31.	Manish Kumawat	Prof. M. K. Shrimali	Experimental Investigation of Full-Scale RC Beam-Column Joint for Performance Based Design	Awarded
32.	Akshra Sharma	Prof. M. K. Shrimali	Seismic Response of Isolated Building with Friction Pendulum System	Awarded



Yogesh Kumar Sharma	Prof. S. D. Bharti	Experimental Investigation of Full-Scale RC Beam –Column Joint Under Displacement Controlled Reverse Cycle Loading	Awarded
Vaibhav Sharma	-	Effects Of Buildings on Slope Stability Under Seismic Action	Awarded
Abhay Pratap Singh	Dr. Nivedita Kaul	Assessment of Particulate Pollution from Brick kilns	Awarded
Mohit Jain	Dr. Amit Kumar	Plastic waste management in Sikar city, Rajasthan: Analysis of material flows and recycling scheme	Awarded
Nemi Chand Meena	Prof. Sanjay Mathur	Efficient removal of color & COD by Electro-coagulation using 3D rotating electrode	Awarded
Inamdar Ahmed Raza	Dr. Sandeep Shrivastava	Development of Soil stabilised bricks using brick dust and excavated soil waste	Awarded
Navdeep	Prof. Urmila Brighu	Leaching Behaviour and Property Enhancement of Pervious Concrete Developed using Recycled Concrete Aggregates	Awarded
Akash Meena	Prof. Urmila Brighu	Comparison of pre-treatment technologies for brackish water desalination: IEX & NF	Awarded
Sakshi Jain	Prof. Urmila Brighu	NF-RO hybrid configuration for brackish water desalination	Awarded
Neha Sharma	Prof. Sanjay Mathur	To improve the performance of the EC process through flocculation using a 3D rotating electrode	Awarded
Sunil Saini	Dr. Ruchi Sharma	Personal Exposure Assessment to Cooking- generatrd Particulate Matter	Awarded
Aparna Upadhyay	Prof. Akhilendra Bhushan Gupta	Wastewater treatment by decentralised BioKube technology and optimization of disinfection using Chlorination and Hybrid disinfection	Awarded
	Sharma Vaibhav Sharma Abhay Pratap Singh Mohit Jain Nemi Chand Meena Inamdar Ahmed Raza Navdeep Akash Meena Sakshi Jain Neha Sharma Sunil Saini	Sharma Vaibhav Sharma - Abhay Pratap Singh Dr. Nivedita Kaul Mohit Jain Dr. Amit Kumar Nemi Chand Meena Prof. Sanjay Mathur Inamdar Ahmed Raza Dr. Sandeep Shrivastava Navdeep Prof. Urmila Brighu Akash Meena Prof. Urmila Brighu Sakshi Jain Prof. Urmila Brighu Neha Sharma Prof. Sanjay Mathur Sunil Saini Dr. Ruchi Sharma Aparna Upadhyay Prof. Akhilendra	RC Beam —Column Joint Under Displacement Controlled Reverse Cycle Loading



45.	Yash Choudhary	Prof. Sudhir Kumar	Microplastics in Wastewater Treatment Plant: Abundance, Characterization and Removal	Awarded
46.	Deepak Saini	Prof. Y. P. Mathur	Optimal Design of Circular Clear Water Reservoir by Limit State Method	Awarded
47.	Pankaj Saini	Prof. Akhilendra Bhushan Gupta	Wastewater treatment by decentralised BioKube technology and optimization of disinfection using UV and Hybrid disinfection	Awarded
48.	Brijesh Sharma	Dr. Nivedita Kaul	Aspect of noise monitoring and control	Awarded
49.	Shubham Kumar Jain	Prof. Sudhir Kumar	Prediction of Influent and Effluent parameters by using Machine Learning	Awarded
50.	Joginder Sankhla	Prof. Sudhir Kumar	Litter and Cleanliness Analysis: A case Study for Urban Streets in Jaipur	Awarded
51.	Shivam Kulshrestha	Prof. Rohit Goyal	Hydrological modelling of West Banas through ArcSWAT	Awarded
52.	Shreyanshu Saha	Dr. Himanshu Arora	Study on Identification of Groundwater Contaminant Source Properties through Soft-Computing Techniques	Awarded
53.	Bharat Saini	Prof. Gunwant Sharma	Estimation of Soil Erosion Using Universal Soil Loss Equation and GIS in Dholpur District	Awarded
54.	Vinod Parmar	Dr. Sumit Khandelwal	Study on variation in rainfall pattern over different basins of Rajasthan	Awarded
55.	Akhilesh Seervi	Dr. Sumit Khandelwal	Creating on road vehicular emission inventory of Jodhpur city and its analysis using GIS	Awarded
56.	Harshit Sharma	Prof. Mahender Choudhary	Study of Crop water requirement and Irrigation scheduling of selected crops using CROPWAT 8.0 model	Awarded
57.	Gourav Kumar Bharti	Dr. Himanshu Arora	A Sequential-Combinatorial Approach for Bias Correction of GCM Modelled Precipitation	Awarded
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58.	Nitesh Gehlot	Dr. Manoj Kumar Diwakar	1-D Flow Analysis of Jakham-Som River Reach using HEC-RAS	Awarded
59.	Rakesh Sharma	Dr. Manoj Kumar Diwakar	Estimation of Flood frequency using the statistical method: Narmada River Basin, India	Awarded
60.	Mayank Baghmar	Prof. Mahender Choudhary	Impact of Climate Change and Land use and land Cover Changes on Soil Erosion	Awarded
61.	Anant Kumar Nagar	Prof. Gunwant Sharma	Rainfall Future Forecasting by ARIMA Modelling	Awarded
62.	Kalpit Meena	Prof. Rohit Goyal	Rainfall-Runoff Modelling of Bisalpur Watershed Using ArcSWAT	Awarded
63.	Hemant Sharma	Prof. Ajay Singh Jethoo	Use of nano CaCO3 and glass as a partial replacement of cement and sand in concrete canal lining	Awarded
54.	Pooja Maurya	Dr. Ajay Singh Jethoo	Analysis of surface temperature through remote sensing product & software: A case study of Ajmer City	Awarded
65.	Jatin Kanwat	Prof. Gunwant Shanrma		Awarded
66.	Abhinav Kumar Bansal	Prof. Mahesh Kumar Jat		Awarded
67.	Prakriti	Dr. Neha Shrivastava	Effect of fillers (powdered form of overburden of talc-mine) on the properties of cement grouts	Awarded
68.	Dharm Raj Bairwa	Dr. Manoj Kumar Diwakar	Assessment of Agricultural Drought of Rajasthan by Using Remote Sensing Technique	Awarded
69.	Dheeraj Kumar	Dr. Sanyam Dangayach & Dr. Dhiraj Raj	Seismic Behavior of RC Frame Buildings with Unreinforced Masonry Infills	Awarded
70.	Vipul Singh	Dr. Amit Kumar	Decision support system (DSS) for sustainability of solid waste services in a municipality	Awarded
71.	Nandkishore Bashita	Dr. Himanshu Arora	Development of a Hybrid Nonlinear - Hierarchical Statistical Downscaling Model for prediction of Precipitation	Awarded



72.	Rahul Singh	Prof. Mahesh Kumar Jat, Dr. Dhiraj Raj	Seismic risk assessment for the transportation system of Churu city.	Awarded
73.	Kaushalpati Mishra	Dr. Sudhir Kumar	Flood Hazard mapping using arc GIS	Awarded
74.	Suraj Pathak	Dr. Anoop I Shirkol	Performance Based Plastic Design (Pbpd) of Reinforced Concrete Frame	Awarded
75.	Kriti Gupta	Prof. Mahender Choudhary	Strategies for Adaptation and Mitigation of Dust Storms	Awarded
76.	Prajjwal Varshwal	Dr. Manoj Kumar Diwakar	Identification of Flood Hazard Zones of Uttarakhand	Awarded
77.	Aparna Gupta	Dr. Dhiraj Raj	Parametric study on estimation of lateral capacity of pile in liquefiable soil	Awarded

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

List of Candidates Awarded/Pursuing Ph. D. Degree

S. No.	Name Of Student	Supervisor	Topic	Status
1.	Bharat V Buddhadev	Prof. Vijay Laxmi	Analyzing Information Flow Evasion Attacks & Covert Channels In Android Applications	Awarded
2.	Vinesh Kumar Jain	Dr. Arka Prokash Mazumdar, Prof. Mahesh Chandra Govil	Melioration Of Traffic Management Schemes In Internet Of Things	Awarded
3.	Tanvi Chawla	Prof. Girdhari Singh, Dr.Emmanuel S. Pilli	An Efficient Framework For Big Rdf Data Storage And Retrieval	Awarded
4.	Shweta Saharan	Prof. Manoj Singh Gaur, Prof. Vijay Laxmi	Privacy Preserving Data And Computation Offloading In Mobile Cloud Computing	Awarded
5.	Divya Bairathi	Dr.Dinesh Gopalani	Weight And Bias Optimization In Feedforward Neural Networks Using Metaheuristics	Awarded
6.	Ankur Gupta	Dr.Meenakshi Tripathi	Secure And Lightweight Device To Device Authentication Schemes For Communication In Internet Of Things (Iot)	Awarded



7.	Avuthu Avinash Reddy	Dr.Ramesh Babu Battula, Dr. Dinesh Gopalani	Secure Spectrum Aware Medium Access Control Mechanism For Cognitive Radio Based 5g-Iot	Awarded
8.	Monu Verma	Dr. Shantosh Kumar Vipparthi, Prof. Girdhari Singh	Human Facial Expression Analysis For Affective State Recognition	Awarded
9.	Ganpat Singh Chauhan	Dr. Yogesh Kumar Meena	Hybrid Unsupervised Approaches For Aspect Extraction In Sentiment Analysis	Awarded
10.	Ravi Nahta	Dr. Yogesh Kumar Meena	Deep Generative Models For Collaborative Filtering Based Movie Recommender Systems	Awarded
11.	Mr. Chauhan Sameersingh Ashoksingh	Dr. Pilli Emmanuel Shubhakar Prof. R. C. Joshi	An Efficient Broker Based Framework For Federated Cloud	Awarded
12.	Mr. Anand Kumar Mishra	Dr Pilli Emmanuel Shubhakar Prof. M. C. Govil	Design And Implementation Of Forensic Framework For Cloud Computing Environment	Awarded
13.	Ms. Avani Sharma	Dr. Pilli Emmanuel Shubhakar Dr. Arka Prokash Mazumdar	Efficient Trust Management Schemes For Internet Of Things	Awarded
14.	J	Prof. M. C. Govil Dr. Pilli Emmanuel Shubhakar	Development Of Approaches For Ad Click Fraud And Network Intrusion Detection	Awarded
15.	Abhishek Narwaria	Dr Arka Prokash Mazumdar	Dynamic Controller And Task Placement In Sdwsn	Pursuing
16.	Abhishek Upadhyay	Dr. Yogesh Kumar Meena	Event Detection In Social Media	Pursuing
17.	Aishwarya Mishra	Dr. Lavika Goel	Optimization In Crop Yield Prediction	Pursuing



18.	Akash Yadav	Dr. Mushtaq Ahmed	A Directive-Based Parallelization Approach For Efficiently Exploiting Parallelism In Loops & Isomorphic Instruction.	Pursuing
19.	Anamika Satrawala	Dr. Arka Prokash Mazumdar, Santosh Kumar Vipparthi	Adaptive Model For Driving Behaviour Recommendation In Internet Of Vehicles	Pursuing
20.	Anil Kumar Prajapati	Dr.Ramesh B Battula, Pilli E. S.	Efficient Defense Mechanism For Rpl Based Routing Attacks	Pursuing
21.	Ankit Pulkit	Dr.Smita Naval, Prof. Vijay Laxmi	Side Channel Attacks	Pursuing
22.	Anubha Jain	Dr. Pilli Emmanuel Shubhakar	Efficient Techniques For Enhancing Privacy In Blockchain	Pursuing
23.	Arunima Sharma	Dr.Ramesh Babu Battula	Potent - Decentralized Platoon Management With Heapify For Future Vehicular Networks	Pursuing
24.	Atul Kumar Verma	Dr. Mahipal Prithvisinh Jadeja	Social Network Analysis Using Community Detection	Pursuing
25.	Biradar Kuldeep Marotirao	Dr. Dinesh Kumar Tyagi	Deep Anomaly Detection In Surveillance Videos	Pursuing
26.	Deepti Sharma	Dr.Ramesh Babu Battula	Serene: Secure Intelligent Medium Access Control Mechanisms For 6g Communications	Pursuing
27.	Dinesh Kumar Khunteta	Dr. Meenakshi Tripathi	Fuzzing Challenges	Pursuing
28.	Gauransh Kalla	Dr. Arka Prokash Mazumdar, Dinesh Kumar Tyagi	Mobile Sink Based Efficient Data Gathering In Wireless Sensor Networks	Pursuing
29.	Geetanjali Singh	Dr. Namita Mittal, Dr Satyendra Singh Chouhan	Multi Document Summarization Using Battery Domain Ontology	Pursuing
30.	Geetu Dhawan	Dr. Arka Prokash Mazumdar, Dr Yogesh Kumar Meena	Resource Aware Information-Centric Caching In Internet Of Things.	Pursuing
31.	Girish Sharma	Dr. Jyoti Grover	Intrusion Detection System For Security Attacks In Rpl Based Mobile Iot Networks	Pursuing
32.	Gopal Behera	Dr. Neeta Nain	Deep Collaborative Recommender System	Pursuing



33.	Idris Afzal Shah	Dr. Mushtaq Ahmed,	Wireless Sensor Networks	Pursuing
34.	Jitendra Goyal	Dr. Mushtaq Ahmed, Dr. Dinesh Gopalani	A Secure Framework For Iot Using Blockchain Technology	Pursuing
35.	Jitendra Parmar	Dr. Satyandra Singh Chouhan	Unseen Class Identification In The Open- World Settings	Pursuing
36.	Jyoti Nagpal	Dr.Lavika Goel	Design & Development Of Crop Disease Classification System Using Advanced Machine Learning Techniques.	Pursuing
37.	Kandukuru Satish	Dr.Ramesh Babu Battula	Network Slicing In 5g	Pursuing
38.	Karishma Yadav	Dr. Smita Naval	Exploring Security Attacks In Blockchain	Pursuing
39.	Kushall Pal Singh	Dr. Dinesh Kumar Tyagi	Intelligent Edge Computing	Pursuing
40.	Lakshminarayana Sadineni	Dr.Pilli Emmanuel Shubhakar, Dr Ramesh Babu Battula	Holistic Forensic Framework For The Internet Of Things	Pursuing
41.	Lav Upadhyay	Dr Meenakshi Tripathi	Cyber Security (Network Intrusion Detection)	Pursuing
42.	Manisha Samanta	Dr. Yogesh Kumar Meena	Information Oriented Online Event Detection Through Social Media	Pursuing
43.	Mayank Kumar Jain	Dr. Dinesh Gopalani, Dr. Yogesh Kumar Meena	Content And Context Features Based Fake News Detection In Different Scenario	Pursuing
44.	Megha Sharma	Dr. Namita Mittal	Demand Response Management In Smart Grid For Improved Agricultural Output	Pursuing
45.	Monika Choudhary	Dr Satyandra Singh Chouhan,	Credibility Assessment Of User Generated Content	Pursuing
46.	Parvati Bhurani	Dr. Satyandra Singh Chouhan, Dr. Namita Mittal	Applied Machine Learning	Pursuing
47.	Pawankumar Balkishan Lahoti	Dr. Namita Mittal, Prof. Girdhari Singh	Multilingual Question Answering Using Deep Learning	Pursuing
48.	Payal Awwal	Dr. Smita Naval	Analysing The Role Of Adversarial Machine Learning In Malware Detection	Pursuing
49.	Prafulla Saxena	Dr.Dinesh Kumar Tyagi	Moving Object Segmentation For Video Surveillance	Pursuing



50.	Praveen Kumar Chandaliya	Dr.Neeta Nain	Juvenile Face Aging And Rejuvenation With Generative Models	Awarded
51.	Pravesh Kumar Bansal	Dr. Mushtaq Ahmed	The Evaluation And Analysis Of Student Behaviour In Higher Education	Pursuing
52.	Prem Shanker Yadav	Dr.Dinesh Kumar Tyagi	Image Text Correlation Learning	Pursuing
53.	Rahul Saxena	Dr. Mahipal Prithvisinh Jadeja	Influence Maximization In Social Networks	Pursuing
54.	Rajendra Kumar Solanki	Dr. Vijay Laxmi, Prof Manoj Singh Gaur	Reasoning And Analysis Of Execution Specification Of Android Apps	Pursuing
55.	Ravindra Kumar Soni	Dr. Neeta Nain	Unconstrained Face Recognition For Video Surveillance Data	Pursuing
56.	Richa Kumari	Dr.Dinesh Kumar Tyagi	Lightweight Distributed Ledger Framework For Massive Device-To- Device Communication: Security And Privacy Perspective	Pursuing
57.	Rohit Kumar Batwada	Dr. Pilli Emmanuel Shubhakar	A Data Lake Framework For Management Of Big Data	Pursuing
58.	Rohit Kumar Gupta	Dr. Arka Prokash Mazumdar	Dynamic And Collaborative Replica Server Management In Ccdn	Pursuing
59.	Rukhsar Sultana	Dr. Jyoti Grover	Misbehavior Detection In Software Defined Networking Based Vehicular Ad Hoc Network	Pursuing
60.	Sachin Dube	Dr.Dinesh Kumar Tyagi	Abnormal Event Detection In Surveillance Videos	Pursuing
61.	Sanjay Kumar Tehariya	Dr.Mushtaq Ahmed	Synposis Of Real Time Video Streaming In The Overlay Network	Pursuing
62.	Satya Narayan	Dr. Arka Prokash Mazumdar	Computational Model For Hand Gesture Recognition In Complex Environment	Pursuing
63.	Saurabh Ranjan Srivastava	Dr. Yogesh Kumar Meena, Prof Girdhari Singh	Profiling Techniques For Forecast Of Global Events	Pursuing
64.	Shikha Mundra	Dr. Namita Mittal	Classification Of Cyber Aggresion In Code Mixed Social Media Text	Pursuing
65.	Shivani Rohilla	Dr. Mahipal Prithvisinh Jadeja	A Learning Framework For Identification And Categorization Of Brain Disorders Using Medical Imaging Techniques	Pursuing



66.	Subham Kumar Gupta	Dr. Meenakshi Tripathi	Efficient Intrusion Detection System Using Learning Techniques	Pursuing
67.	Tarun Jain	Dr. Dinesh Gopalani, Dr. Yogesh Kumar Meena	Machine Learning Based Event & Argument Extraction And Its Psychological Impact	Pursuing
68.	Vikas Kumar Jain	Dr. Meenakshi Tripathi	Security Analysis For Ethereum Smart Contract	Pursuing
69.	Virendra Kumar Meghwal	Dr. Namita Mittal, Prof Girdhari Singh	Image Captioning Using Deep Learning Approaches	Pursuing
70.	Vivek Sharma	Dr. Ashish Kumar Tripathi	Technological Support In Agricultural Applications	Pursuing
71.	Siddhi Kumari Sharma	Dr. Lavika Goel	Nature Inspired Geo-Science Based Optimization Algorithms For Heart Disease Prediction	Pursuing
72.	Giriraj Vaishnav	Dr. Lavika Goel	Machine Learning For Crop Recommendation In Rajasthan, India	Pursuing
73.	Ms. Aditi Seeta	Dr. Satyendra Singh Chauhan Dr. Pilli Emmanuel Shubhakar	Disruptive Event Prediction Using Continual Machine Learning	Pursuing
74.	Mr. Krishan Pal Singh	Dr. Pilli Emmanuel Shubhakar, Prof. Vijay Laxmi	Tor Forensics	Pursuing
75.	Sandeep Kumar Gupta	Dr. Neeta Nain	Gender Recognition And Age Estimation For Children	Pursuing



S. No.	Name of the Student	Supervisor	Title of Thesis	Status
1.	Shivam Sharma	Prof. Girdhari Singh	Detection of face mask using Convolutionary Neural Network	Awarded
2.	Siranjeevi B	Prof. Girdhari Singh	Comparative analysis on TOPSIS and PIV methods in selection of an effective SRE	Awarded
3.	Ashok Rathore	Prof. Girdhari Singh	Intrusion detection system using neural network	Awarded
4.	Sumedh Ranjan Bhagat	Prof. Vijay Laxmi	Object Detection and Image Enhancement of Detected Objects	Awarded
5.	Kirti Dubey	Prof. Vijay Laxmi	Image Encryption using Chaotic Maps	Awarded
6.	Shivam Sharma	Prof. Vijay Laxmi	Continuous Authentication Using Sensor Data of Mobile Phones	Awarded
7.	Mridul Gupta	Dr. Pilli Emmanuel Shubhakar	Robust Classifiers for Website Fingerprinting	Awarded
8.	Sakshi Shree	Dr. Pilli Emmanuel Shubhakar	Analyzing and Detecting the trends of DNS based Censorship in India	Awarded
9.	Hemant Maurya	Dr. Pilli Emmanuel Shubhakar	Health Care System based on Blockchain: Multisig Attack and Protection	Awarded
10.	Dhiraj Kumar Sekhani	Dr. Pilli Emmanuel Shubhakar	Adronsil: Automatic Android Forensic Tool	Awarded
11.	Snehal Gharat	Dr. Neeta Nain	Face Aging with Style Transfer	Awarded
12.	Harshal Kaushlkbhaika Patel	Dr. Neeta Nain	Ethnicity Alteration: Removing Racial Bias from Dataset	Awarded
13.	Sushil Kumar	Dr. Neeta Nain	Face Recognition in Low Resolution Images with Sphereface and EDSR	Awarded
14.	Sakshi Parashar	Dr. Namita Mittal	Artificial Intelligence for Legal Assistance	Awarded
15.	Swarnlata Kumari	Dr. Namita Mittal	Sentiment Analysis using BERT	Awarded
16.	Ojaswi Khemani	Dr. Namita Mittal	Plagiarism Detection Using ML	Awarded
17.	Deepali Singh	Dr. Dinesh Gopalani	Automatic Image Captioning	Awarded
18.	Babloo Kumar	Dr. Dinesh Gopalani	Hand Gesture Recognition Using CNN With Data Augmentation	Awarded



19.	Shruti Saini	Dr. Dinesh Gopalani	Test Pass Status Dashboard for calculating test code passing percentage of Onefs for different modules	Awarded
20.	Anshita Verma	Dr. Mushtaq Ahmed	Designing an IDS system using soft computing for MANET	Awarded
21.	Saurabh Sagar	Dr. Mushtaq Ahmed	Load Balance Routing Algorithm using Fuzzy Logic	Awarded
22.	Mohd Zabeer Ali	Dr. Mushtaq Ahmed	Feedback collection using real time emotion detection	Awarded
23.	Shamshad Torakai	Dr. Mushtaq Ahmed	student behaviour analysis	Awarded
24.	Shalin Deval	Dr. Meenakshi Tripathi	Privacy Preserving & Adaptive Phishing Detection	Awarded
25.	Kumar Aniket	Dr. Meenakshi Tripathi	Mobile Malware Analysis	Awarded
26.	Deeksha Neelam	Dr. Meenakshi Tripathi	Source of fake news Identification	Awarded
27.	Yograj Meena	Dr. Yogesh Kr. Meena	Sentiment Analysis in Video Using NLP and CNN	Awarded
28.	Manish Tomar	Dr. Yogesh Kr. Meena	Cat one stage Object Detection Model	Awarded
29.	Manish Suthar	Dr. Yogesh Kr. Meena	Age Invariant Face Recognition	Awarded
30.	Arish	Dr. Ramesh Babu Battula	Secure Network Slicing for SDN and 5G networks	Awarded
31.	Tushar Gautam	Dr. Ramesh Babu Battula	B-V2X: Blockchain enhanced 5G based V2X Services	Awarded
32.	Kshitij Agarwal	Dr. Ramesh Babu Battula	Blockchain based Secure Energy Trading for Electric Vehicles using	Awarded
33.	Rahul Kumar Chaubey	Dr. Ramesh Babu Battula	Multi-Task-Oriented Vehicular Crowdsensing: A Deep Reinforcement Learning Approach	Awarded
34.	Aaradhana Sahu	Dr. Santosh Vipparthi	Time stamp based driver behaviour analysis for IOV	Awarded
35.	Shubhanshu Mishra	Dr. Santosh Vipparthi	Self-Supervised Feature Learning Beyond Local Pixel Statistics	Awarded
36.	Dinesh Saini	Dr. Santosh Vipparthi	Resource efficient Single Stage Detection Network for mask detection	Awarded
37.	Deepika Jassal	Dr. Arka Prokash Mazumdar	Secure Data Propagation in Delay-Tolerant Internet of Vehicle	Awarded
38.	Pratibha Rawat	Dr. Arka Prokash Mazumdar	On energy efficient cluster-head selection for WSN using Aquila Optimizer	Awarded



39.	Rahul Rathod	Dr. Arka Prokash Mazumdar	A study of content recommendation algorithm for navigation in fog based vehicular IoT	Awarded
40.	Ankush Kumar	Dr. Dinesh Kr. Tyagi	Secure Edge Computing with Blockchain	Awarded
41.	Shivendra Singh	Dr. Dinesh Kr. Tyagi	E-Waste Management Using Blockchain Based Smart Contracts	Awarded
42.	Robin Singh	Dr. Dinesh Kr. Tyagi	Attack and Anomaly detection in IoT	Awarded
43.	Shabnam Ali	Dr. Satyendra Singh Chouhan	An Empirical Evaluation of State-of-the-art Continual Machine Learning Approaches	Awarded
44.	Varun Khare	Dr. Satyendra Singh Chouhan	Multi-Agent Pickup and Delivery with Loads	Awarded
45.	Prachi Shrikrushna Supe	Dr. Satyendra Singh Chouhan	Detection of fake accounts on social media using machine learning	Awarded
46.	Rajesh Biswas	Dr. Mahipal Jadeja	Detection of Hateful Users on Twitter	Awarded
47.	Kuldeep	Dr. Mahipal Jadeja	Fake News Detection on Social Network using Bidirectional LSTM	Awarded
48.	Mohan Singh	Dr. Mahipal Jadeja	Community Detection in Social Network	Awarded
49.	Kajal Meena	Dr. Jyoti Grover	Blockchain based solution for Sybil Attack detection in VANET	Awarded
50.	Rahul Lahre	Dr. Jyoti Grover	Analysis of Hatchetman Attack in RPL	Awarded
51.	Shailendra Kumar	Dr. Jyoti Grover	Analysis of Quality of Services in RPL protocol	Awarded



DEPARTMENT OF ELECTRICAL ENGINEERING

List of Candidates Pursuing /Awarded Ph.D.

S.	Name of student	Supervisor	Topic	Status
No.				
1.	Tanmay Jain	Dr. Kusum Verma	Reliability Evaluation of	Pursuing
			Composite Power Systems with	
			Integration of Renewable Energy Sources	
2.	Abhishek Kumar	Dr. Kusum Verma	Operational and Infrastructural	Pursuing
2.	Gupta	Di. Kusum verma	Aspects of Electric Grid Resilience	1 distillig
3.	Divyarishi	Dr. Shahbaz Ahmed	Investigation on Wide Area	Pursuing
3.	Shrivastava	Siddiqui (Manipal	Monitoring, Assessment and	i disding
	(Manipal	University, Jaipur) and	Control of Power System	
	University, Jaipur)	Dr. Kusum Verma	Control of Fower Bystem	
	om voicity, turpur)	(MNIT Jaipur)		
4.	Krishan Chopra	Dr. Mukesh Kumar Shah	Plug-in Electric Vehicle Charging	Pursuing
	1		"Some Investigation"	
5.	Meghraj Morey	Dr. Nitin Gupta	Design, Development and	Pursuing
		Dr. Man Mohan Garg	Implementation of	_
			Control Techniques for Grid-Tied	
			PV System	
6.	Mukur Gupta	Dr. Nitin Gupta	Modelling and Control of High-	Pursuing
		Dr. Man Mohan Garg	Order DC-DC Converetrs Circuits	
7.	Dinesh Kumar	Dr. Akhilesh Mathur	Data driven optimal power flow in	Pursuing
	Mahto		active distribution network	
8.	Ghanshyam Meena	Dr. Akhilesh Mathur	Short-circuit analysis of islanded	Pursuing
	To 1 1 77	5 1111 1361	Microgrid	
9.	Dinesh Kumar	Dr. Akhilesh Mathur	Data driven optimal power flow in	Pursuing
10	Mahto	Do Al-lellant Mathers	active distribution network	December
10.	Ghanshyam Meena	Dr. Akhilesh Mathur	Short-circuit analysis of islanded	Pursuing
11.	Mu Ninoi Viahana	Dr. Kanil Sharkla	Microgrid Control and Investigation of	Dunguina
11.	Mr. Niraj Kishore	Dr. Kapil Shukla	Control and Investigation of Different Converter Topologies for	Pursuing
			Cascaded Multilevel Inverters	
12.	Mr. Jeetesh Gupta	Dr. Kapil Shukla	Cascaded Multilevel Inverters	Pursuing
12.	III. Jeeteon Gupia	Di, Kupii bilukiu		Coursework
13.	Dr. Rahul Singhal	Prof. Rajesh Kumar	Adaptive Receding-Horizon	Completed
			Control of Green House	Jonipiera
			Environment	
14.	Mr. Naveen Gehlot	Prof. Rajesh Kumar	Advanced Machine Intelligence for	Purusing
			Medical Diagnosis	
15.	Dr. Ankit	Prof. Rajesh Kumar	Lower Limb Activity Recognition	Completed
	Vijayvargiya		Based on SEMG Signal Using	_
			Machine Learning Techniques	
16.	Akash Sharma	Prof. Rajive Tiwari	Voltage profile enhancement using	Pursuing
			FACTS devices	



17.	Gaurav Kansal	Prof. Rajive Tiwari	Voltage Stability	Pursuing
18.	Ramesh Babu Mutluri	Dr. Dipti Saxena	Network Microgrids	Pursuing
19.	Sharma Suman Dharmpal	Dr. Prerna Jain	Optimal scheduling of Electric Vehicle Aggregator in Electricity Markets	Completed
20.	Ankush Koli	Dr. Arun Kumar Verma	DC-DC Converter for EVs	Pursuing
21.	Surapu Prasad Rao	Dr. Arun Kumar Verma	Investigations of boosting Multilevel Inverters for PV applications	Pursuing
22.	Pavan Singh Tomar	Dr. Arun Kumar Verma	Investigations on Soft Switching Bi-Directional DC/DC Converters for Electric Vehicle Applications.	Completed
23.	Manaswi	Dr. Arun Kumar Verma	An Efficient Topology for Electric Vehicle Battery Charging.	Completed
24.	Dr. Rahul Singhal	Dr. Satyanarayana Neeli	Adaptive Receding-Horizon Control of Green House Environment	Completed
25.	Haridas Rohini Pradip	Dr. Satish Sharma, Dr. Rohit Bhakar	Cyber security	Pursuing
26.	Patil Rahul Dattatray	Dr. Saravana Prakash P	Electric Vehicle	Pursuing
27.	Deepak Singh	Dr. Sandeep N	Investigations on multi-input inverters for HFAC applications	Pursuing
28.	Himanshu Saini	Dr. Sandeep N	Investigations on aircraft power electronics	Pursuing
29.	Rahul Khajuria	Dr. Ravita Lamba	Application of Machine Learning in Fuel Cells	Pursuing
30.	Ajay Kumar Verma	Dr. Rohit Bhakar	Power System Operation and Planning	Pursuing
31.	Arun Kumar Nayak	Dr. Rohit Bhakar	Wind Energy Forecasting Methodologies and Applications	Pursuing
32.	Chandra Prakash Barala	Dr. Rohit Bhakar	Virtual Energy Storage Solutions for Grid Flexibility	Pursuing
33.	Veerpratap Meena	Dr. Vinay Pratap Singh	Approximation and Controller Design for Continuous and Discrete Interval Systems	Ongoing
34.	Tarun Kumar Bashishtha	Dr. Vinay Pratap Singh	Design of control for power system applications	Ongoing
35.	Akanksha Vishwadeep Waghmare	Dr. Vinay Pratap Singh	Application of control for applications	Ongoing
36.	Sameer Singh	Dr. Vinay Pratap Singh	Controller Design	Ongoing



S.No.	Name of Student	Supervisor	Title of Thesis	Status
1.	Bhupesh Sureshkumar Agrawal	Dr. Kusum Verma	Techno-Economic Analysis of Integrating Stochastic Wind Power Generation in Electricity Pool Markets	Completed
2.	Bharath Sai Kumar Mattapu	Dr. Kusum Verma	Day-Ahead Electricity Market Clearing with Network Contingencies	Completed
4.	Dharmendra Saini	Dr. Akhilesh Mathur	Load flow analysis of Hybrid AC-DC Microgrid.	Completed
5.	Himanshu Bharadwaj	Dr. Akhilesh Mathur	Short-circuit fault analysis of a modern distribution system	Completed
6.	Ruchi Kumari	Dr. Akhilesh Mathur	Optimal scheduling of Microgrid with uncertainty	Completed
7.	Jyoti meena	Dr. Mukesh Kumar Shah	Modeling and analysis of Vehicle to Grid scheme.	Completed
8.	Ms. Jyoti meena	Dr. Mukesh Kumar Shah	Modeling and analysis of Vehicle to Grid scheme.	Completed
9.	GURUSHA AGARWAL	Mrs. Nikita Jhajharia	A modified P&O MPPT algorithm adapted for varying solar radiation conditions	Completed
10.	SANDEEP KUMAR	Mrs. Nikita Jhajharia	Simulation of the power management strategies of the grid connected hybrid system using Matlab	Completed
11.	CHARU SHRI KUNAL	Mr. Vinod Sahai Pareek	Improving the performance of microgrid using Modified Droop Control	Completed
12.	Bhavya Bansal	Mr. Vinod Sahai Pareek	ALFC of hybrid power system incorporated with electric vehicle using PIPD Controller	Completed
13.	Dinesh Kumar Jhankal	Dr. Arun Kumar Verma	Single-stage buck-boost based integrated converter for the plug-in electric vehicle	Completed
14.	Neetu Siddharth	Dr. Arun Kumar Verma	Modeling and analysis of three-port dc/dc converter for electric vehicle charging	Completed
15.	Himanshu Saini	Dr. Arun Kumar Verma	Design and implementation of five- level inverter topology for more electric aircraft applications	Completed
16.	Shnatanu Sharma	Dr. Nitin Gupta	Investigations on Controller for Grid- tied Two Stage Solar Photovoltaic system	Completed



17.	Manikanta Golla	Dr. Nitin Gupta	Modeelling& Analysis of Modified High Gain Z-source DC-DC Converter	Completed
18.	Kartik Tank	Dr. Man Mohan Garg	Investigation on Various Modulation Schemes for Single Phase Differential Mode Inverters	Awarded
19.	Saroj	Dr. Satish Sharma	Peer-to-Peer Energy Trading using Negotiation based on Cost Allocation	Awarded
20.	Vidhu Saini	Dr. Satish Sharma	Evaluation of Locational Marginal Price in Combined Heat and Power Systems with Electric Storage	Awarded
21.	Aprajita	Dr. Satish Sharma	Allocation of Physical Storage Rights in a Local Energy Community	Awarded
22.	Sowjanya Chanda	Dr. Sandeep N	Design and Implementation of Multilevel Inverter with Reduced Leakage Current	Awarded
23.	Upendra Kumar	Dr. Sandeep N	Multilevel Converter Based Bidirectional Electric Vehicle Charger	Awarded
24.	Ajay Kumar Saini	Dr. Ravita Lamba	Optimization of Operational Cost of Integrated Electric Vehicle Charging Station	Awarded
25.	Irene Jacob	Dr. Ravita Lamba	Multiobjective Optimization of Thermionic and Thermoelectric Systems using Meta-heuristic Techniques	Awarded
26.	Kusum Lata	Dr. Rohit Bhakar	Financially Driven Coordinated Cyber-Attacks on Power Market Operations	Awarded
27.	RenuBanjarey	Dr. Rohit Bhakar	Fast Frequency Response Estimation in a Low-inertia Power Systems	Awarded
28.	Nirupma Sharma	Dr. Rohit Bhakar	State Level Planning for Road Transportation Decarbonization	Awarded
29.	Aparna Acharya	Dr. Rohit Bhakar	Continuous Time-varying False Data Injection Attacks on Cyber-Physical Power System	Awarded
30.	Surendra Kumar	Dr. Rohit Bhakar	Distribution Network Pricing with Electric Vehicles	Awarded



31.	Vijay Kumar	Dr. Rohit Bhakar	State Level Power Sector Decarbonization Planning Considering Short-Term Operations	Awarded
32.	Arpit Mantri	Dr. Rohit Bhakar	Multi Energy Vector	Awarded
33.	Abhishek Jain	Dr. Rohit Bhakar	Clustering models for EV customer aggregation	Awarded
34.	Puthi Jaya Krishna (2020PES5666)	Dr. Vinay Pratap Singh	R-method and Rank-Sum-Weight Method Based Weighted Minimization for Automatic Generation Control in An Interconnected Power System Using Grey Wolf Optimizer	Awarded
35.	Hitwik Singh	Dr. Saravana Prakash P	Performance Comparison of Various Controllers Used for Speed Control of PMSM Drive	Awarded
36.	Monika Goyal	Dr. Saravana Prakash P	Design and Analysis of Single Stage Bridgeless SEPIC PFC Converter for EV Charging Application	Awarded



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

List of Candidates Pursuing /Awarded Ph.D.:

S. No.	Name Of Student	Supervisor	Topic	Status
1.	Kirti Vyas	Prof. R.P. Yadav	"Design and performance evaluation of Uwb antennas for mimo applications"	Completed
2.	Muquaddar Ali 2015rec9045	Prof. K.K.Sharma Prof. R.P. Yadav	Design, And Performance Evaluation Of Substrate Integrated Waveguide Based Antennas For 5g Applications	Completed
3.	Dhanjali Singh	Prof. R.P. Yadav Prof. VijjayJanyani	Earthquake and other disasters prediction based on ionic atmosphere variations	Ongoing
4.	Mohit Yadav	Prof. R.P. Yadav	Microstrip Antennas And Array For 5g	Ongoing
5.	Geetha P.	Prof. R.P. Yadav Dr. S.J.Nanda	Direction of arrival estimation	Ongoing
6.	Guman Kanwar Shekhawat	Prof. R.P. Yadav	Cognitive radio networks	Ongoing
7.	Nidhi Yadav	Prof. R.P. Yadav Prof. M.M.Sharma	5g Antennas	Ongoing
8.	Loveena Singh	Prof. R.P. Yadav Dr. S.J. Nanda	5g Communication and Its Applications	Ongoing
9.	Sanjay Sharma	Prof. R.P.Yadav Prof. Vijay Janyani	Substrate current evaluation for lightly and heavily doped mosfet at 45 nm using physical models	Ongoing
10.	Girdhar Gopal	Dr. Tarun Varma	Design and simulation of tfet	Ongoing
11.	Krishna Chauhan	Prof. K.K. Sharma Dr. Tarun Varma	Speech emotion recognition	Ongoing
12.	Gaurav Sharma (2015REC9014)	Prof. Lava Bhargava	Register Abstraction power aware automated test intent for advance verification	Completed
13.	Shobha Sharma	Dr. Tarun Varma	Investigations of fractional transforms in image enhancement and fusion Applications	Submitted
14.	Rakesh Kumar Sharma	Dr. Tarun Varma Prof. K.K. Sharma	Filter optimization	Ongoing
15.	Jai Kumar Bhatt	Dr. Tarun Varma	Design and development gas sensor	Ongoing



16.	Mr. Rajkumar	Dr. Tarun Varma Dr. Rajendra Mitharwal	Advanced computational algorithms for plasmonics	Ongoing
17.	Ms. Aruna Chouhan	Dr. Tarun Varma Dr. Rajendra Mitharwal	Advanced iot sensors for medical diagnostics	Ongoing
18.	Abhinav Bhatnagar	Prof. Vijay Janyani	High performance thin film cigs solar	Ongoing
	Dilattiagai		Cell for portable electronic devices	
19.	Ashish Kumar	Prof Vijay Janyani, Prof R P Yadav, Dr. Mahanth Prasad	Design and development of mems based Piezoelectric acoustic sensor	Completed
20.	Bipin Kumar Saw	Prof. Vijay Janyani, Prof. Ghanshyam Singh	Design and analysis of transceiver for free space optical communication applications	Ongoing
21.	Usha Choudhary	Prof. Vijay Janyani	Design and optimization of optical ofdm communication systems	Completed
22.	Sudarshan Kumar Jain	Prof. Vijay Janyani	Design and fabrication of efficient solar cell	Ongoing
23.	Kurra Chaithanya	Prof. Vijay Janyani, Ramesh Battula	Software defined networking in internet of things	Ongoing
24.	Puneet Sharma	Dr Ritu Sharma, Prof. Vijay Janyani	Organic leds (tentative)	On-Going
25.	Mr. Tangudu Bharat Kumar (2014REC9520)	Dr. Boolchandani	Design of Wide Range Linear OTAs and their Application in Low-Frequency Signal Conditioning Circuits	Awarded
26.	Mr. Gaurav Sharma (ID: 2017REC9038)	Dr. Boolchandani	Design and Optimization of Voltage Controlled Oscillator for Wide Range Frequency Synthesizers	Awarded
27.	Mr. Prem Kumar (2016REC9535)	Dr. Boolchandani	Design and Development of hgh power RF MEMS Switch	Ongoing
28.	Mr. Deepak Gupta (2017REC9046)	Dr. Boolchandani	Study, Analysis and Design of Signal Conditioning Circuits for Biomedical Applications	Ongoing
29.	Ms. Jyoti Sharma (2019REC9512)	Dr. Boolchandani	Design of phase frequency detectors for high-speed frequency synthesizer	Ongoing
30.	Mr. Sujeet Kumar Gupta (2021REC9050)	Dr. Boolchandani	Low Power Gm based Instrumentation System for ECG/EEG Acquisition	Ongoing
31.	Mr. Hitesh Kumar Sharma (2019RMR9121)	Dr. Boolchandani	Triboelectric Energy Harvester for Flexible Applications	Ongoing
32.	Mrs. Ruchi Bhaskar	Dr. Bharat Choudhary & Dr. Rajesh Saha	Optimization of current mode logic design	Ongoing



33.	Mrs. Vandana Singh Rajawat	Dr. Bharat Choudhary & Dr. Ajay Kumar	Device modeling	Ongoing
34.	Trapti Mudgal	Dr. Deepak Bharti	Microelectronic devices and sensors	Pursuing
35.	Manas Tiwari	Dr. Deepak Bharti	Microelectronic devices and sensors	Pursuing
36.	Anil Sharma	Dr. Ila Sharma	Myoelectricsignal Processing	Pursuing
37.	Priya Kaith	Dr. Ila Sharma	Microstrippatch Antenna	Pursuing
38.	TamannaJain	Dr. Ila Sharma	Eegsignal Processing	Pursuing
39.	Basudha	Dr. Menka	Tunnel fet sensors	Ongoing
40.	Shalini Chaudhary	Dr. Menka & Dr. Chitrakant Sahu	Nefet device	Ongoing
41.	Devender Pal	Dr. Menka	In computation memory devices	Ongoing
42.	Riya Sen	Dr. Menka	Pervoskite solar cells	Ongoing
43.	Ms. Rashi Choudhary	Dr. Rajesh Saha	Simulation and modeling of finfet	Ongoing
44.	Mr. Shreyas Tiwari	Dr. Rajesh Saha	Simulation and modeling of tfet	Ongoing
45.	Poonam Devi	Dr. Ravi Kumar Maddila	Electro-optic modulators for visible light communication	Thesis Submitted
46.	Pawan Kumar Inaniya	Dr. Ravi Kumar Maddila and Dr. Rekha Mehra (Gec, Ajmer)	Characterization of graphene for sensors and other applications	Pursuing
47.	Renu Sharma	Dr. Ravi Kumar Maddila	Design and analysis of organic leds	Pursuing
48.	Surendra Kumar Saini	Dr. Ravi Kumar Maddila	Design of biomedical devices	Pursuing
49.	Sakshi Tiwari	Dr. Ravi Kumar Maddila	Design of integrated optic receiver for indoor optical wireless communication	Pursuing
50.	Neeraj Sharma	Dr. S. J. Nanda and Dr. Ravi Kumar Maddila	Machine learning applications in optical communication systems	Pursuing
51.	Gaurav Jain	Dr. Amit M Joshi and Dr. Ravi Kumar Maddila	Design of biomedical device	Pursuing
52.	Ms. Deepshikha Lodhi	Dr. Sarthak Singhal	Some investigations on superwideband microstrip antenna structures	Pursuing
53.	Mrs. Mamta Devi Sharma	Dr. Sarthak Singhal and Dr. Ritu Sharma	Wearable antennas	Pursuing
54.	Ms. Swati Gaur	Dr. Sarthak Singhal and Prof. Mohammad Salim	Wideband mimo antenna for future wireless applications	Pursuing
55.	Mr. Vikram Maurya	Dr. Sarthak Singhal	Multiband/wideband absorbers	Pursuing



56.	Dinesh Kumar	Dr. Satyasai Jagannath	Thesis title: distributed data	Completed,
	Kotary	Nanda	clustering with density based	Date Of
	(2015rec9510)		approaches and nature inspired	Defence:
			algorithms for wireless sensor	04-06-2021
			networks	
57.	Rahul Ratnakumar	Dr. Satyasai Jagannath	Thesis title : hardware	Completed,
	(2014rec9032)	Nanda	implementation of k-means and	Date Of
			nature inspired clustering	Defence:
			algorithms for real-time image	07-06-2021
			segmentation	
58.	Vikas Pathak	Dr. Satyasai Jagannath	Thesis title: hardware	Completed,
	(2013rec9567)	Nanda	implementation of digital filtering	Date Of
		Joint Supervised By Dr.	techniques for genomic sequence	Defence:
		Amit M. Joshi	analysis	07-01-2022
59.	Aakansha Agarwal	Dr. Satyasai Jagannath	Multi-objective evolutionary	Ongoing
	_	Nanda	algorithms for data clustering	
60.	Ashish Sharma	Dr. Satyasai Jagannath	Neural networks and evolutionary	Ongoing
	(2018rec9054)	Nanda	computing models in seismic	
			signal processing	
61.	Anita Panwar	Dr. Satyasai Jagannath	Clustering in wireless	Ongoing
	(2021rec9569)	Nanda	sensor network	
62.	Neeraj Sharma	Dr. Satyasai Jagannath	Optical channel equalization	Ongoing
	(2019rec9562)	Nanda, Dr. R. K. Maddila		
63.	Geetha P.	Prof. R. P. Yadav, Dr.	Channel estimation and detection	Ongoing
	(2018rec9046)	Satyasai Jagannath Nanda		

S.	Name of Student	Supervisor	Title of Thesis	Status
No.				
1.	Shabana Khanam	Prof. R. P. Yadav	Performance Analysis of Next	Completed
			Generation	
			Optical Networks	
2.	Sircilla Anusha	Prof. R. P. Yadav	Milli Meter Wave Antennas with	Completed
			Recessed and Defected Ground	
			Structures for 5G Applications	
3.	Mahaveer	Prof. R. P. Yadav	A Low Profile Dual Polarized	Completed
	Mahawar		Antenna for 5G MIMO	
			Applications	
4.	Sachi Patel	Prof. K.K. Sharma	Computation on homomorphically	Awarded
			encrypted cloud data	



5.	Rishabh	Prof. K.K. Sharma	Face Recognition using Graph	Awarded
	Ramnaryan		Signal Processing Techniques	
	Bahoria			
6.	Kajal Singh	Prof. K.K. Sharma	Underwater Image Enhancement	
			using Physical Model based	Awarded
			approach	
7.	Gyanaranjan	Prof. D. Boolchandani	A Novel Differential Ring	Awarded
	Sahoo		Oscillator with wide Tuning	
			Range, low Phase Noise and low	
			percentage of THD	
8.	Narendra	Prof. D. Boolchandani	Low Noise, Low Power Current	Awarded
	Choudhary		Feedback Instrumentation	
			Amplifier using DOFC Op-amp	
			for Biomedical Application	
9.	Shivam	Prof. D. Boolchandani	Design of Phase Frequency	Awarded
	Maheshwari		Detector using 180nm technology	
10.	Divya Bharti	Dr. Tarun Varma	Using MATLAB Simulink to	
			Analyze the Characteristics of a	Completed
			Solar Photovoltaic Cell Array	
11.	Anjali Kumari)	Dr. Tarun Varma	Design of TCAM for Low Power	
			and High speed	Completed
12.	Chethana H.N.	Dr. Tarun Varma	Speech Emotion Recognition	Completed
13.	Manoj Rajput	Dr. Tarun Varma	Speaker Recognition Using 3d	Completed
			CNN and GMM	
14.	Dheeraj Gupta	Dr. Tarun Varma	A Low Voltage Low Power Ota	Completed
			And Three Stage Class-Ab Cmos	
			Ota Using Bulk Driven Technique	
15.	Abhinav Soni	Dr. Tarun Varma	Speech Emotion Recognition	Completed
16.	Ashutosh Rawat	Dr.Ritu Sharma	Wlan Events Handling Using	Completed
			Dedicated Hardware	
17.	Santosh Kumar	Dr.Ritu Sharma	Covid-19 Health care Monitoring	Completed
18.	DimpalKhichar	Dr.Ritu Sharma	Enhanced Performance of BER of	completed
			OFDM using chanel estimation	
			and concatenated channel coding	
19.	Preetika Gupta	Dr.Ritu Sharma	Diabetic Retinopathy detection	completed
			using transfer learning techniques	



20.	Vikas Gupta	Dr. Ritu Sharma	Soft erroe resiliency verification	Completed
21.	Shaswat Chatterjee	Dr. Ritu Sharma	A blockchain based Decentralized	Completed
			cross platform cryptocurrency	
			exchange protocol	
22.	Gopi Bhati	Dr. Ritu Sharma	High performance analysis of	Completed
			P300 speller using machine	
			learning and deep learning	
23.	Suraj Kumar	Dr. Ritu Sharma	Design And Simulation of	Completed
			Piezoelectric Mems Cantilever	
24.	Desh Deepak	Dr. Ritu Sharma	Design of 2.4 GHz CMOS LNA	Completed
	lawaniya		for RF front end Receiver using	
			TSMC 45 nm technology.	
25.	Teena Jangid	Dr. Amit M. Joshi	Machine learning algorithms for	Completed
			predicting coronary artery disease	
			with a review on point of care	
			measurement of NTproBNP.	
26.	Priyanka Yadav	Dr. Amit M. Joshi	EMG based Upper Limb	Completed
			Prosthetic Control	
27.	Pranali Prabhakar	Dr. Amit M. Joshi	Classification of Motor Imagery	Completed
	Kokate		Activities from EEG Signals using	
			Machine	
28.	Kor Paras M.	Dr. Amit M. Joshi	Smart Non-invasive Blood	Completed
			Glucometer	
29.	Himanshu Dayma	Dr. Bharat Choudhary	Optimization In Positive Feedback	Completed
			Source Coupled Logic (PFSCL)	
			Circuit Design Using FGMOS	
30.	Man Singh	Dr. Bharat Choudhary	Optimization in MOS Current	Completed
	Prajapat		Mode Logic Circuit by using	
			DTMOS	
31.	Jaishree	Dr. Bharat Choudhary	Optimization in MOS Current	Ongoing
			Mode Logic Circuit by using	
			FGMOS	
32.	Rohit Singh	Dr. Deepak Bharti	Characterization of Type-C	Completed
	Yadav		Controller Generation 6	
33.	Pradyumna Gaur	Dr. Deepak Bharti	Verilog AMS and Wreal	Completed
			modelling of PMIC	
34.	Anugrah Narayan	Dr. Deepak Bharti	Extensive Study of Machine	Completed
	Shukla		Learning algorithms and	



			Convolution networks using	
			MNIST data	
35.	ChandraShekhar	Dr. Ila Sharma	FilterbankDesign	Awarded
36.	PankajGupta	Dr. Ila Sharma	MultiplierlessFilters	Awarded
37.	TejalShambharkar	Dr. Ila Sharma	CognitiveRadio	Awarded
38.	Nikhil Rajulapati	Dr. Menka	University Chatboat	Awarded
39.	Nikhil M	Dr. Menka	Karatsuba Multiplier	Awarded
40.	Rishabh Dhyani	Dr. Menka	Low power SAR ADC	Awarded
41.	Niranjan Patel	Dr. Rajendra Mitharwal	Design Of All Optical Complex	Completed
			Digital Circuits Using Micro Ring	
			Resonator Structure	
42.	Amisha Sankhwar	Dr. Rajendra Mitharwal	Reconfigurable Dual Wideband	Completed
			Absorber For Ku-bandAnd	
			Millimeter Wave Application	
43.	Ravi Raj	Dr. Rajendra Mitharwal	Reconfigurable Frequency	Completed
			Selective Surface Using Four Arm	
			Star Geometry	
44.	Krishna Pal	Dr. Rajesh Saha	Optimization of Electrical	Awarded
			Parameters in CNT FET	
45.	Mrigendra Singh	Dr. Rajesh Saha	Physical Design implementation of	Awarded
			block design using OCC for Clock	
			Control	
46.	Gara Srinivasar	Dr. Rajesh Saha	Electrical Parameter Analysis of	Awarded
			PIN and NPN Double Gate TFETs	
47.	Jitendra Kumar	Dr. Rajesh Saha	Analysis on RF/Analog parameters	Awarded
			of Hetero-stacked TFET and its	
			application as Biosensor	
48.	Vinit Kumar	Dr. Ravi Kumar Maddila	Study of machine learning for	Completed
			fiber nonlinearity in elastic optical	
			networks	
49.	Ghanshyam Saini	Dr. Ravi Kumar Maddila	Design and study of printed log	Completed
<u></u>			periodic antenna	
50.	Avinash Dubey	Dr. Ravi Kumar Maddila	Design and analysis of single and	Completed
			dual band microstrip patch antenna	
51.	Shikha Awasthi	Dr. Ravi Kumar Maddila	Concentric multicore fiber designs	Completed
			and applications	
52.	Shilp a Gottam	Dr. S. J. Nanda	CNN-LSTM model trained with	Completed
		Dr. Ravi Kumar Maddila	Grey Wolf Optimizer for	



			prediction of household power	
			consumption	
53.	Ravi Mali	Dr. Sarthak Singhal	Ultra Wideband MIMO Antenna	Completed
			For Broadband Circularly	
			Polarized Applications	
54.	Suman	Dr. Sarthak Singhal	Wideband Circularly Polarized	Completed
			Microstrip Antennas	
55.	Neti Sharma	Dr. Sarthak Singhal	Broadband Terahertz Absorbers	Completed
56.	Rashi Gupta	Dr. Satyasai Jagannath	Solving Dynamic Many-objective	Awarded
		Nanda	TSP using O-NSGA-III Equipped	2021
			with SVR-RBF Kernel Predictor	
57.	Gutta Ramya	Dr. Satyasai Jagannath	Binary Multi-objective CLONAL	Awarded
		Nanda	Algorithm for Band Reduction in	2021
			Hyper-spectral images	
58.	Shilpa Gottam	Dr. R. K. Maddila and Dr.	CNN-LSTM Model Trained with	Awarded
		Satyasai Jagannath Nanda	Grey Wolf Optimizer for	2021
			Prediction of Household Power	
			Consumption	
59.	Gaurav Prakash	Dr. Satyasai Jagannath	Side-Scan Sonar Image	Awarded
		Nanda	Segmentation using Multifactorial	2022
			Evolutionary Algorithm Based on	
			Population Evolvability (MFEA-	
			PE)	
60.	Vikas Kumar	Dr. Satyasai Jagannath	A Fuzzy Adaptive Dynamic	Awarded
	Maurya	Nanda	SPEA2 Algorithm for Time	2022
			Varying Multi-objective Home	
			Appliances Scheduling	



DEPARTMENT OF MECHANICAL ENGINEERING

List of Candidates Pursuing /Completed Ph.D.

S.	Faculty Name	Scholar	Research Topic	Status
No.		Name		
1.	Prof. A. P. S.	Mahendra	Design & Development of ED assisted CLG	Completed
	Rathore	Singh	for Inconel 600 Thin-walled Tube Machining	
		Shekhawat		
2.	Prof. G. S.	Ram Charan	Ergonomic Evaluation and Design of Hand	Ongoing
	Dangayach	Bairwa	Tool intervention in Agriculture Sector	
3.	Prof. G. S.	Lalit Kumar	Ergonomic Intervention for Improving	Ongoing
	Dangayach	Sharma	Occupational Health of Carpenters	
4.	Prof. G. D.	Kamal Kumar	Studying the effect of soil moisture content	Completed
	Agarwal	Agrawal	and back filling materials on the performance	
			of ground air heat exchanger	
5.	Prof. G. D.	Dhande Amol	Solar Dryer	Ongoing
	Agarwal	Suresh		
6.	Prof. Dilip Sharma	Jitendra Singh	Development of Solar Operrated Cogeneration	Completed
			System for Remote Applications	
7.	Prof. Dilip Sharma	Amit Jhalani	Performance, Combustion and Emission	Completed
			Studies on a Stationary CI engine fulled with	
			Gomutra Emulsified Diesel	
8.	Prof. Dilip Sharma	Pushpendra	Studies on Hydroxy-Diesel Fuelled Stationary	Completed
		Kumar	C.I. Engine	
		Sharma		
9.	Prof. Jyotirmay	Priyam	Development of a Building Bioclimatic Design	Completed
	Mathur	Tewari	Chart for Evaporative Cooling in Composite	
			Climate	
1.0	Prof. Jyotirmay	Virendra	Building Energy Efficiency	Ongoing
	Mathur	Sharma		
1.1	Dr. M. L. Meena	Ramcharan	Ergonomic evaluation and design of hand-tool	Ongoing
		Bairwa	interventions in agriculture sector	
12	Dr. M. L. Meena	Lalit Kumar	Ergonomic evaluation and design of hand-tool	Ongoing
		Sharma	interventions in small scale industry	
13	Prof. Himanshu	Nrnv	Design and Development of Vibratory Tillage	Completed
	Chaudhary	Gowripathi	Cultivator	
		Rao		
1.4	Dr. Mukesh Kumar	Anaparth Lohit		Completed
		Katikireddy S.	reinforcement on the mechanical, thermal,	
		Pra	thermo-mechanical and tribological properties of nylon based composites	



15.	Dr. Mukesh Kumar	Ravindra	Preparation and Characterization of TiO2	Completed
		Kumar Meena	particulate reinforced hybrid dental composite materials	
16.	Dr. Mukesh Kumar	Yogesh Tak	Preparation and Characterization of Al2O ₃	Completed
			particulate reinforced hybrid dental composite	
			materials	
17.	Dr. Amit Kumar	Preeti	Prosthetic feet vibrational characterization and	Ongoing
	Singh	Chauhan	stability analysis on gait of lower limb	
1.0			prosthesis	
18.	Dr. Harlal Singh	Ram Niwas	Texturing of Thin Walled Cylindrical	Ongoing
1.0	Mali	Saran	Components by Hybrid EDCLG	~
19.	Dr. Amar Patnaik	Vinayak	Development of Ti-Al-N based coating on Al-	Completed
		Rajashekhara	alloy for application in hydroturbine blades	
		Kiragi		
20.	Dr. Amar Patnaik	Chandramani	Technology for the fabrication of Silicon	Completed
		Goswami	Nitride Based Ceramic Hip Joint for Human	
21	75 Y' 1 Y		Body	
21.	Dr. Jinesh Kumar	Pankaj Sonia	Development of Magnesium based	Ongoing
	Jain		biodegradable implants for controlled	
	D D :	-	biodegradable behavior	
22.	Dr. Rajeev	Praveen	Integrating lean practices with industry 4.0	Ongoing
22	Agrawal	Saraswat	technology	0 '
23.	Dr. Rajeev	Pragati Sinha	Emerging technology in strengthening supply	Ongoing
	Agrawal		chain for promoting sustainable business	
24	D. D D 1	A1	models in India.	0
24.	Dr. Ram Dayal	Anshul	Development of electrokinetic micromixer for	Ongoing
		Kumar Bansal	non-Newtonian fluids using conductive deformable links	
25.	Dr. Anup Malik	Vinod Kumar	Coating and Characterization of biodegradable	Ongoing
25.	Dr. Anup Mank	Mahto	alloy for implant applications	Ongoing
26.	Dr. Anup Malik	Raj Kumar	Fabrication and Characterization of Carbon	Ongoing
20.	Dr. Anup Wank	Kaj Kulliai	Fibre Polymer Composite	Oligoling
27.	Prof. A. P. S.	Riju Jakhar	Management Studies	Completed
	Rathore			
28.	Prof. A. P. S.	Viabhav Gaur	Vulnerability And Reliability Assessment of	Completed
	Rathore		Infrastructure Networks	
29.	Prof. Rakesh Jain	Aniruddha	Industry 4.0 in Indian Manufacturing Industry	Completed
		Wagire		



30.	Prof. Rakesh Jain	Dnyaneshwar	Development of Integrated Framework of	Completed
		Jivanrao	Supply Chain Blockchain Technology	
		Ghode		
31.	Prof. Rakesh Jain	Ved Prabha	Behavioural Intention to Adopt Industry 4.0	Ongoing
		Toshniwal	Technology among Indian Pharmaceutical	
			sector.	
32.	Prof. G. D.	Sheetal	Thermal Performance Investigations of an	Completed
	Agarwal	Kumar Jain	Artificially Roughened Solar Air Heater using	
			Arc Shaped Ribs with Multiple Gaps	
33.	Prof. G. D.	Sandeep	Natural Desiccant Assisted Cooling System	Ongoing
	Agarwal	Shukla		
34.	Prof. Dilip Sharma	Hemant Raj	Experimental studies on Micro- Scale Solar	Completed
	_	Singh	Thermal Trigeneration/ Cogeneration system	
			for House Hold Applications	
35.	Prof. Jyotirmay	Lalit Kumar	Role of Solid Bio Fuels and Associated Factors	Completed
	Mathur	Joshi	in Exacerbation of Respiratory Disorders in	
			Rural Microenvrironment and Interventions for	
			Abatement of Pollutants	
36.	Prof. Jyotirmay	Rana Veer	Performance Analysis of HVAC Systems	Completed
	Mathur	Pratap Singh	Integrated with Thermal Energy Storage	
37.	Prof. Jyotirmay	Sunil Kumar	Quantification of Occupant's Adaptive Control	Completed
	Mathur		Actions for Improving Indoor Environmental	
			Quality (IEQ) in Buildings	
38.	Prof. Jyotirmay	Anjali Jain	Short-term Operational Considerations for	Completed
	Mathur		Long-term System Planning	
39.	Dr. M. L. Meena	Jai Narain	Zero Vision Accidents (ZAV): Indian	Completed
			Industries	
41.	Prof. Himanshu	Vipul Sharma	Design and development of Digger tiller	Ongoing
	Chaudhary			
43.	Dr. Mukesh Kumar	Arun Wali	Erosive wear performance of Cr3C2NiCr and	Completed
			WC thermal sprayed coatings on SS304 steel	
44.	Dr. Mukesh Kumar	Ved Prakash	Erosive wear performance of AlN thin film	Completed
		Sharma	and Al2O3 + TiO2 coatings on SS304 steel	
			and AA6061 aluminium alloy	
45.	Dr. Mukesh Kumar	Abhijeet	Erosive and corrosive wear study on TiO2 thin	Completed
		Singh Pallavi	film coated AA6061 alloy by sputtering	
		Sagar	technique	
46.	Dr. Mukesh Kumar	Shivam	Machining and Tribological characteristics of	Ongoing
		Mishra	MMC	



47.	Dr. Amit Kumar	Gurpreet	Dynamic Alignment of Lower Limb	Ongoing
	Singh	Singh	Prostheses	
48.	Dr. Anoj Meena	Mr. Yugal	Performance evaluation of natural fiber	Ongoing
		Kishor	reinforced composite	
		Sharma		
49.	Dr. Harlal Singh	Siddhartha	Experimental Explorations of Micro-EDM in	Completed
	Mali	Kumar Singh	Fabrication of Microchannel based Micro Heat	
			Exchanger	
50.	Dr. Gunjan Soni	Dhynashwar	Development of A Blockchain Technology	Completed
		Ghode	Enabled Supply Chain Framework for	
			Manufacturing Organization	
51.	Dr. Gunjan Soni	Devesh	Supply chain Reliability	Ongoing
		Kumar		
52.	Dr. Gunjan Soni	Paras Garg	Reliability Assessment of Infrastructure	Ongoing
			Networks	
53.	Dr. Gunjan Soni	Vedprabha	Technology Adoption in Manufacturing	Ongoing
		Toshniwal	Supply Chains	
54.	Dr. Amar Patnaik	Mahaveer	Design, Development and Analysis of	Completed
		Choudhary	Particulate Filled Polymer Composite for Wind	
			Blade Applications in Erosive Environment	
55.	Dr. Amar Patnaik	Ankush	Investigation of Physico-Mechanical and Wear	Completed
		Sharma	Analysis of Stone/Industrial Waste Filled	
			Needle-Punched Nonwoven Jute - Epoxy	
			Composites for Low Grade Housing	
			Applications	
56.	Dr. Amar Patnaik	Sourabh	Mechanical and Sliding Wear Performance of	Completed
		Bhaskar	AA2024 Hybrid Alloy Composite Materials:	
			Effect of Ceramic-Graphite Particulate	
			Combinations	
57.	Dr. Jinesh Kumar	Vishal Bhojak	Characterization of Steel Based Surface	Ongoing
	Jain		Composites fabricated by FSP	
58.	Dr. Jinesh Kumar	Nikhil Jain	Investigation on Surface Characteristics of	Ongoing
	Jain		Advanced Materials using Environmental	
			Friendly dielectric fluid ion EDM	
59.	Dr. Rajeev	Satyajit	A critical study and practical proposition for	Completed
	Agrawal	Mahto	operations excellence in small and medium-	
			scale enterprises	
60.	Dr. Rajeev	Naween	Sustainable additive manufacturing in Industry	Ongoing
	Agrawal	Kumar Jha	4.0	



61.	Dr. Rajeev Agrawal	Vaibhav	Role of Industry 4.0 in Sustainable supply	Ongoing
		Sharma	chain management	
62.	Dr. Ram Dayal	Gaurav	Investigation of a Soar Air Heater Duct with	
		Kumar	Transverse Vortex Generators	
		Chhaparwal		
63.	Dr. Anup Malik	Shashank	nank Design, Model and Development of Micro-	
		Singh	Fluidic Devices	
64.	Dr. Anup Malik	Sourav P S	Design and Development of Electrochemical	Ongoing
			Spark Machining Setup	

S.	Name of Student	Supervisor	Title of Thesis	Status
No.				
1.	Anurag Singh	Dr. Naresh	Modal analysis of electric motor rotor with	Completed
		Kumar	fault	
		Raghuwanshi		
2.	Zaid Zaved	Prof.	Fatigue Analysis of Rotary Tiller Blade for	Completed
		Himanshu	different Soil Conditions	
		Chaudhary		
		and Dr. Gulab		
		Pamnani		
3.	Ashok	Dr. Dinesh	Effect on Debonding due to different loading	Completed
		Kumar and	conditon and volume fraction	
		Dr. Gulab		
		Pamnani		
4.	Anchit Maheshwari	Prof. T C	Biomechanical Modelling in Automobile to	Completed
		Gupta	Evaluate Vibration Discomfort.	
5.	Himanshu Jangir	Prof. T C	Air Flow analysis inside a tray dryer.	Completed
		Gupta		
6.	Rohit Kumar Singh	Prof. T C	Evaluation and Comparison of Damping	Completed
		Gupta	Coefficients of a FEM Human Body Vibratory	
			Model.	
7.	Varun Jangra	Prof. T C	Effect of bearing fault and arbitrary load	Completed
		Gupta, Dr.	condition on stiffness of ball bearing	
		Naresh K.		
		Raghuwanshi		



8.	Mohd Ashraf	Dr. Amit	Tremor Quantification And Analysis By	Completed
		Kumar Singh	Extraction Of Various Kinematic Parameters	
9.	Abhilash	Dr. Dinesh	Multiscale Modeling and Analysis for the	Completed
		Kumar	Mechanical Responses of 8 HS Woven	
			Nanocomposites	
10.	Abhimanyu Singh	Dr. Dinesh	Micromechanical Modelling of the influence	Completed
		Kumar	of stress triaxiality on the failure of High	
			Entropy Alloys (HEAs)	
11.	Hemendra Kumar	Dr. Dinesh	Phase field modelling of crack growth in high	Completed
	Satrawla	Kumar	entropy alloys	
12.	Raj Varun Singha	Prof.	Analysis, Modeling And Design Improvement	Completed
		Himanshu	Of Potato Harvester	
		Chaudhary &		
		Dr. Gulab		
		Pamnani		
13.	Shubham Sharma	Prof.	Synthesis And Modeling Of Four Bar Digging	Completed
		Himanshu	Cultivator	
		Chaudhary		
14	Vikas Sharma	Prof.	Modeling and Analysis of Groundnut Digger	Completed
		Himanshu		
		Chaudhary		
15.	Deependra Singh	Dr. Dinesh	Delamination growth analysis of DCB, ENF,	Completed
	Meena	Kumar and	MMB test element using cohesive zone model	
		Dr. Naresh K.	under cyclic loading	
		Raghuwanshi		
16.	Farhanuzzaman	Dr. Amit	Morphometric Analysis of C1, C2 vertebrae	Completed
	Khan	Kumar Singh	with Congenital Anomalies in Central Indian	
			Population	
17.	Mohit Kumar	Dr. Amit	Analysis of front end bending and its effect on	Completed
		Kumar Singh	stripper guides in heavy plate rolling mill	
18.	Vivek Sachdeva	Prof.	Dynamic Balancing of the Thresher Drum	Completed
		Himanshu		
		Chaudhary		
22.	Kirti Singh Bundel	Dr. Ram	Numerical Investigation of Natural Convection	Completed
		Dayal	Heat Transfer in Asymmetric heated	
			Rectangular Duct	
23.	Kapil Kalra	Dr. Amit	Numerical investigation of novel pinfin heat	Completed
		Arora	sinks for thermal augmentation and hotspot	
			alleviation	



24.	Vikram Meena	Dr. Amit	Numerical study of plate fin heat sink under	Completed
		Arora	free convection conditions	
25.	Sumit Bera	Prof. Dilip	Production and performance studies of Mahua	Completed
		Sharma	biodiesel operated on stationary C.I. engine	
26.	Mahaveer	Dr. Nikhil	Investigation of the Effect of Methanol	Completed
		Sharma	addition on Performance, Combustion and	
			Emission Characteristics of CI Engine working	
			with Diesel Fuel	
27.	Pushpendra	Dr. Nikhil	Investigation on Combustion, Performance and	Completed
	Choudhary	Sharma	emission characteristics of Common Rail	
			Diesel Engine Fuelled with Diesel/Methanol	
			Blends	
28.	Abhishek Mohan	Dr. Nikhil	Numerical and theoretical analysis for shell	Completed
	Rao	Sharma	side heat transfer Augmentation by varying	
			baffle parameter in STHX	
29.	Gaurav Kr Gupta	Dr. Manish	Design and Development of 3D Printer for	Completed
		Kumar	Chocolate Pouring	
30.	Shobhit Mishra	Manjinder	Drag on capillary scale floating objects	Completed
		Singh		
31.	Amit Kumar	Prof. G. D.	Studies on Greenhouse Solar Dryer for drying	Completed
	Sharma	Agarwal	of selected crops and their by-products	
32.	Ravi Yadav	Prof. G. D.	Experimental performance of Natural Desicant	Completed
		Agarwal	Materials for Evaporative Cooling Systems	
33.	Amit Dobal	Prof. Nirupam	CFD Modelling of a Thermosyphon using	Completed
		Rohatgi	Ansys Fluent	
34.	Parvinder Singh	Dr. M. L.	Comparative Analysis and Ergonomic Solution	Completed
		Meena	for Working Pregnant Women	
35.	MrigndraYadav	Dr. M. L.	Ergonomic Intervention in Wood Carving	Completed
		Meena	Handicraft Operation	
36.	Ved Prabha Toshniwal	Dr. M. L.	Productivity Improvement of an Engine	Completed
		Meena	Manufacturing by Using Single Minute	
			Exchange of Die (SMED) Methodology	
37.	Manish Kumar	Dr. M. L.	Application of Six Sigma to Reduce Welding	Completed
		Meena	Defects of Helical Submerged Arc Welded	
			Pipes	
38.	AlokYadav	Dr. Rajeev	Life cycle sustainability assessment in	Completed
		Agrawal	manufacturing industries	
39.	Anjali Gandhi	Dr. Rajeev	Block chain technology adoption in	Completed
	J	Agrawal	Agriculture Supply Chain	l l
		<i>G</i>	- 11-7	



40.	Sahdev Singh Yada	Prof. G. S.	Sustainability Assessment of Galvanized Sheet	Completed
70.	v	Dangayach	Metal Production	Completed
41.	Abhishek Kumar	Prof. A.P.S.	Data Analysis of parameters affecting sinter	Completed
71.	Admistick Rumai	Rathore	quality and production using machine learning	Completed
		Ramore	approach	
42	Shobha Rathore	Prof. A.P.S.	**	Completed
42.	Shoona Ramore		Blockchain-based wheat supply chain system:	Completed
42	A . 1.2. A . 11	Rathore	Indian context	G 1 . 1
43.	Ankita Anil	Prof. A.P.S.	Resilient Supplier Selection for Supply Chain	Completed
	Sinawane	Rathore	of perishable products	- 1 · 1
44.	Nainsi Gupta	Dr. Gunjan	A Game Theoretic Approach for Evaluating	Completed
		Soni	Traceability Technology Adoption in Food	
			Supply Chain	
45.	Paras Garg	Dr. Gunjan	Machine Learning Based Abnormality	Completed
		Soni	Detection Approach for Vacuum Pump	
			Assembly line	
46.	Ishaandey	Dr. Gunjan	An empirical investigation of Traceability	Completed
		Soni	Technology adoption in Indian Perishable	
			Food Supply Chains	
47.	MohdAqib	Dr. Gunjan	Sustainable and Resilient Supplier Selection	Completed
		Soni	Using MCDM techniques	
48.	Tulika Singh	Prof. Tulika	Collaborative consumption in clothing: Drivers	Completed
		Singh	and barriers for Indian Market	
49.	Navin Rajpurohit	Prof. M. L.	Development of hybrid MGWO optimized	Completed
		Mittal	Support Vector Machine approach for tool	
			wear monitoring	
50.	Pawan	Prof. M. L.	Bearing remaining useful life estimation using	Completed
		Mittal	exponential degradation model and forest	
			algorithm	
51.	Rajendra Prasad	Dr. Tapas	Optimization of Process Parameters during	Completed
	Meena	Bajpayi	Gas Metal Arc welding of Mild Steel Spatial	
			Analysis	
52.	Maheshvar Nath	Dr. HS Mali	Investigation Of Process Parameters Affecting	Completed
	Trivedi		Performance Of Oil Film Bearing Used In	
			Cold Rolling Mill:	
53.	Tarun Singh	Dr. Anup	Improving the Surface Characteristics of	Completed
	Chouhan	Malik	MgAZ31B alloy by RF Magnetron Sputtering	,
54.	Shubham Sachdeva	Dr. HS Mali	Machinability Study of Plain Woven Kevlar	Completed
			Textile Composite	
	l		TT	



55.	Yugal Kishor	Dr. Anoj	Investigation of physical and mechanical	Completed
	Sharma	Meena / Dr.	characterization of Date Palm fiber Reinforced	P
		Amar patnaik	Epoxy Composite	
56.	Sashikant Gharti	Dr. Amar	Avoiding premature failure of inner cover in	Completed
	Chhetri	patnaik	batch Annealing Furnace	1
57.	Satendra Singh	Dr. Pankaj	Investigations on tensile and flexural	Completed
		Kumar Gupta	properties of wheat straw fiber reinforced	1
			polymer composite	
58.	Vinod Kumar	Dr. Jinesh	Comparative Study of Weld Bead Geometry of	Completed
	Aswal	Kumar Jain	AISI 1023	
59.	Arun Walia	Dr. Mukesh	Erosive wear performance of Cr3C2NiCr and	Completed
		Kumar	WC thermal sprayed coatings on SS304 steel	
60.	Yogesh Kumawat	Dr. Amar	Experimental Analysis of Thermal and	Completed
		Patnaik	Thermo-Mechanical Properties of Polymer	
			Composites	
61.	Gaurav Kishor	Dr. Tapas	Process Parameters Optimization of Gas Metal	Completed
		Bajpai	Arc Welding Process for Bead-on- Plate	
			Welding of IS: 2062 Mild Steel	
62.	Mahaveer Prasad	Dr. Pankaj	Modeling and simulation on electro chemical	Completed
02.	Sharma	Kumar Gupta	discharge machining for micro channel	Completed
	Sharma	Kuma Gupta	fabrication of glass	
63.	Gaurav Singh	Prof. G S	Corrosion investigation of high strength low	Completed
05.	Gautav Singii	Dangayach	alloy (HSLA) steel weldment	Completed
64.	Ved Prakash	Dr. Mukesh	Erosive wear performance of AlN thin film	Completed
•	Sharma	Kumar	and Al2O3 + TiO2 coatings on SS304 steel	Compicion
			and AA6061 aluminum alloy	
65.	Mahesh Chaudhary	Dr. Jinesh	Mechanical Analysis and Characterization of	Completed
		Kumar Jain	Zinc Alloy	- Compression
66.	Gajender Kumar	Dr. HS Mali	Experimental Feasibility on Abrasive Flow	Completed
	3		Finishing of Micro Scale Features	1
67.	Achary Sreeraj	Mr. Amit	Performance Analysis of Neural Networks in	Completed
	Vijayan	Pancharya	Prediction of Quality of Injection Molded Parts	_
68.	Nishant Yadav	Dr. Amar	Experimental Analysis of Physical and	Completed
		patnaik	Mechanical Properties of Natural Fiber	
			Polymer Composites	
69.	Aditya Prakash	Dr. Anup	Experimental Analysis on Turing of Ti6Al4V	Completed
		Malik	Alloy	



70.	Manish Kumar	Dr. Anoj	Experimental Investigation On Abrasive Flow	Completed
	Jangid	Meena	Finishing of FDM Printed Extrusion Die Insert	
			Pattern	

DEPARTMENT OF METALLURGICAL & MATERIALS ENGINEERING

List of Candidates Pursuing /Awarded Ph.D.

S.	Name of Student	Supervisor	Торіс	Status
No.				
1.	Gadve	Prof. Rajendra Kumar	Electrical and Mechanical Properties of	In
	Roshan Devanand	Goyal	Polymer Matrix Nanocomposites/Hybrids	Progress
2.	Mansa Mohan	Prof. Upender Pandel/	Corrosion Protection of Carbon Steel	In
		Dr. Krishna Kumar	Using Al Based High Entropy Alloys-	progress
			Graphene Oxide Nanohybrid Coating	
3.	Premlata	Prof. UpenderPandel/	Synthesis and Characterization Studies of	In
		Dr. Krishna Kumar	High Entropy Alloys-Graphene Oxide	progress
			Composite Coatings on Mild Steel	
4.	Sunil Kumar Jatav	Dr. Rajendra Kumar	Investigation of Melt Coolability With	Awarded
		Duchaniya/Prof.	Bottom Ingression of Coolant on Cao-	
		Upender Pandel	Fe2O3 Simulant Material	
5.	Vijay Kumar	Dr. Rajendra Kumar	Study of Heat Transfer in Axial and	Awarded
	Pandey (Part	Duchaniya	Redial Direction for Non-Prototype	
	Time)		Materials	
6.	Versha Goyal	Prof. Rajendra Kumar	Development of In Situ Al3Ti Reinforced	In
		Goyal	Nano Stuructred Al Alloys Via	Progress
			Mechanical Alloying	
7.	Sandeep Kumar	Dr. Ajaya Kumar	Synthesis and Characterization of	In
		Pradhan	Aluminium Metal Matrix Composite	Progress
8.	Sunil Manani	Dr. Ajaya Kumar	Combined Effect of	In
		Pradhan	Meltthermaltreatment and Grain Modifier	Progress
			on Hypoeutectic and	
			HypereutecticAluminiumSiliconAlloy	
9.	Mrigesh Kumar	Dr. Vijay	Novel Synthesis and Formability of	In
	Verma	Navaratna Nadakuduru	Ultrafine Grained Gamma TiA1 Based	Progress
			Alloy	
10.	Ravindra Singh	Dr. Vijay	Friction Stir Welding of Aluminium and	In
	Shekhawat	Navaratna Nadakuduru	Low Carbon Steel for Automotive	Progress
			Application	



11.	Mukesh Kumar Chowrasia	Prof. M. K. Banerjee/ Prof. Upender Pandel	Additive Design for Ultra High Strength Steel with Toughness	Awarded
12.	Ritesh Gupta	Dr. Krishna Kumar/	Synthesis and Characterization of Shape	In
		Prof. Upender Pandel	Memory Polymer Composite	progress
13.	Nidhi Sindhu	Dr. Sreekumar Vadakke	Development of Gradient Distribution of	In
		Madam	Nano Dispersoids in Metals	progress
		/Prof. Rajendra Kumar		
		Goyal		
14.	Mukesh Kumar	Dr. Swati Sharma/	Study on Effect of Fly Ash Content on	In
		Prof. Rajendra Kumar	Mechanical and Thermal Properties of	Progress
		Goyal	High Performance Polymer Matrix	
			Composite	
15.	Sandeep Mahore	Dr. AbhishekTripathi/	Development of Light Weight Alloys for	In
		Dr. Swati Sharma	Future Energy Efficient Automotive	Progress
			Applications	
16.	Vijay Gaikwad	Dr. Manjesh Kumar	Friction Welding of Nickel Base Super	In
		Mishra	Alloy and Steel: Microstructure	Progress
			Characterization and Mechanical	
			Behavior	_
17.	Ashwin Shah	Dr. Brij Mohan	High Entropy Alloy for High	In
		Mundotiya/Dr. Rajesh	Temperature applications	Progress
1.0	D: 1 . D: . 1	Kumar Rai	C1	т.
18.	Bishnu Prasad	Dr. Manjesh Kumar	Characterisation of Additively	In
	Mahto	Mishra/Rajesh Kumar	Manufactured Ti-6Al-4V	Progress
10	Dobobrato Dos	Rai	Synthesis and Characterization of	In
19.	Debabrata Das	Dr. Vijay Navaratna Nadakuduru /	Synthesis and Characterization of Consolidated Al-Li Alloys by Powder	
		Prof. U. Pandel	Metallurgy Routes	Progress
20.	Ishwar Sharma	Dr. KunalBorse/ Prof.	Corrison Resistant Coating on Aerospace	In
	-Jan II Was Market Hill	Rajendra Kumar	Alloys	Progress
		Goyal	<i>J</i>	1.05.000
21.	Lokavarapu Rama	Dr. Krishna Kumar/	Characterization and Physical Properties	In
	Krishna	Prof. Upender Pandel	Determination of Core Catcher Sacrificial	Progress
			Material and its Ablation Products	
22.	Sharat Chandra	Dr. Rajesh Kumar Rai	Tensile Behavior of Titan ium Based	In
		/ Prof. Upendra Pandel	Superalloys for Space Application	Progress
	I	·		



23.	SushantDattatray	Dr. R. K. Goyal/ Dr.	Study on Bio-Materials	In
	Sale	Sreekumar Vadakke		Progress
		Madam		
24.	Vaibhav Sanjay	Prof. Rajendra Kumar	Development of Light Weight and	In
	Darekar	Goyal	Dimensionally Stable EMI/ Microwave	Progress
			Radar Absorbing Nanohybrids	
25.	Akash Sharma	Dr. JyotirmayaKar	Study on Joing of Dissimilar Metals	In
				Progress
26.	Apoorva	Dr. Swati Sharma	Study on High Entropy Alloys	In
	Vashishtha			Progress
27.	Atirek Gaur	Prof. UpenderPandel/	Coatings of Copper Based High Entropy	In
		Dr. Swati Sharma	Alloy on Steel Substrate	Progress
28.	Banti Chauhan	Dr. Brij Mohan	Smart Tribological Coatings	In
		Mundotiya and Dr.		Progress
		Vijay		
		NavaratnaNadakuduru		
29.	Patel Nikunj	Dr. Ajaya Kumar	Synthesis and Charcterization of High	In
	Kumar	Pradhan	Performance Aluminium	Progress
	Jitendrabhai		Alloy / Composites for Transportation	
			Industries	
30.	Rahul Kumar Saini	Dr. Vijay	Study on High Entropy Alloy	In
		Navaratna Nadakuduru		Progress
		and Prof.		
		Upender Pandel		



S.	Name of Student	Supervisor	Title of Thesis	Status
No.				
1.	Sahitya Kumar	Dr. Swati Sharma	Development of High Chromium Creep	Awarded
			Resistant Steels and its Structure-Property	
			Correlations	
2.	Vineet Kumar	Dr. Krishna Kumar	Manufacturing and Mechanical Properties	Awarded
	Chaubey		Analysis of Three Phase Composite	
3.	Shivam Karoliya	Prof. R. K. Goyal and	Study of Cs2AgBiBr6 Double Perovskite	Awarded
		Dr. Kunal Borse	Photoactive Material	
4.	Tathwika Jugunta	Dr. Kunal Borse	Study of Effect of Addition of Graphene	Awarded
			Oxide and Glass Wool in Polyacrylonitrile	
			Polymer	
5.	Miss Riya Jajodia	Dr. Ajaya Kumar	Effect of Addition of Copper on	Awarded
		Pradhan	Microstructure and Mechanical Properties	
			of A356 alloy	
6.	Manish Kumar	Dr. Vijay	Synthesis and Characterization of Al-1200	Awarded
		NavaratnaNadakuduru	Alloy Produced via Powder Metallurgy	
			Route	
7.	DevenderSanadya	Dr. Vijay Navaratna	Development of Tungsten Carbide based	Awarded
		Nadakuduru	Cutting Tools	

List of Candidates Pursuing M. Tech. Degree

S.	Name of Student	Supervisor	Title of Thesis	Status
No.				
1.	Neeraj	Dr. Manjesh Kumar	Microstructure and Mechanical	Ongoing
		Mishra	Behaviour of 4330 Steel	
2.	Biswajeet Behera	Dr. Rajesh Kumar Rai	Cyclic Deformation Behavior of	Ongoing
			IN713 LC	
3.	Anuj Dubey	Dr. Jyotirmaya Kar	Electron Beam Welding and	Ongoing
			Characterization of Inconel 718 to	
			AISI 316L Stainless Steel Dissimilar	
			Joints	



4.	Shrawan Kumar	Dr. Vijay	Study of Ageing Behavior of Al-4.5%	Ongoing
	Bairwa	Navaratna Nadakuduru	Cu Alloy Synthesized via Powder	
			Metallurgy Route	
5.	LokeshYadav	Dr. Brij Mohan	Dynamic Recrystallization of Ni Based	Ongoing
		Mundotiya and	Superalloys	
		Dr. Rajesh Kumar Rai		
6.	Yaduraj Singh	Dr. Krishna Kumar	Improvement in Suction Effectiveness	Ongoing
			CONARC Furnace Fume Extraction	
			System	
7.	Dattatreya Thunuguntla	Dr. Kunal Borse	Use of BI-Layer and N-type Metal	Ongoing
			Oxides Coating via Dip-Coating Route	
			for Improvement in Corrosion	
			Resistance of Mild Steel	
8.	Yash Trivedi	Prof. Rajendra Kumar	Fabrication of PES/Rice Husk Ash	Ongoing
		Goyal and Dr. Vikas	Composites and Study their Thermal	
		Sangal	Properties	
9.	Kartik Sharma	Dr. Sreekumar	Characterization and Development of	Ongoing
		Vadakke Madam	Al-TiB2 Composite	
10.	Vishal Bhaskar	Dr. Swati Sharma	Experimental Analysis and	Ongoing
			Characterization of Vaccum Brazed	
			Metallic Joints using Ag Based Filler	
			Alloy	
11.	Tanuja Payal Sahu	Dr. Ajaya Kumar	Mass and Energy Balance of	Ongoing
		Pradhan	CONARC Furnace	



CENTRE FOR ENERGY & ENVIRONMENT

List of Candidates Awarded/Pursuing Ph. D. Degree

S.	Name of student	Supervisor	Торіс	Status
No.				
1.	Dr. Anjali Jain	Dr. Rohit Bhakar	Modelling Operational	Awarded
		Prof. Jyotirmay Mathur	Aspects in Long-term Power	
			Generation Planning with	
			High RE Penetration	
2.	Dr. Yamujala Sumanth	Prof. Jyotirmay Mathur	Operational Flexibility	Awarded
		Dr. Rohit Bhakar	Enhancement in Low-Carbon	
			Power Systems	
3.	Dr. Manoj Kumar	Dr. Amartya Chowdhury	Improving stack effect in	Awarded
	Sharma	Dr. Sanjay Mathur	semi-transparent Photovoltaic	
			integrated Double Skin	
			Façade for performance	
			enhancement.	
4.	Dr. Sajan Preet	Dr. Sanjay Mathur	Photovoltaic Double skin	Awarded
		Dr. Amartya Chowdhury	façade with forced ventilation	

S.	Name of Student	Supervisor	Title of Thesis	Status
No.				
1.	Abhishek Jain	Dr. Rohit Bhakar	Dynamic Price Design for	Awarded
		Dr. Parul Mathuria	EV Customers	
2.	Ashish Gupta	Dr. Sunanda Sinha	Impact of Installation	Awarded
			Parameters on the	
			Performance of Bifacial PV	
3.	Bala Ganesh K	Dr. Parul Mathuria	Shared Balancing	Awarded
			Responsibility Model for	
			TSO-DSO Coordination	
4.	D Y Reeve	Dr. Kapil Pareek	Design, Development and	Awarded
			Performance Analysis of	
			Scalable Battery Pack for	
			Stationary Applications	



5.	Kuldip Nagina	Dr. Amartya Chowdhury	Effect of Non-uniform	Awarded
			Irradiance on Mirror	
			Integrated Solar Photovoltaic	
			Module	
6.	Manish Gothwal	Dr. Vivekanand	Improving the Efficiency of	Awarded
			MMicrobial fuel cells using	
			sludge derived biochar	
			blended with copper metal	
7.	Manish Kumar Saini	Dr. Vivekanand	Enhancing the Production of	Awarded
			Biogas by Co-digestion	
			Using sewage sludge and	
			Pearl Milet straw	
8.	Naresh Kumar Kumawat	Dr. Amartya Chowdhury	Study of annual power	Awarded
			production using façade	
			integrated BIPV system	
			under partial shading	
9.	Nikhil Kumar	Dr. Sunanda Sinha	Assessment of Bifacial PV	Awarded
			Module with reflector	
10.	Pawan Kumar Gurjar	Dr. Parul Mathuria	Tool for EV charging station	Awarded
			management	
11.	Rakesh Kumar Meena	Dr. Jyotirmay Mathur	Performance analysis of	Awarded
			radiant heating system using	
			solar water heater	
12.	Rigal Manubhai Patel	Dr. Kapil Pareek	Design, Modelling and	Awarded
			Structural Analysis of	
			Linerless fiber reinforced	
			composite storage tank for	
			cryogenic liquid	
13.	Ritisha Singh	Dr. Parul Mathuria	Peer-to-peer energy trading	Awarded
			considering network usage	
			charges	
14.	ShivamYadav	Dr. Sunanda Sinha	Assessing the impact of	Awarded
			environmental parameters	
			influencing dust deposition	
			on PV module	
15.	Shubham Asatkar	Dr. Aneesh Prabhakar	Experimetal investigation	Awarded
			and modeling of the thermal	
			behavior of floating PV	
			Module	



16.	Somnath	Dr. Vivekanand	Tool for Energy andEnergy	Awarded
			Analysis of Powerplant	
17.	Vikas Kumar	Dr. Aneesh Prabhakar	Prediction of overheating and	Awarded
			thermal runaway in Li-ion	
			battery using machine learing	
			approach	
18.	Arpit Mantri	Dr. Rohit Bhakar	Estimating Demand Side	Awarded
		Dr. Parul Mathuria	Flexibility considering price	
			uncertainty	
19.	Shailesh Kumar	Dr. Kapil Pareek	Simulation and analysis of	Awarded
			type IV composite tank with	
			hydrogen refueling station	
			configuration	

MATERIALS RESEARCH CENTRE

List of Candidates Pursuing /Awarded Ph.D.

S.	Name of student	Supervisor	Topic	Status
No.				
1.	Divija Pandel	Dr. Amit Kumar Singh	Design of Mg2 (Si-Sn) based	Awarded
		and Prof. M. K. Banerjee	thermoelectric generator by	
			modeling and simulation.	
2.	Smita Howldar	Dr. Kanupriya Sachdev	Thermoelectric Properties of	Awarded
			Mg2 SiSn materials	
3.	Surbhi Singh	Dr. Bhagwati Sharma	Synthesis and	Pursuing
		and Dr. Nisha Verma	Multifunctional Applications	
			of Hybrid Nanostructured	
			Materials	
4.	Atul Kumar Sharma	Dr. Kanupriya Sachdev	Inorganic/Organic thin films	Pursuing
			for devices application	
5.	Mohd. Saquib Khan	Dr. Kanupriya Sachdev	Band gap engineering in	Pursuing
			graphene for energy	
			applications	
6.	Preeti	Dr. Kanupriya Sachdev	Room temperature composite	Pursuing
			gas sensor with high	
			sensitivity	
7.	Rahul	Dr. Nisha Verma and Dr.	Half Huesler Alloys for	Pursuing
		Bhagwati Sharma	Thermoeelctric Application	



8.	Jayendra	Dr. Nisha Verma	DFT of 2D matrials for	Pursuing
			thermoelectric applications	
9.	Upasana Bhardwaj	Dr. Himmat Singh	Energy storage materials and	Pursuing
		Kushwaha	Devices	
10.	Aditi Sharma	Dr. Himmat Singh	Piezoelectric materials	Pursuing
		Kushwaha		
11.	Manisha Gautam	Dr. Himmat Singh	Electrochemical energy	Pursuing
		Kushwaha	storage devices	
12.	Manish Sharma	Prof. Ragini Gupta	Nanomaterials for sensing of	Pursuing
			radionuclides	
13.	Md. Zainul Abedden	Prof. Ragini Gupta	Electrochemical sensing	Pursuing
14.	Hitesh Kumar Sharma	Prof. Vijay Janyani	Design and fabrication of	Pursuing
			MEMS sensors	

List of Candidates Awarded M. Tech. Degree

S.No.	Name of Student	Supervisor	Title of Thesis	Status
1.	Anju	Dr. Bhagwati Sharma	Synthesis and Multienzyme	Awarded
			Mimicking Activity of	
			CuxO-ZnO Microstructures	
2.	Shivam Saraswat	Dr. Kanupriya Sachdev	Synthesis	Awarded
			andcharacterization	
			of 2D materials	
3.	Milankumar Dahyabhai	Dr. Kamakshi Pandey	Optimization of optical	Awarded
	Mayavanshi		properties of rare-earth-	
			doped ZnO nanoparticles	
4.	Kushagra Sharma	Prof. Ragini Gupta	Electrochemical Sensing of	Awarded
			Pesticides	
5.	SurajitSamanta	Dr. Nisha Verma	DFT calculation to predict	Awarded
			thermoelectric properties of	
			TaCoSn half-Heusler alloy	
6.	Gurudev Kumar	Dr. Kamlendra Awasthi	Design and development of	Awarded
			temperature-controlled gas	
			sensing chamber	
7.	Rekha Bisht	Dr. Himmat Singh and	Toughness	Awarded
		Mr. Nitin Amte	anisotropy study of	
			drop weight tear tests	
			in api X70 texture	
			analysis.	



NATIONAL CENTRE FOR DISASTER MITIGATION & MANAGEMENT

List of Candidates Pursuing /Awarded Ph.D.

S.	Name of student	Supervisor(s)	Topic	Status
No.				
1.	Vijay Sharma	Prof. M.K. Shrimali	Seismic Performance of Semi-Rigid	Awarded
		Prof. S.D. Bharti	Steel Erames.	
2.	Ramniwas Sharma	Prof. S.D. Bharti	Investigation of Interlocking System in	In
		Prof. M.K. Shrimali	Dry Ashlar Stone Masonry	progress
3.	Sunita Tolani	Prof. S.D. Bharti	Performance Evaluation of Seismically	In
		Prof. M.K. Shrimali	Designed Building for Blast Loading	progress
4.	Sourabh Vern	Prof. S.D. Bharti	Seismic Analysis and Control of Liquid	In
		Prof. M.K. Shrimali	Storage Tanks using Hybrid Control	progress
5.	Vishal Kamble	Prof. S.D. Bharti	Seismic response of Secondary System	In
				progress
6.	Aditi Vibhute	Prof. S.D. Bharti	Comparative performance of	In
		Prof. M.K. Shrimali	Elastomeric and Sliding Friction	progress
			Isolation system	

List of Candidates Awarded M. Tech. Degree

S.	Name of student	Supervisor	Topic of Thesis	Status
No.				
1.	Ankit Gupta	Prof. S.D Bharti	Comparison Between Seismic Response	Awarded
		Prof. M.K. Shrimali	of an Integrated Bridge with Isolated	
			Integrated Bridge	
2.	Sanju Choudhary	Prof. M.K. Shrimali	Comparison between Seismic Response	Awarded
		Prof. S.D Bharti	of an integrated bridge with	
			Conventional Isolated Bridge	
3.	Shweta Mehar	Prof. S.D Bharti	Comparison Between Seismic Response	Awarded
		Prof. M.K. Shrimali	of Integrated Bridge with Conventional	
			Bridge	
4.	Shiyam Sundar K P	Prof. M.K. Shrimali	Seismic Analysis of concrete gravity	Awarded
		Prof. S.D Bharti	dam with Dam-water interaction	



5.	Rahul Chaudhary	Prof. M.K. Shrimali	Parametric study of seismic behaviour	Awarded
		Prof. S.D Bharti	of concrete gravity dam by using FEM	
	Ajay Patlani	Prof. S.D Bharti	Effect of bidirectional earthquake	Awarded
6.		and Prof. M.K.	excitation in 2D concrete gravity dam	
		Shrimali		
	Shishram Bhajiya	Prof. M.K. Shrimali	Effect of vertical excitation on concrete	Awarded
7.		and Prof. S.D Bharti	gravity dam	
	Namrata Singh	Prof. S.D Bharti	Progressive Collapse analysis of Flat	Awarded
	Namata Shigh	Prof. M.K. Shrimali	slab buildings	Awarucu
<u> </u>				
8.	Naresh Kumawat	Dr. P. V. Ramana	Prognostication of seismic persuade	Awarded
		and Prof. S.D Bharti	structural damage employing artificial	
			neural network	
190.	Engammagari	Dr. P. V. Ramana and	Guesstimation of seismic fragility in	Awarded
	Ganesh	Prof. S.D Bharti	structural systems	
	Aparna Singh	Prof. S.D Bharti	Seismic Analysis of Flat-Slab Buildings	Awarded
11.		and Prof. T.K. Datta	on sloping ground	
	Gaurav Rawat	Prof. S.D Bharti	Seismic Behaviour of Different Flat-	Awarded
12.		and Prof. T.K. Datta	Slab systems of building	

DEPARTMENT OF MANAGEMENT STUDIES

List of Candidates Pursuing /Awarded Ph.D.

S.	Name of student	Supervisor	Topic	Status
No.				
	Debidutta Pattnaik	Dr. Satish Kumar	Trade Credit Determinants and Its	Awarded
1.			Impact on Firm Performance – A Study	
			on Indian Firms.	
2.	Nitesh Pandey	Dr. Satish Kumar	Board Diversity and Firm Performance:	Awarded
			A Study in Contextual Variables	
3.	Jaspreet Kaur	Dr. Satish Kumar	Supply Chain Financing Practices in	Pursuing
			Indian SMEs	
4.	Kirti Goyal	Dr. Satish Kumar	Personal Financial Management among	Pursuing
			Youth in India	



budgeting Practices Among SMEs in India 6. Deepika Sharma Dr. Satish Kumar Research Productivity Among Indian Scholars 7. Bhanupriya Choyal Dr. Satish Kumar Agriculture Derivative Market in India Pursus Shradha Gupta Dr. Monica Sharma An Empirical Investigation of Lean Award Management in Indian Services
6. Deepika Sharma Dr. Satish Kumar Research Productivity Among Indian Scholars 7. Bhanupriya Choyal Dr. Satish Kumar Agriculture Derivative Market in India Pursus 8. Shradha Gupta Dr. Monica Sharma An Empirical Investigation of Lean Award
Scholars 7. Bhanupriya Choyal Dr. Satish Kumar Agriculture Derivative Market in India Pursu 8. Shradha Gupta Dr. Monica Sharma An Empirical Investigation of Lean Award
8. Shradha Gupta Dr. Monica Sharma An Empirical Investigation of Lean Award
Management in Indian Comings
Management in Indian Services
9. HansiniPremi Dr. Monica Sharma "An Empirical Investigation of Green Award
Buying Behaviour and Development of
Marketing Strategies for Green Products
10. Umesh Chaturvedi Dr. Monica Sharma Sustainability Trends and Practices In Award
Indian Pharmaceutical Industry
11. Anil Agarwal Dr. Monica Sharma "Mobile Number Portability: An Award
Empirical Investigation of Switching
Intentions In Rajasthan"
12. Sundeep Kumar Dr. Monica Sharma Socio-Economic Impact of Skill Award
Development Training in Large Scale
Public Welfare Schemes for Enhancing
Employability: An Empirical
investigation
13. Dipayan Das Dr. Monica Sharma Design of Ergonomic Intervention for Award
Performance Enhancement in High
Precision Work SMEs: A Participatory
Approach
14. Deevesh Sharma Dr. Monica Sharma Development of an Ergonomic Award
Evaluation Methodology for Building
Spaces
15. Akshay Patidar Dr. Monica Sharma Development of a resilient and Pursus
sustainable supply chain network
16. Anbesh Jamwal Dr. Monica Sharma Sustainable Manufacturing Pursus
17. Pragati Sinha Dr. Monica Sharma Emerging technology in strengthening Pursus
supply chain for promoting sustainable
business models in India
18. Neha Anchliya Dr. Monica Sharma Women Entrepreneurship Pursu
19. Payal Phulwani Dr. Divesh Kumar Consumer Disposal Behavior Towards Award
Personal Communication Devices in
India



Ramji	Dr. Divesh Kumar	Performance Evaluation of Sustainable	Awarded
		Service Supply Chain of Hospitals	
Sneha Pandey	Dr. Divesh Kumar	Customer-to-customer Value Co-	Awarded
		creation through Customer Engagement	
		in Tourism Industry	
Prashanth M	Dr. Divesh Kumar	Value co-creation	Pursuing
Saloni Gupta	Dr. Divesh Kumar	Value co-creation	Pursuing
Purva Agarwal	Dr. Divesh Kumar	Sustainable consumption	Pursuing
AmanMathan	Dr. Divesh Kumar	Influence of Product Recommendation	Pursuing
		Systems on Customer Engagement and	
		Customer Perceived Value in E-Retail	
Akanksha Joshi	Dr. Aakanksha	Organizational Mindfulness and Green	Pursuing
	Kataria	Human Resource Management: A path	
		towards Organizational Sustainablity	
Dighreandr Singh	Dr. Aakanksha	Data-Driven HRM and Organizational	Pursuing
	Kataria	Performance	
Jyoti Motwani	Dr. Aakanksha	Assessing the Impact of Organizational	Pursuing
	Kataria	Mindfulness on Agility of Service	
		Organizations	
Muskan Saini	Dr. Priyanka Sihag	Green HRM (Area)	Pursuing
Dalchi Cinah	De Deixanta Cibaa	Imment of High Daufaumanaa Warls	Diseasies
Rakm Singn	Dr. Priyanka Sinag	_	Pursuing
AgathaDhaonar	De Deixanta Sibar		Durania
AasmaDhoopar	Dr. Priyanka Sinag		Pursuing
Varcha Sharma	Dr. Reeta Singh		Awarded
Varsiia Siiaiilia	Di. Recta Siligii		Awarueu
Vumari Dashmi	Dr. Daata Singh	_	Awarded
Kuman Kasiiiii	Di. Recta Singii		Awarucu
Rifa Nadeem	Dr. Reeta Singh		Pursuing
			Pursuing
Widdz / Millad Khall	Di. Kitika ivianajan		1 mouning
		2 15110 doine oo 1 millo in mala	
	Prashanth M Saloni Gupta Purva Agarwal AmanMathan Akanksha Joshi Dighreandr Singh Jyoti Motwani	Prashanth M Saloni Gupta Dr. Divesh Kumar Purva Agarwal AmanMathan Dr. Divesh Kumar Dr. Divesh Kumar Dr. Divesh Kumar Dr. Divesh Kumar Dr. Divesh Kumar Dr. Divesh Kumar Dr. Aakanksha Kataria Dr. Aakanksha Kataria Jyoti Motwani Dr. Aakanksha Kataria Dr. Priyanka Sihag Rakhi Singh Dr. Priyanka Sihag Dr. Priyanka Sihag	Dr. Divesh Kumar



36.	ShubhangiRajawat	Dr. Ritika Mahajan	An Exploration of sustainability in the	Pursuing
		Dr. Satish Kumar	banking industry in India	
37.	Monica Sareen	Dr. Ritika Mahajan	CSR Communication on social media:	Pursuing
			How it impacts consumer engagement,	
			e reputation and e-WOM	
38.	Monika Agrawal	Dr. Ritika Mahajan	Antecedents and outcomes of work-	Awarded
			family experiences: A case study of	
			Rajasthan police personnel	
39.	Manpreet Kaur	Dr. Shweta Sharma	Capital Structure	Pursuing
	Khurana			
40.	Unnati Tripathi	Dr. Shweta Sharma	Sustainable Finance	Pursuing
41.	Rohan Mathur	Dr. Shweta Sharma	Fintech Adoption	Pursuing
42.	Arun Dsouza	Dr. Shridev Devji	Corporate Governance	Pursuing
43.	Kashish Sharma	Dr. Shridev Devji	Corporate Governance	Pursuing

List of Candidates Awarded MBA Degree

S.	Name of Student	Supervisor	Title of Thesis	Status
No.				
1.	Kuldeep Singh Garha	Dr. Monica	Improvement of efficiency of	Awarded
		Sharma	annealing pickling line in steel plant	
2.	Jeetesh Sharma	Dr. Monica	Ergonomic Intervention for respiratory	Awarded
		Sharma	disorders in workers due to heavy	
			inhalation and exposure to dolomite	
			dust	
3.	Sudhir Kumar	Dr. Monica	Non-intrusive fatigue detection system	Awarded
		Sharma	for vehicular safety	



DEPARTMENT OF MATHEMATICS

List of Candidates Awarded/Pursuing Ph. D. Degree

No. Dr. Santosh Chaudhary Blood Flow with Magnetic Effect Chaudhary Pursuing 2. Kiran Kunwar Chouhan Chaudhary Dr. Santosh Chaudhary Numerical Treatment of Nanofluid Flow with Viscous Dissipation and Ohmic Heating Pursuing 3. Sushant Yadav Dr. Santosh Chaudhary Tentative: Nanofluid Flow Pursuing 4. Bhaskar Goyal Dr. Santosh Chaudhary Tentative: Nanofluid Flow Pursuing 5. Sapna Meena Dr. Sanjay Bhatter Dr. S.D Purohit A study on Generalized incomplete Hunctions and their associated applications Pursuing 6. Shyam Sunder Dr. Sanjay Bhatter Dr. S.D Purohit A Mathematical Study of Biological Phenomenon using Special Functions and Fractional Calculus Operator Pursuing 7. Nishant Dr. Sanjay Bhatter Dr. S.D Purohit A Study on Generalized Incomplete Incursions and Their Associated Applications Pursuing 8. Kritika Dr Ritu Agarwal Dr. S.D. Purohit A study of fractional calculus with applications to the biological systems A study of extended special functions, associated integral transform, bounding inequalities, distributions and applications Pursuing 10. Urvashi Purohit Sharma Dr Ritu Agarwal Sharma A study of bicomplex functions, i	S.	Name of student	Supervisor	Topic	Status
Chaudhary Chaudhary Pursuing Pursuing Pursuing	No.				
2. Kiran Kunwar Chouhan Dr. Santosh Chaudhary Chaudhary Flow with Viscous Dissipation and Ohmic Heating Pursuing Flow with Viscous Dissipation and Ohmic Heating Pursuing Flow with Viscous Dissipation and Ohmic Heating Pursuing Chaudhary 4. Bhaskar Goyal Dr. Santosh Chaudhary Dr. Santosh Chaudhary Dr. Sanjay Bhatter Dr. S.D Purohit Pursuing Functions and their associated applications A Mathematical Study of Biological Phenomenon using Special Functions and Fractional Calculus Operator A Study on Generalized Incomplete I-Pursuing Phenomenon using Special Functions and Fractional Calculus Operator A Study on Generalized Incomplete I-Pursuing Phenomenon using Special Functions and Fractional Calculus Operator A Study of Generalized Incomplete I-Pursuing Phenomenon using Special Functions and Fractional Calculus Operator A Study of Generalized Incomplete I-Pursuing Phenomenon using Special Functions and Their Associated Applications A Study of Generalized Incomplete I-Pursuing Pursuing A Study of Calculus Operator A Study of Calculu	1.	Ajay Singh	Dr. Santosh	Blood Flow with Magnetic Effect	Pursuing
Chaudhary			Chaudhary		
Ohmic Heating	2.	Kiran Kunwar Chouhan	Dr. Santosh	Numerical Treatment of Nanofluid	Pursuing
Sushant Yaday			Chaudhary	Flow with Viscous Dissipation and	
Chaudhary				Ohmic Heating	
4. Bhaskar Goyal Dr. Santosh Chaudhary Tentative: Nanofluid Flow Pursuing 5. Sapna Meena Dr. Sanjay Bhatter Dr. S.D Purohit A study on Generalized incomplete H-functions and their associated applications Pursuing 6. Shyam Sunder Dr. Sanjay Bhatter Dr. Kamlesh Jangid A Mathematical Study of Biological Phenomenon using Special Functions and Fractional Calculus Operator Pursuing 7. Nishant Dr. Sanjay Bhatter Dr. S.D Purohit A Study on Generalized Incomplete I-Functions and Their Associated Applications Pursuing 8. Kritika Dr Ritu Agarwal Dr. S.D. Purohit A study of fractional calculus with applications to the biological systems A study of extended special functions, associated integral transform, bounding inequalities, distributions and applications Pursuing 10. Urvashi Purohit Sharma Dr. Ritu Agarwal Dr. Rakesh Parmar A study of bicomplex functions, integral transforms and applications Pursuing 11. Tarun Kumar Chauhan Dr. Varun Jindal Strong Whiney Convergence on Bornology Pursuing 12. Akshay Kumar Dr. Varun Jindal Multifunction Spaces Pursuing 13. YogeshAgarwal Dr. Om P. Suthar Analytical study of nonlinear convection with time-periodic external Pursuing	3.	Sushant Yadav	Dr. Santosh	Tentative: Nanofluid Flow	Pursuing
Chaudhary Dr. Sanjay Bhatter Dr. S.D Purohit functions and their associated applications Pursuing			Chaudhary		
5. Sapna Meena Dr. Sanjay Bhatter Dr. S.D Purohit A study on Generalized incomplete Hunctions and their associated applications Pursuing 6. Shyam Sunder Dr. Sanjay Bhatter Dr. Kamlesh Jangid A Mathematical Study of Biological Phenomenon using Special Functions and Fractional Calculus Operator Pursuing 7. Nishant Dr. Sanjay Bhatter Dr. S.D Purohit A Study on Generalized Incomplete Infunctions and Their Associated Applications Pursuing 8. Kritika Dr Ritu Agarwal Dr. S.D. Purohit A study of fractional calculus with applications to the biological systems A warded applications to the biological systems 9. Naveen Kumar Dr Ritu Agarwal Dr. Rakesh Parmar A study of extended special functions, associated integral transform, bounding inequalities, distributions and applications Pursuing 10. Urvashi Purohit Sharma Dr Ritu Agarwal Dr. Varun Jindal A study of bicomplex functions, integral transforms and applications Pursuing 11. Tarun Kumar Chauhan Dr. Varun Jindal Strong Whiney Convergence on Bornology Pursuing 12. Akshay Kumar Dr. Varun Jindal Multifunction Spaces Pursuing 14. Kapil Dev Dr. Om P. Suthar Analytical study of nonlinear convection with time-periodic external	4.	Bhaskar Goyal	Dr. Santosh	Tentative: Nanofluid Flow	Pursuing
Dr. S.D Purohit functions and their associated applications			Chaudhary		
A Mathematical Study of Biological Pursuing Phenomenon using Special Functions and Fractional Calculus Operator Pursuing Phenomenon using Special Functions and Fractional Calculus Operator Pursuing Phenomenon using Special Functions and Fractional Calculus Operator A Study on Generalized Incomplete I-Functions and Their Associated Applications Pursuing Pursuing Pursuing Pursuing Pursuing Pursuing Pursuing Pursuing Pursuing Pursuing Pursuing Pursuing	5.	Sapna Meena	Dr. Sanjay Bhatter	A study on Generalized incomplete H-	Pursuing
6. Shyam Sunder Dr. Sanjay Bhatter Dr. Kamlesh Jangid Phenomenon using Special Functions and Fractional Calculus Operator 7. Nishant Dr. Sanjay Bhatter Dr. S.D Purohit Pursuing Pursuing Phenomenon using Special Functions and Fractional Calculus Operator A Study on Generalized Incomplete I-Functions and Their Associated Applications A study of fractional calculus with applications to the biological systems Pursuing Pursuing Pursuing Pursuing A study of fractional calculus with applications to the biological systems A study of extended special functions, associated integral transform, bounding inequalities, distributions and applications Dr. Rakesh Parmar Dr. Ratu Agarwal Dr. Ratu Agarwal Sharma Dr. Varun Jindal Dr. Varun Jindal Strong Whiney Convergence on Bornology Pursuing Pursuing Pursuing Pursuing Pursuing Pursuing A Adhthematical Study of Biological Pursuing Pursuing Pursuing Pursuing A A Study of fractional calculus with applications to the biological systems A study of extended special functions, associated integral transform, bounding inequalities, distributions and applications Strong Whiney Convergence on Bornology Pursuing Pursuing A study of bicomplex functions, and applications A study of bicomplex functions, and applications Pursuing Pursuing A study of bicomplex functions, and applications A study of bicomplex functions, and applications Pursuing A study of bicomplex functions, and applications A study of bicomplex function			Dr. S.D Purohit	functions and their associated	
Dr. Kamlesh Jangid Phenomenon using Special Functions and Fractional Calculus Operator 7. Nishant Dr. Sanjay Bhatter Dr. S.D Purohit Functions and Their Associated Applications 8. Kritika Dr Ritu Agarwal Dr. S.D. Purohit Applications 9. Naveen Kumar Dr Ritu Agarwal Dr. Rakesh Parmar Sharma Dr. Rakesh Parmar Sharma 10. Urvashi Purohit Sharma Dr. Varun Jindal Strong Whiney Convergence on Bornology 12. Akshay Kumar Dr. Varun Jindal Multifunction Spaces Pursuing 13. YogeshAgarwal Dr. Om P. Suthar Asudy of nonlinear convection with time-periodic external				applications	
7. Nishant Dr. Sanjay Bhatter Dr. S.D Purohit Pursuing Dr. Ritu Agarwal Dr. Rakesh Parmar Sharma 10. Urvashi Purohit Sharma 11. Tarun Kumar Chauhan Dr. Varun Jindal YogeshAgarwal YogeshAgarwal Dr. Varun Jindal Varun Jindal Kapil Dev Dr. Subarval Dr. Varun Jindal Kapil Dr. Varun Jindal Kapil Dr. Varun Jindal Kapil Calculus Operator A Study on Generalized Incomplete I-Functions and Their Associated Incomplete I-Functions and Their Associated Applications A Study of fractional calculus with applications to the biological systems A study of extended special functions, associated integral transform, bounding inequalities, distributions and applications A study of bicomplex functions, integral transforms and applications Strong Whiney Convergence on Bornology Pursuing Multifunction Spaces Pursuing Pursuing A Study of ononlinear convection with time-periodic external	6.	Shyam Sunder	Dr. Sanjay Bhatter	A Mathematical Study of Biological	Pursuing
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8. Kritika Dr Ritu Agarwal Dr. S.D. Purohit Agarwal Dr. S.D. Purohit Agarwal Dr. S.D. Purohit Agarwal Dr. S.D. Purohit Agarwal Dr. Rakesh Parmar Dr. Varun Jindal Multifunction Spaces Dr. Varun Jindal Dr. Varun Jindal Multifunction Spaces Dr. Om P. Suthar Convection with time-periodic external Dr. Varun Jindal Multifunction Spaces Dr. Om P. Suthar Convection with time-periodic external			Dr. S.D Purohit	Functions and Their Associated	
Dr. S.D. Purohit applications to the biological systems 9. Naveen Kumar Dr. Ritu Agarwal Dr. Rakesh Parmar Dr. Ritu Agarwal Sharma Dr. Varun Jindal				Applications	
9. Naveen Kumar Dr Ritu Agarwal Dr. Rakesh Parmar Sociated integral transform, bounding inequalities, distributions and applications 10. Urvashi Purohit Sharma Dr. Varun Jindal Dr. Varun Jindal Strong Whiney Convergence on Bornology 12. Akshay Kumar Dr. Varun Jindal Functional Analysis Dr. Varun Jindal Multifunction Spaces Pursuing 14. Kapil Dev Dr. Om P. Suthar A study of extended special functions, associated integral transform, bounding inequalities, distributions and applications Pursuing Pursuing A study of bicomplex functions, integral transforms and applications Pursuing Pursuing A study of extended special functions, associated integral transform, bounding inequalities, distributions and applications Pursuing Pursuing Pursuing Pursuing	8.	Kritika	Dr Ritu Agarwal	A study of fractional calculus with	Awarded
Dr. Rakesh Parmar associated integral transform, bounding inequalities, distributions and applications 10. Urvashi Purohit Sharma Dr. Varun Jindal Strong Whiney Convergence on Bornology 11. Tarun Kumar Chauhan Dr. Varun Jindal Functional Analysis Pursuing 12. Akshay Kumar Dr. Varun Jindal Multifunction Spaces Pursuing 13. YogeshAgarwal Dr. Varun Jindal Analysis Pursuing 14. Kapil Dev Dr. Om P. Suthar Analytical study of nonlinear convection with time-periodic external			Dr. S.D. Purohit	applications to the biological systems	
bounding inequalities, distributions and applications 10. Urvashi Purohit Sharma Dr Ritu Agarwal A study of bicomplex functions, integral transforms and applications 11. Tarun Kumar Chauhan Dr. Varun Jindal Strong Whiney Convergence on Bornology 12. Akshay Kumar Dr. Varun Jindal Functional Analysis Pursuing 13. YogeshAgarwal Dr. Varun Jindal Multifunction Spaces Pursuing 14. Kapil Dev Dr. Om P. Suthar Analytical study of nonlinear convection with time-periodic external	9.	Naveen Kumar	Dr Ritu Agarwal	A study of extended special functions,	Pursuing
10.Urvashi Purohit SharmaDr Ritu Agarwal integral transforms and applicationsA study of bicomplex functions, integral transforms and applicationsPursuing11.Tarun Kumar ChauhanDr. Varun JindalStrong Whiney Convergence on BornologyPursuing12.Akshay KumarDr. Varun JindalFunctional AnalysisPursuing13.YogeshAgarwalDr. Varun JindalMultifunction SpacesPursuing14.Kapil DevDr. Om P. SutharAnalytical study of nonlinear convection with time-periodic externalPursuing			Dr. Rakesh Parmar	associated integral transform,	
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13. YogeshAgarwal Dr. Varun Jindal Multifunction Spaces Pursuing 14. Kapil Dev Dr. Om P. Suthar Analytical study of nonlinear convection with time-periodic external				Bornology	
14. Kapil Dev Dr. Om P. Suthar Analytical study of nonlinear convection with time-periodic external	12.	Akshay Kumar	Dr. Varun Jindal	Functional Analysis	Pursuing
convection with time-periodic external	13.	YogeshAgarwal	Dr. Varun Jindal	Multifunction Spaces	Pursuing
	14.	Kapil Dev	Dr. Om P. Suthar	Analytical study of nonlinear	Pursuing
forcing				convection with time-periodic external	
				forcing	



15.	Akanksha Bansal	Dr. Om P. Suthar	Nonlinear stability and bifurcation	Pursuing
			analysis of free convective systems	
16.	Tanya Rastogi	Dr. Om P. Suthar	Computational study of Partial	Pursuing
			Differential Equations	
17.	Sonali Sharma	Dr. K. Palpandi	Tensor complementarity problems	Pursuing
19.	Punit Kumar Yadav	Dr. K. Palpandi	Linear complementarity problems	Pursuing
20.	Keshav Saini	Dr. K. Palpandi	Spectral Graph Theory	Pursuing
21.	Daya Ram	Dr. Kushal Sharma	Study of heat transfer in MNF flow	Pursuing
			over an infinite disk	
22.	Neha Vijay	Dr. Kushal Sharma	Study of heat and mass transfer in	Pursuing
			MNF flow	
23.	Sanjay Kumar	Dr. Kushal Sharma	Modeling of fluid flow and heat	Thesis
			transfer between disk and cone	submitted
24.	Renu Jindal	Dr. Kushal Sharma	Mathematical Modelling of Fluid Flow	Pursuing
			Phenomenon	
25.	Rinki Sharma	Dr. Priyanka	Computational statistics	Pursuing
		Harjule		

DEPARTMENT OF PHYSICS

List of Candidates Pursuing /Awarded Ph.D.

S.	Name of student	Supervisor	Topic	Status
No.				
1.	Shubhra Mathur	Prof. Kanupriya	Study of Thermo-Chemical behavior	Awarded
		Sachdev	of some Metallic Glasses	
2.	Rishi Vyas	Prof. Kanupriya	Study of gas sensing behavior of	Awarded
		Sachdev	nanostructured ZnO thin films	
3.	Kanan Jassal	Prof. Kanupriya	Dosimetric aspects of a-Si based	Awarded
		Sachdev	EPID and its application in advanced	
			radio therapy	
4.	Vikas Sharma	Prof. Kanupriya	An Investigation of High-	Awarded
		Sachdev	Performance Metal-Metal Oxide	
			Multilayer Structure for	
			Optoelectronic Application	
5.	Dinesh Saini	Prof. Kanupriya	Investigations on Shape Memory	Submitted
		Sachdev	alloys	



6.	Satyavir Singh	Prof. Kanupriya	Investigations on Nb doped TiO2 thin	
		Sachdev	layer for Optoelectronic Applications	
7.	Sachin Surve	Prof. Kanupriya	Investigations on Zn3N2/ ZnO /SnO2	Pursuing
		Sachdev	Multilayer based Thin film Transistor	
8.	Neeru Sharma	Prof. Kanupriya	Graphene based Gas Sensors	Awarded
		Sachdev		
9.	Smita Howldar	Prof. Kanupriya	Thermoelectric Properties of	Awarded
		Sachdev	Mg2SiSn materials	
10.	Atul Kumar Sharma	Prof. Kanupriya	Inorganic/Organic thin films for	Pursuing
		Sachdev	devices application	
11.	Mohd. Saquib Khan	Prof. Kanupriya	Band gap engineering in graphene for	Pursuing
		Sachdev	energy applications	
12.	Suniksha Gupta	Prof. Kanupriya	Mg2SiSn Thin Films as	Pursuing
		Sachdev	Thermoelectric Materials	
13.	Deependra Jhankal	Prof. Kanupriya	Investigation of Graphene Based	Pursuing
		Sachdev	Nano-composites for Energy	
14.	Nikita Bhardwaj	Prof. Kanupriya	Graphene based composite materials	Pursuing
		Sachdev	for energy applications	
15.	Preeti	Prof. Kanupriya	Room temperature composite gas	Pursuing
		Sachdev	sensor with high sensitivity	
16.	Amena Salim	Dr. Rahul Singhal	Studies of carbon based energy	Pursuing
			storage materials	
17.	Jyotsna Bhardwaj	Dr. Rahul Singhal	Synthesis, characterizatios and	Pursuing
			irradiation of metal-fullerene	
			nanocomposite	
18.	Renu Dhayal	Dr. K	Some Studies of Single Mode	Awarded
		Venkataratnam	Thermal States in FRW Universe	
		Kamma		
19.	Meghna Rathore	Dr. K	Some Studies of Two-Mode Quantum	Awarded
		Venkataratnam	Optical States in the FRW Universe	
		Kamma		
20.	Ankita Jangid	Dr. K	Some studies on anisotropic	Pursuing
		Venkataratnam	cosmology	
		Kamma		
21.	Sudhava	Dr. K	Some studies of reheating models in	Pursuing
		Venkataratnam	cosmology	
		Kamma		

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22.	Dhawani Gangal	Dr. K	Some studies of squeezed number	Pursuing
		Venkataratnam	states in cosmology	
		Kamma		
23.	Radhe Shyam	Dr. Srinivasa Rao	Tuning the structural and optical	Submitted
		Nelamarri	properties of KNN thin films using	
			different approaches	
24.	Deepak Negi	Dr. Srinivasa Rao	Tuning the structural and optical	Pursuing
		Nelamarri	properties of MgTiO3 thin films	
25.	Komal Shekhawat	Dr. Srinivasa Rao	Synthesis and characterization of	Pursuing
		Nelamarri	nanocrystals for various applications	
26.	Sanjay Kumar	Dr. Kamlendra	Functionalized zinc oxide	Pursuing
		Awasthi	nanostructures for gas sensing	
		Dr. Y. K. Mishra	application	
		(External		
		Supervisor)		
27.	Priyanka Aggarwal	Dr. Kamlendra	Electrochemical hydrogen evolution	Pursuing
		Awasthi	reaction by using single-atom	
		Dr. Debasish Sarkar	catalysts	
28.	Nishel Saini	Dr. Kamlendra	Nanostructured membrane comprising	Pursuing
		Awasthi	self-assembly of conjugated polymers	
		Prof. Myung Han	for gas separation	
		Yoon (External		
		Supervisor)		
29.	Shiv Dutta Lawaniya	Dr. Kamlendra	Development of flexible and	Pursuing
		Awasthi	stretchable gas sensors	
		Prof. Yeontae Yu		
		(External		
		Supervisor)		
30.	Gaurav Pandey	Dr. Kamlendra	Ion beam implantation in ZnO	Pursuing
		Awasthi	nanostructures	
31.	Sanjay Kumar	Dr. Kamlendra	Functionalized zinc oxide	Pursuing
		Awasthi	nanostructures for gas sensing	
		Dr. Y. K. Mishra	application	
		(External		
		Supervisor)		
32.	Manish Kumar	Dr. Kavita Lalwani	Search for rare B to charm decays at	Submitted
			Belle and sensitivity study for Phi3 at	
			Belle II	
33.	Sanjeeda Bharati Das	Dr. Kavita Lalwani	CP Asymmetry in D meson Decays at	Pursuing
			Belle II	



34.	Chanchal Sharma	Dr. Kavita Lalwani	Charm Physics at Belle II	Pursuing
35.	Priyanka	Dr. Kavita Lalwani	Physics Beyond the Standard Model	Pursuing
36.	Ms. Nisha Yadav	Dr. Manoj Kumar	Electrical and Magnetotransport	Pursuing
			Studies on Magnetically Doped 3D	
			Topological Insulators	
37.	Mr. Nabarun Bera	Dr. Manoj Kumar	Electrical and Thermal Transport	Pursuing
			Phenomena in Magnetically Doped	
			Topological Insulators	
38.	Ms. Bhawna Rathi	Dr. Manoj Kumar	Development of hydride-based	Pursuing
			anode/electrolyte materials for high-	
			capacity Li/Na batteries (Tentative)	
39.	Ms. Km Sapna	Dr. Manoj Kumar	Extraction and Sensing of Bioactive	Pursuing
			Medicinal Constituents from	
			Ayurvedic Herbs (Tentative)	
40.	Mr. Sachin Sharma	Dr. Manoj Kumar	Development of Ultrasensitive	Pursuing
			Electrochemical Sensors (Tentative)	
41.	Mr. Pankaj Sharma	Dr. Manoj Kumar	Superconductivity in Condensed	Pursuing
			Matter (Tentative)	
42.	Ms. Deepika Kanwar	Dr. Manoj Kumar	Electrical Transport in Quantum	Pursuing
			Materials and Devices (Tentative)	
43.	Mr. Kishori Lal	Dr. Manoj Kumar	Study of Novel Quantum Materials	Pursuing
			(Tentative)	
44.	Ms. Pooja Pareek	Dr. Akhilesh	Particle physics aspects of cosmology	Pursuing
		Nautiyal		
45.	Ms. Jyoti Lakhera	Dr. Akhilesh	Models of inflation in the light of	Pursuing
		Nautiyal	cosmic microwave background and	
			large scale structure observations	
46.	Ms. Saisandri Saini	Dr. Akhilesh	Testing particle physics models from	Pursuing
		Nautiyal	cosmic microwave background and	
			large scale structure observations	
47.	Ananta	Dr. Anirban Dutta	Electronic Properties of Transition	Pursuing
			Metal Dichalcogenides	
48.	Prakwan Dutta	Dr. Anirban Dutta	Pressure and Defect Dependent	Pursuing
			Electronic Properties of MoS2	
49.	Mamata	Dr. Anirban Dutta	Study of different approach for	Pursuing
			fabrication of GO-Ag nanocomposites	
			for Antibacterial activities	
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50.	Monika Shrivastav	Dr. Rajnish Dhiman	Development of metal decorated 2D	Pursuing
			nanomaterials as electrocatalst	
			support for PEM Fuel cells	
51.	Deepika	Dr. Rajnish Dhiman	Development of electrode materiials	Pursuing
			for Zn-air batteries	
52.	Vivek Kumar	Dr. Rajnish Dhiman	Two-dimensional layered materials	Pursuing
			for Zn-air batteries	
53.	Monika Shrivastav	Dr. Rajnish Dhiman	Development of metal decorated 2D	Pursuing
			nanomaterials as electrocatalst	
			support for PEM Fuel cells	
54.	Ms. Yogita	Dr. Debasish Sarkar	Transition Metal Based Anode	Pursuing
			Materials for All Solid-State Batteries	
55.	Ms. Hem Kanwar	Dr. Debasish Sarkar	Carbon and Transition Metal Based	Pursuing
	Rathore		Materials for Supercapacitor	
			Applications	
56.	Mr. Himanshu Gupta	Dr. Debasish Sarkar	Development of Nanomaterials for	Pursuing
			Supercapacitor Application	
57.	Prashant Kumar Nagar	Dr Kamakshi	Simulation of Polymer Dynamics	Pursuing
		Pandey		
58.	Devandar Chauhan	Dr Kamakshi	Application of Mesoscopic	Pursuing
		Pandey	Simulation Technique in Soft	
			Material	
59.	Anuj Malik	Dr. Anees Ahmed	Resurgence in Matrix Models	Pursuing
60.	Abhinav Jangir	Dr. Anees Ahmed	Non-perturbative structure of QED	Pursuing
61.	Lalita Chaudhary	Dr. Anees Ahmed	Resurgent analysis of scalar QED	Pursuing

List of Candidates Awarded/Pursuing M. Tech. Degree

S.	Name of Student	Supervisor	Title of Thesis	Status
No.				
1.	Shiwani Tripathi	Prof. Kanupriya	Nano Materials for Energy Storage	Pursuing
		Sachdev		
2.	Gurudev Kumar	Dr. Kamlendra	Design and development of	Completed
		Awasthi	temperature-controlled gas sensing	(2021)
			chamber	
3.	Nisha Meena	Dr. Kamlendra	Effect of incorporation approach of	Completed
		Awasthi	MWCNTs into conducting polymer	(2022)
			matrix for NH3 sensing	



4.	Milankumar Dahyabhai	Dr Kamakshi	Optimization of optical properties of	Awarded
	Mayavanshi	Pandey	rare-earth-	
			doped ZnO nanoparticles	

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

List of Candidates Pursuing /Awarded Ph.D.

S.	Name of student	Supervisor	Topic	Status
No.				
1.	Anita Chalka	Prof. Nupur Tandon	Voicing the Voiceless: Agency and	Submitted
			Empowerment in the Select Works	
			of Maya Angelou	
2.	Mili Jain	Prof. Nupur Tandon	Subjectivity Power Gender:	Ongoing
			Analysis of Agency and Negotiation	
			in Select South Korean Fiction	
3.	Unnati Jain	Prof. Nupur Tandon	Power, Performance and Identity in	Ongoing
			Select English Fiction on Female	
			Cross-dressing	
4.	Aditi Sharma	Prof. Nupur Tandon	Transwomen: Negotiating	Ongoing
			Intersections and Diversities in	
			Selected Indian and Western Texts	
6.	Minali Banerjee	Prof. Manju Singh	Dynamics of Community University	Awarded
			Engagement: A Study of Institutes	
			of Higher Education (IHEs) in India	
7.	Purva Bhatt	Prof. Manju Singh	Democratization of Technological	Pursuing
			Knowledge: Connecting Campus	
			with Community	
8.	Surbhi Sethi	Prof. Manju Singh	Technology Enabled Blended	Pursuing
			Learning: The Changing Canvas of	
			Higher Education in Post COVID	
			India	
9.	Wafa Singh	Prof. Manju Singh	Towards the conceptualization and	Pursuing
			institutionalization of community	
			engagement in India: An	
			exploratory study at Indian Higher	
			Education Institutions	
10.	Srishti Saxena	Prof. Manju Singh	Indemnifying Farmer's Income	Pursuing
			against Production Risk:	
			Multivariate Analysis of	
			Humanitarian System	



11.	Mehak Sharma	Prof. Manju Singh	Delineating Digital Financial Inclusion through Digital Social Innovation	Pursuing
12.	Amit Kumar Sharma	Dr. Dipti Sharma	Competition Assessment of Short- Term Power Trading in India	Award ed
13.	Namrata Bhardwaj	Dr. Dipti Sharma	Post-reform Financial Performance of State Power Sector: A Study of Rajasthan Power Utilities	Submitted
14.	Varuni Sharma	Dr. Dipti Sharma	An Analysis of Consumer Behaviour towards Adoption of Green Transport in Urban India	Pursuing
15.	Sumedha Bhatnagar	Dr. Dipti Sharma	Green Investment in India: A Study of Enablers and Barriers of Green Finance	Pursuing
16.	Kungita Agarwal	Dr. Dipti Sharma		Coursework Completed
17.	Prince Dawar	Dr Preeti Bhatt	Power Conflicts in Two-Character Plays across Cultures	Pursuing
18.	Manasvini Rai	Dr Preeti Bhatt	Politics of 'Difference' and 'Otherness' in the Selected Fiction of Zadie Smith	Pursuing
19.	Chandna Singh Nirwan	Dr Preeti Bhatt	Archetypes in Dalit Literature: A Study of Bama's Select Works	Pursuing
20.	Rajneesh Kumar	Dr Preeti Bhatt	Re-visualizing Contemporary British Psychological Thrillers through Cinematic Adaptation	Pursuing
21.	Divya Jyot Kaur	Dr. Niraja Saraswat	TELL Today:Strengthening ECC in Engineering Institutes in Rajasthan	Pursuing
22.	Mohit Joshi	Dr. Niraja Saraswat	In Search of the Poet: New Critical and Reader Response Approaches to select ASL Poetry	Pursuing
23.	Ritik Garg	Dr. Niraja Saraswat	New Partition Narratives of People and Their Possessions: Retracing Memories, Revisiting Histories, and Reworking Identities	Pursuing
24.	Heena Choudhary	Dr Nidhi Bansal	Digital Literacy Training Programs: Role of Public Policies in Digital Empowerment of Rural Communities in India	Pursuing



25.	Ginisha Dewani	Prof. Vibhuti Singh Shekhawat	Urban Development in 21st century with special reference to Jaipur.	Ongoing
26.	Varshali Brahma	Prof. Vibhuti Singh Shekhawat	Exploring the Impact of Modern Education in Socio-Cultrial Practices: A Study of Bodo Tribe of Assam.	Ongoing
27.	HaulianlalGuite	Prof. Vibhuti Singh Shekhawat	An Analysis of Digital Media's impact on contemporary Doxa	Ongoing
28.	P. Ramji	Prof. Vibhuti Singh Shekhawat	Course Work Going on	Ongoing
29.	Prithiviraj Singh Chouhan	Prof. Vibhuti Singh Shekhawat	Course Work Going on	Ongoing
30.	Prakarti Sharma	Dr. Nidhi Sharma	Income Convergence in Emerging Market Economies: An Empirical Examination	Ongoing
31.	Shruti Agarwal	Dr. Nidhi Sharma	Transition towards a Happiness Economy: Prospects & Challenges for India	Ongoing
32.	Aayushi Pandey	Dr. Nidhi Sharma	Digital Banking by SBI Customers in Jaipur Region: The UTAUT Model Perspective	Ongoing
33.	TruptiVashishtha	Dr. Nidhi Sharma	Urban Agriculture and Well-Being: A Behavioural Analysis of Households	Ongoing
34.	Maharshi Sharma	Dr. Nidhi Sharma	A study of income inequality and multi-dimensional well-being in India	Ongoing



11.7 HONOURS AND AWARDS TO FACULTY MEMBERS DEPARTMENT OF CHEMICAL ENGINEERING

- Dr. Shiv Om Meena, Session Chair for International Conference on Chemical Engineering: Enabling Transition Towards Sustainable Future, by Department of Chemical Engineering, Indian Institute of Technology, Roorkee 2022
- 2. Dr. Madhu Agarwal, Chaired a session for International Conference on Advances in Chemical and Materials Sciencesby Indian Institute of Chemical Engineers, Kolkata, India 2022
- Dr. Madhu Agarwal, Chaired a Session for International conference on Water Desalination, Treatment & Management (InDACON 2022) by MBM Engineering College Jodhpur, Indian Desalination Association (InDA) and Defence Research & Devel 2022
- 4. Dr. Sonal, Distinction in Doctoral Thesis given by Indian Institute of Technology Delhi 2022
- Dr. Dipaloy Datta, Best Paper Award for Paper Presentation in INDACON 2021 given by Indian Desalination Association and MNIT Jaipur 2021Dr. Madhu Agarwal, Chaired a session for International Conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH given by MNIT Jaipur, India 2021
- 6. Dr. Madhu Agarwal, Khanal Foundation Research Excellence Award for best flash presentation and poster in BSAEH, 2021 given by BSAEH 2021
- 7. Dr. Shiv Om Meena, Member for Board of Studies (Chemical Engg.), Bikaner Technical University, Bikaner 2021
- 8. Dr. Madhu Agarwal, Member of Board of studies for M. Tech. Chemical engineering Institute of advance research, Gandhinagar, India. 2021
- 9. Dr. Rohidas Gangaram Bhoi, Primary Evaluator for Toycathon-2021 given by AICTE-Ministry of Education Innovation Cell 2021
- Dr. Rohidas Gangaram Bhoi, Resource Person for ATAL FDP on Green Technology ATAL Academy 2021
- 11. Dr. Rohidas Gangaram Bhoi, Resource Person for FDP on Environment, Energy, Health and Safety: Trends and Industrial Aspects ATAL Academy 2021
- Dr. Rohidas Gangaram Bhoi, Resource Person for Online FDP on Computer Aided Software for Process Intensification Gharda Institute of Technology 2021
- 13. Dr. Madhu Agarwal, Second Best Paper presentation for International conference on Water Desalination, Treatment & Management, In DACON-2021 given by Indian Desalination Association and MNIT Jaipur 2021
- Dr. Hrushikesh M. Gade, Session Chair for International conference on "Water Desalination, Treatment & Management, InDACON-2021" Indian Desalination Association and MNIT Jaipur 2021
- 15. Dr. Hrushikesh M. Gade, Session Chair for International Conference on Advances in Chemical, Biological and Environmental Engineering (ICACBEE) MNIT Jaipur 2021
- 16. Dr. Rohidas Gangaram Bhoi, Session Chair for International Conference on Water Desalination, Treatment and Management (InDACON2021) Indian Desalination Association



- 17. Dr. Dipaloy Datta, Member, Executive Committee, Jaipur Regional Center of IIChE, 11.04.2022 onward.
- 18. Dr. Dipaloy Datta, Session Chair, International Chemical Engineering Conference 2021 (100 Glorious Years of Chemical Engineering & Technology) during September 17-19, 2021, Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India.
- 19. Dr. Manish Vashishtha, Session Chair, International Chemical Engineering Conference 2021 (100 Glorious Years of Chemical Engineering & Technology) during September 17-19, 2021, Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India.
- 20. Dr. Dipaloy Datta, Session Chair, International Conference on Advances in Chemical, Biological and Environmental Engineering 2021 (ICACBEE-2021), April 23-24, 2021, Department of Chemical Engineering, MNIT, Jaipur, India.
- 21. Dr. Neetu Kumari, Distinction in Doctoral Thesis (Titled as Development of Ceria Based Catalyst for Solid Oxide Cell for Carbon Dioxide Reduction) given by Indian Institute of Technology Delhi, New Delhi, India



DEPARTMENT OF CIVIL ENGINEERING

Dr. Dhiraj Raj, Young Geotechnical Engineer Award for Best Paper on "Shallow Foundations" given by Indian Geotechnical Society - Soiltech India Pvt. Ltd., Pune Year - 2021

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

S.	Faculty Name	Award Name	Activity	Given By
No.				
1.	Dr. Lavika Goel	IEEE India Best	Best Women Professional of the	IEEE India Council
		Women	year	and Hope
		Professional		Foundation and
		Award 2021.		Research Center at
				IIT Guwahati,
				Guwahati
2.	Dr. Meenakshi	Award of	For conducting IEEE CIS	IEEE Computational
	Tripathi	US\$5170	Summer School	Intelligence Society
3.	Dr. Neeta Nain	Digital India	Project: Child Face Age	Government of
		Week 2 - 7 July	Progression and Regression to	India, MEITY and
		2022, Organiser	Trace Missing Children, selected	NIC
			for DIW	
4.	Dr. Lavika Goel	Priti Shankar	Received the 2022 Priti Shankar	Rethink India
		Stree Shakti	Stree Shakti Samman for being a	
		Samman	feminine faculty in CS & IT	
5.	Dr. Deepak Ranjan	CMES Young	Outstanding research in computer	CMES, Tech
	Nayak	Researcher	modeling and simulation	Science Press, USA
		Award		
6.	Dr. Lavika Goel	Commendable	International Women's day by	Department of
		contribution to	Smt. Mugdha Sinha (IAS),	Science and
		Science and	Secretary,	Technology (DST),
		Technology		Rajasthan



DEPARTMENT OF ELECTRICAL ENGINEERING

Prof. Rajesh Kumar

Best paper Award for 2nd International Conference on Artificial Intelligence: Advances and Applications given by (ICAIAA 2021), Jaipur Year – 2021.

Best paper Award for Texas Power and Energy Conference given by (TPEC 2021), Texas Year – 2021.

Technical program committee member, for 2nd International Conference on Computer and Communication Technology, given by ICCCT Year -2021.

Dr. Dipti Saxena

Best Paper Award for Presented Paper for IEEE Conference given by IEEE International Conference on Smart Technologies for Power, Energy and Control STPEC (2021) Year -2021.

First position holder for Electrical Distribution System Analysis course given by NPTEL Year – 2021.

Dr. Hemant Kumar Meena

POSOCO Power System Award for Best M.Tech Thesis given by POSOCO Year - 2021

Dr. Sandeep N

Listed in Top 2% Scientists in the world given by Standford University, USA. Year -2021

Dr. Ravita Lamba

Research Excellence Award for International Conference on Computational Techniques and Applications (ICCTA)-2021 given by International Organizing Committee under the Research Foundation of Kolkata, India Year – 2021.

Dr. Rohit Bhakar

POSOCO Power System Award for Best M.Tech Thesis given by POSOC O Year – 2021.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Prof. R. P. Yadav

Member of the Chief Minister of Rajasthan Budgetry Consultation Committee on Education.

Dr. Sarthak Singhal

Enlisted in top 2% Scientist in the world list given by Stanford University and Elsevier Year – 2021



DEPARTMENT OF MECHANICAL ENGINEERING

S.	Faculty	Award Name	Activity	Given By	Year
No.	Name				
1.	Dr. M. L.	Outstanding	Research	The Institution of Engineers	2021
	Meena	Engineering		(India)	
		Services to			
		Society			
		Award			
2.	Dr.	Award of	Orthosis for Clubfoot	Office of the Controller General	2021
	Harlal	Patent as	(CTEV) Correction and	of Patents, Designs, Trademarks,	
	Singh	Inventor for	Maintenance Based on	DPIIT, MoC&I,	
	Mali	patent No.	Ponsiti Method		
		374627 titled			
3.	Dr.	Innovation	Promoting and Supporting	MoE Innovation Cell and	2021
	Rajeev	Ambassador	Innovation, IPR and Start-	AICTE	
	Agrawal		up		
4.	Dr.	Award of	Title Design of a System	Office of the Controller General	2021
	Harlal	Patent as	for Finishing Complicated	of Patents, Designs, Trademarks,	
	Singh	Assignee and	Workpiece(s) using	DPIIT, MoC&I, GoI	
	Mali	Inventor	Abrasive Laden Base		
			Material		
5.	Dr. Amit	Best Paper	International Conference in	Convener, International	2022
	Arora	Award	Fluid, Thermal and Energy	Conference in Fluid, Thermal	
			Systems (ICFTES'22), NIT	and Energy Systems	
			Calicut, India	(ICFTES'22), NIT Calicut, In	2022
6.	Dr. Amit	Best Paper	International Conference	Convener, International	
	Arora	Award	on Thermo-Fluids and	Conference on Thermo-Fluids	
			System Design (ICTFSD	and System Design (ICTFSD	
			2022)	2022)	
7.	Dr. Amit	Best Paper	5th International	Convener, International	2022
	Arora	Award	Conference on Emerging	Conference on Emerging Trends	
			Trends in Mechanical &	in Mechanical & Industrial	
			Industrial Engg. (ICETMIE	Engineering	
			2022)		
8.	Dr.	Honorary	Neurolabs international	DANA Brain Health Institute,	2022
	Jinesh	Adjunct		Iran	
	Kumar	Senior			
	Jain	Research			
		Scientist			



9.	Dr.	Member	Board of Studies	University College of	2022
	Jinesh			Engineering, Banswara	
	Kumar				
	Jain				
10.	Dr.	Invited by	for Two Weeks to Enhance	between MNIT Jaipur and UoM	2022
	Harlal	University of	Research and Academic	Mauritius based on MOU	
	Singh	Mauritius	Collaboration		
	Mali				
11.	Dr. Amar	Outstanding		MNIT Jaipur	2022
	Patnaik	Teacher			
		Award (PG)			
12.	Dr.	First Position	Hindi Prshanottari (Vigyan	MNIT Jaipur	2022
	Pankaj		and Abhiyantriki)		
	Kumar				
	Gupta				
13.	Dr.	Second	Hindi Prashanottari	MNIT Jaipur	2022
	Pankaj	Position	(Samanya and Prashasnik)		
	Kumar				
	Gupta				
14.	Dr.	Second	Hindi Ashu Bhashan	MNIT Jaipur	2022
	Pankaj	Position			
	Kumar				
	Gupta				



DEPARTMENT OF MATHEMATICS

Dr. Priyanka Harjule, Appreciation Certificate for Womens Day (Women in Science) given by Department of Science and Technology (DST), Government of Rajasthan

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

Dr Nidhi Bansal awarded a Certificate of Completion for Course on 'Queering Identities: LGBTQ+ Sexuality and Gender Identity' by University of Colorado through Courseraon 5th November 2021.

Dr Nidhi Bansal awarded a Certificate of Completion for Course on 'Philosophy of Science' by University of Pennsylvania through Coursera on 24th June 2021.

11.8 PUBLICATIONS AND RESEARCH PAPERS IN CONFERENCES ETC.

DEPARTMENT OF ARCHITECTURE AND PLANNING

Research Papers Published in International Journals:

- 1. Swasti Sharma, Ashutosh Saini, Bhavna Shrivastava Gireendra Kumar & Ashwani Kumar, Evolution of Indian Hill Stations during the British Era: Problems and Prospects of Development, ISVS e-Journal Vol. 9 No. 2. April, 2022, pp 114-129.
- 2. Jagatramka R., Prasad R., Kumar A., Piprali S., Efficiency of materials in construction of buildings in Rural Areas of Chhattisgarh, Materials Today: Proceedings, 47, 3276–3281, https://doi.org/10.1016/j.matpr.2021.07.070.
- 3. Jagatramka R., Kumar A., Pipralia S., (2021) Transformations of Stone Dwellings in Khudargad, Chhattisgarh, India, ISVS e-journal, Vol. 8, no.3, pp 83-93.
- 4. Jagatramka R., Kumar A., Pipralia S., (2021) Transformations of Vernacular Architecture of India: Problems and Prospects, ISVS e-journal, Vol. 8, no.1, pp 23-32.
- 5. Shipra Goswami and Ashwani Kumar, 2021, Issues and Challenges for Urban Development in Indian Cities Post Pandemic: A Case of Jaipur, WEENTECH Proceedings in Energy 7 (2), 48-56 [https://doi.org/10.32438/WPE.552021].
- Aditya Saxena, Vallary Gupta, Bhavna Shrivastava, "An Assessment of Public Transport Accessibility Levels for Slums in Bhopal", International Journal of Engineering and Advanced Technology Volume: 10 / 252-258 / 2021.



Research Papers Published in National Journals

List of Papers Presented at International Conferences

- Chandan Shradha, Sharma Swati, Pipralia Satish, Kumar Ashwani, "Influence of Tourist Behavior Mapping in the Development of Pilgrim Cities", SUPTM 2022: 1st Conference on Future Challenges in Sustainable Urban Planning & Territorial Management, Universidad Politécnica de Cartagena
- Saraswat Anjali, Pipralia Satish, Kumar Ashwani, "Sustainable urbanisation: An ecosystems approach towards future cities", SUPTM 2022: 1st Conference on Future Challenges in Sustainable Urban Planning & Territorial Management, Universidad Politécnica de Cartagena
- Chandan Shradha, Pipralia Satish, Kumar Ashwani "Community Based Planning Interventions for Urban Conservation of Pushkar", 2nd Pan NIT HSS International Conference on 'Resilience and Transformation for Global Restructuring' (ICRTGR 2022) 7-9 January, 2022
- 4. Jagrati Sehgal and Gireendra Kumar, "Role of Building Envelope in Formation and Mitigation of Urban Heat Island a Review Study", International Conference on Sustainable Architecture(s) Humane Cities by: AMPS Architecture, Media, Politics, Society at Bangalore, 23-25 March 2022, AMPS Special Issue ISSN 2398-9467.
- Manish Sharma, Nand Kumar, Ashwani Kumar, Bansari Sharma, "Urban water resilience in landscape of digitally connected built environment: An assessment matrix for cities of developing nations", First International Conference on Technologies for Smart Green Connected Society 2021, 29-30 November 2021, Hydrabad, India [https://doi.org/10.1149/10701.18457ecst]
- Richa Jagatramka, Ashwani Kumar, Satish Pipralia, "Sustainability Attributes of Transformation in Vernacular Architecture of Chhattisgarh", First International Conference on Technologies for Smart Green Connected Society 2021, 29-30 November 202, Hydrabad, India, ECS Transactions, Volume 107, Number 1 [DOI: https://doi.org/10.1149/10701.18969ecst]
- Manish Sharma, Dr. Nand Kumar and Dr. Ashwani Kumar, "Existing resilience framework for disaster risk management in India", 5th World Congress on Disaster Management (WCDM), November 24-27, 2021 Delhi [ISBN 9781032355429
- 8. Goswami Shipra, Kumar Ashwani, "Problems And Prospects of Heritage Based City Development In India", Environment Concerns and its Remediation (F-EIR) Conference, October 18 22, 2021, Chandigarh
- 9. Dadhwal Adite, Kumar Ashwani, "Planning strategies to improve deteriorating living environment of hill towns: A case of Dharamshala", Environment Concerns and its Remediation (F-EIR) Conference, October 18 22, 2021, Chandigarh D. K. Ashish, J. de Brito (eds.), Environmental Concerns and Remediation [https://doi.org/10.1007/978-3-031-05984-1 15]
- 10. Chandan Shradha, Pipralia Satish, Kumar Ashwani, "Challenges and Opportunities in Data Pipralia Satish, Documentation And Analysis Techniques of Community-Based Urban Conservation Research Domain in a Post-Pandemic Era", 5th International Conference URBAN E-PLANNING, Institute of Geography and Spatial Planning, University of Lisbon, Portugal Lisbon, 7 - 10 September 2021



Any other details worth publication in Annual Report 2021-22

S.	Name of	Perticulars
No.	Faculty	
1.	Ar. Ram Niwas	Prepared proposals for refurbishment and renovation of Central Library, MNIT
	Sharma	Jaipur.
2.	Ar. Ram Niwas	Designed brief development of Entrance Plaza for MNIT, Jaipur.
	Sharma	
3.	Ar. Ram Niwas	Designed 320 Bedded EWS Hostel, MNIT Jaipur.
	Sharma	
4.	Ar. Ram Niwas	Prepared Installation design proposals for MI 8 Helicopter in MNIT Campus,
	Sharma	MNIT Jaipur.
5.	Ar. Ram Niwas	Prepared Signage design for Buildings and Way Finding in MNIT Campus, MNIT
	Sharma	Jaipur.

Patents filed by the department /faculty

S.	Patent brief detail	Status	Year
No.		(filed/accepted)	
1.	A Method for Implementing Energy Efficiency Measures in Institutional	Filed	2021
	Buildings, (App. No. 202111020563) By Sunil Sharma, Ashwani Kumar,		
	Nand Kumar, Satish Pipralia,		



DEPARTMENT OF CHEMICAL ENGINEERING

Research Papers Published in International Journals

- 1. Sameer Imdad, Rajeev Kumar Dohare, "A critical review on heavy metals removal using ionic liquid membranes from the industrial wastewater", Chemical Engineering and Processing-Process Volume: 173 / 1-13 / 2022
- 2. Sameer Imdad and Rajeev Kumar Dohare, "Aliquat 336 and Isodecanol Study on Phenol Removal through Liquid Emulsion Membrane from Aqueous Solution" Journal of Hazardous, Toxic, and Radioactive Waste Volume :26 / 04021060-1 / 2022
- 3. Maheshwari, Karishma, and Madhu Agarwal., "An approach for Capacitive deionizing the RO reject via developed Carbon coated Nickel Foam based Electrode." Journal of Hazardous, Toxic, and Radioactive Waste Volume: 26 / 04021058 / 2022
- 4. Ina Thakur, Anoop Verma, Banu rmeci, Vikas Sangal, "Applications of waste-derived visibly active Fe-TiO2 composite incorporating the hybrid process of photocatalysis and photo-Fenton for the inactivation of E. coli", Environmental Science and Pollution Research Volume: 00 / 1-13 / 2022
- Shivali Arora, Vijayalakshmi Gosu, Verraboina Subbaramaiah, Tian C Zhang, "Catalytic transesterification of glycerol with dimethyl carbonate to glycerol carbonate with Co3O4 nanoparticle incorporated mcm-41 derived from rice husk", Canadian Journal of Chemical Engineering Volume: 100 / 1868-1883 / 2022 ISBN: 1939-019X
- 6. Vijayalakshmi Gosu, Rohitash Kumar, Anantharaj Ramalingam, UK Arun Kumar, Amit Kumar Kashyap, Verraboina Subbaramaiah, "Desulfurization of Gasoline Using Deep Eutectic Solvents Based on Tetrabutylammonium Bromide" Journal of Chemical & Engineering Data Volume: 00 / 11 / 2022
- 7. Yogendra Singh Solanki, Madhu Agarwal, A. B. Gupta, "Development of an integrating coagulation and reverse osmosis system to treat highly turbid water using synthesized coagulants", Water Science & Technology Volume: 85 / 562 -577 / 2022
- 8. Tanaswini Patra, Ashutosh Mohanty, Lovjeet Singh, Sthiti Muduli, Pankaj K. Parhi, Tapas Ranjan Sahoo, "Effect of calcination temperature on morphology and phase transformation of MnO 2 nanoparticles: A step towards green synthesis for reactive dye adsorption", Chemosphere Volume: 287 / 132472 / 2022
- Karishma Maheshwari, Madhu Agrawal, A.B. Gupta, "Efficient desalination system for brackish water incorporating biomass-derived porous material." Journal of taiwan institute of chemical engineers Volume: 104316 / 104316 / 2022
- Singh, S., Meena, P., Bhoi, R., Saharan, V.K., George, S., "Enhanced lipid recovery from chlorella sp. Biomass by green approach: A combination of ultrasonication and homogenization pre-treatment techniques (hybrid method) using aqueous deep eutectic solvents", Materials Today: Proceedings Volume: 57(1) / 179-186 / 2022



- 11. Dubey, S, Agarwal, M., Gupta, A. B., "Experimental Evaluation of sand filtration and ultrafiltration as subsequent treatment of coagulation for fluoride removal.", Environmental Progress & Sustainable Energy, Volume: e13790 / 13790 / 2022
- 12. Neha Pal, Nishel Saini, Madhu Agarwal, Kamlendra Awasthi, "Experimental investigation of natural polysaccharide-based mixed matrix membrane modified with graphene oxide and Pd-nanoparticles for enhanced gas separation performance", International Journal of Hydrogen Energy, Volume :2 / 0369-3119 / 2022
- 13. Karishma Maheshwari, Madhu Agrawal, A.B. Gupta, "Experimental Investigation of textile dye effluent treatment via Capacitive Deionization utilizing agro-waste.", Chemical Papers, Volume:76/3119-3131/2022
- 14. Divya Gaur, Kailash Singh, Sushant Upadhyaya and Shiv Om Meena, "Experimental Study for Benzene/Water Removal by Air Gap Membrane Distillation", Asian Journal of Water Environment and Pollution, Volume :19 (5) / 43-51 / 2022
- Ankit Arya, Muzaffar Iqbal, Vaishnavi Yadav, Twinkle Agarwal, Rudrakshi Gawali, Susanta KumarJana, DipaloyDatta, "Fluoride ion removal using amine modified polymeric resin: Batch and column studies", Materials Today: Proceedings, Volume: 57(4) / 1626 -1636 / 2022
- Solanki, Y. S., Agarwal, M., Gupta, A. B., Gupta, S., and Shukla, P., "Fluoride occurrences, health problems, detection, and remediation methods for drinking water: A comprehensive review "Science of The Total Environment, Volume: 807 / 150601 / 2022
- 17. George, S., Bhoi, R., Saharan, V.K., "Green biomaterial hydroxyapatite derived from waste marble powder for applications in water defluoridation: Comparative study on materials synthesized by different processing routes", Materials Today: Proceedings, Volume:57(1) / 57-64 / 2022
- 18. Khan, A., Bhoi, R.G., Saharan, V.K., George, S., "Green calcium-based photocatalyst derived from waste marble powder for environmental sustainability: A review on synthesis and application in photocatalysis", Environmental Science and Pollution Research, Volume: 29 / 1-29 / 2022
- Francisco J. Montero, Ramesh Kumar, Ravita Lamba, Rodrigo A. Escobar, Manish Vashishtha, Sushant Upadhyaya, Amador M. Guzman, "Hybrid photovoltaicthermoelectric system: Economic feasibility analysis in the Atacama Desert, Chile", Energy, Volume: 239 / 122058 / 2022 ISBN: 0360-5442
- 20. Bhadange, Y.A., Saharan, V.K., S onawane, S.H., Boczkaj, G., "Intensification of catechin extraction from the bark of Syzygium cumini using ultrasonication: Optimization, characterization, degradation analysis and kinetic studies", Chemical Engineering and Processing -Process Intensification, Volume: 181/109147/2022



- 21. Agarwal, M., Maheshwari, K., Solanki, Y. S., "Investigation of dye effluent treatment using unmodified and modified bio-based sorbent and its process economics.", Journal of Hazardous, Toxic, and Radioactive Waste, Volume :26 / 04021045 / 2022
- 22. Kalpana Patidar, Ajit Singathia, Manish Vashishtha, Vikas Kumar Sangal, Sushant Upadhyaya, "Investigation of kinetic and thermodynamic parameters approaches to non-isothermal pyrolysis of mustard stalk using model-free and master plots methods", Materials Science for Energy Technologies, Volume :5 / 6-14 / 2022
- 23. Meenakshi Yadav, Sushant Upadhyaya, Kailash Singh, Tarun Kumar Chaturvedi and Manish Vashishtha, "Morphological study of synthesized PVDF membrane using different non-solvents for coagulations", Membrane and Water Treatment, Volume: 13 / 173-181 / 2022 ISBN: 2092-7037
- 24. Laddha, H., Yadav, P., Jain, Y., Sharma, M., Reza, M., Agarwal, M. and Gupta, R., "One-pot microwave-assisted synthesis of blue emissive multifunctional NSP co-doped carbon dots as a nanoprobe for sequential detection of Cr (VI) and ascorbic acid in real samples, fluorescent ink and", Journal of Molecular Liquids, Volume: 346 / 117088 / 2022
- 25. Rajeev Kumar Dohare, Sameer Imdad, "Preparation of ultrafltration membrane from discarded polyethylene terephthalate bottles", Environmental Science and Pollution Research, Volume :29 / 1-10 / 2022
- 26. Laddha H, Yadav P, Agarwal M Gupta R., "Quick and hassle-free smartphones RGB-based color to photocatalytic degradation rate assessment of malachite green dye in water by fluorescent ZrNS co-doped carbon dots.", Environmental Science and Pollution Research, Volume:29 / 1-12 / 2022
- 27. Shitanshu Pandey, Kailas S. Wasewar, Dipaloy Datta, Sushil Kumar, "Reactive Extraction of Gallic Acid using Trioctylamine and Tributyl phosphate with Natural Oils", Chemical Engineering & Technology, Volume :45 / 526 -534 / 2022
- 28. Sarika Yadav, Naveen Beniwal, Pawan Rekha, Lovjeet Singh, "Recent advances in the synthesis and applications of porous zirconium phosphate", Journal of Porous Materials, Volume: 26 / 640-648 / 2022
- Satyam Mishra, S Suresh, MS Chauhan, V Subbaramaiah, Vijaylakshmi Gosu, "Recent Progress in Carbonaceous Materials for the Nitrate Adsorption", Journal of Hazardous, Toxic, and Radioactive Waste, Volume: 26 / 04022013 / 2022 ISBN: 2153-5515
- 30. Lokesh Kumar, Vinod Kumar Dhakad, Susanta Kumar Jana, "Recycling of Marble Waste for Desulfurization of Flue Gas Accompanied by Synthesis of Gypsum and PoP", Chemical Engineering Research and Design, Volume: 184 / 577-591 / 2022
- 31. Rajeev K. Dohare, Vishal Agarwal, Naresh K. Choudhary, Sameer Imdad, Kailash Singh and Madhu Agarwal, "Removal study of As (V), Pb (II), and Cd (II) metal ions from



- aqueous solution by emulsion liquid membrane" , Membrane and Water Treatment, Volume :13 / 201 -208 / 2022
- 32. Tarun Kumar Chaturvedi, Prabhat Pandit, Sushant Upadhyaya, Manish Vashishtha, "Reverse Micellar Extraction of Copper Ions from Wastewater: Modelling and Simulation", Asian Journal of Water, Environment and Pollution, Volume :19 / 9-16 / 2022 ISBN: 0972-9860
- 33. Priya Sharma, Harshita Laddha, M Agarwal, R Gupta, "Selective and effective adsorption of malachite green and methylene blue on a non-toxic, biodegradable, and reusable fenugreek galactomannan gum coupled MnO2 mesoporous hydrogel", Microporous and Mesoporous Materials, Volume: 338 / 111982 / 2022
- 34. Pappu Kumar Burnwal, Priya Pal, Md Oayes Midda, and S. P. Chaurasia, "Synthesis of Hybrid PVDFPTFE Membrane Using Nonhazardous Solvent for EthanolWater Separation through Membrane Distillation", Journal of Hazardous, Toxic, and Radioactive Waste, Volume: 26 / 1 11 / 2022 ISBN: ISSN 2153-5493
- 35. Khan, A., Bhoi, R., Saharan, V.K., George, S., "Synthesis of titanium doped hydroxyapatite using waste marble powder for the degradation of Congo Red dye in wastewater", Materials Today: Proceedings, Volume: 57(4) / 1645-1653 / 2022
- 36. Harshika Suman, Vikas K Sangal, "Tannery Dye Wastewater Treatment in Batch and Once through Continuous Mode by Electro-Oxidation Using MMO Electrode", Journal of The Electrochemical Society, Volume: 169 / 043512 / 2022
- 37. Sonal Rajoria, Manish Vashishtha, Vikas K Sangal, "Treatment of electroplating industry wastewater: a review on the various techniques" Environmental Science and Pollution Research, Volume :00 / 1-51 / 2022
- 38. Sakshi Batra, Govind Singh Selakoti, Anusha Jain, Shubham Malhotra, Akshita Lodha, Niksha Lamba, Dipaloy Datta, "Ultrasound Assisted Aliquat 336 Functionalized Natural Resin for Improved Removal of Bisphenol-A and Biochanin-A from Aqueous Solution", Chemical Engineering Communications, Volume: 2022 / 1-10 / 2022
- 39. Asopa, R.P., Ikram, M.M., Saharan, V.K., "Valorization of glycerol into 1,3-propanediol and organic acids using biocatalyst Saccharomyces cerevisiae", Bioresource Technology Reports, Volume: 18 / 101084 / 2022
- Sudhanshu Singh, Vijayalakshmi G, U.K. Arun Kumar, "Process Intensification of Propionic Acid Separation – Effect of Channel Geometry for Microchannel Distillation", Chemical Engineering and Processing: Process Intensification, Volume:00/108599/2021 ISBN: 0255-2701
- 41. Shivali Arora, Vijayalakshmi Gosu, U. K. Arun Kumar, Tian C. Zhang and Verraboina Subbaramaiah, "A Novel Ce-CaO/MgO Catalyst Derived From Marble Waste Through Green Synthesis Route for Glycerol Carbonate Synthesis", Reaction Kinetics, Mechanisms, and Catalysis, Volume: 132 / 839 858 / 2021 ISBN: 1878-5204



- 42. Ritu Chaudhary, Sushant Upadhyaya, Vikas Kumar Sangal, "A Parametric Study on the HDPE/PP and Marble Slurry Waste Utilisation Using Single Screw Extruder", Asian Journal of Water, Environment and Pollution, Volume: 18 / 9 -17 / 2021
- 43. Pawan Rekha, Sarika Yadav, Lovjeet Singh, "A review on cobalt phosphate-based materials as emerging catalysts for water splitting", Ceramics International, Volume :48 / 6500 / 2021
- 44. Kalpana Patidar, Manish Vashishtha, "Activated carbon from mustard stalk biomass: Synthesis, characterization and application in wastewater treatment", Journal of the Serbian Chemical Society, Volume :4 / 429 -444 / 2021 ISBN: 1820-7421
- 45. Rajoriya, S., Saharan, V.K., Pundir, A.S., Nigam, M., Roy, K., "Adsorption of methyl red dye from aqueous solution onto eggshell waste material: Kinetics, isotherms and thermodynamic studies", Current research in green and sustainable chemistry, Volume: 4 / 100180 / 2021
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DEPARTMENT OF CIVIL ENGINEERING

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Books Chapter Published

S.	Title	Author/s	Publisher
No.			
1.	"Jal Swavlamban: Water Independence" ISBN:978-3-030-42462-6	Kanika Saxena, Urmila Brighu	Springer, 2021
2.	"Major Flows for Lead (Pb) Within an Academic Campus" ISBN:10.1007/978-981-33- 6695-4	Agarwal, A., Kumar, A., & Dangayach, S.	Springer, Singapore, 2021
3.	"Ground Response Analysis: Comparison of 1D, 2D and 3D Approach" ISBN:9789813365643	Nautiyal, P., Raj, D., Bharathi, M. and Dubey, R.N.	Springer, Singapore, 2021
4.	"Seismic Stability of Unsupported Conical Excavation in Clayey Ground" ISBN:9789813363465	Raj, D., Bharathi, M. and Shukla, S.K.	Springer, Singapore, 2021
5.	"Foundation Bearing Capacity Estimation on Rock-Mass Using Hoek-Brown Failure Criterion and Equivalent Mohr-Coulomb Parameters" ISBN:9789813363465	Prakash, S., Raj, D. and Singh, Y.	Springer, Singapore, 2021
6.	"Seismic Earth Pressure Coefficients for Vertical Wall Using Pseudo -Static Approach" ISBN:9789813365643	Srivastava, A., Raj, D. and Singh, Y.	Springer, Singapore, 2021
7.	"Metro Train-Induced Vibration Measurement on Buildings" ISBN:9789811656736	Bharathi, M., Raj, D., Singh, Y.	Springer, Singapore, 2021
8.	"Topographic Amplification of Earthquake Ground Motion on Hills of Bell-Shaped Geometry" ISBN:9789813365643	Modha, K., Raj, D. and Singh, Y.	Springer, Singapore, 2021
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10.	"Analysis of Liquid Storage Concrete Containers Partially Restraint at the Base" ISBN:978-981-16-6878-4	Rameshwar J. Vishwakarma and Ramakant K. Ingle	Springer, Singapore, 2022



Membership of Professional bodies

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		3. Life Member of TIAH	
2.	Prof. Akhilendra Bhushan Gupta	1. Life Fellow of IE (India)	
		2. Life Member of IDA	
		3. Life Member of ISTE	
		4. Life Member of ISWR	
3.	Prof. B. L. Swami	 Life Member of IRC. 	
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4.	Prof. Gunwant Sharma	Life Member of ISTE	
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		INDIA	
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		4. Life Member of ISRS	
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		7. Life Member of ISH	
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		4. Fellow of ISH	
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		2. Life Member of ISWR	
12.	Prof. Ashok Kumar Vyas	Life Member of ISTE	
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		2. Member Executive	
		Committee of ISWR	
		3. Life Member of ISTE	
		Life Member of IAH	
		Life Member of ISWE	
		Life Member of IGS	
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		4. Life Member of IASE	
		5. Life Member of ASTR	
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16.	Prof. Suresh Kumar Tiwari	1. Hons. Secretary of IGS	
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		2. Member of IGS	
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27.	Dr. Dhiraj Raj	1.	E-Affiliate Member of	
			EERI	
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		4.	Life Member of IGS	
28.	Dr. Himanshu Arora		Life Member of ISH	
			Life Member of AGU	
30.	Dr. Neha Shrivastava	1.	Life Member of IGS	
			Jaipur	
		2.	Life Member of IGS	
		3.		
			Life Member of ISTE	
			Member of ISSMGE	
31.	Dr. P V Ramana	1.	Peer Reviewer of	
			IJSEWC	
		2.	Peer Reviewer of	
			Sadhana	
			Peer Reviewer of SEC	
			Reviewer of IJND	
			Reviewer of IJNDC	
32	Dr. Danis advance I. Wickers I.	6.		
32.	Dr. Rameshwar J. Vishwakarma		Life Member of IGS	
			Life Member of ICI	
			Life Member of ISTE	
		4.	Associate Professional	
			Engineer of ECI	



		5. Associate Member of IE	
		6. Life Member of IRC	
33.	Dr. Ruchi Sharma	1. Associate Member of	
		ASHRAE	
		2. Member of IE,	
		Singapore	
		3. Student Member of	
		ESEA, IIT Bombay	
		4. Reviewer of JH	
34.	Dr. Sandeep Shrivastava	1. LEED AP of USGBC	
		LEED	
		2. Associate Member of	
		ASCE	
		3. Associate Member of IE	
		4. Member of LCI	
		5. Life Member of IBC	
35.	Dr. Siddharth Mehndiratta	Life Member of IGS	

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S. No.	Patent brief detail	Status (filed/accepted)	Date
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2.	Refractory castable based stable sandy soil composition and method of preparation there of -Sanchit Anand, Dr. Arun Gaur , Medhavi Gupta, Manash Pratim Deori	Published Application	26-11-2021



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- 99. K. G. Sharma, R. Bhakar and P. Mathuria, , "Energy Portfolio Optimization for the State of Rajasthan", 1st Odisha International Conference on Electrical Power Engineering, Communication & Computing Tech. by :IEEE at Bhubaneswar / 1-5 / 2021
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- 107. Renu Banjarey, Irene Jacob, Shivanjali Yadav, Sumanth Yamujala, Ashok Kumar Agrawal, Rohit Bhakar, "Electric Vehicle Charging Policies in Indian States: Key Learnings From International Experiences", 9th International Conference on Power Systems (ICPS) - 2021 by :IEEE at IIT Kharagpur / 1 / 2021
- 108. Shivanjali Yadav, Anjali Jain, Kailash Chand Sharma, Rohit Bhakar, "Load Forecasting for Rare Events Using LSTM", 9th International Conference on Power Systems (ICPS) 2021 by :IEEE at IIT Kharagpur / 1 / 2021
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- 112. Khajuria R, Lamba R, Kumar R., "Optimal Parameter Extraction and Performance Analysis of Proton Exchange Membrane Fuel Cell.", IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES-2022) by :IEEE at MNIT Jaipur (Online) / 1-5 / 2022 ISBN: 00.
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- 121. Kumar R, Maduabuchi C, Lamba R, Vashishtha M, Upadhyaya S, "Transient Optimization of a Segmented Variable Area Leg Geometry-Based Solar Thermoelectric Generator.", IEEE Green Energy and Smart Systems Conference (IGESSC) by :IEEE at California State University, California, USA / 1-6 / 2021
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- 124. P. D. Dewangan, Praveen Mande, Ankur Gupta, P. J. Krishna, V. P. Meena and V. P. Singh, "Efficacy of Sine Cosine Algorithm With Different Remedies for Search Space Violation", Applied Intelligence and Computing (AIC 2022), June, 17-19, 2022, Rajkiya Engineering College, Sonbhadra, India
- 125. P. D. Dewangan, Praveen Mande, Ankur Gupta, P. J. Krishna, V. P. Meena and V. P. Singh, "Performance Evaluation of Jaya Algorithm During Search Space Violation", International Conference on Intelligent



- Systems and Computation (ICISC2022), May 06-07, 2022, Poornima Institute of Engineering and Technology, Jaipur, India
- 126. P. D. Dewangan, Praveen Mande, Ankur Gupta, P. J. Krishna, V. P. Meena, A. P. Padhy and V. P. Singh, "Performance Evaluation of Luus-Jaakola Algorithm for Different Initialization Strategies Through Repetitive Reduction of Search Space", International Conference of Smart Innovations for Society (ICSIS-2022), May 06-07, 2022, Poornima Institute of Engineering and Technology, Jaipur, India
- U. K. V. P. Meena V. 127. Neelam Barwar, Yadav. and Ρ. Singh, "Interval Modeling of Single Machine Infinite Bus System", International Conference Smart Innovations for Society (ICSIS-2022), May 06-07, 2022, Poornima Institute of Engineering and Technology, Jaipur, India
- 128. P. D. Dewangan, N. Patnana, Lalbihari Barik, P. J. Krishna, V. P. Meena and V. P. Singh, "Performance Evaluation of GWO Algorithm Using Different Initialization Strategies", 8th International Conference on Advanced Computing and Communication Systems (ICACCS) 2022, March 25-26, 2022, Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India
- 129. P. D. Dewangan, N. Patnana, Lalbihari Barik, P. J. Krishna, V. P. Meena and V. P. Singh, "Efficacy of GWO Algorithm by Varying One Algorithm-Specific Parameter", International Conference on Intelligent Systems-2022, March 11-12, 2022, Uttaranchal University, Dehradun, India
- 130. V. P. Meena, P. Naresh, V. P. Singh, "Development of Interval Model for Zeta Converter Incorporating Fixed Amount of Uncertainty", Applied Computational Intelligence and Analytics (ACIA-2022), Feb. 26-27, 2022, NIT Raipur, India.
- 131. V. P. Meena, L. Barik, V. P. Singh, "Luus-Jaakola Algorithm Assisted Reduced-order Model of Interval Modeling Doha Water Treatment Plant", Applied Computational Intelligence and Analytics (ACIA-2022), Feb. 26-27, 2022, NIT Raipur, India.
- 132. V. P. Meena, L. Barik, V. P. Singh, "Markov -Parameters and Time-Moments Based Approximation of Discrete Interval Systems", IEEE Second International Conference on Power, Control and Computing Technologies ICPC²T 2022, March 1-3, 2022, NIT Raipur, India
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- 140. V. P. Meena, H. Jangid, V. P. Singh, "GWO Based Reduced -Order Modeling of Doha Water Treatment Plant", International Conference On Control, Automation, Power and Signal Processing, 10-12 December 2021, Jabalpur, India
- 141. Hitwik Singh, Patil Rahul D and Saravana Prakash P, "Performance Analysis of PID, Fuzzy and ANFIS Based Speed Controller for PMSM Drive", IEEE International Conference on Sustainable Energy and Future Electric Transportation (SEFET-2022) by: IEEE at Hyderabad, India / 1-6 / 2022
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- 143. Patil Rahul D, Saravana Prakash P, Arun Kumar Verma, N. Sandeep, "A IPOS Bridgeless PFC Cuk Converter Fed BLDC Motor Drive for Household Applications", IEEE International Conference on Sustainable Energy and Future Electric Transportation (SEFET-2022) by :IEEE at Hyderabad, India // 2022

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Books Published

S.	Title	Author	Publisher
No.			
1.	Advances in Information Communication	Goar, V., Kuri, M., Rajesh	Springer
	Technology and Computing	Kumar, Senjyu, T.	
2.	Circuit Theory Base Loss Allocation Methods for	Pankaj Kumar, Nikhil Gupta,	Springer
	Contemporary Distribution System: A Comparative	KR Niazi, Anil Swarnkar	
	Study (Book Chapter)		
3.	Analysis of the Impact of AC Faults and DC Faults	Deepak Singh, Dipti Saxena&	Springer
	on the HVDC Transmission Line (Book Chapter)	Rajeev Kumar Chauhan	
4.	Reactive Power Pricing Framework in Maharashtra	Shefali Tripathi, Dipti Saxena,	Springer
	(Book Chapter)	Rajeev Kumar Chauhan &	
		Anant Sant	
5.	Economic Load Dispatch Monitoring and	Deepesh Mali, Dipti Saxena &	Springer
	Optimization for Emission Control Using Flower	Rajeev Kumar Chauhan	
	Pollination Algorithm: A Case Study (Book		
	Chapter)		
6.	A Resilient Hybrid Output Converter with Inherent	Raj Kumar Yadav, Adil	Springer
	Cross-Regulation Avoidance Feature (Book	Sarwar, Dipti Saxena,	
	Chapter)	Mohammed Asim & Chandra	
		Prakash	
7.	Optimal Integration of Plug-in Electric Vehicles	Sakshi Gupta, D. Saxena,	Springer
	Within a Distribution Network Using Genetic	Mukesh Kumar Shah and	
	Algorithm (Book Chapter)	Rajeev Kumar Chauhan	
8.	An Energy Management System for Microgrid	Raj Kumar Yadav and Dipti	Springer
	Resilience Improvement (Book Chapter)	Saxena	
9.	Electro-thermal and Mechanical Optimization of a	Maduabuchia C, Lamba R,	Springer
	Concentrated Solar Thermoelectric Generator (Book	Ozoegwu C, Njoku HO, Eke	
	Chapter)	M, Ejiogu EC	
10.	Photovoltaic-Thermoelectric Power Generation:	Maduabuchia C and Lamba R	Begell
	Effects of Photovoltaic Cell Type, Thermoelectric		House
	Leg Geometry and Multi-Staging on System		
	Performance (Book Chapter)		
11.	Parametric optimization of a segmented	C Maduabuchia, Ravita Lamba,	Elsevier
	thermoelectric generator in a concentrated	C Ozoegwu, HO Njoku, Eke,	
	photovoltaic system under fluctuating weather	EC Ejiogu	
	conditions (Book Chapter)		



12.	Interval Modelling of Doha Water Treatment Plant	V. P. Meena, A. Anand, R.	Springer
	(Book Chapter)	Verma, M. Khatri, S. Behera,	
		and V. P. Singh	
13.	Impact of Storage Energy on Operation and Control	V. P. Meena, P. K. Meena, S.	Springer
	of Smart Grid (Book Chapter)	Choudhary, N. Mathur, and V.	
		P. Singh	
14.	Interval modeling of Riverol-Pilipovik water	N. Mathur, V. P. Meena, and V.	Springer
	treatment system (Book Chapter)	P. Singh	
15.	Interval modeling of Cuk Converter (Book Chapter)	S. Choudhary, V.P. Meena, and	Springer
		V.P. Singh	
16.	Applications of Advanced Computing in Systems	R. Kumar, R. K. Dohare, H.	Springer
	(Reference Book)	Dubey, V. P. Singh	



Faculty members who completed Ph. D. /M.Tech during the Year 2021-22

Membership of Professional bodies

S.	Name of Faculty	Membership	
No.			
1.	Dr. Kapil Shukla	1. IEEE (Senior Member)	
2.	Dr. Man Mohan Garg	1. Senior Member, IEEE	
		2. Life Member, Institution of Engineers (I)	
		3. Life Member, IETE (Institution of Electronics	
		and Telecommunication Engineers)	
3.	Dr. Kusum Verma	1. Senior Member, IEEE	
		2. Senior Member, IEEE PES (Power & Energy	
		Society)	
		3. Senior Member, IEEE IAS (Industry	
		Applications Society)	
		4. Member, IEEE Smart Grid Community	
		5. Life Member, IE (I) Institution of Engineers	
		Life Member, ISTE (Indian Society for	
		Technical Education)	
4.	Prof. Rajesh Kumar	Senior Member of IEEE.	
		2. Life member of ISTE	
		3. Fellow of IETE	
		4. Life Member of IE	
		5. Life Member of Computer Society of India	
		6. Senior Member of Int. Asso. Of Computer	
		Science & IT (IACSIT)	
		7. Life Member of Computer Society of India	
		8. Member of IAENG	
		9. Fellow of IE (India)	
		10. Fellow of IET, UK.	
		11. Member of International Association of	
		Engineers.	
		12. Member of The IAENG Society of Artificial	
		Intelligence	
		13. Member of The IAENG Society of Computer	
		Science	



- 14. Member of The IAENG Society of Electrical Engineering
- Member of The IAENG Society of Scientific Computing
- Executive Member of IEEE PES-IAS Delhi Chapter, 2022
- 17. IEEE Councellor of IEEE Power & Energy Society Student Chapter
- Honorary Secretary of IEEE Rajasthan Subsection
- Execom Member of IEEE Rajasthan Subsection
- 20. Execom Member of CSI Rajasthan
- 21. Editorial Board Membership of International Journal of Energy Optimization and E
- 22. Editorial Board Membership of Gate to Computational Intelligence and Soft Comput
- 23. Editorial Board Membership of Journal of Fundamental and Applied Sciences
- 24. Editorial Board Membership of International Journal on Trends in Electrical Engi
- 25. Editorial Board Membership of International Journal on Advances in Computer Visi
- 26. Editorial Board Membership of International Journal of Bio Inspired Computing
- 27. Editorial Board Membership of International Journal of Adaptive and Innovative S
- 28. Editorial Board Membership of Journal of Electrical Engineering
- 29. Editorial Board Membership of International Journal of Computer Theory and Engin
- 30. Editorial Board Membership of Trends in Electrical engineering
- 31. Editorial Board Membership of Journal of Electrical and Electronics Engineering
- 32. Editorial Board Membership of International Journal of Computer Application



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		33. Editorial Board Membership of International	
		Journal of Computational Intelligence	
		34. Editorial Board Membership of International	
		Journal on Trends in Electrical Enginnering	
5.	Prof. Harpal Tiwari	1. Fellow of The Institution of Engineers (India)	
		2. Life Member of International Association of	
		Engineers	
		3. Life Member of Indian Society for Technical	
		Education	
		4. Member of IEEE	
6.	Prof. Khaleequr Rehman Niazi	Senior Member of IEEE	
		2. Life Member of Indian Society for Technical	
		Education	
7.	Prof. Manoj Fozdar	Senior member of IEEE	
		2. Member of IE (India)	
		3. Member of System society of India	
8.	Dr. Anil Swarnkar	Senior Member of IEEE	
9.	Mr. Ashok Kumar Agarwal	1. Life Member of Indian Society for Technical	
		Education	
		2. Associate Member of IE (India)	
10.	Dr. Dipti Saxena	Senior Member of IEEE	
		2. Member of IEEE Woman in Engineering	
		(WIE)	
		3. Member of IEEE Power & Energy Society	
		(PES).	
11.	Dr. Nikhil Gupta	1. Member of IEEE	
		2. Life Member of ISTE	
12.	Mrs. Nikita Jhajharia	Life Member of Indian Society for Technical	
		Education	
13.	Dr. Prerna Jain	1. Senior Member of IEEE PES (Power &	
		Energy Society), USA	
		2. Senior Member of IEEE Woman in	
		Engineering (WIE)	
14.	Mr. Vinod Sahai Pareek	1. Life Member of Indian Society for Technical	
		Education	
15.	Dr. Nitin Gupta	1. Sr. Member, IEEE	
16.	Dr. Hemant Kumar Meena	1. Senior Member of IEEE	
	I .	1	



17.	Dr. Satyanarayana Neeli	 Member of IEEE Member Control System Society of IEEE Professional Member of International Federation of Automatic Control (IFAC)
18.	Dr. Satish Sharma	Member of IEEE Member of IEEE Power & Energy Society (PES) Faculty Advisor of IEEE Power & Energy Society Student Chapter
19.	Dr. Saravana Prakash P	 Senior Member of IEEE Associate Member of IE (India)
20.	Dr. Rohit Bhakar	 Senior Member of IEEE Life Member of Indian Society for Technical Education Secretary of IEEE PES Working Group on Distribution Network Cha Chairperson of IEEE Rajasthan Sub Section Member of Rajasthan Electricity Regulatory Commission
21.	Dr. Sandeep N	Senior Member of IEEE
22.	Dr. Ravita Lamba	 Member of IEEE (USA) Life Member of Soft Computing Research Society Life Member of Solar Energy Society of India Member of IETE Member of IE (India) Advisory Board Member of Renewable Energy Society of India (RESI)
23.	Dr. Vinay Pratap Singh	1. Senior Member of IEEE 2. Life Member of Soft Computing Research Society 3. Member of International Society for Automation (ISA) 4. Member of IEEE Control Systems Society 5. Faculty Advisor of IEEE SMC Society Student Chapter

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Patents filed by the department /faculty

S.	Patent brief detail	Status	Year
No.		(filed/accepted)	
1.	Artificial Intelligence Enabled Health Monitoring System (Aihms) for Grid	Accepted	2021
	Connected Solar Inverter, Ahteshamul Haque, Rajesh Kumar, K V S		
	Bharath, M Ali Khan, Reg.No. 202011038582 [Patent Office Journal]		
2.	A Multiphase Transformer Rectifier Unit and A Method Thereof, R	Accepted	2021
	Kalpana, Saravana Prakash P, Bhim Singh and G Bhuvaneswari, Reg.No.		
	201641040621 [Indian Patent Office]		
3.	Switched - Capacitor Multilevel Inverter With Self - Voltage - Balancing for	Accepted	2022
	High - Frequency Power Distribution System, Jagabar Ali, Kaustubh		
	Bhatnagar, Yam P. Siwakoti, Hussain M. Bassi, Muhyaddinrawa, N.		
	Sandeep, Reg.No. 11251719 B1 [US Patent]		
4.	A Single Stage Bridgeless Pfc Converter for Charging an Electric Vehicle,	Filed	2022
	Saravana Prakash P, Monika Goyal, Sandeep N, Arun Kumar Verma, R		
	Kalpana and Udaykumar R Yaragatti, Reg. No. 202211049135 [Indian		
	Patent Office]		



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Research Papers Published in International Journals

- ML Joshi, N Mittal, N Joshi, "Improving the Performance of Semantic Graph-Based Keyword Extraction and Text Summarization Using Fuzzy Relations in Hindi Wordnet", Journal of Intelligent & Fuzzy Systems Volume: 1 / 1-18 / 2022
- 2. P. K. Keserwani, M. C. Govil, and E. S. Pilli, "The Web Ad Click Fraud Detection Approach for Supporting to the Online Advertising System", International Journal of Swarm Intelligence Volume: 7 / 3-24 / 2022
- 3. Lavika Goel, "A novel approach for Face Recognition using Biogeography Based Optimization with Extinction and Evolution (accepted)", Multimedia Tools and Applications, 81(8), 10561-10588 (2022)
- 4. Sumita Mishra, Ritvik Maheshwari, Jyoti Grover, V Vaishnavi, "Investigating the performance of a vehicular communication system based on visible light communication (VLC). International Journal of Information Technology, 14(2), 877-885.
- Jyoti Grover, "Security of Vehicular Ad Hoc Networks using blockchain: A comprehensive review", Vehicular Communications Volume: 34 / 100458 / 2022
- Gopa Bhaumik · Monu Verma · Mahesh Chandra Govil · Santosh Kumar Vipparthi, "HyFiNet: Hybrid feature attention network for hand gesture recognition", Multimedia Tools and Applications, Springer Volume :- / 1-20 / 2022
- Santosh Singh Rathore, Satyendra Singh Chouhan, Dixit Kumar Jain, and Aakash Gopal Vachhani, "Generative Oversampling Methods for Handling Imbalanced Data in Software Fault Prediction", IEEE Transactions on Reliability, 2022 Volume: 71 / 747 - 762 / 2022
- 8. HImashu K Gajera, Mukesh A Zaveri, Deepak Ranjan Nayak, "Patch based Local Deep Feature Extraction for Automated Skin Cancer Classification", International Journal of Imaging Systems and Technology Volume :00 / 00 -00 / 2022
- A. K. Mishra, M. C. Govil, E. S. Pilli, and A. Bijalwan, "Digital Forensic Investigation of Healthcare Data in Cloud Computing Environment", Journal of Healthcare Engineering Volume: 2022 / 1-11 / 2022
- Vinesh Kumar Jain, Aarka Prokash Mazumdar, Parvez Faruki, Mahesh Chandra Govil, "Congestion control in Internet of Things: Classification, challenges, and future directions", Sustainable Computing: Informatics and Systems Volume: 35 / 100678 / 2022
- 11. A. Sharma, E. S. Pilli and A. P. Mazumdar, "BD-Trust: Behavioural and Data Trust Management Scheme for Internet of Things", Journal of Ambient Intelligence and Humanized Computing (Accepted) Volume: 2022 / 1-12 / 2022
- 12. Ganpat Singh Chauhan, Yogesh Kumar Meena, Dinesh Gopalani, Ravi Nahta, "A mixed unsupervised method for aspect extraction using BERT. Multimedia Tools and Applications. 2022 Apr 11:1 -26



- Sandeep Kumar Gupta, Seid Hassan Yusuf, Neeta Nain, "Real-Time Gender Recognition for Juvenile and Adult Faces", Computational Intelligence and Neuroscience Volume: 2022 / 1-15 / 2022 ISBN: Article ID 150318
- 14. Gopal Behra, Neeta Nain, "Handling data sparsity via item metadata embedding into deep collaborative recommender system", Journal of King Saud University-Computer and Information Sciences Volume :2022 / 1-15 / 2022
- P. Mishra, A. Gupta, P. Aggarwal, E. S. Pilli, "vServiceInspector: Introspection-Assisted Evolutionary Bag-of-Ngram Approach to Detect Malware in Cloud Servers", Adhoc Networks (Accepted) Volume :132 / 1-18 / 2022
- Subham Kumar Gupta, Meenakshi Tripathi, Jyoti Grover, "Hybrid optimization and deep learning based intrusion detection system", Computers & Electrical Engineering Volume: 100 / 107876 / 2022
- 17. VivekSharma, Ashish KumarTripathi, "A systematic review of meta-heuristic algorithms in IoT based application", Array Volume: 14 / 1-6 / 2022
- 18. Himanshu Mittala, Ashish Kumar Tripathi, Avinash Chandra Pandeyc, Mohammad Dahman Alshehrid, Mukesh Saraswata, Raju Pal, "A new intrusion detection method for cyber-physical system in emerging industrial IoT", Computer Communications Volume: 190 / 24-35 / 2022
- A. Choudhary, M. C. Govil, G. Singh, L. K. Awasthi, and E. S Pilli, "Energy-Aware Scientific Workflow Scheduling in Cloud Environment", Cluster Computing (Accepted) Volume :25 / 1-18 / 2022
- 20. Avani Sharma, Emmanuel Shubhakar Pilli, Arka Prokash Mazumdar, "BD-Trust: behavioural and data trust management scheme for internet of things", Journal of Ambient Intelligence and Humanized Computing Volume: 2022 / 1-13 / 2022
- 21. Avuthu Avinas h Reddy, Ramesh babu Battula, and Dinesh Gopalani, "Avuthu Avinash Reddy, Ramesh babu Battula, and ", Wireless Networks Volume :29 / 1 15 / 2022
- 22. Praveen Kumar Chandaliya and Neeta Nain, "Child GAN: Face aging and rejuvenation to find missing children", Pattern Recognition Volume: 129 / 108761 / 2022
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- 40. Ravi Nahta, Yogesh Kumar Meena, Dinesh Gopalani, Ganpat Singh Chauhan, "A hybrid neural variational CF-NADE for collaborative filtering using abstraction and generation", Expert Systems with Applications Volume: 179 / 115047 / 2021
- 41. Saurabh Ranjan Srivastva, Yogesh Kumar Meena, Girdhari Singh, "The landscape of soft computing applications for terrorism analysis: A review", Applied Soft Computing Volume: 113 / 107977 / 2021



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- 45. Vedant Parikh, Vidit Mathur, Parth Mehta, Namita Mittal, Prasenjit Majumder, "LawSum: A weakly supervised approach for Indian Legal Document Summarization", arXiv preprint arXiv:2110.01188 Volume: 1 / 1-22 / 2021



Research Papers Published in National Journals

List of Papers Presented at International Conferences

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- L. Sadineni, E. S. Pilli and R. B. Battula, "ProvNet-IoT: Provenance Based Network Layer Forensics in Internet of Things", Digital Forensic Research Workshop Asia Pacific (DFRWS APAC) by :Elsevier at Adelaide, Australia / 1-8 / 2022
- 3. Ravindra Kumar Soni and Neeta Nain, "Improving Identification Accuracy on Unconstrained Low-Resolution Tiny Faces via Absolute Cosine Similarity", 26th IAPR International Conference on Pattern Recognition 2022 by :IEEE at Montréal Québec/ 1 4 / 2022
- 4. Amogh M Joshi, Deepak Ranjan Nayak, "GDenseMNet: Global Dense Multiscale Feature Learning Network for Efficient COVID-19 Detection in CT Images", 2022 International Joint Conference on Neural Networks (IJCNN) by :IEEE at Padua, Italy // 2022
- Himanshu K. Gajera, Deepak Ranjan Nayak, Mukesh A. Zaveri, "Fusion of Local and Global Feature Representation With Sparse Autoencoder for Improved Melanoma Classification", 44th International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) by :IEEE at Glasgow, Scotland, UK / 00-00 / 2022
- Deepti Sharma, Kuldeep M Biradar, Santosh K Vipparthi, Ramesh B Battula, "HYPE: CNN Based HYbrid PrEcoding Framework for 5G and Beyond", International Conference on Advanced Information Networking and Applications (AINA 2022) by :IEEE at University of Technology Sydney (UTS), Sydney, AUS // 2022
- Arunima Sharma, Dhwani Agrawal, Nandini Roy, Sunita Bhichar Ramesh Babu Battula, "POTENT Decentralized Platoon Management With Heapify for Future Vehicular Networks", 36th International
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- 11. Megha Sharma, Namita Mittal, Anukram Mishra, Arun Gupta, "Analytical Machine Learning for Medium-Term Load Forecasting Towards Agricultural Sector", Second Doctoral Symposium on Computational Intelligence by :Springer at Institute of Engineering and Technology Lucknow / 581-592 / 2022



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- 13. Lavika Goel, "Path Extraction and Planning for Intelligent Battlefield Preparation Using Particle Swarm Optimization, Gravitational Search Algorithm, and Genetic Algorithm." Proceedings of International Conference on Intelligent Cyber-Physical Systems. Springer, Singapore, 2022
- 14. Lavika Goel, "Traveling Salesman Problem Solution Using Plate Tectonics Based Neighborhood Search Optimization." ICT Analysis and Applications. Springer, Singapore, 2022. 597-606
- 15. Gopal Behra, Neeta Nain, "Trade-off between memory and model-based collaborative filtering recommender system." Proceedings of the International Conference on Paradigms of Communication, Computing and Data Sciences. Springer, Singapore, 2022
- 16. G. Sharma, A. M. Joshi, E. S. Pilli, "An Automated MDD Detection System Based on Machine Learning Methods in Smart Connected Healthcare", 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS) by :IEEE at Jaipur, India / 27-32 / 2021
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- 19. Avinash Reddy Avuthu, Arunima Sharma, Dinesh Gopalani, Ramesh Babu Battula, "Location Based Detection Mechanism for PUEA on CR Enabled 5G-IoT Network", Location Based Detection Mechanism for PUEA on CR Enabled 5G-IoT Network by :IEEE at Hyderabad // 2021
- 20. Abhishek Narwaria, Arka Prokash Mazumdar and Gauransh Kalla, "C3HAC: A Controller Placement Approach for SDWSN", IEEE Region 10 Conference (TENCON), 2021 by :IEEE at New Zealand / 935-940 / 2021
- 21. Saurabh Sagar, Mushtaq Ahmed, Mohammed Yaseen Husain, "Fuzzy Randomized Load Balancing for Cloud Computing", International Conference on P2P, Parallel, Grid, Cloud and Internet Computing by :Springer at Japan / 18-19 / 2021
- 22. Shalin Kumar Deval, Meenakshi Tripathi, Bruhadeshwar Bezawada, Indrakshi Ray, "X-Phish: Days of Future Past"‡: Adaptive & Privacy Preserving Phishing Detection", Conference on Communications and Network Security by :IEEE at Online // 2021
- 23. Vinesh Kumar Jain, Arka Prokash Mazumdar and Mahesh Chandra Govil, "CoAP Congestion Control: A Dynamic Send Rate Based Approach", IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON), 2021 by :IEEE at Malaysia / 1-6 / 2021
- 24. Vijay Kumari, Ayush Jain, Yashvardhan Sharma, Lavika Goel, "Conversational Question Answering System Using RASA Framework", Global Conference on Artificial Intelligence & Applications (GCAIA-2021) (Accepted). by :CRC Press, Taylor and Francis at Jaipur, India // 2021



List of Papers Presented at National Conferences

Books Published

S.	Title	Author	Publisher
No.			
1.	Proceedings of International Conference on Recent	Rajendra Prasad	Springer
	Trends in Computing ICRTC 2021, Lecture Notes in	Mahapatra, Sateesh Kumar	Publications
	Networks and Systems, vol. 341, Springer	Peddoju, Sudip Roy, Pritee	
	Publications, ISBN 978-981-16-7118-0,	Parwekar, Lavika Goel	
	https://doi.org/10.1007/978-981-16-7118-0, 2022.		
2.	Cloud Security - Attacks, Techniques, Tools, and	Preeti Mishra, Emmanuel S.	Taylor and
	Challenges	Pilli & R. C. Joshi	Francis
	ISBN:978-0-3674-3582-0		(Chapman
			Hall / CRC
			Press)
3.	Cyber Security in Intelligent Computing and	Rajeev Agrawal, Jing He,	Springer
	Communications	Emmanuel S. Pilli, Sanjeev	Singapore
	ISBN:1860-949X	Kumar	
4.	Exploring Susceptible-Infectious-Recovered (SIR)	Rahul Saxena, Mahipal	Springer
	Model for COVID-19 Investigation	Jadeja, and Vikrant Bhateja	Singapore
	ISBN:978-981-19-4175-7		
5.	Artificial Intelligence: Concepts and Applications	Lavika Goel	Wiley
	ISBN:978-8126519934		Publications

Faculty members who completed Ph. D. /M.Tech during the Year 2021 -22 Membership of Professional bodies

S.	Faculty Name	Membership
No.		
1.	Dr. Arka Prokash Mazumdar	IEEE
		IEEE Computer Society
		IEEE Council on RFID
		IEEE Sensors Council
		IEEE Young Professionals
		Internet of Things Community, IEEE
2.	Dr. Ashish Kumar Tripathi	IEEE
3.	Dr. Deepak Ranjan Nayak	IEEE
		IEEE Computational Intelligence Society



4.	Dr. Dinesh Gopalani	ACM
		IAENG
		IEEE
		theIRED
5.	Dr. Dinesh Kumar Tyagi	ACM, USA
		Computer Society of India
		IEEE
6.	Dr. Jyoti Grover	Computer Society of India
		IEEE
		ISTE(New Delhi)
7.	Dr. Lavika Goel	Association for Computing Machinery
		(ACM)
		IE (India)
		IEEE
		IEEE CIS (Computational Intelligence
		Society)
8.	Dr. Meenakshi Tripathi	Computer Society of India
		Computer Society of India
		IEEE CIS (Computational Intelligence
		Society)
		IEEE Computer Society
		IEEE Woman in Engineering(WIE)
		IETE (India)
		The Society of Digital Information and
		Wireless Co
9.	Dr. Mushtaq Ahmed	Life Member ACM, USA
		IAENG
		Fellow IE (India)
		IEEE
		ISTE
		IEEE Computer Society
		Member of Board of Studies for
		Computer and its allied branches from
		27th July 2021 for three years of Gujarat
		Technological University
		Member of Research Board of University
		of Engineering and Management Jaipur
		from April 29-2021



		Member of board of Studies Amity
		Institute of Information Technology,
		Amity University Jaipur from 12
		December 2020
		Members-of-academic-council, Global
		Institute of Technology, Jaipur since 2019
		Member of SRDC (School Research
		Development Committee), Amity
		University Jaipur since 11th September
		2018
		Member of Review Board of Subodh
		Journal of Recent Trends in Information
		Technology (ISSN NO. 0975-9875)
		Publish by: S.S. Jain Subodh P.G.
		(Autonomous) College, Jaipur.
10.	Dr. Namita Mittal	ACM, USA
		Cloud Computing Innovation Council of
		India(CCICI)
		IEEE
		Soft Computing Research Society
11.	Dr. Neeta Nain	British Macine Vision Association
		IAENG
		IEEE
		Indian Unit - International Association of
		Pattern
12.	Dr. Pilli Emmanuel Shubhakar	ACM, USA
		Cloud Computing Innovation Council of
		India(CCICI)
		Computer Society of India
		Digital Forensic Research Workshop -
		Asia Pacific
		IEEE
		IEEE Communications Society
		IEEE Computer Society
		IFIP WG 11.9 on Digital Forensics
		National Institute of Standards and
		Technology



		Quantum Ecosystem Tech Council of
		India(QETCI)
		Special Interest Group Security, Audit and
		Control
13.	Dr. Ramesh Babu Battula	ACM, USA
		IAENG
		IEEE
		IEEE Communications Society
14.	Dr. Santosh Kumar Vipparthi -on Lien	Biometrics Council
		IEEE
		IEEE - Council on RFID
		Signal Processing Society
15.	Dr. Satyendra Singh Chouhan	ACM, USA
16.	Dr. Smita Naval	IEEE
17.	Dr. Yogesh Kumar Meena	ACM, USA
		Computer Society of India
		IEEE
		IEEE Computational Intelligence Society
		Institution of Engineers (India)
18.	Prof. Mahesh Chandra Govil (On Deputation)	IEEE
		IETE
		ISTE
19.	Prof. Manoj Singh Gaur (On Deputation)	ACM, USA
		IEEE
		IEEE Computer Society
		Indian Society for Technical Education
20.	Prof. Vijay Laxmi	Association for Computing Machinery
		(ACM)
		IEEE
		Indian Society for Technical Education



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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- 1. Ajay Yadav, R.P.Yadav, "Quarter wavelength parasitic stub loaded polarization reconfigurable patch antenna", Electromagnetics Volume :41 / 459-467 / 2021
- Ajay Yadav, Mamta Devi Sharma, Namrata Saxena and R.P. Yadav, "Journal of Communications Technology and Electronics", Journal of Communications Technology and Electronics Volume: 6 / 1-7 / 2021
- Geetha P., Satyasai Jagannath Nanda, Rajendra Prasad Yadav, "A parallel chaotic sailfish optimization algorithm for Estimation of DOA in wireless sensor array", Physical Communication Volume: 51 / 1-16 / 2021
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- 5. Jaiverdhan, M.M.Sharma and R.P.Yadav, "Broadband Circularly Polarized compact MIMO Slot Antenna based on Strip and Stubs for UWB Applications", Electromagnetics Volume :0 / 1 -5 / 2021
- K. Vyas, R P Yadav ,"Planar Suspended Line technique based UWB MIMO Antenna having Dual Band Notching Characteristics", International Journal of Microwave and Wireless Technologies 13(6) / 614-623 / 2021 / 1.064
- Namrata Saxena, Varshali Sharma, Ritu Sharma, Kamlesh Kumar Sharma and Kapil Kumar Jain, "The Effect of Thermal Annealing on Structural, Morphological and Optical Features of BaTiO3 Thin Film Prepared by e-Beam PVD Technique ", Iranian Journal of Materials Science and Engineering Volume: 18 / 1-12 / 2021
- 8. Namrata Saxena, Varshali Sharma, K.K. Sharma, Kapil Kumar Jain, "Design, Modeling and Parametric Analysis of Piezoelectric Energy Scavenger on Silicon Substrate as a Vibration Sensor", SILICON Volume: 14 / 3765-3774 / 2021
- 9. K. K. Sharma, Lokesh Sharma, Shobha Sharma, "Sampling Theorems with Nonlinear Signal Reconstruction Scheme", IETE Journal of Research Volume :68 / 1-5 / 2021
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- 11. Namrata Saxena, Varshali Sharma, Ritu Sharma, Kamlesh Kumar Sharma, Kapil Kumar Jain ,"Design, parametric analysis and comparison of fixed-guided two beam and four beam vibrational piezoelectric energy harvesters", Microsystem Technologies 28 / 1203-1212 / 2022
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- Atul Sharma, Ritu Sharma, Anup Sharma, "Synthesis and study of polyaniline/MWCNT composite for optoelectronic application", Bulletin of Material Science 44(121) / 8 / 2021
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- Shanky Saxena, Ritu Sharma, B. D. pant ,"Fabrication of Fixed-Fixed Beam Type Piezoelectric Vibration Energy Harvester", SILICON - / 6 / 2021
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- 23. Lokesh Sharma, Ritu Sharma, "Performance enhancement of GaN/GaAS based hybrid multi-quantum well LED structure", Optoelectronics and Advanced materials-Rapid Communication 16 / 7 / 2022 / 0.587 DOI: https://oam-rc.inoe.ro/articles
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- 30. Pathak, Vikas, Satyasai Jagannath Nanda, Amit Mahesh Joshi, and Sitanshu Sekhar Sahu. "FPGA implementation of high-speed tunable IIR band pass notch filter for identification of hot-spots in protein." International Journal of Circuit Theory and Applications 49, no. 11 (2021): 3748-3765
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- 41. D. Deb, R. Goswami, R. K. Baruah, K. Kandpal, and R. Saha, "Parametric investigation and trap sensitivity of n-p-n double gate TFETs", Computers and Electrical Engineering Volume :100 / 107930 / 2022 DOI: https://doi.org/10.1016/j.compeleceng.2022.107930



- 42. N. Reddy, D. K. Panda, and R. Saha, "Analytical modelling for surface potential of dual material gate overlapped-on-drain TFET(DM-DMG-TFET) for label-free biosensing application", AEU International Journal of Electronics and Communications Volume :151 / 154225 / 2022 DOI: https://doi.org/10.1016/j.aeue.2022.154225
- 43. R Saha and C Sahu, "Influence of dielectric material near tunnel junction on analog/RF and linearity figure of merits in hetero dielectric (HG) TFET: A detailed study", International Journal of RF and Microwave Computer Aided Design Volume: 32 / 22915 / 2022 DOI: https://doi.org/10.1002/mmce.22915
- 44. D. Deb, R. Goswami, R. Baruah, R. Saha and K. Kandpal, "Role of gate electrode in influencing interface trap sensitivity in SOI tunnel FETs", Journal of Micromechanics and Microengineering Volume :32 / 044006 / 2022 DOI: https://doi.org/10.1088/1361-6439/ac56e8
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- 47. Poonam Devi, M. Ravi Kumar ,"Modeling of lithium niobate based Mach-Zehnder modulator for visible light communication system with BER analysis", Optical and Quantum Electronics 53 / 327 / 2021 / 2.794 DOI: https://doi.org/10.1007/s11082-021-02999-5
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- R. K. Garg, M.V. D. Nair, S. Singhal and R. Tomar, "Compact Cpw-Fed Asymmetric Uwb Antenna With Sufficient Wlan-Band Rejection", Progress in Electromagnetic Research C Volume: 108 / 201-210 / 2021
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- S. Singhal, "Asymmetrically CPW Fed Square Sierpinski Carpet Ultrawideband Terahertz Antenna",
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- 52. S. Singhal, "Compact Wideband Antenna for 60 GHz Millimeter Wave Applications ", Microwave Review Volume :27 / 23-27 / 2021
- 53. R. K. Garg, S. Singhal and R. S. Tomar, "A CPW FED CLOWN-SHAPED SUPER WIDEBAND ANTENNA", Progress In Electromagnetics Research Letters Volume :99 / 159-167 / 2021
- 54. Deepshikha Lodhi and S. Singhal, "PENTAGON INSCRIBED CIRCULAR SUPERWIDEBAND FRACTAL MIMO ANTENNA", International Journal of Communication Systems Volume :0 / 1 -8 / 2021
- 55. S. Singhal, "Wide Incident Angle Insensitive Ultrawideband Mid-Infrared Perfect Absorber (Accepted)", Optik International Journal for Light and Electron Optics Volume :0 / 1-10 / 2021
- 56. S. Singhal, "CPW Fed Circular Sierpinski Terahertz Antenna For Superwideband Pattern Diversity Applications", Optik International Journal for Light and Electron Optics Volume :243 / 1-8 / 2021



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- 64. R. Gupta and S. J. Nanda, "Cloud detection in satellite images with classical and deep neural network approach: A review", Multimedia Tools and Applications, Springer Volume :81 / 31847-80 / 2022 DOI: https://doi.org/10.1007/s11042-022-12078-w
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List of Papers Presented at International Conferences

- 1. Sharma, Richa, Amit M. Joshi, ChitrakantSahu, Gulshan Sharma, K. T. Akindeji, and Sachin Sharma. "Semi Supervised Cyber Attack Detection System For Smart Grid." In 2022 30th Southern African Universities Power Engineering Conference (SAUPEC), pp. 1-5. IEEE, 202
- 2. Ahmad, Riyaz, Amit M. Joshi, DharmendarBoolchandani, and Tarun Varma. "Design of potentiostat and current mode read-out amplifier for glucose sensing." In 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS), pp. 64-69. IEEE, 2021
- 3. Saxena, Gaurav, ChitrakantSahu, and Amit M. Joshi. "Detection and transmission of pH from food substances using IoT." In 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS), pp. 279-280. IEEE, 2021
- 4. Sharma, Geetanjali, Amit M. Joshi, and Emmanuel S. Pilli. "An Automated MDD Detection System based on Machine Learning Methods in Smart Connected Healthcare." In 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS), pp. 27-32. IEEE, 2021
- 5. Sharma, Giriraj, Amit M. Joshi, and Saraju P. Mohanty. "An Efficient Physically Unclonable Function based Authentication Scheme for V2G Network." In 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS), pp. 421-425. IEEE, 2021.
- 6. G. Jain, A. M. Joshi, R. K. Maddila and S. K. Vipparthi, "A Review of Non-Invasive HbA1c and Blood Glucose Measurement Methods," 2021 IEEE International Symposium on Smart Electronic Systems (iSES), 2021, pp. 339-342, doi: 10.1109/iSES52644.2021.00086
- 7. V. Pathak, S. J. Nanda, A. M. Joshi and S. S. Sahu, "FPGA Implementation of High Speed Anti-Notch Lattice Filter for Exon Region Identification in Eukaryotic Genes", 2021 IEEE Computer Society Annual Symposium on VLSI (ISVLSI), Florida, USA, 7-9 July, 2021
- 8. Tripathi, S. K., and Amit Mahesh Joshi. "On the design of improved resistive sensor interface using 32 nm CNFET." Materials Today: Proceedings (2021)
- 9. Pathak, Vikas, Satyasai Jagannath Nanda, Amit Mahesh Joshi, and Sitanshu Sekhar Sahu. "VLSI Implementation of Tunable Band-Pass Notch IIR Filter for Localization of Hot spots in Proteins." In Proceedings of the Fourth International Conference on Microelectronics, Computing and Communication Systems, pp. 563-575. Springer, Singapore, 2021



- 10. Sidharth Pancholi, Amit M. Joshi, "A Fast and Accurate Deep Learning Framework for EMG-PR Based Upper-Limb Prosthesis Control", In 2020 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS), IEEE, 2020. [Accepted and To be uploaded on IEEE eXplore]
- 11. Pankai Binda, Akshay Pratap Singh, Kuldeep Singh, Rajendra Mitharwal, "A Computational Approach for Estimating the Electric Field of a Radiating Microstrip Patch Antenna Using a Magnetic EMC Probe", 2021 IEEE Indian Conference on Antennas and Propagation (InCAP) by :IEEE at Jaipur / 01-04 / 2021
- 12. G Jain, A M Joshi, R K Maddila, S K Vipparthi, "A Review of Non-Invasive HbA1c and Blood Glucose Measurement Methods", iSES 2021 by IEEE at MNIT Jaipur 18-December to 22-December, 2021
- 13. S Gottam, S J Nanda, R K Maddila ,"A CNN-LSTM Model Trained With Grey Wolf Optimizer for Prediction of Household Power Consumption", iSES 2021 by IEEE at MNIT Jaipur 18-December to 22-December, 2021
- 14. M. D. Sharma, A. Yadav, S. Singhal and R. Sharma, "Design and Analysis of Compact Dual Band Antenna for Body Area Network Applications", International Conference on Computational Electronics for Wireless Communications (ICCWC-2022) by: Springer at NIT Surathkal / 1-4 / 2021
- 15. M. D. Sharma, A. Yadav, S. Singhal and R. Sharma, "Design and Simulation of Flower Shaped Flexible Wideband Antenna for WBAN Applications", 2021 IEEE Indian Conference on Antennas and Propagation (InCAP) by :IEEE at MNIT Jaipur / 1-4 / 2021
- 16. R. Mali, D. Lodhi and S. Singhal, "Dual Band Circular Patch Antenna for RFID and Ultrawideband Applications", 2021 IEEE Indian Conference on Antennas and Propagation (InCAP) by :IEEE at MNIT Jaipur / 1-4 / 2021
- 17. R. Mali, D. Lodhi and S. Singhal, "Compact CPW Fed Nonagonal UWB Antenna", 2021 IEEE Indian Conference on Antennas and Propagation (InCAP) by :IEEE at MNIT JAIPUR / 1-4 / 2021 ISBN: 978-1-6654-0110-4
- 18. R. Rathore, D. Lodhi and S. Singhal, "CPW-Fed Wheel-Shaped Super Wideband Monopole Antenna", 2021 IEEE Indian Conference on Antennas and Propagation (InCAP) by :IEEE at MNIT Jaipur / 1-4 / 2021 ISBN: 978-1-6654-0110-4
- 19. L. Singh, D. Lodhi and S. Singhal, "CPW Fed Circular Shaped Fractal SWB Antenna", 2021 IEEE Indian Conference on Antennas and Propagation (InCAP) by :IEEE at MNIT JAIPUR / 1-4 / 2021 ISBN: 978-1-6654-0110-4
- 20. D. Lodhi and S. Singhal, "Modified Beveled Shaped Superwideband Monopole Antenna", 2021 IEEE Indian Conference on Antennas and Propagation (InCAP) by :IEEE at MNIT JAIPUR / 1-4 / 2021 ISBN: 978-1-6654-0110-4
- 21. R. Gupta, S. J. Nanda, "Solving Dynamic Many-Objective TSP Using NSGA-III Equipped With SVR-RBF Kernel Predictor", IEEE Congress on Evolutionary Computation (CEC-2021) by :IEEE at Kraków, Poland / 95-102 / 2021 ISBN: 978-1-7281-8393-0
- 22. R. Verma, V. Janyani and S. J. Nanda, "Design and Optimization of EDFA -Raman Hybrid Optical Amplifier Using Grey Wolf Optimizer", 2021 International Conference on Communication, Control and Information Sciences (ICCISc) by :IEEE at Government Engineering College, Idukki, Kerla / 1-6 / 2021 ISBN: 978-1-6654-0



- A. Sharma, S. J. Nanda, R. K. Vijay, "A Binary NSGA -II Model for De-Clustering Seismicity of Turkey and Chile", IEEE Congress on Evolutionary Computation (CEC-2021) by :IEEE at Kraków, Poland / 981-988 / 2021 ISBN: 978-1-7281-8393-0
- 24. V. Pathak, S. J. Nanda, A. M. Joshi, S. S. Sahu, "FPGA Implementation of High Speed Anti-Notch Lattice Filter for Exon Region Identification in Eukaryotic Genes", IEEE Computer Society Annual Symposium on VLSI (ISVLSI) by :IEEE at Tampa, Florida, USA / 418-421 / 2021 ISBN: 978-1-6654-3946-6
- 25. K. M. Kanaujia, A. Srigyan, U. Mishra, S. Sirvi, S. J. Nanda, "Robust Automatic Clustering Based on Local Density With Glowworm Swarm Optimization", 12th International Conference on Computing Communication and Networking Technologies (IEEE-ICCCNT-21) by :IEEE at IIT Kharagpur / 1-7 / 2021 ISBN: 978-1-7281-8595-8
- 26. R. Ratnakumar, S. J. Nanda, "An Improved Genetic Clustering Architecture for Real-Time Satellite Image Segmentation", 2021 International Conference on Advances in Technology, Management & Education (ICATME) by :IEEE at NITTR Bhopal, India / 123-128 / 2021 ISBN: 978-1-7281-8586-6
- 27. Geetha P., S. J. Nanda, R. P. Yadav, "Direction of Arrival Estimation in Automotive Radar With Sailfish Optimization Algorithm", 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS) by :IEEE at MNIT Jaipur / 173-176 / 2021 ISBN: 978-1-7281-8753-2
- G. Ramya, S. J. Nanda, "A Binary Multi-Objective CLONAL Algorithm for Band Selection in Hyper-Spectral Images", 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS) by :IEEE at MNIT Jaipur / 99-104 / 2021 ISBN: 978-1-7281-8753-2
- 29. S. Gottam, S. J. Nanda, R. K. Maddila, "A CNN-LSTM Model Trained With Grey Wolf Optimizer for Prediction of Household Power Consumption", 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS) by :IEEE at MNIT Jaipur / 355-360 / 2021 ISBN: 978-1-7281-8753-2
- 30. Sharma, J., Varma, T. and Boolchandani, D., 2021, December. A brief review of the various phase frequency detector architectures. In 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS) (pp. 74-78). IEEE.
- 31. Ahmad, R., Joshi, A.M., Boolchandani, D. and Varma, T., 2021, December. Design of potentiostat and current mode read-out amplifier for glucose sensing. In 2021 IEEE International Symposium on Smart Electronic Systems (iSES)(Formerly iNiS) (pp. 64-69). IEEE.



List of Papers Presented at National Conferences

- 1. Mr. Mohit Yadav, Mr. Muquaddar Ali and Dr. Rajendra Prasad Yadav, "Gain Enhanced Dual Band Antenna Backed by Dual Band AMC Surface for Wireless Body Area Network Applications", 2021 IEEE Indian Conference on Antennas and Propagation (InCAP) by :IEEE at Jaipur / 1-5 / 2021.
- 2. Geetha P, Satyasai Jagannath Nanda, R.P.Yadav, "Direction of Arrival Estimation in Automotive Radar With Sailfish Optimization Algorithm", iSES 2021 by :IEEE at MNIT Jaipur / 1-6 / 2021.
- Amit Kumar Sharma, Ritu Sharma, Shishir kumar Sharma, "Effect of Noise on Concurrence of Compact Photonic CNOT Gate Designed Using Universal Cloner", Intelligent Computing Techniques for Smart Energy Systems-2021 (ICTSES-21) by Springer at Manipal University 01-September to 03-September, 2021
- 4. Amit Kumar Sharma, Shishir Kumar Sharma, Ritu Sharma, "A Promising Circuit for All Optical Based Quantum Computing", OWT21 by Springer at MNIT Jaipur 09-October to 10-October, 2021
- Atul Sharma, Ritu Sharma, Anup Sharma, "Model Study of Complex Conductivity and Permittivity of CNT/PANI Composite (CPC) Material for Application of THz Antenna", ICAMCM-2021 by Elsevier at JECRC Jaipur 19-February to 20-February, 2021
- 6. MM Sharma, Chandrashekhar Ganesh Jha, Sanjeev Yadav, Joohi Garg, Ila Sharma, "Design and Performance Evaluation of Wilkinson Power Divider", IEEE Indian Conference on Antennas and Propagation (InCAP) by:IEEE at MNITJAIPUR/31-33/2021
- 7. P. Kaith, M. M. Sharma, I. Sharma, I. B. Sharma, Bhawna Kalra, "Array Implementation of Bull's Horn Design Microstrip Patch Antenna for Broadcast Satellite and Military Communication", IEEE Indian Conference on Antennas and Propagation (In CAP) by :IEEE at MNIT JAIPUR/31-33/2021
- 8. Rajesh Saha, Brinda Bhow mick, and Srimata Baishya, "RF/Analog Parameters in DMG-Fin FET for Channel Material Beyond Si", AISP 2022 by :IEEE at VIT AP University / / 2022



S.	Title	Author	Publisher
No.			
1.	Book Chapter:	Amit Joshi, KoradaDivya,	Special Issue: IoT
	FPGA Implementation of Multivariate	HemlataChhajed, Rakam	Applications for
	Support Vector Regression for Non-invasive	Sai Kamal	Healthcare
	Blood Glucose Estimation Using IoMT		Systems (Springer
	Framework		Book Chapter)
2.	Book Chapter:	Amit Joshi, Natasha Singh	Special
	VLSI implementation of sEMG based		Issue: Biomedical
	classification for muscle activity control		Signal and Image
			Processing with
			Artificial
			Intelligence (Springer
			Book Chapter)
3.	Book Chapter, "Clustering High-Dimensional	J. B. Narayana, S. J.	ISBN: ISBN 978-981-
	Datasets using Quantum Social Spider	Nanda, U. P. Shukla	33-6983-2 published by
	Optimization with DWT"		- Advances in
			Intelligent Systems and
			Computing, Springer,
			Vol.1335 Year: 2021
4.	Book Chapter, " A Neural Network Model to	R. Verma, S. J. Nanda	ISBN: ISBN 978-981-
	Estimate Parameters of DBSCAN for Flood		16-6893-7 published by
	Image Segmentation"		- Algorithms for
			Intelligent Systems,
			Springer Year: 2022
5.	Book Chapter, "A model based on fuzzy C-	A. Sharma, S. J. Nanda,	ISBN: ISBN 978-981-
	means with density peak clustering for	R. K. Vijay	16-2712-5 published by
	seismicity analysis of Earthquake Prone		- Advances in
	Regions"		Intelligent Systems and
			Computing, Springer,
			Vol.1393 Year: 2021
6.	Effect of Au-Al Dual-Metal Gate on 3D	Achinta Baidya, Rajesh	Springer
	Double-Gate Junctionless Transistor	Saha, Amarnath Gaini,	
	Performance	Chaitali Koley, Somen	
		Debnath, and Subir Datta	
7.	Effect of Channel Doping Variation on	Achinta Baidya, Rajesh	Springer
	Electrostatic Characteristics of 3D Double	Saha, Amarnath Gaini,	
	Gate Junctionless Transistor	Chaitali Koley, Somen	
		Debnath, and Subir Datta	



Membership of Professional bodies

S.	Name of Faculty	Membership			
No.					
1.	Prof Vijay Janyani	IEEE (Senior Member)			
		OSA (Senior Member)			
		SPIE (Senior Member)			
		IE (I) (Fellow)			
		IETE (Life Fellow)			
		ISTE (Life Member)			
		ISCEE (Life Member)			
		OSI (Life Fellow)			
		ILA (Life Member)			
		IACSIT (Senior Member)			
2.	D.Boolchandani	Senior Member IEEE			
3.	Dr. Tarun Varma	Member of IEEE			
		IEEE Sensors Council			
4.	Dr. Amit M. Joshi	Senior Member IEEE, Membership No.: 91128031			
5.	Dr. Bharat Choudhary	Senior Member of IEEE			
		Member of IEEE EDS Society			
		Executive Member of IEEE Rajasthan Subsection			
6.	Dr Ila sharma	Senior Member IEEE, IEEE Signal			
		Processing,			
		IEEEWomeninEngineering,IEEESensor			
		Council,IEEEWiSE, IETE			
7.	Menka	IEEE (senior member)			
8.	Rajesh Saha	IEEE (Senior Member)			
9.	Ravi Kumar Maddila	SM IEEE, SM Optica, Member SPIE,			
		Life member OSI, Life member of			
		IETE, India			
10.	Dr. Satyasai Jagannath	Senior Member IEEE, IEEE Computational Intelligent Society,			
	Nanda	IEEE Computer Society,			
		Soft Computing Research Society of India			
8. 9.	Rajesh Saha Ravi Kumar Maddila Dr. Satyasai Jagannath	IEEE (Senior Member) SM IEEE, SM Optica, Member SPIE, Life member OSI, Life member of IETE, India Senior Member IEEE, IEEE Computational Intelligent Society IEEE Computer Society,			



Any other details worth publication in Annual Report 2021-22

S. No.	Name of	Particulars					
	Faculty						
1.	Dr. Amit M.	Served as Mentor for IEEE Engineering in Medicine and Biology Society					
	Joshi	student mentorship program 2021.					
2.	Dr Ila Sharma	Reviewer of innovative ideas/innovations received under the INSPIRE					
		Awards-MANAK					
		Treasurer of IEEE-APS Rajasthan Sub section Chapter-Jaipur in					
		Malaviya National Institute of Technology Jaipur from -30-01-2022					
		toTill Date					
		Placement Faculty Coordinator in MNIT Jaipur from -28-01-					
		2022 to Till Date					
		Placement coordinator in Department of ECE, MNIT Jaipur					
		from - 28-01-2022 toTillDate					
		Member of DPGC in Department of ECE, MNIT Jaipur from - 01-					
		10-2021 toTill Date					
		Faculty-in-charge, Digital Signal & Image processing Lab in					
		Department of ECE, MNIT Jaipur from -04-02-2021 to Till Date					
3.	Menka	SIVAS: Smart Interactive Virtual Assistance System - A Voice User					
		Interface					



Research Papers Published in International Journals

S. No.	Faculty Name	Paper Title	Journal Name	Publisher Name	Volume	Page
1.	Dr. Tapas Bajpai	3D Printing: Advancement in Biogenerative Engineering to Combat Shortage of Organs and Bioapplicable Materials	Regenerative Engineering and Translational Medicine	Springer	7	210- 219
2.	Dr. Gunjan Soni	A BMFO-KNN based intelligent fault detection approach for reciprocating compressor	International Journal of System Assurance Engineering and Management	Springer Link	13	797– 809
3.	Dr. Anoj Meena	A comparative study of the effect of fillers and monomer on dental restorative material	MATERIALS TODAY: PROCEEDINGS	Elsevier	0	2214 - 7853
4.	Prof. Dilip Sharma	A comprehensive review of biodiesel production from waste cooking oil and its use as fuel in compression ignition engines: 3rd generation cleaner feedstock	Journal of Cleaner Production	Elsevier	307	1272 99
5.	Prof. Dilip Sharma	A comprehensive review of physicochemical properties, production process, performance and emissions characteristics of 2nd generation biodiesel feedstock: Jatropha curcas	Fuel	Elsevier	285	1191 10
6.	Prof. Dilip Sharma	A Comprehensive Review on 1st-Generation Biodiesel Feedstock Palm Oil: Production, Engine Performance, and Exhaust Emissions	BioEnergy Research	Springer	14	Jan- 22



7.	Prof. Dilip Sharma	A Comprehensive Review on Low- Temperature Combustion Technologies for Emission Reduction in Diesel Engines	International Journal of Automotive and Mechanical Engineering (IJAME)	UMP	18	9230 - 9243
8.	Dr. Harlal Singh Mali	A comprehensive review on surface quality improvement methods for additively manufactured parts	Rapid Prototyping Journal	Emerald Publishing Limited	0	Jan- 54
9.	Dr. M. L. Meena	A Contemporary Review of Pushing/Pulling Strength at Different Handle Heights	Recent Advances in Industrial Production	Springer	0	13-21
10.	Dr. Harlal Singh Mali	A critical review of modeling and simulation techniques for loose abrasive based machining processes	Materials Today: Proceedings	Elsevier	56	2016 - 2024
11.	Dr. Gunjan Soni	A decade of the international journal of lean six sigma: bibliometric overview	International Journal of Lean Six Sigma	Emerald	13	295- 341
12.	Dr. Gunjan Soni	A decision-making framework for Industry 4.0 technology implementation: The case of FinTech and sustainable supply chain finance for SMEs	Technological Forecasting and Social Change	Science Direct	180	1216 86
13.	Dr. Gunjan Soni	A Decision-Making Framework for Sustainable Supply Chain Finance in Post-COVID Era	International Journal of Global Business and Competitiveness	Springer	0	00- 00
14.	Dr. Rajeev Agrawal	A framework to overcome blockchain	International Journal of Mathematical	Internatio nal	0	Jan- 30



		enabled sustainable manufacturing issues through circular economy and Industry 4.0 measures	Engineering and Management Sciences (ESCI)	Journal of Mathemati cal Engineeri ng and Managem ent Sciences		
15.	Prof. A. P. S. Rathore	A literature review on network reliability analysis and its engineering applications	Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability	Sage	235	167- 181
16.	Prof. Dilip Sharma	A new methodology to find out cooking energy needs for a rural household	Int. J. Environment and Sustainable Development	Inderscien ce	20	225- 263
17.	Dr. Harlal Singh Mali	A newly developed coal- ash-based AFM media characterization for abrasive flow finishing of FDM printed hemispherical ball shape	International Journal on Interactive Design and Manufacturing (IJIDeM)	Springer Paris	0	Jan- 16
18.	Prof. A. P. S. Rathore	A novel method to prioritise the ergonomic attributes of a passenger car using fuzzy approach	International Journal of Business and Systems Research	Inderscien ce Publishers IEL	15	601- 628
19.	Dr. Gunjan Soni	A retrospective overview of Journal of Enterprise Information Management using bibliometric analysis	Journal of Enterprise Information Management	Emerald	35	504- 529
20.	Dr. Jinesh Kumar Jain	A Review of Magnesium Based MMC Fabrication Techniques for Biomedical Applications	Key Engineering Materials	Trans Tech Publicatio ns Ltd	924	141- 150



21.	Dr. M. L. Meena	A review of minimum quantity lubrication (MQL) based on Bibliometry	Recent Patents on Materials Science	Bentham Science Publishers	14	13- 39
22.	Dr. Gunjan Soni	A Review of Multi Agent-based Production Scheduling in Manufacturing System	Recent Patents on Engineering	Bentham Science	15	15- 32
23.	Dr. Amar Patnaik	A review on additive manufacturing of polymers composites	Materials Today: Proceedings	Elsevier	44	4150 - 4157
24.	Prof. Dilip Sharma	A Review on Emissions Reduction Techniques used in Internal Combustion Engines	Int. J. Environment and Sustainable Development	Inderscien ce	20	232- 254
25.	Dr. M. L. Meena	A Review on Musculoskeletal Disorders and Design of Ergonomics Aids with Relevance to Lower Back and Lumbopelvic Pain in Pregnant Women	Recent Advances in Operations Management Applications	Springer	0	129- 140
26.	Prof. Dilip Sharma	A review on production processes, performance and emissions analysis of Hydrogen as a fuel in I.C. engines	Int. J. Environment and Sustainable Development	Inderscien ce	21	Jan- 21
27.	Dr. Amar Patnaik	A Short Review on Polymer, Metal and Ceramic Based Implant Materials	Material Science and Engineering	IOP	1017	1203 8
28.	Dr. Gunjan Soni	A State-of-the-art Bibliometric Analysis for Additive Manufacturing	Current Materials Science	Bentham Science	14	04- Dec
29.	Prof. Jyotirmay Mathur	A stochastic multi- interval scheduling framework to quantify operational flexibility in	Applied Energy	Elsevier	304	1177 63



		low carbon power systems				
30.	Dr. Rajeev Agrawal	A systematic review and future research agenda for sustainable fashion in the apparel industry	Benchmarking An International Journal	Emerald	0	
31.	Dr. Harlal Singh Mali	Additive manufacturing for prostheses development: state of the art	Rapid Prototyping Journal	Emerald	0	
32.	Dr. M. L. Meena	Adopting zero accident vision in India: a conceptual framework	IOP Conference Series: Materials Science and Engineering	IOP Publishing	1017	1200 6
33.	Dr. Gunjan Soni	Adoption of product lifecycle management in new product development: a case study of automotive organisation	Benchmarking An International Journal	Emerald	0	00-
34.	Dr. Rajeev Agrawal	Adoption of Smart and Sustainable Manufacturing Practices: An Exploratory Study of Indian Manufacturing Companies	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, (SCI), Impact Factor: 2.651	Sage	236	9.54 E+0 8
35.	Dr. M. L. Meena	Agriculture supply chain management: a review	Materials Today: Proceedings	Elsevier	47	3144 - 3153
36.	Dr. Dinesh Kumar	An Analytical Investigation on Linear and Nonlinear Vibrational Behavior of Stiffened Functionally Graded Shell Panels Under Thermal Environment	Journal of Vibration Engineering & Technologies	Springer	DOI	-



37.	Dr. Harlal Singh Mali	An experimental investigation of viscosity of a newly developed natural polymer-based media for abrasive flow machining (AFM) of 3D printed ABS parts	Journal of Engineering Research	Academic publicatio n council Kuwait university	-	-
38.	Dr. M. L. Meena	An integrated multi- criteria decision-making approach for identifying the risk level of musculoskeletal disorders among handheld device users	Soft Computing	Springer	0	01- Nov
39.	Dr. Amar Patnaik	An investigation on thermal stability of single wall carbon nanotubes (SWCNTs) by molecular dynamics simulations	Materials Today: Proceedings	Elsevier	44	4940 - 4944
40.	Dr. Gunjan Soni	An occupational health and safety management system framework for lean process industries: an interpretive structural modelling approach	International Journal of Lean Six Sigma	emerald	0	0-0
41.	Prof. G. S. Dangayach	An Overview of Sustainability of Textile Wastewater Management in Textile Sectors. Water Pollution and Management Practices	Water Pollution and Management Practices	Springer	0	279- 302
42.	Dr. M. L. Meena	Analysing the Prevalence of Occupational Risk Among Workers Involved in Traditional Clay Brick Manufacturing Tasks	Ergonomics for Improved Productivity	Springer	56	497- 502
43.	Prof. Jyotirmay Mathur	Analysis of different operating strategies of thermal energy storage	Energy Research	Wiley	45	6174 - 6197



		with radiant cooling system				
44.	Dr. Ram Dayal	Analysis of flow behavior of size distributed spherical particles in screw feeder	Powder Technology	Elsevier	382	Jan- 22
45.	Prof. Jyotirmay Mathur	Analytical model of semi- transparent photovoltaic double-skin façade system (STPV-DSF) for natural and forced ventilation modes	International Journal of Ventilation	Taylor & Francis	20	Jan- 30
46.	Dr. Gunjan Soni	Analyzing barriers for the adoption of circular economy in the manufacturing sector	International Journal of Productivity and Performance Management	Emerald	71	912- 931
47.	Dr. M. L. Meena	Analyzing the Effects of Industrial Protective Gloves Material on Hand Grip Strength	Recent Innovations in Mechanical Engineering	Springer	0	237- 245
48.	Dr. M. L. Meena	Analyzing the Hand Grip Strength of Carpenters	Ergonomics for Design and Innovation	Springer	0	881- 888
49.	Prof. Jyotirmay Mathur	Angular loss of window integrated thin film semi-transparent photovoltaic module	Journal of Building Engineering	Elsevier Science	40	1023 53
50.	Dr. Manish Kumar	ANN model for prediction of thermo-hydraulic performance of a solar air heater with vertical cylindrical ribs	Energy Reports	Elsevier	8	585- 592
51.	Dr. Rajeev Agrawal	Application of Optimization Techniques in Metal Cutting Operations: A Bibliometric Analysis	Materials Today: Proceedings (Scopus)	Elsevier	38	365- 370



52.	Dr. Harlal Singh Mali	Artificial intelligence techniques for implementation of intelligent machining	Materials Today: Proceedings	Elsevier	56	1947 - 1955
53.	Dr. Gunjan Soni	Assessing dairy supply chain vulnerability during the Covid-19 pandemic	International Journal of Logistics Research and Applications	Taylor & Francis	0	Jan- 19
54.	Dr. Gunjan Soni	Assessing supply chain resilience to the outbreak of COVID-19 in Indian manufacturing firms	Operations Management Research	Springer	0	Jan- 20
55.	Dr. M. L. Meena	Assessing the Carbon Foot Print of an Ayurveda Medical Institute: A Case of National Institute of Ayurveda, Jaipur, India	Recent Advances in Industrial Production	Springer	0	33- 44
56.	Dr. Amar Patnaik	Assessment of microstructural characterization and Thermo-Kinetic simulations for producing strengthened and toughened martensitic steels	Materials Today: Proceedings	Elsevier	44	4903 - 4907
57.	Dr. M. L. Meena	Assessment of Respiratory Health of Wood and Stone Occupation Workers: A Review	Ergonomics for Design and Innovation	Springer	0	419- 428
58.	Dr. M. L. Meena	Assessment of Stability and Thermophysical Properties of Jojoba Nanofluid as a Metal-Cutting Fluid: Experimental and Modelling Investigation	Lubricants	Multidisci plinary Digital Publishing Institute	10	126



59.	Dr. M. L. Meena	Assessment of Sustainable Product Returns and Recovery Practices in Indian Textile Industries	Operations Management and Data Analytics Modelling	CRC Press	0	85- 90
60.	Dr. M. L. Meena	Association of individual and device usage factors with musculoskeletal disorders amongst handheld devices users during homestay due to pandemic	International Journal of Workplace Health Management	Emerald	0	1
61.	Dr. M. L. Meena	Bibliometric analysis of machining of titanium alloy research	Materials Today Proceedings	Elsevier	44	4031 - 4038
62.	Dr. Amar Patnaik	Bioceramic composites for orthopaedic applications: A comprehensive review of mechanical, biological, and microstructural properties	Ceramics International	Elsevier	47(3)	3013 - 3030
63.	Dr. Anoj Meena	Biomaterials for dental composite applications: A comprehensive review of physical, chemical, mechanical, thermal, tribological, and biological properties	polymers advanced technologies	Wiley	0	Jan- 20
64.	Prof. Jyotirmay Mathur	Calibrated simulation study for efficient sizing and operating strategies for the thermal storage integrated air conditioning system	Sustainable Energy	Taylor & Francis	40	389- 411
65.	Dr. M. L. Meena	Causal relationship among critical factors for cellular manufacturing	International Journal of Business and Systems Research	Inderscien ce Publishing	16	277- 301



		system using DEMATEL approach				
66.	Dr. M. L. Meena	Cenosphere powder filled basalt fiber reinforced epoxy composite: Physical, mechanical, and thermal conductivity analysis	Materials Today: Proceedings	Elsevier	44	4984 - 4989
67.	Dr. Amar Patnaik	Characterization and Optimization of Slurry Erosion Behavior of SS 316 at Room Temperature	Transactions of the Indian Institute of Metals	Springer	74(4)	839- 849
68.	Dr. Harlal Singh Mali	Clubfoot: Review on Assessment, Treatment, Challenges, and Engineering Aspects	JPO: Journal of Prosthetics and Orthotics	LWW	34	114- 130
69.	Dr. M. L. Meena	Comparative analysis of resistance spot welded and weld bonded joint of al 6082-T651	Materials Today: Proceedings	Elsevier	44	4079 - 4085
70.	Dr. Anoj Meena	Comparative investigation of tribological behavior of hybrid dental restorative composite materials	ceramics international	Elsevier	48	6698 - 6706
71.	Dr. Anoj Meena	Comparative study of thermo-mechanical and thermogravimetric characterization of hybrid dental restorative composite materials	Proc. Inst. Mech. Eng. E	SAGE	0	0-00
72.	Prof. A. P. S. Rathore	Comparison Between Centrality Measures for a Network Based on Cascading Nature of Nodes	Proceedings of 6th International Conference on Recent Trends in Computing	Springer, Singapore	177	01- Jul



73.	Dr. Rajeev Agrawal	Deep learning for manufacturing sustainability: Models, applications in Industry 4.0 and implications	International Journal of Information Management Data insights	Elsevier	2	1001
74.	Dr. Ram Dayal	Deployment of vapour chambers for electronic heat dissipation: state-of- the-art	Proc I MechE Part C: J Mechanical Engineering Science	SAGE	0	Jan- 25
75.	Dr. Jinesh Kumar Jain	Design and comprehensive study of biodegradable Zinc-based implants for bio-medical applications	Advances in Materials and Processing Technologies (ESCI)	Taylor & Francis	7(2)	Jan- 18
76.	Dr. Amar Patnaik	Design and development of 3D printed measuring cups for household applications	Materials Today: Proceedings	Elsevier	44	4692 - 4702
77.	Dr. Harlal Singh Mali	Design and fabrication of a low-cost one-way abrasive flow finishing set-up using 3D printed parts	Materials Today: Proceedings	Elsevier	62	7554 - 7563
78.	Dr. Harlal Singh Mali	Design and modeling of abrasive flow finishing of freeform surfaces of FDM printed femoral component of knee implant pattern	International Journal on Interactive Design and Manufacturing (IJIDeM)	Springer	16	
79.	Prof. Himanshu Chaudhary	Design of a Stephenson III six-bar path generating mechanism for index finger rehabilitation device using nature- inspired algorithms	Neural Computing and Applications	Springer London	33(24)	1731 5- 1732
80.	Prof. Himanshu Chaudhary	Design of four-bar mechanism for vibratory tillage cultivator using	International Journal of Environment and	Inderscien ce Publishing	21(1-2)	Apr- 20



		five precision position method for path generation problem	Sustainable Development			
81.	Dr. M. L. Meena	Design, development and performance analysis of modified solid fertiliser spreader equipped with air blower	International Journal of Environment and Sustainable Development	Inderscien ce	20(3-4)	264- 278
82.	Dr. Rajeev Agrawal	Developing a Sustainability Framework for Industry 4.0	Procedia CIRP (Scopus)	Elsevier	98	430- 435
83.	Prof. Himanshu Chaudhary	Development of a mechanism for seed cum fertilizer drill	Materials Today: Proceedings	Elsevier	47	3210 - 3216
84.	Dr. Harlal Singh Mali	Development of Centreless Electric Discharge Grinding Machining Process and Optimization of Process Parameters	Recent Patents on Engineering	Bentham Science Publishers	15	46- 62
85.	Prof. A. P. S. Rathore	Development of maturity model for assessing the implementation of Industry 4.0: learning from theory and practice	Production Planning & Control	Taylor & Francis	32	603- 622
86.	Dr. M. L. Meena	Development of Structural Framework for Sustainable Healthcare Supply chain to achieve Circular Economy	SSRN	SSRN	0	1
87.	Prof. Dilip Sharma	Dissemination of Sustainable Cooking: A Detailed Review on Solar Cooking System	IOP Conference Series Materials Science and Engineering	Internatio nal Scientific Forum	1127	1201
88.	Dr. M. L. Meena	Dissimilar Metal Welds Used in AUSC Power	IOP Conference Series: Materials	IOP Publishing	1017	1202 2



		Plant, Fabrication and Structural Integrity Issues	Science and Engineering			
89.	Dr. Harlal Singh Mali	Dynamic mechanical behaviour of kevlar and carbon-kevlar hybrid fibre reinforced polymer composites	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	Sage	235	4181 - 4193
90.	Dr. Gunjan Soni	Editorial: Operational excellence in the supply chain of perishables at the time of the outbreak	The International Journal of Logistics Management	Emerald	33	
91.	Dr. Anoj Meena	Effect of alumina particulate and E-glass fiber reinforced epoxy composite on erosion wear behavior using Taguchi orthogonal array	Tribology International	Science Direct	107860	0042 3-7
92.	Dr. M. L. Meena	Effect of fabricated V-rib roughness experimentally investigated in a rectangular channel of solar air heater: a comprehensive review	Environmental Science and Pollution Research	Springer	28(4)	4019 - 4055
93.	Dr. Jinesh Kumar Jain	Effect of filler wire preheating and nozzle cooling with advanced submerged arc welding process on bead geometry and microstructure	Advances in Materials and Processing Technologies (ESCI)	Taylor & Francis	7(2)	Jan- 15
94,	Dr. Mukesh Kumar	Effect of Graphite Particulates on Sliding Wear Performance of Hybrid AA2024 Alloy Composites	Journal of Materials Engineering and Performance	Springer	30	3976 –3 98
95.	Dr. M. L. Meena	Effect of Handle Orientation on Two- Handed Push Strength in	Recent Advances in Industrial Production	Springer	0	189- 195



		Unorganized Sector Workers				
96.	Dr. Amar Patnaik	Effect of HVOF coatings on abrasive wear behaviour of martensitic stainless steel	International Journal of Materials Engineering Innovation	Inderscien ce	13(3)	238- 256
97.	Dr. Amar Patnaik	Effect of micro-sized marble dust on mechanical and thermo-mechanical properties of needle-punched nonwoven jute fiber reinforced polymer composites	Polymer Composites	Wiley	42(2)	881- 898
98.	Dr. M. L. Meena	Effect of physical activity intervention on the musculoskeletal health of university student computer users during homestay	International Journal of Occupational Safety and Ergonomics	Taylor &Francis	0	01- Jun
99.	Dr. Nikhil Sharma	Effect of relative humidity on water injection technique in downsized spark ignition engines	International Journal of Engine Research	Sage	(7), 21	22
100.	Dr. Manish Kumar	Effect of uniaxial stress on energy harvesting, storage and electrocaloric performance of BZT ceramics	Journal of the Korean Ceramic Society	Springer	58	437â €"44 4
101.	Dr. M. L. Meena	Effect of work experience and upper-limb muscle activity on grip strength of manual workers	International Journal of Occupational Safety and Ergonomics	Taylor & Francis	0	01- Jun
102.	Prof. Dilip Sharma	Energy and exergy analysis of pebble bed thermal energy storage	Thermal Science	VINCA Institute of Nuclear Sciences	0	72- 72



		system for diesel engine exhaust.				
103.	Prof. Jyotirmay Mathur	Energy performance of window integrated photovoltaic system in actual operating condition	Soalr Energy	Elsevier Science	224	480 - 490
104.	Prof. Dilip Sharma	Energy, exergy, environmental impact, and economic analyses of evacuated tube compound parabolic concentrator— powered solar thermal domestic water heating system	Environmental Science and Pollution Research	Springer	29	Jan- 21
105.	Prof. G. S. Dangayach	Enhancement of quality of polypropylene by optimisation of injection moulding parameters with genetic algorithm	International Journal of Environment and Sustainable Development	Inderscien ce	21(1-2)	206- 217
106.	Dr. Rajeev Agrawal	Environmental Impacts Assessment During Sand Casting of Aluminium LM04 Product: A Case of Indian Manufacturing Industry	Procedia CIRP (Scopus)	Elsevier	98	181- 186
107.	Dr. M. L. Meena	Ergonomic Analysis of Manual Activities Among Dairy Farm Workers: A Literature Review	Ergonomics for Design and Innovation	Springer	0	661- 673
108.	Dr. M. L. Meena	Ergonomic assessment and hand tool redesign for the small scale furniture industry	Materials Today: Proceedings	Elsevier	44	4952 - 4955
109.	Dr. M. L. Meena	Ergonomic Assessment of Work-Related Musculoskeletal Disorders and Comfort of	Ergonomics for Improved Productivity	Springer	56	417- 423



		Students in Mechanical Workshop				
110.	Dr. M. L. Meena	Ergonomic Evaluation and Work Table Design for Wood Furniture Manufacturing Industry	Ergonomics for Improved Productivity	Springer	56	383- 390
111.	Dr. M. L. Meena	Ergonomic Interventions in Maintaining Postural Stability in Pregnant Women at Their Workplaces	Recent Advances in Industrial Production	Springer	0	205- 215
112.	Dr. Gunjan Soni	Evaluating approaches using the Grey-TOPSIS for sustainable supply chain collaboration under risk and uncertainty	Benchmarking An International Journal	Emerald	0	
113.	Dr. Amar Patnaik	Experimental and Numerical Analysis of Mechanical, Thermal and Thermomechanical Properties of Hybrid Glass/Metal Fiber Reinforced Epoxy Composites	Fibers and Polymers	Springer	23	1342 - 1365
114.	Dr. Harlal Singh Mali	Experimental and numerical investigation of compressive mechanical behaviour on woven carbon-Kevlar hybrid composites	International Journal of Precision Technology	Inderscien ce Publishers IEL	10	23- 39
115.	Dr. Amar Patnaik	Experimental and numerical investigation of mechanical and erosion behavior of barium sulphate filled glass fiber reinforced polymer composites	Polymer Composites	Wiley	42(2)	753- 773



116.	Dr. Amar Patnaik	Experimental and numerical investigation on slurry erosion performance of hybrid glass/steel fiber reinforced polymer composites for marine applications	Polymer Composites	Wiley	43(8)	5592 - 5610
117.	Prof. G. D. Agarwal	Experimental investigation and optimizing the parameters of a solar air heater broken arc shaped ribs using hybrid Entropy-VIKOR technique	journal of solar energy engineering	ASME	11	9
118.	Dr. Harlal Singh Mali	Experimental investigation of an innovative viscometer for measuring the viscosity of Ferrofluid	Materials Today: Proceedings	Elsevier	50	2037 - 2043
119.	Dr. Harlal Singh Mali	Experimental investigation on abrasive flow Machining (AFM) of FDM printed hollow truncated cone parts	Materials Today: Proceedings	Elsevier	-	-
120.	Dr. Harlal Singh Mali	Experimental investigation on magnetorheological finishing process parameters	Materials Today: Proceedings	Elsevier	48	1892 - 1898
121.	Dr. Nikhil Sharma	Experimental investigations of mineral diesel/methanol-fueled reactivity controlled compression ignition engine operated at variable engine loads and premixed ratios	International Journal of Engine Research	Sage	(7), 21	375- 2389



122.	Prof. Dilip Sharma	Experimental studies on combustion duration and ignition delay period for a newly Synthesized gomutra emulsified Diesel	Int. J. Environment and Sustainable Development	Inderscien ce	20	216- 231
123.	Prof. Jyotirmay Mathur	Exploring the advantages of photo-voltaic triple skin façade in hot summer conditions	Solar Energy	Elsevier	217	317
124.	Dr. Anoj Meena	Fabrication and characterization of micro alumina zirconia particulate filled dental restorative composite materials	Polymer Composites	Wiley	26473	01- Oct
125.	Prof. Dilip Sharma	Feasibility assessment of a newly prepared cow- urine emulsified diesel fuel for CI engine application	Fuel	Elsevier	288	60- 71
126.	Dr. Gunjan Soni	Global Food Security Post COVID-19: Dearth or Dwell in the Developing World?	Agronomy Journal	Wiley	114	878- 884
127.	Dr. Gunjan Soni	Grey-based decision- making approach for the selection of distributor in a supply chain	International Journal of Intelligent Enterprise	Inderscien ce	9	207- 225
128.	Dr. Harlal Singh Mali	High entropy alloy synthesis, characterisation, manufacturing & potential applications: a review	Materials and Manufacturing Processes	Taylor & Francis	-	-
129.	Dr. Anoj Meena	HIGH ENTROPY ALLOY SYNTHESIS,CHARACT	Materials and manufacturing processes	Taylor & Francis	2006223	0-00



		ERISATION,MANUFA CTURING & POTENTIAL APPLICATIONS:a review				
130.	Dr. Gulab Pamnani	Human Error Identification and Risk Prioritization in LPG Unloading Operation	International Journal of Occupational Safety and Ergonomics	Taylor & Francis	NA	Jan- 52
131.	Prof. A. P. S. Rathore	Identification and prioritisation of challenges to Industry 4.0 adoption in the Indian manufacturing industry	International Journal of Business Excellence	Inderscien ce Publishers IEL	24	248- 274
132.	Dr. M. L. Meena	Identification of Challenges & Practices of Sustainability in Indian Apparel and Textile Industries	Recent Advances in Industrial Production	Springer	0	149- 156
133.	Prof. A. P. S. Rathore	Identifying and prioritising the futuristic attributes of a car in the Industry 4.0 era	International journal of business innovation and research	Inderscien ce Enterprise s	24	297- 313
134.	Prof. Dilip Sharma	Impact assessment of acetylene fueling on the performance, emissions, and combustion of a spark-ignition engine	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Taylor & Francis	1991051	Jan- 25
135.	Dr. Gunjan Soni	Impact of agri-fresh food supply chain quality practices on organizational sustainability	Operations Management Research	Springer	14	03- Apr
136.	Dr. Jinesh Kumar Jain	Implementation of tool and electrolyte based development in the ultrasonic assisted ECDM process	Journal of Brazilian Society of Mechanical Sciences and Engineering (SCI)	Springer	44 (6)	Jan- 22



137.	Dr. Harlal Singh Mali	Improving the surface characteristics of additively manufactured parts: A review	Materials Today: Proceedings	Elsevier	46	-
138.	Dr. Rajeev Agrawal	Industry 4.0 Technologies for Manufacturing Sustainability: A Systematic Review and Future Research Directions /DOI: https://doi.org/10.3390/ap p11125725	Applied Sciences, (SCI), Impact Factor: 2.679	MDPI	11	5725
139.	Prof. G. D. Agarwal	Influence of broken arc shaped ribs on the performance of solar air duct- An experimental report	International Journal Of Ambient Energy	Taylor & Francis	11	9
140.	Dr. Amar Patnaik	Influence of deposition parameters on Tribological Performance of HVOF Coating: A review	Material Science and Engineering	IOP	1017	1201 5
141.	Dr. Jinesh Kumar Jain	Influence of friction stir process on the MIG cladded AA 6063 to study the wear performance	International Journal on Interactive Design and Manufacturing (IJIDeM)	Springer	2022	
142.	Dr. Jinesh Kumar Jain	Influence of ultrasonic vibration assistance in manufacturing processes: A Review	Materials and Manufacturing Processes (SCIE)	Taylor & Francis	36(13)	1451 - 1475
143.	Dr. Gunjan Soni	INTEGRATED PRODUCTION- DISTRIBUTION PLANNING OPTIMIZATION USING NEUTROSOPHIC PROGRAMMING	International Journal of Industrial Engineering	EBSCO	29	174- 191



144.	Dr. Gunjan Soni	Intelligent Valve Fault Diagnosis Approach for Reciprocating Compressor Based on Acoustic Signals	Reliability: Theory & Applications	Cyberleni nka	16	35- 47
145.	Dr. Amar Patnaik	Investigate the reduction of mill scale with low grade coal through solid gas reactor	Materials Today: Proceedings	Elsevier	44	4801 - 4808
146.	Dr. Gunjan Soni	Investigating barriers to circular supply chain in the textile industry from Stakeholders' perspective	International Journal of Logistics Research and Applications	Taylor & Francis	25	521- 548
147.	Dr. Jinesh Kumar Jain	Investigation of annealing on CR-2 grade steel using Taguchi and Taguchi based gray relational analysis	Advances in Materials and Processing Technologies (ESCI)	Taylor &Francis	-	16
148.	Dr. Rajeev Agrawal	Investigation of environmental potentials on supply chain of textile and yarn industry using smart and sustainable life cycle assessment	Management of Environmental quality	Emerald	0	
149.	Dr. M. L. Meena	Investigation of the influence of wire preheating current on dilution and angular distortion on thick plate of ASTM A709-Gr 36 steel	Welding International	Taylor & Francis	35	127- 137
150.	Dr. Mukesh Kumar	Investigation on mechanical and tribological characterization of Gr filled AA7075 alloy composite using Taguchi method	Materials Today: Proceedings	Elsevier	46	6534 - 6540



151.	Dr. Mukesh Kumar	Investigations on Mechanical and Sliding wear performance of AA7075 Ë— SiC/Marble dust/Graphite hybrid alloy composites using Hybrid ENTROPY - VIKOR method	SILICON	Springer	In press	Jan- 35
152.	Dr. M. L. Meena	Isometric Push/Pull Strength of Indian Male Participants at Three Handle Heights	Ergonomics for Improved Productivity	Springer	56	287- 293
153.	Prof. Jyotirmay Mathur	Jyotirmay Mathur Corrigendum to "Overview of current compressed air energy storage projects and analysis of the potential underground storage capacity in India and the UKâ€[Renew. Sustain	Renewable and Sustainable Energy Reviews	Elsevier	139	1107 05
154.	Dr. M. L. Meena	Key criteria influencing cellular manufacturing system: a fuzzy AHP model	Journal of Business Economics	Springer	92	65- 84
155.	Dr. Gunjan Soni	Lassoing the bullwhip effect by applying blockchain to supply chains	Journal of Global Operations and Strategic Sourcing	Emerald	15	96 - 114
156.	Dr. M. L. Meena	Lean Six Sigma implementation in an Indian manufacturing organisation: a case study	International Journal of Six Sigma and Competitive Advantage	Inderscien ce	13	76- 100
157.	Dr. Rajeev Agrawal	Life Cycle Assessment and Life Cycle Energy Analysis of Buildings: A Review	Journal of Manufacturing Technology and Research	JMTR	14	11



158.	Prof. Dilip Sharma	Low-cost novel designed receiver heat exchanger for household solarized cooking system: development and operationalization	Materials Today: Proceedings	Elsevier	47	494
159.	Dr. Rajeev Agrawal	Machine Learning Applications for Sustainable Manufacturing: A Bibliometric-Based Review for Future Research	Journal of Enterprise Information Management, (SSCI), Impact Factor: 5.396	Emerald	35	566- 596
160.	Dr. Gunjan Soni	Machine Learning-Based Abnormality Detection Approach for Vacuum Pump Assembly Line	Reliability: Theory & Applications	Cyberleni nka	16	176- 187
161.	Dr. Anoj Meena	Machine vision for the measurement of machining parameters: A review	Materials Today: Proceedings	Elsevier	56(4)	1939 - 1946
162.	Dr. Nikhil Sharma	Macroscopic spray characteristics of a gasohol fueled GDI injector and impact on engine combustion and particulate morphology	Fuel	Elsevier	295, 12046	1204 61
163.	Dr. Gunjan Soni	Maintenance strategy selection: a comprehensive review of current paradigms and solution approaches	International Journal of Quality & Reliability Management	Emerald	39	675- 703
164.	Dr. Harlal Singh Mali	Material independent effectiveness of workpiece vibration in Î ¹ / ₄ -EDM drilling	Journal of Materials Research and Technology	Elsevier	18	531- 546



165.	Dr. Harlal Singh Mali	Materials and design for drogue detection in air-to-air refueling	Materials Today Proceedings	Elsevier	44	4503 - 4508
166.	Dr. Anoj Meena	Mechanical and two-body wear characterization of micro-nano ceramic particulate reinforced dental restorative composite materials	Polymer Composites	Wiley	0	Jan- 16
167.	Dr. Harlal Singh Mali	Mechanical behavior and fracture toughness characterization of high strength fiber reinforced polymer textile composites	Iranian Polymer Journal	Springer	30	193- 233
168.	Dr. Amar Patnaik	Mechanical physical and wear properties of some oxide ceramics for hip joint application: A short review	Materials Today: Proceedings	Elsevier	44	4913 - 4918
169.	Dr. Amar Patnaik	Mechanical, thermal and thermomechanical properties of sponge iron slag filled needle- punched nonwoven jute epoxy hybrid composites	Fiber and Polymer	Springer	22(4)	1082 - 1098
170.	Dr. Anup Malik	Metallic Implants and their Surface Modification using Electric Discharge Machining: A Review	International Journal of Materials Engineering Innovation	Inderscien ce	12	276- 309
171.	Dr. Nikhil Sharma	Microscopic spray characteristics of ethanol and methanol blended gasoline in a direct injection spark ignition engine	International Journal of Engine Research	SAJE	1	1



172.	Dr. M. L. Meena	Modeling and Analysis of Sustainability Practices in Indian Apparel Industries Using Fuzzy Analytic Hierarchy Process (FAHP)	Advances in Mechanical and Materials Technology	Springer	0	599- 605
173.	Dr. Pankaj Kumar Gupta	Modeling and Simulation of Electrochemical Discharge Machining for Fabrication of Micro- Channel on Glass	Arabian Journal for Science and Engineering	Springer	-	-
174.	Dr. Rajeev Agrawal	Modeling Barriers in Circular Economy Using TOPSIS: Perspective of Environmental Sustainability & Blockchain-IoT Technology	International Journal of Mathematical Engineering and Management Sciences (ESCI)	Internatio nal Journal of Mathemati cal Engineeri ng and Managem ent Sciences	0	12
175.	Dr. Gunjan Soni	Modeling Multi-Plant Capacitated Lot Sizing Problem with Interplant Transfer	International Journal of Mathematical, Engineering and Management Sciences	IJMEMS	6	961- 974
176.	Dr. Gunjan Soni	Modelling and analysis of the critical success factors in the fresh food processing supply chain	International Journal of Logistics Systems and Management	Inderscien ce	43	48- 65
177.	Dr. Gunjan Soni	Modelling supply chain viability during COVID-19 disruption: A case of an Indian automobile manufacturing supply chain	Operations Management Research	Springer	0	Jan- 17
178.	Dr. Nikhil Sharma	Morphological characterization of soot from a compression ignition engine fueled	International Journal of Engine Research	SAGE	0	



		with diesel and an oxygenated fuel				
179.	Dr. M. L. Meena	Musculoskeletal health problems and relationship of risk factors among manual Clay Brick Sector Workers	International Journal of Business and Systems Research	Inderscien ce	15(1)	112- 123
180.	Dr. Harlal Singh Mali	Numerical investigation of heat transfer in structured rough microchannels subjected to pulsed flow	Applied Thermal Engineering	Pergamon	-	1173 61
181.	Dr. Harlal Singh Mali	Numerical modeling of fiber reinforced polymer textile composites for characterizing the mechanical behavior – a review	Materials Science and Engineering Technology	Wiley	53	1263 - 1289
182.	Dr. Amar Patnaik	Optimal Design of Ceramic Based Hip Implant Composites Using Hybrid AHP- MOORA Approach	Materials	MDPI	15(11)	3800
183.	Dr. M. L. Meena	Optimization of Abrasive Wear Behaviour of Cenosphere Filled Basalt- Epoxy Composites Using Taguchi Approach	IOP Conference Series: Materials Science and Engineering	IOP Publishing	1017	Dec- 14
184.	Dr. Anup Malik	Optimization of laser- assisted jet electrochemical machining parameters by grey relational analysis and fuzzy logic	World Journal of Engineering	Emerald	18	01- Aug
185.	Dr. Mukesh Kumar	Optimization of sliding and mechanical performance Ti/NI metal powder particulate	Materials Today: Proceedings	Elsevier	44	4784 - 4788



		reinforced Al 6061 alloy composite using preference selection index method				
186.	Dr. Amar Patnaik	Optimization of solid particle erosion behaviour of waste marble dust filled glass fiber polymer composite using Taguchi approach	Materials Today: Proceedings	Elsevier	44	4908 - 4912
187.	Dr. M. L. Meena	Optimization of waste fly ash powder filled glass fiber reinforced epoxy composite by hybrid AHP-TOPSIS approach	Materials Today: Proceedings	Elsevier	44	4789 - 4794
188.	Prof. Himanshu Chaudhary	Optimum discrete balancing of the threshing drum using Jaya algorithm	Mechanics Based Design of Structures and Machines	Taylor and Francis	50(1)	100- 114
189.	Prof. Jyotirmay Mathur	Parametric analysis of factors affecting thermal performance of photovoltaic triple skin façade system (PV- TSF)	Journal of Building Engineering	Elsevier Science	40	1023 44
190.	Dr. Amar Patnaik	Parametric investigation and optimization for CO2laser cladding of AlFeCoCrNiCu powder on AISI 316	High Temperature Materials and Processes	De Gruyter	40(1)	265- 280
191.	Dr. M. L. Meena	Participatory Approach for Ergonomics Intervention: A Review	Advanced Manufacturing Systems and Innovative Product Design	Springer	0	69
192.	Dr. Nikhil Sharma	Particulate Emission Reduction by Fuel Injection Timing	Journal of Energy Resources Technology	ASME	144	3



		Optimization in a Gasoline Direct Injection Engine				
193.	Dr. M. L. Meena	Physiological Evaluation of Normal and Inclined Walking in Unorganized Sector Workers	Recent Innovations in Mechanical Engineering	Springer	0	231- 236
194.	Dr. Amar Patnaik	Polymer green composites reinforced with natural fibers: A comparative study	Materials Today: Proceedings	Elsevier	44	4767 - 4769
195.	Dr. Amar Patnaik	Prediction of thermal and thermo-mechanical behavior of nano-zirconia reinforced aluminium matrix composites	Materialwissenschaft und Werkstofftechnik	Wiley	53	Jan- 14
196.	Dr. M. L. Meena	Prevalence of Musculoskeletal Disorders Among the Agricultural Workers: A Review	Ergonomics for Design and Innovation	Springer	0	439- 446
197.	Dr. Rajeev Agrawal	Prioritizing Drivers to Creating Traceability in the Food Supply Chain	Procedia CIRP (Scopus)	Elsevier	98	690- 695
198.	Dr. Harlal Singh Mali	Pulsed-flow microchannel heat sink: Simulation and experimental validation	Journal of Micromanufacturing	SAGE	5	29- 35
199.	Dr. Harlal Singh Mali	Pulsed-flow microchannel heat sink: Simulation and experimental validation. Journal of Micromanufacturing	Journal of manufacturing	Sage	-	-
200.	Dr. M. L. Meena	Recent Advancement in Human Computer	Productivity with Health, Safety, and Environment	Springer	0	113- 120



		Interface and Ergonomic Design: A Review				
201.	Dr. M. L. Meena	Recent progress of scientific research on life cycle assessment	Materials Today: Proceedings	Elsevier	47	3161 - 3170
202.	Dr. Amar Patnaik	Review on erosion wear characteristic of natural fiber reinforced polymer composite	Materials Today: Proceedings	Elsevier	44	4795 - 4800
203.	Dr. Rajeev Agrawal	Review on Multi-Criteria Decision Analysis in Sustainable Manufacturing Decision Making	International Journal of Sustainable Engineering (ESCI)	Taylor & Francis	14	202- 225
204.	Dr. M. L. Meena	Risk factors of musculoskeletal symptoms among mobile device users during work from home	International Journal of Occupational Safety and Ergonomics	Taylor & Francis	0	01- Jul
205.	Dr. M. L. Meena	Role of Micro Factors on Microstructure and on the Tribological Performance of HVOF Coatings: A Review	IOP Conference Series: Materials Science and Engineering	IOP Publishing	1017	12- Oct
206.	Dr. Amar Patnaik	Role of micro-factors on microstructure and on the tribological performance of HVOF coatings: A review	Material Science and Engineering	IOP	1017	1201
207.	Prof. Dilip Sharma	Selection of phase change materials for thermal energy storage integrated with a solar powered vapour absorption system	Int. J. Environment and Sustainable Development	Inderscien ce	20	279- 300
208.	Dr. Naresh Kumar Raghuwanshi	Sensitive Sub-Band Selection Criteria for Empirical Wavelet Transform to Detect	Journal of Vibration Engineering & Technologies	Springer	9	1603 - 1617



		Bearing Fault Based on Vibration Signals				
209.	Dr. Gunjan Soni	SimEvents-based discrete-event simulation modelling and performance analysis for dynamic job-shop manufacturing system	International Journal of Advanced Operations Management	Inderscien ce	13	167- 183
210.	Dr. Manish Kumar	Solar air heater with rotating circular ribs: Hybrid CFD-ANN approach for prediction of thermo-hydraulic performance	Energy Reports	Elsevier	8	145- 150
211.	Dr. Mukesh Kumar	Solid Particle Erosion Of Aluminium Nitride Thin Film Deposited By Radio Frequency Magnetron Sputtering Technique On AA6061	Materials Today: Proceedings	Elsevier	46	6673 - 6677
212.	Prof. Dilip Sharma	Study on some aspects of adoption of Solar Cooking System: A review	Materials Today: Proceedings	Elsevier	47	2994 - 3000
213.	Dr. Amar Patnaik	Study the kinetics involved in solid state reduction of mill scale with lean grade coal and optimization of process parameters involved in reduction through rotary kiln furnace	Materials Today: Proceedings	Elsevier	44	5004 - 5011
214.	Dr. Amar Patnaik	Study the reduction of mill scale with lean grade coal through RI-RDI	Material Science and Engineering	IOP	1017	1203 7
215.	Dr. Rajeev Agrawal	Supply Chain Resilience and its Key Performance Indicators: An Evaluation	Management of Environmental quality	emerald	1	11



		Under Industry 4.0 and Sustainability Perspective				
216.	Dr. Harlal Singh Mali	Surface characteristics improvement methods for metal additively manufactured parts: a review	Advances in Materials and Processing Technologies	Taylor and Francis	0	Jan- 40
217.	Dr. Anoj Meena	Surface Characteristics Measurement Using Computer Vision: A Review	Computer Modeling in Engineering & Sciences	Tech Science Press	135	917- 1005
218.	Prof. G. S. Dangayach	Sustainability of textile waste-water management by using an integrated fuzzy AHP-TOPSIS method: a case study	International Journal of Environment and Sustainable Development	Inderscien ce	20(2)	105- 128
219.	Dr. Pankaj Kumar Gupta	Synthesis and chemical resistance of aluminum oxide and silicon carbide (1:1) filled Bi-Directional woven E- glass fiber reinforcement epoxy polymer composites	Materials Today: Proceedings	Elsevier	DOI 10,101	-
220.	Dr. Gunjan Soni	Technological interventions in social business: Mapping current research and establishing future research agenda	Technological Forecasting and Social Change	Elsevier	169	00-
221.	Dr. M. L. Meena	The effect of elastic modulus of adhesive on stress-distribution in weld bonded joint of Al 6082- T6 sheets	Materials Today: Proceedings	Elsevier	44	1999 - 2004
222.	Dr. Naresh Kumar Raghuwanshi	The State of Art Review on Prosthetic Feet and Its Significance to Imitate	Materials Today: Proceedings	Elsevier	62	6364 - 6370



		the Biomechanics of Human Ankle-Foot				
223.	Dr. Amar Patnaik	Thermal and Sliding Wear Properties of Wood Waste-Filled Poly (Lactic Acid) Biocomposites	Polymers	Multidisci plinary Digital Publishing Institute	14(11)	2230
224.	Dr. Manish Kumar	Thermal performance evaluation of a solar air heater with rotating turbulators.	Sustainable Energy Technologies and Assessments	Elsevier	48	1016 47
225.	Dr. Amar Patnaik	Thermo-mechanical characterization of nonwoven fabric reinforced polymer composites	Materials Today: Proceedings	Elsevier	44	
226.	Dr. Manish Kumar	Thermo-mechanical energy harvesting and storage analysis in 0.6BZT-0.4BCT ceramics.	The European Physical Journal Applied Physics	European Physical Journal	95	2090
227.	Dr. Nikhil Sharma	Time-Resolved Endoscopic Evaluation of Spatial Temperature and Soot Distribution in a Butanol-Diesel Blend Fueled Direct Injection Compression Ignition Engine	Journal of Energy Resources Technology	ASME	144	144 2
228.	Prof. Jyotirmay Mathur	Towards implementing an indoor environmental quality standard in buildings: A pilot study	Building Services Engineering Research and Technology	SAJE	42	Jan- 35
229.	Prof. Rakesh Jain	Transforming product development and production to be lean for improving business performance	Benchmarking An International Journal	Emerald	29	



230.	Dr. Amar Patnaik	Tribo-behaviour of biomaterials for hip arthroplasty	Materials Today: Proceedings	Elsevier	44	4809 - 4815
231.	Dr. Mukesh Kumar	Tribo-behaviour of nano- structured coatings deposited by various techniques: A review, Materials Today: Proceedings	Materials Today: Proceedings	Elsevier	44	4097 - 4101
232.	Dr. Amar Patnaik	Tribological behavior of zinc oxide-hydroxyapatite particulates filled dental restorative composite materials	Polymer Composites	Wiley	43(5)	3029 - 3040
233.	Dr. Rajeev Agrawal	Two Decades of Research Trends and Transformations in Manufacturing Sustainability: A Systematic Literature Review and Future Research Agenda	Production Engineering (ESCI)	Springer	16	109-
234.	Dr. Harlal Singh Mali	Understanding the mechanism of abrasive-based finishing processes using mathematical modeling and numerical simulation	Metals	MDPI	12	1328
235.	Dr. Amar Patnaik	Utilization of Waste Marble Dust in Poly (Lactic Acid)-Based Biocomposites: Mechanical, Thermal and Wear Properties	Journal of Polymers and the Environment	Springer	29(9)	2952 - 2963
236.	Dr. Dinesh Kumar	Vibration analysis of functionally graded stiffened shallow shells under thermo-mechanical loading	Materials Today: Proceedings	Elsevier	44	4590 - 4595



		T I				
237.	Dr. M. L. Meena	Waste Fly Ash Powder	Fibers and Polymers	The	22(4)	1120
		Filled Glass Fiber		Korean		-
		Reinforced Epoxy		Fiber		1136
		Composite: Physical,		Society		
		Mechancial, Thermo-				
		mechanical, and Three-				
		body Abrasive Wear				
		Analysis				
238.	Dr. Harlal Singh	Workpiece Dependency	Arabian Journal for	Springer	-	Jan-
	Mali	Exploration &	Science and			15
		Probabilistic	Engineering			
		Nonparametric Modelling				
		of Vibration-Assisted				
		Hybrid Micro-EDM				
		Process				



Research Papers Published in National Journals

List of Papers Presented at International Conferences

S. No.	Faculty Name	Authors	Paper Title	Conference Name	Organized By Name	Place
1.	Dr. Gunjan Soni	Amitkumar Patil, Gunjan Soni and Anuj Prakash	A BMFO-KNN Based Intelligent Fault Detection Approach for Reciprocating Compressor	Intelligent Computing Techniques for Smart Energy Systems-2021	Springer	Jaipur, India
2.	Dr. Gulab Pamnani	Zaid Javed, Himanshu Chaudhary, Gulab Pamnani	Fatigue Analysis of Rotary Tiller Blade for Different Soil Conditons	International Conference on Latest Trends in Civil, Mechanical and Electrical Engineering, LTCMEE	MANIT Bhopal	Bhopa 1
3.	Dr. Rajeev Agrawal	Patidar A, Sharma M, Agrawal R, Sangwan KS, Jamwal A, Gonçalves M	Sustainable Supply Chain Research and Key Enabling Technologies: A Systematic Literature Review and Future Research Implications/ DOI: https://doi.org/10.1 007/978-3-030- 78170-5 27	International Conference Innovation in Engineering ICIE- 2021	Springer	Univer sity of Minho , Portug al
4.	Dr. Rajeev Agrawal	Kakrla Manoj, Biswajit Kar, Rajeev Agrawal, Vijaya Kumar Manupati, Jose Machado	Cycle Time Reduction in CNC Turning Process Using Six Sigma Methodology- a Manufacturing Case Study/ DOI:https://doi.org /10.1007/978-3- 030-79165-0_13	International Conference Innovation in Engineering ICIE- 2021 (Scopus Indexed)	Springer	Italy
5.	Prof. G. D. Agarwal	Amol Dhande, G.D. Agrawal	A Thermodynamic Review of Recent Development on the Design of Solar Air Heaters	International Conference on Recent Advances in Engineering	GFGCOE	Jalgao n



				Science and Technology		
6.	Dr. Pankaj Kumar Gupta	Satendra Singh and Pankaj Kumar Gupta	Natural Fiber- Reinforced Polymer Composite: A Review	International Conference on Advanced Manufacturing and Materials Processing (CAMMP 2021)	Proceedings	MNIT Jaipur
7.	Dr. Pankaj Kumar Gupta	Mahaveer Prasad Sharma, Pankaj Kumar Gupta and Gaurav Kumar	A Review on Theories and Discharge Mechanisms in Electro-Chemical Discharge Machining	International Conference on Advanced Manufacturing and Materials Processing (CAMMP 2021)	Proceedings	MNIT Jaipur
8.	Dr. Nikhil Sharma	Nikhil Sharma, Jonas Sjoblom, Jelena Pezer, Kalyan Mitra, Ravi Kant Pathak	Formation of Secondary Organic Aerosols Downstream a Diesel Particulate Filter	EAC 2021	European Aerosol Conference	UK and Ireland Aeros ol Societ y at UK
9.	Dr. Rajeev Agrawal	Anbesh Jamwal, Rajeev Agrawal, Monica Sharma, Saurabh Pratap	Industry 4.0: An Indian Perspective/DOI: https://doi.org/10.1 007/978-3-030-85874-2_12	IFIP International Conference on Advances in Production Management Systems (Scopus Indexed)	Springer	France
10.	Dr. Rajeev Agrawal	Akshay Patidar, Monica Sharma, Rajeev Agrawal, Kuldip Singh Sangwan	A Smart Contracts and Tokenization Enabled Permissioned Blockchain Framework for the Food Supply Chain/ DOI:https://doi.org /10.1007/978-3- 030-85874-2 24	IFIP International Conference on Advances in Production Management Systems (Scopus Indexed)	Springer	France
11.	Dr. Pankaj Kumar Gupta	Satendra Singh, Pankaj Kumar Gupta	Investigations on Tensile and Flexural Properties of Wheat Straw	2nd International Conference on Industrial and Manufacturing	Advances in Materials and Processing	PUNJ AB ENGI NEER



12.	Prof. G. D.	Prabudh Morya,	Fiber Reinforced Polymer Composite Experimental	Systems (CIMS – 2021) International	Technologie s	ING COLL EGE, CHA NDIG ARH Delhi
	Agarwal	Ghanshyam Das Agrawal, and Rohit Misra	Investigation of Modified Staggered v-Ribs Type Artificially Roughened Solar Air Heater	Conference on Mechanical Engineering	Nature	
13.	Prof. G. D. Agarwal	Sandeep Shukla, Rohit Misra, G.D. Agrawal	Performance Comparison of Silica Gel and Natural Desiccant Material Based Evaporative Cooling System	International Conference on Mechanical Engineering	Springer Nature	Delhi
14.	Dr. Anoj Meena	HARLAL SINGH MALI, ABDUL WAHAB HASHMI,MANIS H JANGID, ANOJ MEENA	EXPERIMENTAL INVESTIGATION on AFF of FDM PRINTED PATTERN for EXTRUSION DIE INSERT	ALL INDIA MANUFACTURI NG TECHONOLOGY, DESIGN and RESEARCH CONFERENCE(A IMTDR-2021)	Springer	PSG COLL EGEO F TECH NOLO GY ,COI MBA TORE
15.	Dr. Anoj Meena	ABDUL WAHAB HASHMI, HARLAL SINGH MALI, ANOJ MEENA	DESIGN and FABRICATION of a LOW COST ONE -WAY ABRASIVE FLOW FINISHING SETUP USING 3D PRINTED PARTS	ADVANCEMENT and FUTURISTIC TRENDS in MECHANICAL and MATERIALS ENGINEERING	Materials Today Proceedings	IIT ROPA R
16.	Dr. Amit Arora	Arora A and Subbarao PMV	Performance Analysis of Streamwise Displacement of Toe-Out Type Vortex Generators in Conventional	9th International Conference on Advancements and Futuristic Trends in Mechanical and Materials	IIT ROPAR	IIT ROPA R



			Fin-and-Tube Heat Exchangers	Engineering (AFTMME)		
17.	Dr. Rajeev Agrawal	Kiran Gundu, Anbesh Jamwal, Rajeev Agrawal, Santosh Rane and Vikas Kumar Sangal	Opportunities of Digital Twin in Industry 4.0 for Sustainable Production	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
18.	Dr. Rajeev Agrawal	Gayatri Abhyankar, Santosh Rane, Rajeev Agrawal and Milind Kirkire	Modelling Barriers to Sustainable Supply Chain Management From Industry 4.0 Perspective	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
19.	Dr. Rajeev Agrawal	Pragati Sinha, Monica Sharma and Rajeev Agrawal	Investigating the Barriers in Reverse Supply Chain in Indian Apparel Industry – a Sustainability Perspective	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
20.	Dr. Naresh Kumar Raghuwans hi	Varun, Naresh K. Raghuwanshi and T.C. Gupta	Effect of Square Type Pitting Fault on Stiffness of Ball Bearing	International Conference on Advancements in Design and Tribology (ICADT-2021)	SVNIT Surat	SVNI T Surat
21.	Dr. Rajeev Agrawal	Santosh Rane, Sachit Nalaskar, Prathamesh Potdar and Rajeev Agrawal	Modelling Critical Barriers for Green Product Development Using TOPSIS	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
22.	Dr. Rajeev Agrawal	Namrata Rane, Aakankshya Sahoo, Subodh Shinde, Sheetal Verma and Rajeev Agrawal	Strategies to Manage Disaster Using Industry 4.0 Technologies	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
23.	Dr. Rajeev Agrawal	Divanshu Sharma, Anbesh Jamwal, Rajeev Agrawal,	Decision Making Models for Sustainable Supply	International Conference on Industrial	International Conference on Industrial	MNIT Jaipur



24.	Dr. Rajeev	Santosh Rane and Jinesh Kumar Jain Anbesh Jamwal,	Chain in Industry 4.0: Opportunities and Future Research Agenda A Strategic	Engineering and Management International	Engineering and Managemen t	MNIT
24.	Agrawal	Rajeev Agrawal and Monica Sharma	Roadmap for Sustainability in Industry 4.0 for SMEs	Conference on Industrial Engineering and Management	Conference on Industrial Engineering and Managemen	Jaipur
25.	Dr. Rajeev Agrawal	Naween Jha and Rajeev Agrawal	Additive Manufacturing as an Enabler for Industry 4.0 Practices: New Research Opportunities and Potentials	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
26.	Dr. Rajeev Agrawal	Erick Vasava Francis, Anbesh Jamwal, Rajeev Agrawal, Santosh Rane and Jinesh Kumar Jain	What We Know and What We Need to Know About Lean Six Sigma in Industry 4.0: A Review of Research Trends and Pertinent Issues	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
27.	Dr. Rajeev Agrawal	Akhilesh Mishra, Anbesh Jamwal, Rajeev Agrawal, Santosh Rane and Vikas Kumar Sangal	Role of Additive Manufacturing for Sustainability in Industry 4.0	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
28.	Dr. Rajeev Agrawal	Dhirendra Prajapati, Rajeev Agarwal, H. Chelladurai, Lakshay Lakshay and Saurabh Pratap	Develop a Framework for Sustainable Supply Chain Problem for Textile Industry: In B2B E-Commerce Platform	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
29.	Dr. Rajeev Agrawal	Rajendra Chaudhari, Santosh Rane, S. K.	Modeling Barriers in Circular Economy Using TOPSIS:	International Conference on Industrial	International Conference on Industrial Engineering	MNIT Jaipur



30.	Dr. Rajeev	Mahajan and Rajeev Agrawal Akshay Patidar,	Perspective of Environmental Sustainability & Industry 4.0 Technology Identification and	Engineering and Management International	and Managemen t	MNIT
	Agrawal	Monica Sharma, Rajeev Agrawal and Kuldip Singh Sangwan	Assessment of Food Waste Factors in Food Processing: A DEMATEL Approach	Conference on Industrial Engineering and Management	Conference on Industrial Engineering and Managemen t	Jaipur
31.	Dr. Amit Arora	Arora A and Subbarao PMV	Effect of Geometric Design of Longitudinal Vortex Generators on Thermal Augmentation in a Fin-and-Tube Heat Exchanger	26th National and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC)	IIT Madras	IIT Madra s
32.	Dr. Rajeev Agrawal	Rohit Sharma, Jinesh Kumar Jain, Tejendra Singh and Rajeev Agrawal	A Systematic Review on Mechanical Properties of Hybrid-Polymer Composites	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
33.	Dr. Rajeev Agrawal	Toshit Jain, Jinesh Jain and Rajeev Agrawal	Pollution Constituent Analysis in Textile Industry Using LCA	International Conference on Industrial Engineering and Management	International Conference on Industrial Engineering and Managemen t	MNIT Jaipur
34.	Dr. Dinesh Kumar	Deependra Singh Meena, D. Kumar, N. K. Raghuwanshi	Delamination Growth Analysis of Composite Laminates Under DCB, ENF, MMB Test Using Cohesive Zone Model Under Cyclic Loading	International Conference on Advancements in Design and Tribology (ICADT-2021)	SVNIT Surat	SVNI T Surat
35.	Dr. Dinesh Kumar	Abhilash, Dinesh Kumar, Gulab Pamnani	Multiscale Modeling and Analysis for the	International Conference on Advancements in	SVNIT Surat	SVNI T Surat



			Mechanical Responses of 8 HS Woven Nanocomposites	Design and Tribology (ICADT-2021)		
36.	Dr. Dinesh Kumar	H.K. Satrawla, D. Kumar, G. Pamnani	Phase Field Modelling of Crack Growth in High Entropy Alloys	International Conference on Advancements in Design and Tribology (ICADT-2021)	SVNIT Surat	SVNI T Surat
37.	Dr. Amit Arora	Three dimensional computational investigation of the geometric design of delta-type vortex generators deployed in finned tube arrays	Three Dimensional Computational Investigation of the Geometric Design of Delta-Type Vortex Generators Deployed in Finned Tube Arrays	8th International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM)	IIT Kharagpur	IIT Khara gpur
38.	Dr. Gunjan Soni	Manish Kumar, M. L. Mittal, Gunjan Soni and Dheeraj Joshi	A Tabu Search Algorithm for Simultaneous Selection and Scheduling of Projects	4th International Conference on Harmony Search, Soft Computing and Applications	Springer	Gurug ram, India
39.	Dr. Amit Arora	Arora A and Subbarao PMV	Thermo-Hydraulic Assessment of Geometric Designs of Vortex Generators in a Fin-and-Tube Heat Exchanger	5th International Conference on Emerging Trends in Mechanical & Industrial Engineering (ICETMIE)	Northcap University	NCU Gurug ram
40.	Dr. Pankaj Kumar Gupta	Mahaveer Prasad Sharma, Pankaj Kumar Gupta, Gaurav Kumar	Process Parameters and Their Effect During Electro- Chemical Discharge Machining: A Review	5th International Conference on Emerging Trends in Mechanical & Industrial Engineering (ICETMIE) – 2022	LNME	The North Cap Univer sity, Gurug ram, India
41.	Dr. Pankaj Kumar Gupta	Mahaveer Prasad Sharma, Pankaj Kumar Gupta, Gaurav Kumar	A Comprehensive Review on Modeling and Simulation Studies in Electro- Chemical	Congress on Research in Engineering, Science & Management (CRESM 2022)	Soft Computing Research Society	Padre Concei cao Colleg e of Engine ering,



			Discharge			Verna,
			Machining			Goa
42.	Dr. Amit	Arora A and	Computational	International	BIT Mesra	BIT
	Arora	Subbarao PMV	Investigation of	Conference on		Mesra
			Performance	Thermo-Fluids and		
			Characteristics Due	System Design		
			to Geometric	(ICTFSD)		
			Modification of			
			Vortex Generators			
			Placed in Finned			
			Tube Arrays			

List of Papers Presented at National Conferences

S.	Faculty	Authors	Paper Title	Conference Name	Organized	Place
No.	Name		_		By Name	
1.	Dr.	Arora A	Flow Modifications and	26th National and 4th	IIT Madras	IIT
	Amit	and	Heat Transfer	International ISHMT-		Madras
	Arora	Subbarao	Augmentation Due to	ASTFE Heat and Mass		
		PMV	the Placement of	Transfer Conference		
			Winglet-Type Vortex	(IHMTC)		
			Generators in Plain			
			Finned Tube Arrays			
2.	Dr.	Arora A	Effect of Geometric	48th National Conference	BITS	BITS
	Amit	and	Modification of	on Fluid Mechanics and	Pilani	Pilani
	Arora	Subbarao	Longitudinal Vortex	Fluid Power (FMFP)		
		PMV	Generators in Fin-and-			
			Tube Arrays			
3.	Dr.	Arora A	Effect of Positional	48th National Conference	BITS	BITS
	Amit	and	Tweak of Winglet-Type	on Fluid Mechanics and	Pilani	Pilani
	Arora	Subbarao	Vortex Generators in	Fluid Power (FMFP)		
		PMV	Finned Tube Banks			



Books Published

S. No.	Title	Author	Publisher
1.	Development and characterization of Aluminized Dental Composites, ISBN: 978- 620-3-41097-6	Mukesh Kumar, Yogesh Tak, Subash Harizan	Lambert Academic Publishing
2.	TiO2 Reinforced Hybrid Dental Composite Material: Development and Characterisation, ISBN: 978-620-3-57293-3	Mukesh Kumar, Ravindra Kumar Meena, Ashiwani Kumar	Lambert Academic Publishing
3.	Recent Advances in Industrial Production	Rajeev Agrawal Jinesh Kumar Jain Vinod Singh Yadav Vijaya Kumar Manupati Leonilde Varela	Springer, Singapore
4.	Recent Advances in Smart Manufacturing and Materials	Rajeev Agrawal Jinesh Kumar Jain Vinod Singh Yadav Vijaya Kumar Manupati Leonilde Varela	Springer, Singapore, 2021
5.	Tribology of Polymer and Polymer Composites for Industry 4.0	Hemalata Jena, Jitendra Kumar Katiyar, Amar Patnaik	Publisher Springer Singapore
6.	Tribology in Materials and Manufacturing: Wear, Friction and Lubrication	Amar Patnaik, Tej Singh, Vikas Kukshal	Technology & Engineering
7.	Advances in Materials Processing and Manufacturing Applications	Amar Patnaik, Ernst Kozeschnik, Vikas Kukshal	Springer Singapore
8.	Current Scenario in Sustainable Engineering	Amar Patnaik	Bentham Science Publishers
9.	Cutting Edge Technology for Sustainable Materials	Amar Patnaik	Bentham Science Publishers
10.	FEA of Gear Transmission Error	Toshit Jain, Jinesh Kumar Jain	Lap Lambert Academic Publishing
11.	Industry 4.0 and Climate Change	Rajeev Agrawal, J. Paulo Davim, Maria L.R. Varela, Monica Sharma	CRC Publishers
12.	Manufacturing and Machining Processes	Jinesh Kumar Jain	Notion Press
13.	Engine Modeling and Simulation	Avinash Kumar Agarwal, Dhananjay Kumar, Nikhil Sharma, Utkarsha Sonawane	Springer

S. No.	Name of Faculty	Membership
1.	Dr. Gunjan Soni	Society of Automotive Engineers



Any other details worth publication in Annual Report 2021-22

S.	Name of	Particulars	
No.	Faculty		
1.	Dr. Harlal	Awarded for exceptional contribution as a Primary Evaluator in "Toycathon 2021"	
	Singh Mali	organized by GOI	
2.	Dr. Harlal	Awarded for coordinating National intellectual Property Awareness Mission	
	Singh Mali	NIPAM) at MNIT Jaipur on 5th March 2022.	
3.	Dr. Harlal	Coordinated a "Intellectual Property Awareness program" under National Intellectual	
	Singh Mali	property awareness mission on March 05,2022, organized by Intellectual Property	
		Office, India	
4.	Dr. Harlal	Planned and Anchored the Design Thinking Lab on 23rd February 2022 for Intellect	
	Singh Mali	Design.	
5.	Dr. Harlal	Evaluated research scholars in 37th Young Scientist congress jointly organized by	
	Singh Mali	MP Council of Science and Technology, Bhopal on 15th March 2022.	

Patents filed by the department /faculty

S.	Patent brief detail	Status	Year
No.		(filed/accepted)	
1.	Inventors: Dr Harlal Singh Mali & Siddhartha K Singh, Title: Twin-Flow	Application	2021
	Modular Micro-Channel Heat Sink and Fabrication Process Thereof,	under	
	Registration No: 202111029111, Organization: Controller General of	examination	
	Patents, Designs & Trade Marks (CGPDTM)		
2.	Invento: Dr. Harlal Singh Mali, Title: Orthosis for Clubfoot (CTEV)	Awarded	2021
	Correction and Maintenance Based on Ponsiti Method, Registration No:		
	374627/202111003245 dt.23-1-21, Organization: Controller General of		
	Patents, Designs & Trade Marks (CGPDTM)		
3.	Inventors: Dr. Harlal Singh Mali, Jaikishan, Jitendra, Title:Design of a	Awarded	2021
	System for Finishing Complicated Workpiece(s) using Abrasive Laden		
	Base Material, Registration No: 380679, Organization: Controller General		
	of Patents, Designs & Trade Marks (CGPDTM) Appl. No. 201611008902,		
	Date.15/03		
4.	Inventors: Jinesh Kumar Jain, Title:Hybrid Electric Discharge Drilling	Published	2022
	with Rotating Work-piece and Vibrating Electrode, Registration No:	Application	
	202211013253, Organization: Controller General of Patents, Designs &		
	Trade Marks (CGPDTM)		

DEPARTMENT OF METALLURGICAL & MATERIALS ENGINEERING Research Papers Published in International Journals

- 1. R K Rai, J K Sahu, N Paulose, D C Fernando; Tensile deformation micro-mechanisms of a polycrystalline nickel base superalloy: From jerky flow to softening, Materials Science and Engineering A, 2021, 807, 140905.
- 2. R K Rai, C Srivastava; Synthesis and Mechanism of Formation of Non-equilibrium Ag–Ni Nanotubes, Metallography, Microstructure, and Analysis, 2021, 10 (1), 86-95.



- 3. V T Gaikwad, M K Mishra, V D Hiwarkar, R K P Singh; Microstructure and mechanical properties of friction welded carbon steel (EN24) and nickel-based superalloy (IN718), International Journal of Minerals, Metallurgy and Materials, 2021, 28 (1), 111-119.
- 4. V K Pandey, S K Jatav, U Pandel, R K Duchaniya; Effect of composition on thermal stability and microstructural behaviour of non-prototype material (CaO-Fe2O3), Journal of Mechanical Engineering and Sciences, 2021, 15 (1), 7885-7893.
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- R K Goyal, S D Bhosale, S D Gaikwad, R D Gadve; Synergistic effects of graphenenanoplatelets on X-band electromagnetic interference shielding, thermal expansion and thermal stability of poly(ether-ketone) based nanocomposites, Materials Science and Engineering: B, 2021, 265, 115038.
- A M Patki, R K Goyal; Investigation of non-isothermal crystallization, dynamic mechanical and dielectric properties of poly (ether-ketone) matrix composites, Polymer-Plastics Technology and Materials, 2021, 60, 70-83.
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- R K Goyal, R Agrawal, and A K Bhargava; Poly(ether-Ketone) (PEK) / Ceramic Nanocomposites as Alternate Materials for Printed Circuit Board Application; Polymer-Plastics Technology and Engineering, 2021.
- 10. R S Shekhawat, V Nadakuduru; Impact of Post Weld Heat Treatment on Mechanical and Microstructural Properties of Underwater Friction Stir Spot Welded 6061 Aluminium Alloy, Materials Today: Proceedings, 2021.
- 11. J Kar; Effect of beam oscillation on residual stress and corrosion properties of AISI 316L electron beam welds, Metallography, Microstructure, and Analysis, 5, 2021.
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- S Singh, S Sharma, AK Keshri; TribologicalBehaviour of Plasma-Sprayed GrapheneNanoplatelets Reinforced Hydroxyapatite Nanocomposite Coating, Transactions of the Indian Institute of Metals, 2021, 74, 2901-2907



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- R.S. Shekhawat, V N Nadakuduru, K B Nagumothu; Microstructures and mechanical properties of friction stir spot welded Al 6061 alloy lap joint welded in air and water, Materials Today: Proceedings, 2021, 41, 995-1000.
- 2. R. Verma, M J Rathod, R K Goyal; Effect of milling parameters on EMI shielding of the PES/MWCNT nanocomposites, Materials Today: Proceedings, 2021, 43, 3169-3172.
- 3. N. Sindhu, R K Goyal, T TPullan, T P D Rajan, S V Madam; Study on Al/TiB2 functionally graded metal matrix composites, Materials Today: Proceedings, 2021, 44, 2945-2951.
- 4. L. Verma, M B Chandar, V N Nadakuduru, T Shanmugasundaram, T M Kumar, M Verma; The possibility of synthesizing an Al-based bulk metallic glass using powder metallurgy route, Materials Today: Proceedings, 2021, 41(5), 1060-1068.
- M. Kumar, S. Sharma, R K Goyal; Effect of Fly Ash on the Thermal Properties of Poly(ether-Ketone) Based Composites, International Conference on Materials and Technologies (Material TECH 2021), NIT Raipur, 2021.
- M.N. Verma, V N Nadakuduru; Synthesis of Bulk Consolidated Ti-46Al-1B(at.%) Alloy via Powder Metallurgy Route using Induction Sintering Technique, Recent Advances in Manufacturing Processes and Systems, Proceedings of RAM 2021, Lecture Notes in Mechanical Engineering, Springer Nature, 2021.
- M.N. Verma, V N Nadakuduru, Mechanical Alloying of γ TiAl Based Powder of Ti-46Al-1B (at.%) Composition, Advancement in Materials, Manufacturing and Energy Engineering - ICAMME 2021, Lecture Notes in Mechanical Engineering, Springer Nature, 2021.
- 8. R.S. Shekhawat, V N Nadakuduru, Scope and Future Prospects of Friction Stir Spot Welding of Aluminium 6061 Alloy, Materials Science and Nanotechnology by Coalesce Research Group, 2021.

S.	Name of Faculty	Membership		
No.				
1.	Prof. Rajendra Kumar Goyal	Life Member of The Indian Institute of Metals		
		Life Member of Powder Metallurgy Association of India		
		Life Member of The Society of Polymer Society		
		Life Member of Asian Polymer Association		
2.	Prof. UpenderPandel	Life Member of Indian Society of Technical Education		
		(ISTE)		
		Life Member of Indian Institute of Metals		
3.	Dr. Vijay Navaratna Nadakuduru	Life Member The Indian Institute of Metals		
		Life Member of Powder Metallurgy Association of India		
		Member, American Society for Metals, USA		
4.	Dr. Ajay Kumar Pradhan	Member of Institution of Engineers (India)		
		Life Member of The Indian Institute of Metals		
5.	Dr. Krishna Kumar	Life Member of Indian Institute of Metals		
		Life Member of Institution of Engineers (India)		



6.	Dr. Sreekumar Vadakke Madam	Life Member of Indian Institute of Metals		
		Life Member of Materials Research Society of India		
		E-Member of The Minerals, Metals and Materials		
		Society		
		Life Member of Indian Society for Technical Education		
		Member of Institution of Engineers (India)		
		Chartered Engineer of Institution of Engineers (India)		
		Member of Materials Australia		
7.	Dr. Swati Sharma	Member of Institute of Engineers (India)		
		Life Member of The Indian Institute of Metals		
		Life Member of Electron Microscope Society of India		
8.	Dr. Jyotirmaya Kar	Life Associate Member of The Indian Institute of Metals		
9.	Dr. Randhir Kumar Singh	Life Member of Indian Institute of Metals		
		Member of The Institution of Engineers (India)		
10.	Dr. Kunal Borse	Life Member of Solar Energy Society of India		
		LifeMember of The Indian Institute of Metals		
		Life Member of Materials Research Society of India		
11.	Dr. Rajesh Kumar Rai	Member of Indian Institute of Metals		
		Member of The Minerals, Metals and Materials Society		
		(TMS)		

Following students have qualified in GATE-2022

S. No.	Name	Institute ID	AIR
1.	Meenakshi Ojha	2017umt1310	14
2.	Shreya Khare	2018umt1750	25
3.	Gaurav Sharma	2018umt1311	26
4.	Harsh Sharma	2018umt1246	46
5.	M. A. Siddiqui	2018umt1543	85
6.	Neha Choudhary	2017umt1536	147
7.	Sakshi Chandola	2018umt1623	178
8.	N. S. Rangana	2018umt1814	239
9.	Reddi Jagadish	2018umt1347	374
10.	Harshita Sharma	2018umt1816	414
11.	Rishabh Jain	2019umt1474	469
12.	Archana Mali	2019umt1668	527
13.	Sneha Sagar	2018umt1542	768



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- 2. Gautam Raina, Sunanda Sinha, "A holistic review approach of design considerations, modelling, challenges and future applications for bifacial photovoltaics", Energy Conversion & Management Volume :0 / 0-0 / 2022.
- Prashant Malik, Mamta Awasthi, Sunanda Sinha, "A techno-economic investigation of grid integrated hybrid renewable energy systems", Sustainable Energy Technologies and Assessments Volume: 51 / 101976 / 2022.
- 4. Suhail M.A. Shrivastava S, Paritosh K, Pareek N, Kovalev AA, Kovalev DA, Litti YV, Panchenko V, Bolshev V, Vivekanand V, "Advances in Applications of Cereal Crop Residues in Green Concrete Technology for Environmental Sustainability: A Review", Agriculture Volume: 12 / 1266 / 2022.
- 5. B. Bairwa, K. Pareek, M. Sarvagya and U. R. Yaragatti, "Analysis of Leakage Current Mechanism in Supercapacitor with Experimental Approach", EEE Fourth International Conference on Advances in Electronics, Computers and Communications (ICAECC) Volume: 1 / 1-6 / 2022.
- 6. Dinesh Kumar, Jangid Poonam, Kapil Pareek, "Analysis of the effect of different factors on the degradation of supercapacitors", Ionics Volume :0 / 2022 / 2022.
- 7. Gautam Raina, Shubham Sharma, Sunanda Sinha, "Analyzing the impact of dust accumulation on power generation and bifacial gain", IEEE Transactions on Industry Applications Volume :58 (5) / 6529-6535 / 2022 ISBN: 1939-9367.
- Shekhawat S.S. Kulshreshth NM, Saini P, Upadhyay A, Gupta AB, Jenifer HM, SubramanianV, Kumari A, Pareek N, Vivekanand V, "Antibiotic resistance genes and bacterial diversity: A comparative molecular study of treated sewage from different origins and their impact on irrigated soils", Chemosphere Volume :307 / 13675 / 2022.
- Gautam Raina, Rohit Vijay, Sunanda Sinha, "Assessing the suitability of I-V curve translation at varying irradiance and temperature range", Sustainable Energy Technologies and Assessments Volume: 51 / 101925 / 2022.
- 10. Gautam Raina, Sunanda Sinha, Gaurav Saini, Shubham Sharma, Prashant Malik, N. S. Thakur, "Assessment of photovoltaic power generation using fin augmented passive cooling technique for different climates", Sustainable Energy Technologies and Assessments Volume: 52 / 102095 / 2022.
- 11. Gupta, Pranda Prasanta, Vaiju Kalkhambkar, Prerna Jain, Kailash Chand Sharma, and Rohit Bhakar, "Battery energy storage train routing and security constrained unit commitment under solar uncertainty", Journal of Energy Storage Volume: 55 / 2022.



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- 13. Ajay Vishwakarma, Sunanda Sinha, "Box type solar cooker with thermal storage: an overview", Energy Systems Volume :0 / 1 / 2022.
- 14. Barala, Chandra Prakash, Parul Mathuria, and Rohit Bhakar, "Distribution locational marginal price based hierarchical scheduling framework for grid flexibility from virtual energy storage systems", Electric Power Systems Research Volume: 214 // 2022.
- Sumanth Yamujala, Anjali Jain, Sreenu Sreekumar, Rohit Bhakar, Jyotirmay Mathur, "Enhancing power systems operational flexibility with ramp products from flexible resources", Electric Power Systems Research Volume: 202 / 107599 / 2022.
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- Singh R, Paritosh K, Pareek N, Vivekanand V, "Integrated system of anaerobic digestion and pyrolysis for valorization of agricultural and food waste towards circular bioeconomy: Review", Bioresource Technology Volume: 360 / 127596 / 2022.
- 19. Partha Das, Amit Kanudia, Rohit Bhakar, and Jyotirmay Mathur., "Intra-regional renewable energy resource variability in long-term energy system planning", Electric Power Systems Research Volume :245 / 123302 / 2022.
- 20. Shubham Sharma, Sunanda Sinha, Gautam Raina, Prashant Malik, S.S.Katoch, "Investigation and performance analysis of active solar still in colder Indian Himalayan region", Groundwater for Sustainable Development Volume :0 / 0-0 / 2022.
- 21. Poonam, Mayank Vyas, Dinesh Kumar Jangid, Rupesh Rohan, Kapil Pareek, "Investigation of supercapacitor cyclic degradation through Impedance Spectroscopy and Randles Circuit Model", Energy Storage Volume: 0 / 355 / 2022.
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- 23. Sumanth Yamujala, Rohit Bhakar, Jyotirmay Mathur, "Multi-Service based economic valuation of grid-connected Battery Energy Storage Systems", Journal of Energy Storage Volume: 52 / / 2022.
- 24. Yadav M, Balan V, Varjani S, Tyagi VK, Chaudhary G, Pareek N, Vivekanand V, "Multidisciplinary pretreatment approaches to improve the bio-methane production from lignocellulosic biomass", BioEnergy Research Volume: 10.1007/s1 / 1-20 / 2022.
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- 33. Pulkit Jain, Gautam Raina, Sunanda Sinha, Prashant Malik, Siddharth Mathur, "Agrovoltaics: Step towards sustainable energy-food combination", Bioresource Technology Reports Volume: 15 / 100766 / 2021.
- 34. Prajapati KK, Yadav M, Singh RM, Parikh P, Pareek N, Vivekanand V, "An overview of municipal solid waste management in Jaipur City, India Current status, challenges and recommendations", Renewable and Sustainable Energy Reviews Volume: 152 / 111703 / 2021.
- 35. Rana Veer Pratap Singh, Jyotirmay Mathur, Mahabir Bhandari, "Analysis of different operating strategies of thermal energy storage with radiant cooling system", Energy Research Volume: 45 / 6174-6197 / 2021.
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- 44. Saini A.K. Paritosh K, Singh A.K. Vivekanand V, "CFD approach for pumped-recirculation mixing strategy in wastewater treatment: Minimizing power consumption, enhancing resource recovery in commercial anaerobic digester", Journal of Water Process Engineering Volume: 40 / 101777 / 2021.
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- 54. Shekhawat S.S. Kulshreshtha NM, Vivekanand V, Gupta AB, "Impact of combined chlorine and UV technology on the bacterial diversity, antibiotic resistance genes and disinfection by-products in treated sewage.", Bioresource Technology Volume :338 / 125615 / 2021.
- 55. S. Sapre, M. Vyas, K. Pareek, "Impact of refueling parameters on storage density of compressed hydrogen storage TankImpact of refueling parameters on storage density of compressed hydrogen storage Tank", International Journal of Hydrogen Energy Volume: 46 / 16685 / 2021.



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- 57. Sunanda Sinha, SS Chandel, Prashant Malik, "Investigation of a Building Integrated Solar Photovoltaic-Wind-Battery Hybrid Energy System- a Case Study", International Journal of Energy Research Volume :45 (15) / 21534-2153 / 2021.
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- 64. Yadav M, Joshi C, Paritosh K, Thakur J, Pareek N, Masakapalli SK, Vivekanand V, "Organic waste conversion through anaerobic digestion: A critical insight into the metabolic pathways and microbial interactions", Metabolic Engineering Volume: 69 / 1-20 / 2021.
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- 67. Shivangi Sharma, Nazmi Sellami, Asif A Tahir, Tapas K Mallick, Rohit Bhakar, "Performance Improvement of a CPV System: Experimental Investigation into Passive Cooling with Phase Change Materials", Energies Volume: 14 / 3550 / 2021.
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Monographs published

	Si apiis pasiisiica		
S.	Title	Author	Publisher
No.			
1.	Book Chapter" An Overview of Partial Shading on	SiddharthMathur,	Scrivener Publication
	PV systems ISBN:9781119785460 (online)	GautamRaina,	
		Pulkit Jain,	
		SunandaSinha	
2.	Book Chapter" Optical modeling techniques for	Pulkit Jain,	Scrivener Publication
	bifacial PV ISBN:9781119785460 (online)	GautamRaina,	
		SiddharthMathur,	
		SunandaSinha	

Patents filed by the department /faculty

S.	Patent brief detail	Status	Year
No.		(filed/accepted)	
1.	A system and method for monitoring battery health using image analysis through deep-learning.	Filed	2021
2.	A method and system for detecting fault and cause of fault in battery	Accepted	2021



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- 3. Harshita Laddha, Priya Yadav, Madhu Agarwal, Ragini Gupta,"Quick and hassle-free smartphone's RGB-based color to photocatalytic degradation rate assessment of malachite green dye in water by fluorescent Zr–N–S co-doped carbon dots", Environmental Science and Pollution Research, 00 / 1-12 / 2022.
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Books Published

S. No.	Title	Author	Publisher
1.	Nanostructured zinc oxide synthesis, properties and	Dr.	Elsevier
	applications	Kamlendra	
		Awasthi	
		(Editor)	

Monographs published

S.	Title	Author	Publisher
No.			
1.	Graphene-Based Nano-Composite Material for	N Verma, S	Liquid and Crystal
	Advanced Nuclear Reactor: A Potential Structural	Pal	Nanomaterials for Water
	Material for Green Energy		Pollutants Remediation,
			206-221 (CRC Press)
2.	Supramolecular gels as smart sorbent materials for	Dr. Bhagwati	CRC Press
	removal of pollutants from water	Sharma	

S. No.	Name of Faculty	Membership
1.	Dr. Kanupriya Sachdev	Life Member of Materials Research Society of India Life Member of Indian National Society for Disordered Materials Life Member of Plasma Science Society of India Life Member of Indian Association of Physics Teachers Executive committee member and life member of Thermo- physical Society of India (TPSI) Life Member of Ion Beam Society of India (IBSI) Member Research Committee of International College for Girls Member, Academic Council of Manav Rachna University Research Advisory Committee (Material Sciences) of Shriram Institute for Industrial Research (SRI)
2.	Dr. Kamlendra Awasthi	Life Member of Soft Materials Research Society of India Life Member of Thermo-Physical Society of India Life Member of Indian Association of Physics Teachers (IAPT), India Life Member of Ion Beam Society of India Life Member of Materials Research Society of India Life Member of Nuclear Track Society of India
3.	Dr. Bhagwati Sharma	Life Member of Materials Research Society of India Life Member of Soft Materials Research Society of India



NATIONAL CENTRE FOR DISASTER MITIGATION & MANAGEMENT

Research Papers Published in International Journals

- 1. Vijay Sharma, M K Shrimali, S D Bharti and T K Datta "Evaluation of responses of semi-rigid frames at targest displacements predicted by the nonlinear static analysis" Steel and Composite Structures- An International Journal, Volume :36 / 399-415 / 2020 ISBN: 1229-9367 (Techno Press)
- 2. Vijay Sharma, M.K. Shrimali, S D Bharti and T K Datta "Behavior of semi-rigid steel frames under near-and far-field earthquakes" Steel and Composite Structures- An International Journal, Volume :34 / 625-641 / 2020 ISBN: 1598-6233 (Techno Press)
- 3.Sunita Tolani, S D Bharti, M K Shrimali and T K Datta "Effect of Surface Blast on Multi-Story Buildings" Journal of Performance of Constructed Facilities, Volume :34 / 1040200-15 / 2020 ISBN: 0887-3828 (American Society of Civil Engineering)

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 Sunita Tolani, S.D. Bharti, M.K. Shrimali and T.K. Datta, "Effect of Surface Blast on Multi-Story Buildings", Journal of Performance of Constructed Facilities Volume, :34 / 1040200-15 / 2020 ISBN: 0887-3828

	of Professional bodies	M 1 1*
S. No.	Name of Faculty	Membership
1.	Prof. M.K. Shrimali	Life Member of Indian Society for Technical Education.
		Life Member of Indian Society for Earthquake Technology
		(ISET).
		Life member of Institution of Engineers (India).
		Life Member of Indian Association of Structural
		Engineering (IASE).
		Life Member of Association of Structural Rehabilitation
		(ASTR).
		Fellow of The Institution of Engineers (India).
2.	Prof. S.D. Bharti	Life member of Indian Association of Structural En of IASE.
		Life membership of Indian Society of Earthquake Te of
		ISET.
		Life Member of Association of Structural Rehabilit of
		ASTR.
		Life Member of Indian Association of Structural
		Engineering (IASE).
		Life Member of Association of Structural Rehabilitation
		(ASTR).



DEPARTMENT OF MANAGEMENT STUDIES

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List of Papers Presented at International Conferences

- 1. Anchliya A, Patidar A, Sharma M, "Assessment and Evaluation of Factors Leading to Rural Women Entrepreneurship (Accepted)", International Conference on Industrial Engineering and Operations Management 2022 by: IEOM at NIT, Warangal / 1 / 2022 ISBN: 1
- 2. Akshay Patidar, Monica Sharma, Rajeev Agrawal and Kuldip Singh Sangwan, "Identification and Assessment of Food Waste Factors in Food Processing: A DEMATEL Approach", International Conference on Industrial Engineering and Management by: International Conference on Industrial Engineering and Management at MNIT Jaipur // 2021
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- 4. Anbesh Jamwal, Rajeev Agrawal and Monica Sharma, "A Strategic Roadmap for Sustainability in Industry 4.0 for SMEs", International Conference on Industrial Engineering and Management by: International Conference on Industrial Engineering and Management at MNIT Jaipur // 2021
- 5. Patidar A, Sharma M, Agrawal R, Sangwan KS, Jamwal A, Gonçalves M, "Sustainable Supply Chain Research and Key Enabling Technologies: A Systematic Literature Review and Future Research Implications/ DOI: https://doi.org/10.1007/978-3-030-78170-5_27", International Conference Innovation in Engineering ICIE-2021 by: Springer at University of Minho, Portugal / 305-319 / 2021 ISBN: 978-3-030-78169-9
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- 11. Sharma S. and Khurana M., "Fintech Industry Startups: Analyzing Trends, Challenges and Opportunities in Indian Market", 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022) by:MNIT Jaipur at MNIT Jaipur / / 2022
- 12. Motwani, J., & Kataria, A. (2021). Sentiment Analysis of Video Conferencing Apps: A Big data Approach. Paper presented at Guru Gobind Singh Indraprastha University with theme: Contemporary Issues at Management Research
- 13. Joshi, A., & Kataria, A. (2021). Technology Readiness Assessment: A Study in India. Paper presented at Shaheed Bhagatsingh College, Department of Commerce, Delhi University with theme: advances in Business and Technology
- 14. Joshi, A., & Kataria, A. (2021). Reimagining People management in the New Normal. Paper presented at IIM Nagpur with theme: ISDSI- Global International Conference on Leading Business in FLUID world
- 15. Joshi, A., & Kataria, A. (2021). Adoption of Talent Analytics for Effective Talent Management Decisions. Paper presented at Guru Gobind Singh Indraprastha University with theme: Contemporary Issues at Management Research
- 16. Joshi, A., & Kataria, A. (2021). The New Normal for Workforce Management. Paper presented at IIM Indore with theme: Excellence in research and Education.

Books Published

S. No.	Title	Author	Publisher
1.	Industry 4.0 and Climate Change	Rajeev Agrawal, J. Paulo Davim, Maria L.R. Varela, Monica Sharma	CRC Press, Taylor & Francis Group Jaipur
2.	Retail Banking: Analysis of Risk Factors	Dr. Shweta Sharma	Lap Lambert Academic Publishing

S.	Name of Faculty	Membership
No.		
1.	Dr. Satish Kumar	Association of International Business (AIB)- USA
2.	Dr. Monica Sharma	Indian Institution of Industrial Engineering (IIIE), NHQ-Mumbai AIMS International, HQ-Texas, USA Indian Institute of Industrial Engineering Indian Society of Ergonomics
3.	Dr. Aakanksha Kataria	Life Member of Indian Society for Training and Development (ISTD) Life Member of National HRD Network (NHRDN)
4.	Dr. Reeta Singh	NHRDN
5.	Dr. Shweta Sharma	American Finance Association Indian Institute of Banking and finance Indian Finance Association
6.	Dr. ShridevDevji	Indian Institute of Banking and finance Finance Association



Any other details worth publication in Annual Report 2021-22

S. No.	Name of Faculty	Particulars (Features/Articles/Blogs)
1.	Dr. Ritika Mahajan	Bringing the Magic of Indian Folktales to the MBA Classroom
2.	Dr. Ritika Mahajan	The Origin of MBA Education in India
3.	Dr. Ritika Mahajan	Why I Stopped PPTing and started Talking to my Students?
4.	Dr. Ritika Mahajan	Into the Lives of Working Mothers
5.	Dr. Ritika Mahajan	On My First Job in Academia
6.	Dr. Ritika Mahajan	The Power of Language
7.	Dr. Ritika Mahajan	What Did Undergrad Students Learn Through Online Education? A Survey
8.	Dr. Ritika Mahajan	The Global Rise of Women Entrepreneurs in the Sustainable Energy Sector
9.	Dr. Ritika Mahajan	Do you take climate change seriously?
10.	Dr. Ritika Mahajan	Punjabi, English and My Regret on the International Mother Language Day
11.	Dr. Ritika Mahajan	Why Being Slow could be the Next Big Thing in Education?
12.	Dr. Ritika Mahajan	On Examinations, Second Wave and Hope for a Better Future
13.	Dr. Ritika Mahajan	Should you Enrol Your Kids for Coding Classes
14.	Dr. Shweta Sharma	Book Chapter: Sharma, S. and Agarwal A. (2022). Chapter
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		Payment Services by the Banking Industry in India" in Handbook of
		Research on Green, Circular, and Digital Economies as Tools for Recovery
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DEPARTMENT OF CHEMISTRY

Research Papers Published in International Journals

- 1. Jyoti Yadav, Manviri Rani, Uma Shanker, An integrated hybrid nanoplatform with polymer coating: Zinc based green nanocomposites with improved photoactivity under Sugnlight irradiation, Journal of Environmental Chemical Engineering 10, 2022, 107452
- 2. Keshu, Manviri Rani, Uma Shanker, Efficient removal of plastic additives bysunlight active titanium dioxide decorated Cd-Mg ferrite nanocomposite: Green synthesis, kinetics and photoactivity, Chemosphere 290, 2022, 133307
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- 4. Keshu, Manviri Rani, Jyoti Yadav, Meenu, SudhaChaudhary, Uma Shanker, An updated review on synthetic approaches of green nanomaterials and their application for removal of water pollutants: Current challenges, assessment and future perspectives, Journal of Environmental Chemical Engineering 9, 2021, 106763
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List of Papers Presented at International Conferences

- Jyoti Yadav, Manviri Rani and Uma Shanker, Green synthesis of sunlight responsive nickel oxide doped hexacyanocobaltate nanostructures for efficient photo degradation of pesticides, in an online International conference of CONIAPS XXVII on "Recent Advances in Catalysis Science & Engineering (RACSE)" organized by Department of Chemistry, NIT Jamshedpurin association with International Academy of Physical Sciences (IAPS), Prayagraj, India" 26 to 28, Oct. 2021.
- 2. Meenu, Manviri Rani and Uma Shanker Photocatalytic degradation of bisphenol A by green synthesized ZnO enfolded ZnHCFnanocomposite in an online International conference of CONIAPS XXVII on "Recent Advances in Catalysis Science & Engineering (RACSE)" organized by Department of Chemistry, NIT Jamshedpur in association with International Academy of Physical Sciences (IAPS), Prayagraj, India" 26 to 28, Oct. 2021.
- 3. SudhaChoudhary, Manviri Rani, Uma Shanker, Synthesis and characterization of Prussian blue analogous for degradation of pesticides in an online International conference of CONIAPS XXVII on "Recent Advances in Catalysis Science & Engineering (RACSE)" organized by Department of Chemistry, NIT Jamshedpur in association with International Academy of Physical Sciences (IAPS), Prayagraj, India" 26 to 28, Oct. 2021.
- 4. Jyoti Yadav, Manviri Rani and Uma Shanker, Instantan eous photocatalytic degradation of pesticides over coupled ZnO@CdSnanocomposite synthesized via greener approach, in an International Conference on Materials Science and Spectroscopy (ICMSS-21)' from 22-24th September 2021, Department of Physics, School of Science, Maharishi University of Information Technology (MUIT), Lucknow .
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- 8. Keshu, Uma Shanker, Manviri Rani, Green synthesis, kinetics and photoactivity of novel Titanium dioxide coupled bismuthoxidenanocomposite for efficient removal of organic pollutants. International Conference of CONIAPS XXVII on Recent Advances in Catalysis Science & Engineering (RACSE), NIT Jamshedpur, Jharkhand. October 26-28, 2021;RACSE-EP-12
- Ankit, Keshu, Uma Shanker, Manviri Rani, Synthesis of Green iron oxide nanoparticles by using plant extracts: A review. International Conference of CONIAPS XXVII on Recent Advances in Catalysis Science & Engineering (RACSE), NIT Jamshedpur, Jharkhand. October 26-28, 2021; RACSE-EP-04
- 10. Usha Yadav, Keshu, Manviri Rani, Uma Shanker, Green biosynthesis of metal oxide snanoparticles: A review on present status. International Conference of CONIAPS XXVII on Recent Advances in Catalysis Science & Engineering (RACSE), NIT Jamshedpur, Jharkhand. October 26-28, 2021; RACSE-EP-30
- 11. Manoj Kumar (PhD scholar), under the supervision of Dr. Sudhir Kashyap (Department of Chemistry) made a Oral Presentation, entitled "Stereoselective Synthesis of Deoxyglycosides and Oligosaccharide from Glycal Donors" in International Conference on Organic, Medicinal, and Pharmaceutical Chemistry (OP-23, ICOMP-2022), Navrachna University, February 24-27, 2022 at Vadodara.
- 12. Aakanksha Gurawa (PhD scholars), under the supervision of Dr. Sudhir Kashyap (Department of Chemistry) made a Oral Presentation, entitled "Photoinduced Radical Azidation of Olefins using λ3 Iodane Species" in International Conference on Organic, Medicinal, and Pharmaceutical Chemistry (OP-01, ICOMP-2022), Navrachna University, February 24-27, 2022 at Vadodara. (Best presentation award, Second).
- 13. Nitin Kumar (PhD scholars), under the supervision of Dr. Sudhir Kashyap (Department of Chemistry) made a Oral Presentation, entitled "Ruthenium-Catalyzed a Concise Stereoselective Synthesis of α-L Rhamnopyranosides from L-Rhamnal" in International Conference on Organic, Medicinal, and Pharmaceutical Chemistry (OP-27, ICOMP-2022), Navrachna University, February 24-27, 2022 at Vadodara.



List of Papers Presented at National Conferences

- 1. Keshu, Uma Shanker, Manviri Rani, Sustainable fabrication of Hetro-metal oxide formineralization of organic pollutants. Sustainable Environment: Challenges and Opportunities (SECO, 2021). National Conference. National Institute of Technology, Jalandhar, Punjab, September 8-9, 2021.
- 2. Manoj Kumar (PhD scholars), under the supervision of Dr. Sudhir Kashyap (Department of Chemistry) made a Poster Presentation, entitled "Stereoselective Glycosylation of Glycals: Synthesis of 2-Deoxy and 2,3-Dideoxyglycoconjugates" in National Symposium on Chemistry for Sustainable Future (OF-34, NSCSF-2022), Rajasthan University, February 16, 2022 at Jaipur.
- 3. Aakanksha Gurawa (PhD scholars), under the supervision of Dr. Sudhir Kashyap (Department of Chemistry) made a Poster Presentation, entitled "Sulfonium Iodate Reagent Mediated Stereodivergent Azidation of Alkenes under Visible Light" in National Symposium on Chemistry for Sustainable Future (OF-14, NSCSF-2022), Rajasthan University, February 16, 2022 at Jaipur. (Best poster award, Third).
- 4. Nitin Kumar (PhD scholars), under the supervision of Dr. Sudhir Kashyap (Department of Chemistry) made a Poster Presentation, entitled "Stereocontrolled Synthesis of a-L-rhamnopyranosides via ruthenium catalysis Glycosylation of Glycals" in National Symposium on Chemistry for Sustainable Future (OF-33, NSCSF-2022), Rajasthan University, February 16, 2022 at Jaipur. (Best poster award, Second).

Books Published

S. No.	Title	Author	Publisher
1.	Green Nanomaterials for Industrial Applications; ISBN number: 9780128232965	Uma Shanker, Manviri Rani	Elsevier 2021
2.	Green Functionalized Nanomaterials for Environmental ApplicationsISNB number: 9780128231371	Uma Shanker, Manviri Rani	Elsevier 2021
3.	Liquid and Crystal Nanomaterials for Water Pollutants Remediation	Uma Shanker, Manviri Rani	CRC Press/Taylor and Francis
4.	Sensing and biosensing with silicon quantum dots	Yachana Upadhyay, Raj Kumar Joshi, Suban K Sahoo	Elsevier
5.	Auto-DL: A Platform to Generate Deep Learning Models	Aditya Srivastava, Tanvi Shinde, Raj Joshi, Sameer Ahmed Ansari, Nupur Giri	Springer, Singapore



Monographs published

S.	Title	Author	Publisher
1.	Modern applications and current status of liquid and crystal nanomaterials in environmental industryin book "Liquid and Crystal Nanomaterials for Water Pollutants Remediation", March 2022, DOI: 10.1201/9781003091486-13	Rachna, Uma Shanker and Manviri Rani	CRC Press/ Taylor & Francis group
2.	Eradication of personal care products by liquid and crystal nanomaterials" in book "Liquid and Crystal Nanomaterials for Water Pollutants Remediation" March 2022, DOI: 10.1201/9781003091486-10	Rachna, Uma Shanker and Manviri Rani	CRC Press/ Taylor & Francis group
3.	Environmental, Health and Safety Issues of Liquid and Crystal Nanomaterials"March 2022, DOI: 10.1201/9781003091486-14	Manviri Rani, Keshu and Uma Shanker	CRC Press/ Taylor & Francis group
4.	Green synthesized zinc based nanocomposites for environmental remediation" in book "Bio Renewable Nanocomposite Materials: For Electrocatalyst, Energy Storage, and Wastewater Remediation" March 2022, DOI: 10.1021/bk-2022-1411.ch006, ISBN13: 9780841297807eISBN: 9780841297791	Manviri Rani, JyotiYadav and Uma Shanker	ACS symposium series
5.	Cu-based nanomaterials for production of agrochemicals in book "Copper Nanostructures: Next-Generation of Agrochemicals for Sustainable Agroecosystems" Jan 2022, https://doi.org/10.1016/B978-0-12-823833-2.00018-0	Manviri Rani, Keshu and Uma Shanker	Elsevier
6.	"Green nanomaterials as Photocatalysts: Current Trends" in book "Green Nanomaterials for Industrial Applications" Jan 2022, Pages 255-307, https://doi.org/10.1016/B978-0-12-823296- 5.00001-0	Manviri Rani, Meenu and Uma Shanker	Elsevier



7.	Toxicity and safety assessment of green nanomaterials" in book "Green Nanomaterials for Industrial Applications" Jan 2022, Pages 509-522, https://doi.org/10.1016/B978-0-12-823296-5.00010-1	Manviri Rani, JyotiYadav and Uma Shanker	Elsevier
8.	Environmental, legal, health and safety issues of Green Nanomaterials" in book "Green Functionalized Nanomaterials for Environmental Applications" Aug 2021, Pages 567-594 https://doi.org/10.1016/B978-0-12-823137-1.00020-8	Manviri Rani, Keshu, JyotiYadav, Meenu and Uma Shanker	Elsevier
9.	Green nanomaterials: An overview" in book "Green Functionalized Nanomaterials for Environmental Applications" Aug 2021, Pages 43-80, https://doi.org/10.1016/B978-0-12-823137-1.00026-9	Manviri Rani, Keshu and Uma Shanker	Elsevier
10.	Plant-meditated methods for synthesis of silver nanoparticles" in book "Agri-Waste and Microbes for Production of Sustainable Nanomaterials" Oct 2021, Pages 685-706, https://doi.org/10.1016/B978-0-12-823575-1.00012-3	Manviri Rani, JyotiYadav, Meenu, Keshu and Uma Shanker	Elsevier
11.	Green synthesized Zn-based catalysts" in book "Zinc-Based Nanostructures for Environmental and Agricultural Applications" May 2021 Pages 93-121, https://doi.org/10.1016/B978-0-12-822836-4.00008-2	Manviri Rani, Keshu, JyotiYadav and Uma Shanker	Elsevier
12.	"Biogenic synthesis of zinc nanostructures: Characterization and mechanisms" in book "Zinc-Based Nanostructures for Environmental and Agricultural Applications" May 2021, Pages 65-91, https://doi.org/10.1016/B978-0-12-822836- 4.00003-3	Manviri Rani, Keshu and Uma Shanker	Elsevier
13.	"Pesticides degradation by Silver-based nanomaterials" in book "Silver Nanomaterials for Agri-Food Applications" 2021, Pages 407-427, https://doi.org/10.1016/B978-0-12-823528- 7.00032-9	Manviri Rani, JyotiYadav and Uma Shanker	Elsevier
14.	"Plastic degradation in environmental implications" in book "Degradation of Plastic" 2021, Vol. 99, pages 290-324, https://doi.org/10.21741/9781644901335-12	Manviri Rani and Uma Shanker	Materials Research Forum



Membership of Professional bodies

S. No.	Name of Faculty	Membership
1.	Dr. Manviri Rani	Life Member of Indian Society of Analytical Scientists
		Life Member of Indian Desalination Association
		Life Member (HSCA-LM-344) of Him Science Congress
		Association, Himachal Pradesh, India from 13 sep 2021
2.	Dr. Meena Nemiwal	Life Time member Indian Science congress association
		Life Time member Indian Desalination Association
		Life Time member Society for Materials Chemistry
3.	Prof. Jyoti Joshi	Life Member of Indian Science congress association
		Life Member of ISTE
4.	Dr. Abbas Raja Naziruddin	MRSC of Royal Society of Chemistry
	,	Member of Chemical Research Society of India
5.	Dr. Raj K. Joshi	Green Chemistry
		ACS
6.	Dr. Pawan Rekha	Life Time member Indian Desalination Association

Any other details worth publication in Annual Report 2021-22

S.	Name of Faculty	Perticulars
No.	,	
1.	Dr. Manviri Rani	Reviewer of Journal
		Marine pollution Buletin
		2. Journal of Environmental Chemical Engineering
		3. Environmental Science & Technology
		4. Food Packaging and Shelf Life
2.	Dr. Meena	Book Chapters published-6
	Nemiwal	
3.	Dr. Sudhir	External Subject Expert for the Board of Studies of Department of Chemistry
	Kashyap	University of Engineering & Management (UEM), Jaipur.
4.	Dr. Pawan Rekha	Book Chapters published-2



DEPARTMENT OF MATHEMATICS

Research Papers Published in International Journals

- Santosh Chaudhary and Kiran Kunwar Chouhan, Ohmic-Viscous Dissipation in MHD Slip Flow of Cublood Nanofluid over a Stretching Surface along Nanoparticle Shapes, Indian J PureAppl Phys, (2021), Vol. 59 (8), 559-568.
- 2. S. Meena, S. Bhatter, K. Jangid, and S. D. Purohit (2021): Certain expansion formulae of incomplete I-function associated with the Leibniz rule, Journal of Fractional Calculus and Nonlinear System, 2(1): (42-50).
- 3. S. Bhatter, K. Jangid, S. Meena, and S.D. Purohit (2021): Certain integral formulae involving incomplete I-functions, Science and Technology Asia, 26(4):(84-95).
- 4. S. Meena, S. Bhatter, K. Jangid, and S.D. Purohit (2022): Certain expansion formulae of incomplete H-function associated with Leibniz rule, TWMS Journal of Applied and Engineering Mathematics, 12(2): (579-587)
- 5. S. Meena, S. Bhatter, K. Jangid, S.D. Purohit and K.S. Nisar (2022): Certain generating functions involving the incomplete I-functions, TWMS Journal of Applied and Engineering Mathematics, 12(3): (985-995).
- Ankita Chandola, Rupakshi Mishra Pandey, Ritu Agarwal, Ravi P. Agarwal, Hadamard Inequality for (k -- r) Riemann-Liouville Fractional Integral Operator via Convexity, Progr. Fract. Differ. Appl., 8(2), 205-215 (2022) doi:10.18576/pfda/080201
- 7. Ritu Agarwal, Urvashi Purohit Sharma, Ravi P. Agarwal, Daya Lal Suthar and Sunil Dutt Purohit, Bicomplex Landau and Ikehara Theorems for the Dirichlet Series, Journal of Mathematics, Volume 2022, Article ID 4528209, DOI:10.1155/2022/4528209.
- 8. Urvashi Purohit Sharma, Ritu Agarwal, Bicomplex Laplace transform of fractional order and properties, Journal of Computational Analysis and Applications, 30(2) 2022, 370-385.
- 9. Tarun Kumar Chauhan and Varun Jindal, Strong Whitney and Strong Uniform Convergences on a Bornology, Journal of Mathematical Analysis and Applications, 505(1), 2021, 125634.
- 10. K. Palpandi and Sonali Sharma, Tensor complementarity problems with finite solution sets, Journal of optimization theory and applications 190(3) / 951-965 / 2021.
- 11. K Sharma, S Kumar, A Narwal, F Mebarek-Oudina, IL Animasaun, "Convective MHD Fluid Flow Over Stretchable Rotating Disks With Dufour and Soret Effects", International Journal of Applied and Computational Mathematics Vol: 8/159/2022
- 12. S Kumar, K Sharma, "Darcy-Forchheimer Fluid Flow Over Stretchable Rotating Disk Moving Upward/downward With Heat Source/sink", Special Topics & Reviews in Porous Media - An International Journal Vol: 13/33-43/2022
- 13. S Kumar, K Sharma, "Entropy Optimized Radiative Heat Transfer of Hybrid Nanofluid Over Vertical Moving Rotating Disk With Partial Slip", Chinese Journal of Physics Vol: 77/861-873/2022
- 14. K Sharma, "FHD Flow and Heat Transfer Over a Porous Rotating Disk Accounting Coriolis Force Along With Viscous Dissipation and Thermal Radiation", Heat Transfer Vol: 51 (5)/ 4377-4392/ 2022
- 15. N Vijay, K Sharma, "Heat and Mass Transfer Study of Ferrofluid Flow Between Co-Rotating Stretchable Disks With Geothermal Viscosity: HAM Analysis", Chinese Journal of Physics Vol: 78/83-95/2022
- 16. K Sharma, N Vijay, S Kumar, R Mehta, "Heat and mass transfer study of hydrocarbon based magnetic nanofluid (C1-20B) with geothermal viscosity", Proc. Inst. Mech. Eng. E Vol: 00/00-00/2022



- 17. S Kumar, K Sharma, "Impacts of Stefan blowing on Reiner-Rivlin fluid flow over moving rotating disk with chemical reaction", Arabian Journal for Science and Engineering Vol: 00/00-00/2022
- 18. K Sharma, S Kumar, N Vijay, "Insight into the motion of Water-Copper nanoparticles over a rotating disk moving upward/downward with viscous dissipation", Int. J. Mod. Phys. B Vol: 36/2250210/2022
- 19. S Kumar, K Sharma, "Mathematical modeling of MHD flow and radiative heat transfer past a moving porous rotating disk with Hall effect", Multidiscipline Modeling in Materials and Structures Vol: 18/445-458/2022
- 20. K Sharma, N Vijay, F Mabood, I A Badruddin, "Numerical simulation of heat and mass transfer in magnetic nanofluid flow by a rotating disk with variable fluid properties", International Communications in Heat and Mass Transfer Vol. 133/105977/2022
- 21. K Sharma, S Kumar, N Vijay, "Numerical simulation of MHD heat and mass transfer past a moving rotating disk with viscous dissipation and ohmic heating", Multidiscipline Modeling in Materials and Structures Vol: 18/153-165/2022
- 22. Basant Agarwal, Priyanka Harjule, Lakshit Chauhan, Upkar Saraswat, Parth Agarwal (2021) 'Prediction of dogecoin price using deep learning and social media trends'. EaI Endorsed Transactions on Industrial Networks and Intelligent Systems. https://dx.doi.org/10.4108/eai.29-9-2021.171188. pp. 171188.
- 23. Format Enhancement of Medical Images for Efficient Disease Diagnosis with Optimized Fractional Derivative Masks Priyanka Harjule, Manva Mohd. Tokir, Tanuj Mehta, Shivam Gurjar, Anupam Kumar, and Basant Agarwal Journal of Computational Biology 2022 29:6, 545-5642.
- 24. Priyanka Harjule, Vinita Tiwari & Anupam Kumar (2021) Mathematical models to predict COVID-19 outbreak: An interim review, Journal of Interdisciplinary Mathematics, 24:2, 259-284, DOI: 10.1080/09720502.2020.1848316
- 25. Priyanka Harjule, Azizur Rahman & Basant Agarwal (2021) A cross-sectional study of anxiety, stress, perception and mental health towards online learning of school children in India during COVID-19, Journal of Interdisciplinary Mathematics, 24:2, 411-424, DOI: 10.1080/09720502.2021.1889780
- 26. Basant Agarwal, Ajay Agarwal, Priyanka Harjule & Azizur Rahman (2022) Understanding the intent behind sharing misinformation on social media, Journal of Experimental & Theoretical Artificial Intelligence, DOI: 10.1080/0952813X.2021.1960637
- 27. Anubha Jindal, Separability of path spaces under the open-point and bi-point-open topologies, Filomat, Volume :35 (7) / 2209-2213 / 2021.

Research Papers Published in National Journals:

List of Papers Presented at International Conferences:

- 1. Priyanka Harjule, Basant Agarwal, Ashish Burdak, Satvik Gupta, Saurav Singh and ShivdeepSingh, "Forecasting and Seasonal Analysis of air quality index using machine learning models during COVID-19 pandemic", 4thInternational Conference on Computer Networks, Big Data and IoT (ICCBI 2021)
- 2. Ajay Agarwal, Basant Agarwal, Priyanka Harjule, "Understanding the Role of Feature Engineering in FakeNews Detection", 6th international conference on Soft Computing Theories and Applications (SoCTA-21), 2021.



List of Papers Presented at National Conferences

Books chapter Published

S.	Title	Author	Publisher
No.			
1.	Generalization of fractional kinetic equations containing	K. Jangid,	Chapman
	incomplete I -functions, In Handbook of Fractional Calculus	S. Meena,	and Hall/CRC
	forEngineering and Science, (169-185), 2022	S. Bhatter,	
		S.D. Purohit	

Membership of Professional bodies

S.	Name of Faculty	Membership	
No.			
1.	Dr. Sanjay Bhatter	Rajasthan Ganit Parishad	
2.	Dr. Sanjay Bhatter	RAPS (Jaipur)	
3.	Dr. Om P. Suthar	Indian Society of Theoretical and Applied Mechanics, Life	
		member and Executive Committee Member	
4.	Dr. Kushal Sharma	Indian Society of Theoretical and Appled Mechanics	



DEPARTMENT OF PHYSICS

Research Papers Published in International Journals

- 1. Vikas Sharma, Himanshu Sharma, Shushant Kumar Singh, Rajesh Kumar, Yogita Kumari, Kanupriya Sachdev, "Organic–Inorganic Hybrid Structure as a Conductive and Transparent Layer for Energy and Optoelectronic Applications", ACS Applied Electronic Materials Volume :3 / 1601-1609 / 2021.
- 2. V Chaudhary, R Vishnoi, A Salim, H Dixit, J Bhardwaj, D Gupta, Large shift in surface plasmon resonance wavelength with growth of embedded Au nanoparticles in fullerene C60 by Collision Cascades Journal of Alloys and Compounds 924, 166420,2022)
- 3. M. Bura, G. Singh, D. Gupta, N. Malik, A. Salim, A. Kumar, R. Singhal, Transition in the preferred orientation of RF sputtered ZnO/Si thin films by thermal annealing: Structural, morphological, and optical characteristics. Optical Materials 133, 113024 (2022).
- 4. V. Chaudhary, R. Vishnoi, A Salim, J. Bhardwaj, D. Gupta, GR. Umapathy, "Optical and structural modifications of copper nanoparticles in a matrix of fullerene C60 under 220 keV Ag ion irradiation", .Applied Surface Science Advances 11, 100305 (2022).
- 5. Renu Dhayal, Meghna Rathore, Rahul Singhal, Anees Ahmed, K.Vijaya Kumar and K.K.Venkataratnam, Nonclassical nature of thermal quantum states in the oscillating FRW Universe, European Physical Journal Plus Volume 136,363, (2021)
- 6. Meghna Rathore, Renu Dhayal and K.K.Venkataratnam, Validity of Semiclassical limit to Quantum Gravity in two-mode Oscillating Quantised Massive scalar field Quantum Cosmology, European Physical Journal C Volume:82 / 333 / 2022Doi:10.1140/epjc/s10052-022-10248-6
- 7. M. Rathore, R. Dhayal and K.K.Venkataratnam, Nonclassicality of two-mode quantum optical states of an oscillating quantized massive scalar field in the FRW Universe., General Relativity and Gravitation Volume: 54(6) / 1-51 / 2022.
- 8. Radhe Shyam, D. Negi, M. Gupta, P. Vashishtha, G. Gupta, A. Das, P. Dobbidi, K. Awasthi, Srinivasa Rao Nelamarri, Rapid thermal annealing induced engineering of surface and photoluminescence properties of (K,Na)NbO3 thin films for optoelectronic applications, Applied Surface Science 575 (2022) 151794.
- 9. Radhe Shyam, D. Negi, A. Das, P. Dobbidi, Srinivasa Rao Nelamarri, Investigation of structural and morphological properties of high energy ion irradiated KNN films, Materials Research Express 8 (2021) 066406.
- 10. Soumili Daripa, Rampal Verma, Debanjan Guin, Chanchal Chakraborty, Kamlendra Awasthi, Biplab Kumar Kuila. "Metal-Immobilized Micellar Aggregates of a Block Copolymer from a Mixed Solvent for a SERS-Active Sensing Substrate and Versatile Dip Catalysis." Langmuir 37.7 (2021): 2445-2456.
- 11. Sonalika Agarwal, Sanjay Kumar, Eric Navarrete Gatell, Manoj Kumar, Eduard Llobet, Kamlendra Awasthi. "Facile synthesis of Pd@ZnO core@shell nanoparticles for selective ethanol detection." Materials Letters: X 10 (2021): 100068.
- 12. Ankita Sharma, Ankush Agrawal, Kumud Kant Awasthi, Kamlendra Awasthi, Anjali Awasthi. "Biosensors for diagnosis of urinary tract infections: Advances and future challenges." Materials Letters: X 10 (2021): 100077.
- 13. Rajesh Kumar, Kamakshi, Manoj Kumar, Kamlendra Awasthi. "UV-irradiation assisted functionalization and binding of Pd nanoparticles in polycarbonate membranes for hydrogen separation." Environmental Science and Pollution Research, 28.34 (2021): 46404-46413.

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- 14. Sonalika Agarwal, Sanjay Kumar, Himanshu Agrawal, Mohamad G. Moinuddin, Manoj Kumar, Satinder K. Sharma, Kamlendra Awasthi. "An efficient hydrogen gas sensor based on hierarchical Ag/ZnO hollow microstructures." Sensors and Actuators B: Chemical 346 (2021): 130510.
- 15. Poonam Kumari, Kumud Malika Tripathi, Lokesh Kumar Jangir, Ragini Gupta, Kamlendra Awasthi. "Recent advances in application of the graphene-based membrane for water purification." Materials Today Chemistry 22 (2021): 100597.
- 16. Nishel Saini, Kamakshi Pandey, Kamlendra Awasthi. "Conjugate polymer-based membranes for gas separation applications: current status and future prospects." Materials Today Chemistry 22 (2021): 100558.
- 17. Nishel Saini, Kamlendra Awasthi. "Inghts into the progress of polymeric nano-composite membranes for hydrogen separation and purification in the direction of sustainable energy resources." Separation and Purification Technology 282 (2022): 120029.
- 18. Priyanka Aggarwal, Debasish Sarkar, Kamlendra Awasthi, Prashanth W. Menezes. "Functional role of single-atom catalysts in electrocatalytic hydrogen evolution: Current developments and future challenges." Coordination Chemistry Reviews 452 (2022): 214289
- 19. Sonalika Agarwal, Mohammad Jamir Ahemad, Sanjay Kumar, Dao Van Dung, Prabhakar Rai, Manoj Kumar, Kamlendra Awasthi, Yeon-Tae Yu. "Enhanced hydrogen sensing performances of PdO nanoparticles-decorated ZnO flower-like nanostructures." Journal of Alloys and Compounds 900 (2022): 163545.
- 20. C. Beleño,... K. Lalwani et al., "Measurement of the branching fraction of the decay $B+\rightarrow\pi+\pi-\ell+\nu\ell$ in fully reconstructed events at Belle", Physical Review D Volume :103 / 112001 / 2021
- 21. Choudhury...K. Lalwani et al., "Test of lepton flavor universality and search for lepton flavor violation in B →Kℓℓ decays", Journal of High Energy Physics Volume :105 / 1-24 / 2021
- 22. Y. Guan... K.lalwani, et al., "Measurement of branching fractions and CP asymmetries for D+s \rightarrow K+(η , π 0) and D+s \rightarrow π +(η , π 0) decays at Belle", Phy sical Review D Volume :103 / 112005 / 2021
- 23. NK. Nisar,...K. Lalwani, et al., "Search for the decay B0s→η'η", Physical Review D Volume :104 / 031101 / 2021
- 24. S.Jia,...K. Lalwani, et al., "Search for the ηc2(1D) in e+e−→γηc2(1D) at √s near 10.6 GeV at Belle", Physical Review D Volume :104 / 012012 / 2021.
- 25. L.Cao,...K. Lalwani, et al., "Measurements of partial branching fractions of inclusive B→Xℓ+vℓ decays with hadronic tagging", Physical Review D Volume :104 / 012008 / 2021
- 26. S.Dubey,...K. Lalwani, et al., "Search for B0s→η'Xs", Physical Review D Volume :104 / 012007 / 2021
- 27. J.T.Mc. Neil,...K. Lalwani, et al., "Measurement of the resonant and nonresonant branching ratios in E0c→E0K+K-", Physical Review D Volume: 103 / 112002 / 2021
- 28. S.X.Li,...K. Lalwani, et al., "Measurements of the branching fractions of Λ+c→pη and Λ+c→pπ0 decays at Belle", Physical Review D Volume :103 / 072004 / 2021
- 29. S.H.Park,...K. Lalwani, et al., "Search for the dark photon in B0 \rightarrow A'A', A' \rightarrow e+e-, μ + μ -, and π + π -decays at Belle", Journal of High Energy Physics Volume :2021 / 1-19 / 2021
- 30. S.Jia,...K. Lalwani, et al., "Measurements of branching fractions and asymmetry parameters of $\Xi 0c \rightarrow \Lambda K*0$, $\Xi 0c \rightarrow \Sigma 0K*0$, and $\Xi 0c \rightarrow \Sigma + K*-$ decays at Belle", Journal of High Energy Physics Volume :2021 / 160 / 2021
- 31. S. Mohanty...K. Lalwani, et.al., "Measurement of branching fraction and search for CP violation in B → φ φ K", Physical Review D Volume :103 / 052013 / 2021
- 32. Y. Teramoto...K. Lalwani,et al., "Evidence for Xŏ3872 $\rlap{P}\to J/\psi\pi+\pi-$ Produced in Single-Tag Two-Photon Interactions", Physical Review D Volume :126 / 122001 / 2021



- 33. Prashant Sharma, Rini Singh, Rishi Sharma, Ravindra Mukhiya, Kamlendra Awasthi, Manoj Kumar, Bismuth-Oxide Extended-Gate Field-Effect Transistor as pH sensor. Journal of Electronic Materials 51 2673 2022.
- 34. Jyoti Yadav, M. D. Anoop, Rini Singh, Nisha Yadav, N. Srinivasa Rao, Fouran Singh, Ankur Jain, Takayuki Ichikawa, Kamlendra Awasthi, Manoj Kumar, A reversible tuning of Fermi level in BiSbTe3 thin films through ion implantation. Materials Letters, 306, 130923, 2022
- 35. Jyoti Yadav, Rini Singh, Anoop M D, Nisha Yadav, N. Srinivasa Rao, Fouran Singh, Indra Sulania, Sunil Ojha, Kamlendra, Awasthi, and Manoj Kumar, Tuning of Fermi level in Antimony Telluride Thin Films by Low Energy Fe--ion Implantation, Applied Physics A, 127, 973, 2021.
- 36. Jyoti Yadav, Rini Singh, M D Anoop, Nisha Yadav, N. Srinivasa Rao, Fouran Singh, Kamlendra Awasthi, Manoj Kumar, Impact of Defects on the Structural and Electrical Transport Properties of Sb2Te3 Thin Films by SHI Irradiation, Materials Letters: X, 12, 100113, 2021.
- 37. Prashant Sharma, Rini Singh, Rishi Sharma, Ravindra Mukhiya, Kamlendra Awasthi, Manoj Kumar, Palladium-oxide Extended Gate Field Effect Transistor as pH Sensor, Materials Letters: X, 12, 100102, 2021.
- 38. Khushbu Sharma, Rini Singh, Balram Tripathi, Takayuki Ichikawa, Manoj Kumar, and Ankur Jain, All-Solid-State Li-Ion Batteries Using a Combination of Sb2S3/ Li2S- P2S5/Acetylene Black as the Electrode Composite and LiBH4 as the Electrolyte, ACS Applied Energy Materials, 4,6, 6269, 2021.
- 39. Savan K. Raj, Vikrant Yadav, Gopala R Bhadu, Rajesh Patidar, Manoj Kumar& Vaibhav Kulshrestha, Synthesis of highly fluorescent and water-soluble graphene quantum dots for detection of heavy metal ions in aqueous media, Environmental Science and Pollution Research, 28, 46336, 2021.
- 40. Gaetano Lambiase, Subhendra Mohanty, Akhilesh Nautiyal, and Soumya Rao, Constraints on electromagnetic form factors of sub-GeV dark matter from the cosmic microwave background anisotropy", Physical Review D, Volume: 104/023519/2021.
- 41. Tinku Dan, Ashutosh Mohanty, Anirban Dutta, Rahul Mahavir Varma, Sagar Sarkar, Igor Di Marco, Olle Eriksson, Edmund Welter, Simone Pollastri, Luca Olivi, K. R. Priolkar, and D. D. Sarma, "Local Structural Evolution in the Anionic Solid Solution ZnSexS1 X", Physical Review B Volume :104 / 184113 / 2021.
- 42. Rajnish Dhiman, Investigation of Cathode Electrolyte Interphase Layer in V2O5 Li-ion Battery Cathodes: Time and Potential Effects, Journal of the Electrochemical Society, 168, 2021, 040512.
- 43. Ankit Kumar, Debasish Sarkar*, Debanjan Das, K Kar Nanda, S Patil, Ashok Shukla, Asymmetric Supercapacitors with Nanostructured RuS2, Energy Fuels 2021, 35, 12671-12679 (2021)
- 44. A. Kumar, H. K. Rathore, Debasish Sarkar*, A. Shukla, Nanoarchitectured transition metal oxides and their composites for supercapacitors, Electrochemical Science Advances, e2100187 (2021)
- 45. D. Pal, A. Sarkar, N. G. Ghosh, D. M. Sanke, D Maity, K. Karmakar, Debasish Sarkar, G. G. Khan, Integration of LaCo(OH)x Photo-Electrocatalyst and Plasmonic Gold Nanoparticles with Sb-Doped TiO2 Nanorods for Photoelectrochemical Water Oxidation, ACS Applied Nano Materials, 4 (6), 6111-6123 (2021)
- 46. Y. Dahiya, M. Hariram, M. Kumar, A. Jain, Debasish Sarkar, Modified transition metal chalcogenides for high performance supercapacitors: Current trends and emerging opportunities, Coordination Chemistry Reviews 451, 214265 (2022)
- 47. P. Aggarwal, Debasish Sarkar*, K. Awasthi, P. W. Menezes, Functional role of single-atom catalysts in electrocatalytic hydrogen evolution: Current developments and future challenges, Coordination Chemistry Reviews, 452, 214289 (2022)



Research Papers Published in National Journals

List of Papers Presented at International Conferences

- 1. Belle II Experiment: Status and Prospects, XXVIII Thenational Workshop on Deep Inelastic Scattering and Related Subjects.
- Jyoti Yadav, Anoop M D, Nisha Yadav, Rini Singh, N. Srinivasa Rao, Fouran Singh, and Manoj Kumar, Tuning of Physical Properties through Implantation Mediated Cu Doping in Sb2 Te3 Thin Films, Materials Today: Proceedings, 50, 2562, 2022.
- 3. Jyoti Yadav, Anoop M D, Nisha Yadav, Rini Singh, N. Srinivasa Rao, Fouran Singh, Takayuki Ichikawa, Ankur Jain, Kamlendra Awasthi, and Manoj Kumar, Structural and Morphological Modifications induced by Fe ion Implantation in Sb2Te3 Thin Films, Macromolecular Symposia, 399, 2100079, 2021

List of Papers Presented at National Conferences

 Geant 4 Simulation for Hadronic Interactions in Space Radiation Environment, Proceedings of the DAE Symp.on Nucl. Phys. 65 (2021)

Books Published

S. No.	Title	Author	Publisher
1.	Nanostructured zinc oxide synthesis, properties and applications	Dr. Kamlendra Awasthi (Editor)	Elsevier
2.	Book Chapter, "Electron Transport in ZnO"	Dr. Anirban Dutta	Elsevier
3.	Book Chapter, "Energy Harvesters Based on ZnO" ISBN:9780128189009	Dr. Debasish Sarkar	Elsevier



Monographs published

S. No.	Title	Author	Publisher
1.	Chapter in Properties and Uses of Antimony:	Khushbu	Nova Science Publishers,
	Antimony and Their Chalcogenides as Anode	Sharma,	USA
	Material for Secondary Batteries	Takayuki	
		Ichikawa,	
		Manoj Kumar,	
		and Ankur	
		Jain	
2.	Chapter in Handbook of Energy Materials:	Bhawna Rathi,	Springer
	Hydrides for Efficient Hydrogen Storage	Shivani	
		Agarwal,	
		Manoj Kumar,	
		Ankur Jain	
3.	Chapter in Recent Trends in Electrochemical	Mona Saini,	Springer Verlag, Singapore
	Science and Technology: Benzotriazole	Nutan Rani,	
	Encapsulated Nanocontainer-Based Template-Free	Asifa	
	Electrochemical Synthesis of Multidimensional	Mushtaq, Rini	
	Copper/Copper Oxide Nanoparticles	Singh, Seema	
		Rawat,	
		Manoj Kumar,	
		and Kalawati	
		saini	
4.	Chapter in Solid State Batteries: Emerging	Pooja Kumari,	ACS
	Materials and Applications: Chalcogenides as	Shivani	
	anode material for all-solid-state Li-ion batteries	Agarwal,	
		Manoj Kumar,	
		Ankur Jain	

Membership of Professional bodies

S. No.	Name of Faculty	Membership	
1.	Dr. Kanupriya Sachdev	Life Member of Materials Research Society of India	
		Life Member of Indian National Society for Disordered	
		Materials	
		Life Member of Plasma Science Society of India	
		Life Member of Indian Association of Physics Teachers	
		Executive committee member and life member of Thermo-	
		physical Society of India (TPSI)	
		Life Member of Ion Beam Society of India (IBSI)	
		Member Research Committee of International College for	
		Girls	
		Member, Academic Council of Manav Rachna University	
		Research Advisory Committee (Material Sciences) of	
		Shriram Institute for Industrial Research (SRI)	



2.	Dr. K Venkataratnam Kamma	Life Member of I A G R G	
		Life Member of Indian Association of Physics Teachers	
		Life Member of THE INDIAN PHYSICAL SOCIETY	
		Life Member of Indian Physics Association	
3.	Dr. Srinivasa Rao Nelamarri	Life Member, Ion Beam Society of India	
		Life Member, Nanoscience and Nanotechnology Society, India	
		Life Member, Materials Research Society of India	
		Life Member, Indian Association of Physics Teachers	
4.		,	
	Dr. Kamlendra Awasthi	Life Member of Soft Materials Research Society of India	
		Life Member of Thermo-Physical Society of India	
		Life Member of Indian Association of Physics Teachers	
		(IAPT), India	
		Life Member of Ion Beam Society of India	
		Life Member of Materials Research Society of India	
		Life Member of Nuclear Track Society of India	
5.	Dr. Kavita Lalwani	Life Member (Aluminus) of Indian Institute of Technology	
		Bombay	
		Life Member of Indian Society of Radiation Physics	
		Life Member (Aluminus) of Indian Institute of Technology	
		Bombay	
	D. M	To the Association CDI with The Law (LADT) I I'	
6.	Dr. Manoj Kumar	Indian Association of Physics Teachers (IAPT), India	
		Thermo-Physical Society of India.	
		Materials Research Society of India.	
		Executive Committee Member of Soft Materials Research	
		Society of India	

Any other details worth publication in Annual Report 2021-22

S. No.	Name of	Perticulars
	Faculty	
1.	Dr. Kavita	MNIT Jaipur is now the Associate Member in the international collaboration
	Lalwani	Electron Ion Collider (EIC), an upcoming high energy physics experiment.

Patents filed by the department /faculty

S. No.	Patent brief detail	Status	Year
		(filed/accepted)	
1.	Banana Peel Biochar for the Development and	Accepted	2022
	Visualization of Latent Friction Ridges		



DEPARTMENT OF HUMANITIES and SOCIAL SCIENCES

Research Papers Published in International Journals

- 1. Vibhuti Singh Shekhawat "Indian Democracy Polarised or Pilloried?" NIU Journal of Social Sciences, Volume: 8 / 175-183 / 2020 (Noida International University).
- Vibhuti Singh Shekhawat and Varshali Brahma "Bodo Politics- From Origin to Accord" International Journal on Research and Development - A Management Review Volume: 10 / 5 / 2021 ISBN: 2319-5479 (Ird India)
- 3. Vibhuti Singh Shekhawat and Varshali Brahma, "The Bodo Tribal Society in the 21st Centuary", NIU Journal of Social Sciences, Volume :8 / 1-11 / 2020 ISBN: 2347-9795
- 4. Surbhi Sethi, Srishti Saxena, Manju Singh, "A nexus of market web traffic and investor's behavior in the EdTech market: evidence of performance from US and India", Benchmarking: An International Journal (Scopus Indexed, Q1, IF: 7.5), Volume: 6 / 1 / 2022
- 5. Book Chapter, "Evaluating the Effectiveness of Blended Learning Environment: Effects on Learning Outcome and Implications for Change in Post COVID India" ISBN:978-1-871891-59-1 published by Ethics International Press Limited, Uk. Year: 2022 authors- Surbhi Sethi, Manju Singh
- S. Bhatnagar, D. Sharma. (2022). Evolution of green finance and its enablers: A bibliometric analysis, Renewable and Sustainable Energy Reviews 162 / 112405 / 2022 ISBN: 1364-0321 (Scopus indexed)
- Sumedha Bhatnagar and Dipti Sharma. (2022). Green financing in India: identifying future scope for innovation in financial system, International Journal of Green Economics 15 (3) / 185-212 / 2021 ISBN: 1744-9928 (Scopus indexed)
- Bhardwaj, N., and Sharma, D. (2022). Achieving Financial Sustainability through Digitalization of the Indian Power Sector: Analysis of Post UDAY Performance of Rajasthan Distribution Companies, Atlantis Highlights in Social Sciences, Education and Humanities, Vol.2 (pp. 122-130). Atlantis Press International. ISBN: 9789462395152 (Scopus indexed International Conference Proceedings)
- Sharma, A.K. and Sharma, D. (2022), "Designing power optimization strategy for sustainable operations of distribution companies in Rajasthan", Atlantis Highlights in Social Sciences, Education and Humanities, Vol.2 (pp. 23-29). Atlantis Press International. ISBN: 9789462395152 (Scopus indexed International Conference Proceedings)
- S Bhatnagar, D Sharma, S Agrawal. (2021). "Can Industry 4.0 Revolutionize the Wave of Green Finance Adoption: A Bibliometric Analysis", Recent Advances in Smart Manufacturing and Materials, 515-525. ISSN 2195-4356 (Scopus Indexed Conference publication)
- 11. Sharma, A.K., Bhatnagar, S. and Sharma, D. (2021), "Relationship between Energy Use and Economic Growth: A Re-Examination" In K. Shanmugan and D. Sharma (Eds.), Multidisciplinary Approach to Sustainable Development goals: Some Issues and Reflections, Amazon Kindle Direct Publishing House, USA, ISBN 9798513908517. (online)
- 12. Bhardwaj, N., and Sharma, D. (2021). Analysis of Financial Performance of Rajasthan Power Utilities in India with reference to power sector reforms. In K. Shanmugan and D. Sharma (Eds.), Multidisciplinary Approach to Sustainable Development goals: Some Issues and Reflections, Amazon Kindle Direct Publishing House, USA, ISBN 9798513908517. (online)
- 13. Kumari, Saloni, and Dr. Preeti Bhatt. "A Psychoanalytic Study of Trauma in Virginia Woolf's Mrs. Dalloway and Joseph Heller's Catch 22." GÜNÜMÜZ Dil-Edebiyat Ve Filoloji Araştırmalarında Yenilikçi Eğilimler: Kuram, Yöntem Ve Teknikler Uluslararasi Sempozyum Bildiriler Kitabi, edited by Dr. Şenay KAYĞIN and Dr. Yasemin YAYLALI, Ataturk University Publications, 2021, pp. 377–388.

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- 14. Divya Jyot Kaur, Dr. Niraja Saraswat and Dr. Irum Alvi, "Exploring the Effects of Blended Learning using WhatsApp on Language Learners' Lexical Competence", Rupkatha Journal on Interdisciplinary Studies in Humanities, Indexed by Web of Science, Scopus, ERIHPLUS, EBSCO, UGC, Volume :13, No.4 / 1-17 / 2021
- 15. Niraja Saraswat and Irum Alvi, "Motivation Versus Intention of Sharing Fake News Among Social Media Users during the Pandemic A SEM Model", Journal of Contemporary Eastern Asia,indexed by Elsevier and Scopus, Volume :20 / 40-62 / 2021
- 16. Bhatt, Preeti. "Love across the Caste Divide in Sangati and Samskara." Dalit Writings: Emerging Perspectives, edited by Santosh Gupta and Bandana Chakrabarty. Rawat Publications, 2022, pp.127-138. ISBN: 9788131612309.
- 17. Nirwan, Chandna Singh, and Preeti Bhatt. "Reading Bama's Karukku, Sangati and Just One Word: An Archetypal Approach." Dalit Writings: Emerging Perspectives, edited by Santosh Gupta and Bandana Chakrabarty. Rawat Publications, 2022, pp. 190-197. ISBN: 9788131612309.
- 18. Nirwan, Chandna Singh, and Preeti Bhatt."An Analysis of Caste Discrimination and Gender Bias in Bama'sSangati through the Lens of Archetypal Criticism." Multidisciplinary Approach to Sustainable Development Goals: Some Issues and Reflections, edited by K. Shanmugan and Dipti Sharma. 2021. Published by - Amazon Kindle Direct Publishing House. Year: 2021. ISBN: 9798513908517.
- 19. Gulati, Nitika, Preeti Bhatt, Sanjay Arora. "English for Employability: An Analysis of Language Needs of Engineering Students" in Multidisciplinary Approach to Sustainable Development Goals: Some Issues and Reflections. Eds. K. Shanmugan and Dipti Sharma. Published by - Amazon Kindle Direct Publishing House. Year: 2021 ISBN:9798513908517

Research Papers Published in National Journals

- 1. Vibhuti Singh Shekhawat "Kashmir-Pak Perfidy and Proxy War" Political Science Review, Volume: 39-45 / 41-50 / 2021 ISBN: 0554-5196 (Rajasthan University Press).
- 2. Surbhi Sethi, Manju Singh, "Digital Disruption in Indian Higher Education: The new Face of Education to deal with COVID-19", University News, November 29 December 05,2021, Volume: 59(48) / 21 / 2022
- Deepika Joshi and Dipti Sharma. (2022). Are Public Sector Banks Ready to Rollout AI Driven Projects? Employee Perception in Bangalore INDIA, The Indian Economic Journal Sp. Issue 175-185 / 2022 ISBN: 0019-4662 (ABDC: C category Journal).
- Bhatt, Preeti. "Enhancing the Language Proficiency of Engineering Students through the Academic Word List." in Exploring English Language Teaching in India: Theory and Practice. Eds. Nidhi Sharma, Shikha Agarwal, Irum Alvi. Shanlax Publications. 2021. ISBN: 9789391373979.
- 5. Nirwan, Chandna Singh and Preeti Bhatt. "An Analysis of Dalit Life and Identity through Bama's Select Works" in South Asian Literature and Culture: Social Inclusion and Exclusion edited by Priyanka Chaudhary and Tanuja Yadav. Mahi Publications. 2021. ISBN: 978-93-906512-5-2.
- Bhatt, Preeti, and RituPareek."Women's Resistance to Repressive Social Structures in Novels by Githa Hariharan and Khaled Hosseini." in Gender, Culture, South Asia Marginalization and Self in Contemporary Narratives. Eds. Priyanka Chaudhary and Arun Dev Pareek, Mahi Publication, 2021. ISBN: 9789390651504.

List of Papers Presented at International Conferences

- Anita Chalka and NupurTandon, "Resilience and Renewal Objectified Portrayal of Women in Maya Angelous Autobiographical Writings", 2nd Pan NIT HSS Conference on Resilience and Transformation for Global Restructuring MNIT Jaipur 07-January to 09-January, 2022
- Unnati Jain and Nupur Tandon, "The Conundrum of Being a Bacha Posh: An Analysis of Nadia Hadhmiss
 The Pearl That Broke its Shell and One Half From The East," 2nd Pan NIT HSS Conference on Resilience
 and Transformation for Global Restructuring, MNIT Jaipur 07-January to 09-January, 2022



- Mili Jain and Nupur Tandon, "A Foucauldian Butler Apptroach to Gender and Power in LeesaGaziss Novel Hellfire", 2nd Pan NIT HSS Conference on Resilience and Transformation for Global Restructuring, MNIT Jaipur, 07-January to 09-January, 2022
- 4. Purva Bhatt and Manju Singh, "Towards Engaged Academia: Contextualizing Community Engagement in the Indian Higher Education Campuses", 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022) MNIT Jaipur 07-January to 09-January, 2022
- Surbhi Sethi and Manju Singh, "Evaluating the Effectiveness of Blended Learning Environment: Effects on Learning Outcome and Implications for Change in Post COVID India", 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022) MNIT Jaipur 07-January to 09-January, 2022
- 6. Surbhi Sethi and Manju Singh, "Evaluating the Effectiveness of Blended Learning Environment Effects on Learning Outcome and Implications for Change in Post COVID India", Sustainable Future: Innovations in Education by: J K Laxmipat University, Jaipur, 25-26 February, 2022
- 7. Surbhi Sethi and Manju Singh, "Preparing for the Digital Education: A Review of the Educational Policy Response to COVID-19", International Conference on Best Innovative Teaching Practices, BITS Pilani by: BITS Pilani at BITS Pilani 29-31 july, 2021
- Surbhi Sethi and Manju Singh, "Technology-Enabled Blended Learning: A Watershed for Educational Transformation in Post-COVID World", International Conference on Sustainability and Equity, Kalinga Institute of Industrial Technology (KIIT), Orissa by: Kalinga Institute of Industrial Technology Orrissa, 17-18 December, 2021
- Sumedha Bhatnagar and Dipti Sharma, "Strategic Green Investment in Renewable Energy Projects: A Path
 to Cleaner Revival in Post-pandemic India", 4th Finance e-Seminar on 'Unlocking Financial Growth after
 Lockdown: Issues and Challenges Post Pandemic Covid-19', Prestige Institute of Management Gwalior,
 22nd May, 2021.
- 10. Sumedha Bhatnagar and Dipti Sharma, "An Empirical Study of the Impact of Macroeconomic Variables on Green Investment", 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022), MNIT Jaipur, 7th- 9th January, 2022.
- 11. Bhatt, Preeti "Enhancing the Language Proficiency of Engineering Students Through the Academic Word List", International Conference on 'New Directions in English Language Teaching: Issues, Practices, Challenges' by Swami Keshvanand Institute of Technology. Management and Gramothan Jaipur, 03-May to 05-May, 2021.
- 12. Bhatt, Preeti, "In England they are Called the Unemployed: Class Consciousness in Muriel Spark's Novels", International Conference on 'British Fictions of Class Since 1945: Revitalising Class in the Twenty-First Century' by University of Siegen at Germany (Online) 18-June to 19-June, 2021.
- 13. Bhatt, Preeti, "A Psychoanalytic Study of Trauma in Virginia Woolf's Mrs Dalloway and Joseph Heller's Catch 22." International Symposium On "Innovative Trends In Contemporary Language And Literature Research: Theories, Methods And Techniques." Department of German Language and Literature at Atatürk University Faculty of Letters, Turkey (Online) 15-16 October, 2021.
- 14. Bhatt, Preeti, "An Ecocritical Reading of Amitav Ghosh's The Hungry Tide" International Symposium On "Innovative Trends In Contemporary Language And Literature Research: Theories, Methods And Techniques." Department of German Language and Literature at Atatürk University Faculty of Letters, Turkey (Online). 15-16 October, 2021.
- 15. Lata and Dr Preeti Bhatt. "Social Networks as a Cause for Identity Crisis and Emotional Insecurity." 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022), MNIT Jaipur,7th-9th January, 2022.

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- Saloni Kumari, and Dr Preeti Bhatt. "The White Tiger: A Study of Trauma within the Cultural Politics of the Indian Society." 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022), MNIT Jaipur, 7th-9th January, 2022.
- 17. Prince Dawar, and Dr Preeti Bhatt. "Social Inequality and Resistance in Edward Albee's The Zoo Story." 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022), MNIT Jaipur, 7th-9th January, 2022.
- 18. Dr Preeti Bhatt and Dr Ritu Pareek, "Lauren Hillenbrand's Unbroken: A Testament to the Resilience of the Human Mind and Body." 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022), MNIT Jaipur, 7th-9th January ,2022.
- 19. Dr Preeti Bhatt. "The Representation of Trauma in Kurt Vonnegut's Slaughterhouse-Five." CRISA 2021 Crossroads: An Intersectional Approach to English Language and Literature, a two-day International Virtual Conference. Organised by the Department of English, Vel Tech Rangarajan Dr. Sagunthala RandD Institute of Science and Technology, Chennai. 17-18 November 2021.
- 20. Heena Choudhary, Nidhi Bansal, "Comprehensive Overview of Digital Literacy Research From 1976 to 2021: Trends and Future Directions", 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022), MNIT Jaipur, 2022

List of Papers Presented at National Conferences

- 1. Surbhi Sethi and Manju Singh, "Evaluating the Effectiveness of Blended Learning Environment Effects on Learning Outcome and Implications for Change in Post COVID India", Sustainable Future: Innovations in Education, J K Laxmipat University, Jaipur, 2022
- Purva Bhatt and Manju Singh, "Towards Engaged Scholarship: Remaining Knowledge Creation for a Post Pandemic World", National Conference on Many Facets of COVID-19 Pandemic, Council of Social Development, Hyderaba, 2022
- Surbhi Sethi and Manju Singh, "Evaluating the Effectiveness of Blended Learning Environment: Effects on Learning Outcome and Implications for Change in Post COVID India", 2nd Pan NIT HSS International Conference on Resilience and Transformation for Global Restructuring (ICRTGR 2022), MNIT Jaipur, 2022
- Srishti Saxena and Manju Singh, "An Assessment of Return and Reintegration Program for Labour Migrants in India", National Conference on "Many Facets of COVID-19 Pandemic, Council of Social Development, Hyderabad / - / 2022
- 5. Mehak Sharma and Manju Singh, "Digital Financial Inclusion in the Era of COVID-19", National Conference on "Many Facets of COVID-19 Pandemic", Council of Social Development, Hyderabad, 2022
- Deepika Joshi and Dipti Sharma, Are Public Sector Banks Ready to Rollout AI Driven Projects? Employee Perception in Bangalore INDIA, presented at103rd Annual conference of the Indian Economic Association held, Manipal University, Jaipur during 4th -6th January, 2022.
- Heena Choudhary, Nidhi Bansal, "A Review of Barriers Affecting the Effectiveness of Digital Literacy Training Programs (DLTPs) for Marginalised Populations", Sustainable Development and Quality of Life-Prerequisites in Post-Pandemic Society, University of Rajasthan, Jaipur / March 2022
- 8. Heena Choudhary, Nidhi Bansal, "A Review of Curriculums Adopted in Digital Literacy Training Programs: Implications for Skills-Based Curriculum Policies", SUSTAINABLE FUTURE: INNOVATIONS in EDUCATION, J K Laxmipat University, Jaipur / 25-26 February 2022



Books Published

S. No.	Title	Author	Publisher
1.	"Resilience and Transformation for	Prof. Manju Singh,	ETHICS INTERNATIONAL
	Global Restructuring" ISBN:978-1-	Prof. Nupur Tandon,	PRESS LIMITED, UK.
	871891-59-1 Year: 2022	Dr. Preeti Bhatt, and Dr.	
		Vidy Potdar	
2.	Multidisciplinary Approach to	ed. K Shanmugan and	Amazon US, ISBN: 9798458
	Sustainable Development Goals	Dipti Sharma	796453, 2021.
	Some Issues and Reflections		(Print/Hardback)

Membership of Professional bodies

S. No.	Name of Faculty	Membership		
1.	Prof. Manju Singh	Life Member, Indian Economic Association		
		Life Member, Indian Society for Labour Economics		
		Life Member, Rajasthan Economic Association		
		Life Member, Indian Society for Training and Development		
2.	Dr. Dipti Sharma	Life Member, Indian Economic Association, New Delhi		
		Life Member, Rajasthan Economic Association		
3.	Dr Preeti Bhatt	Executive Member, English Language Teachers Association of India.		
		Life Member of Forum on Contemporary Theory, Baroda.		
		Life Member of Indo-German Society Jaipur.		
4.	Dr Nidhi Bansal	Life Member of Indian Sociological Society		
		Life Member of Rajasthan Sociological Association		
		Life Member, Member RC13, RC23, RC32 of International Sociological		
		Association, Spain		
5.	Dr. Niraja Saraswat	ELTAI ,TESOL,IATEFL,VOICES		

Any other details worth publication in Annual Report 2021-22

S. No.	Name of	Perticulars	
	Faculty		
1.	Dr Preeti Bhatt,	Grant of Rs 2.5 lakhs awarded by the Indian Council of Social Science	
	Prof. Manju	Research, New Delhi, as partial funding to organize the 2nd Pan NIT HSS	
	Singh, Dr Nidhi	International Conference on Resilience and Transformation for Global	
	Bansal	Restructuring (ICRTGR 2022) in hybrid mode at MNIT Jaipur, from 7th-	
		29th January 2022.	
2.	Dr. Niraja	Developed a MOOC course on English for Personal and Professional	
	Saraswat	Development.	
3.	Prof. Manju	Developed a MOOC Course on "Ethics for life" in association with IIIT	
	Singh	Kota:	
		Mindfullness for Wellbeing	
		Ethics for Life	
		Social Entreprenuership for Change	
4.	Dr. Preeti Bhatt	Reviewer for IIS University Journal of Arts (a UGC CARE Journal)	



11.9 SCHOLARSHIPS AND AWARDS

For Postgraduate courses students

S.No.	Name of Scholarship	Address	Amount	Conditions
1.	Government of India (MHRD) New Delhi	MHRD New Delhi	Rs. 12400/- PM	For M. Tech./M.Plan. (GATE Qualified Candidates)
2.	Scholarship to sponsored candidates QIP (Poly) Scheme scholarship from AICTE, New Delhi	Advisor, All Indian Council for Technical Education Sports Complex IP Estate New Delhi- 110002	Rs. 9000/- PM + contingency Rs. 5000/- PA	For M. Tech.

For Ph.D. Scholars

S.No.	Name of Scholarship	Address	Amount	Conditions
1.	CSIR-UGC Fellowship etc.	CSIR Complex PUSA New Delhi	JRF/SRF/RA+HRA	For Ph.D.
2.	Institute Fellowship JRF/SRF	Institute	Rs. 31000/- per month + 16% HRA (for first two years) JRF Rs. 35000/- per month +16% HRA (for next three years) SRF (w.e.f. January 2019)	For Ph.D.
3.	Scholarship to Sponsored Candidates QIP +Scheme Scholarship from AICTE, New Delhi	Advisor, All India Council of Technical Education Ports Complex IP Estate New Delhi -110002	Rs. 15000/- PM + Contingency Rs. 15000/- PA	For Ph.D.



	l of Sanction / Payment of various scholarship's for the financial 2020-21 01/04/2020 to 31/03/2021	YEAR 202	20-21
S. No.	Particulars	Amount in Rs.	No. of Students
1.	Central Sector Scholarship for College and University Student MHRD Higher Education by MHRD	380000.00	26
2.	Central Sector Scholarship Scheme of Top Class Education for SC Students	2551440.00	43
3.	Employee wards Scholarship	552015.00	24
4.	Foundation for Academic Excellence and Assess (FAEA)	40000.00	1
5.	JandK PMSSS By AICTE Scholarship	385233.00	2
6.	Minority Scholarship (Merit-cum-Means)	885008.00	20
7.	MREC 1988 Batch Scholarship	75000.00	3
8.	Mukhya Mantri Medhavi Vidhyarthi Yojna" M.P. (MMVY)	1915544.00	20
9.	Mukhya Mantri Sarvajan Uchcha Shiksha Chhatravriti Yojana, Govt. of Rajasthan	2005293.00	93
10.	National Fellowship and Scholarship for Higher Education of ST Students – Scholarship (Formally Top Class Education for ST Students)	1953660.00	60
11.	NCERT Scholarship	63000.00	3
12.	NHFDC Scholarship	107000.00	3
13.	Nirman Shramik Shiksha Kaushal Scheme	23000.00	1
14.	OPJEMS Scholarship	160000.00	2
15.	Post Matric Scholarship (Other than Rajasthan)	2234443.00	73
16.	Post Matric Scholarship Govt.of Rajasthan	920668.00	55
17.	Post Matric Scholarship for Students with Disabilities	498700.00	18
18.	Prime Minister Scholarship (PMSS)	254000.00	8
19.	Raj and Sarla Bhargava Scholarship	15000.00	1
20.	Samsung Star Scholarship	647136.00	8
21.	Scholarship for Top Class Education for Student with Disabilities	68000.00	1
22.	Scholarship Scheme for Diaspora Children (SPDC) by EdCIL (India) Limited	3872935.00	18
23.	Sumedha Scholarship	50000.00	2
24.	Sumedna Scholarship 50000. Swami Dayanand Charitable Education Foundation (Merti-cum- Means Scholarship) 45000.		
25.	Swami Sivannanda Memorial Scholarship	96000.00	4
26.	UJJAR-100 Scholarship Scheme	10815.00	1
	TOTAL	19808890.00	492



UG SCHOLARSHIP AND AWARDS (2021-22)

S. No.	Name of Scholarship	Address	Amount	Conditions
1.	Central Sector Scholarship Scheme of Top Class Education for Schedule Caste (SC) students	Ministry of Social Justice and Empowerment, govt. of India New Delhi	All non- refundable fees, Lodging and boarding charges, stationery and latest Computer	Central Sector Scholarship Scheme of Top Class Education for 12 Schedule Caste (SC) students
2.	National Fellowship and Scholarship for Higher Education of ST students (CSSS Top Class ST students)	Ministry of Tribal Affairs (Education section) Govt. of India, New Delhi.	All non- refundable fees, lodging and board charges, stationery and latest computer	Central Sector Scholarship Scheme of Top Class Education for Schedule Tribe (ST) Students.
3.	National Handicapped Finance and Development Corporation(Ministry of social Justice and Empowerment, Govt. of India)	National Handicapped Finance and Development Corporation(Ministry of Social Justice and Empowerment, Govt. of India) Red Cross Bhawan, Sector-12, Faridabad-121007	(I) Trust Fund	Differently- abled Students
4.	National Scholarship for Persons with Disabilities (Ministry of Social Justice and Empowerment GOI) Trust fund	Ministry of Social Justice and Empowerment, Govt. of India New Delhi	Reimbursement of compulsory non refundable fees, maintenance allowance charges, Book allowance and Aids and Assistive Devices	Differently- abled Students
5.	Merit-Cum-Means based scholarship scheme belonging to the minority communities	Ministry of Minority Affairs, Govt. of India, CGO Complex, Lodhi Road, New Delhi	Fees etc.	Minorities scholarship scheme belonging to the minorities communities
6.	National Talent Search Scholarship (NCERT)	National Council of Education Research and Training, Sri Aurobindo Marg,New Delhi	Rs. 24000/- P.A	National Talent Student



7.	NTPC Ltd. (A Govt. of India Enterprises)	NTPC Limited , NTPC Bhawan, Scope Complex Core-7, Institutional Area, Lodi Road,New	Rs. 4000/- P.M.	For SC/ST Students
8.	O.N.G.C. Dehradun for SC/ST	Delhi 110003 General Manager ONGC, Tel Bhavan, Dehradun 248003	Rs. 48000/-	Merit ONGC finalizes the
9.	O.N.G.C Scholarship	Oil and Natural Gas Corporation Limited, ONGC Academy, KDMIPE Campus, Dehra Dun- 248195, India	Rs.60000/- each	merit (1) Chemical Engg. (2) Mechanical Engg.
10.	Swami Sivananda memorial Scholarship	Divine Life Society, Shivanandanagar, DisttTehri- Garhwal,Uttarkhand,Himalayas (India) -249192	Rs.12,00,000/- Corpus Fund	Need-cum- merit basis (One each I, II, III, IV years students Rs 24000/-)
11.	Raj and Sarla Bhargava Scholarship	Canada	Corpus Fund Rs. 100000/-	Merit cum means for Third Year Electronics students Rs. 15000/-
12.	Prof. S. K. Gupta Gold Medal	Alumni of MNITJ Mechanical Branch Passed in 1994	Corpus Fund Rs. 150000/-	One of the passing out students of B. Tech. (Mechanical Engineering) every year.
13.	O. P. Jindal Engineering and Management Scholars	Jindal Center, 12 Bhikaji Cama Place, New Delhi-110066	Rs. 80,000/- P. A.	2 Toppers from each Batch (Civil, Elect., Mech., Metallurgy Engineering)
14.	Foundation for Academic Excellence and Access (FAEA)	C-25 Qutab Institutional Area, New Delhi-110016	Tuition fee, hostel, books, miscellaneous and other maintenance Allowance Etc.	Student belonging to BPL Category, SC/ST Community.



15.	Ratan Lal Kanwar Lal Patni Foundation Scholarship	377-B, 2nd, Floor J,S.S. Road, Chira Bazar, Mumbai -400002 C/o R.K. Marbel Pvt. Ltd, Markarana Road, Madanganj Kishangarh Pin-305801 Dist. Ajmer (Raj.)	Rs. 40000/- P.A.	For all Rajasthan students
16.	Mukhya Mantri Sarvajan Uchcha Shiksha Chhatravriti Yojana 2014-15	Social Justice and Empowerment Department G3/1 Ambedkar Bhawan, Civil Lines Railway Crossing, Govt. of Rajasthan	50% of course fee, except development charges	All Rajasthan bonafied NIT students whose parental income is less than Rs. 5 lakh
17.	Central Sector Scholarship for College and University student by MHRD	Online application	Rs. 10000 P.A.	Merit holder in Board
18.	Special scholarship for Jammu and Kashmir (Department of Higher Education MHRD India)	Online application	Tuition fee upto 1.25 lakh per annum, Hostel fee and incidental upto 1.00 lakh	Student should belong to Jammu and Kashmir and passed 12th from State Board of J and K
19.	Scheme for Award of Engineers India Limited (EIL) Scholarship for SC and ST Undergradute Engineering Students	Application in prescribed performa, Annexure 1 of two page forwarded from office of Dean Student Welfare and submission at Head (HRD) Engineers India Limited, Engineers India Limited, Engineers India Bhawan, EIA-3rd Floor, New Delhi-110066	Rs. 36000 P.A.	Selection shall be made on the basis of performance in Class XII/Diploma in Engineering Candidate should have 55% or equivalent CGPA/CPI in aggregate Class XII/Diploma in Engineering.



20.	Engineer M.K. Surana Memorial Scholarship	Application through the office of the Dean, Students Welfare	Rs. 40000 P.A.	BPL student from all branches Selection shall be made on the basis of merit-cum- means
21.	Samsung Star Scholarship	Passout student of Jawahar Navodaya Vidyalaya	Upto Rs. 2,00,000 P.A.	SAMSUNG STAR SCHOLAR Samsung India Electronics Pvt. Ltd., Corporate Citizenship (CRO) 20th ~ 24th Floor, Two Horizon Centre, Golf Course Road, Sector - 43, DLF Phase V, Gurgaon, Haryana - 122002, India
22.	Mukhya Mantri Medhavi Vidhyarthi Yojana 2017-18	12th class 75% and JEE Mains Rank upto 150000	Course Fee and Hostel Fee charges except Mess Charges	All Madhya pradesh bonafie NIT students whose parental income is less than Rs. 6 lakh with JEE Rank below 1,50,000
23.	Swami Dayanand Scholarship Scheme	12th Class with 85% and JEE Mains Rank under 25000	Rs.50000/- to Rs. 20000/-	All Category
24.	SPDC Scholarship	(a) SPDC is awarded to following four categories: (i) Person of Indian Origin (ii) Non-Resident Indian (iii) Children of Indian Workers in ECR countries studying outside India	First Year :- 75% of the total Institutional Economic Cost (IEC) subject to a maximum of US	DASA students



	(iv) Children of Indian Workers in ECR countries studying in India. The candidate must have secured a minimum of 60% aggregate marks or equivalent grades in aggregate of all the subjects in the qualifying examination. Subjects of Study in Qualifying Exam	\$ Four Thousand (US\$ 4,000) per annum. Second and Subsequent Years:- Students securing 50% marks in aggregate in an academic year with clear pass marks in all subjects of study, would be eligible to receive the maximum admissible scholarship i.e. 75% of IEC or US\$ Four Thousand only (US\$ 4,000)	
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Various State level Scholarships for Post Merit Students/SC/ST/OBC/SBC/PH ETC. For the Year 2021-22

G ovt. Bihar	Education/State Govt./Central Govt. Etc.
Rihar	
Jiiai	Post Metric Scholarship
Tharkhand	Post Metric Scholarship
Orissa	Post Metric Scholarship
Gujarat	Post Metric Scholarship, Chief Minister Scholarship, Gujarat
Uttarakhand	Post Metric Scholarship
Maharashtra	Post Metric Scholarship / National and State Merit Scholarship
M. P.	Post Metric Scholarship, M.P.
U. P.	Post Metric Scholarship, Uttar Pradesh
I and K	Post Metric Scholarship
Andhra Pradesh	Post Metric Scholarship, Hyderabad
Haryana	Post Metric Scholarship
NCT Of New Delhi	Merit Scholarship, Dept. For the Welfare of SC/ST/OBC/MIN.
Chattisgardh	Technical Education Scholarship Raipur
Govt. of Rajasthan	Post Metric Scholarship Dy. Director Social Welfare Dept. SC/ST/OBC/SBC
Raiaethan Roard	Board of Secondary Education, Rajasthan Ajmer and CBSE
	All CBSE Board Scholarship
	Post Metric Scholarship
	Orissa Gujarat Uttarakhand Maharashtra M. P. U. P. and K Andhra Pradesh Haryana HCT Of New Delhi Chattisgardh



MAJOR AWARDEE OF SCHOLARSHIP DURING 2021 PROF. S.K. GUPTA (GOLD MEDAL) AWARD 2021

S. No	Institute ID. No.	Name of the Student	Father's Name	Branch	Award
1.	2017UME1490	DEVANSHU KHANDAL	SH. OMPRAKASH SHARMA	MECHANICAL ENGINEERING	GOLD MEDAL

OPJEMS SCHOLARSHIP 2021

S. No.	Institute ID. No.	Name of the Student	Father's Name	Branch	Award (In Rs.)
1	2018UEE1361	RUPAL	SH. SANJAY	ELECTRICAL	80,000
1.	2016UEE1301	AGRAWAL	AGARWAL	ENGINEERING	80,000
2.	2018UME1392	SAHAJ SANJAY	SH. SANJAY	MECHANICAL	80,000
۷.	2016UME1392	PHALORH	PHALORH	ENGINEERING	80,000
3.	2020UME2018	SWEETY	SH. MOHAN	MECHANICAL	80,000
٥.	2020OME2018	SINDURIA	SH. MOHAN	ENGINEERING	80,000
1	2019UCE1797	YASHI	SH. AJAY KUMAR	CIVIL ENGINEERING	80,000
4.	2019UCE1797	AGRAWAL	GUPTA	CIVIL ENGINEERING	80,000

RAJ and SARLA BHARGAVA MEMORIAL SCHOLARSHIP 2021

S. No.	Institute ID. No.	Name of the Student	Father's Name	Branch	Award (In Rs.)
1.	2018UEC1013	HARSHIT VERMA	SH. VITENDRA VERMA	ELECTRONICS AND COMMUNICATION ENGINEERING	15,000

SWAMI SIVANANDA MEMORIAL SCHOLARSHIP AWARD 2021

S. No.	Institute ID. No.	Name of the Student	Father's Name	Branch	Award (In Rs.)
1.	2021UCP1062	MONIKA	SH. RANJEET	COMPUTER SCIENCE AND ENGINEERING	24,000
2.	2020UCE1961	RISHI KUMAR	SH. SATYAVEER SINGH	CIVIL ENGINEERING	24,000
3.	2019UEC1597	NAMAN DHAMANI	SH. GIRIRAJ PRASAD GUPTA	ELECTRONICS and COMMUNICATION ENGINEERING	24,000
4.	2018UME1245	JAY RATHI	SH. RAVI RATHI	MECHANICAL ENGINEERING	24,000



M.K. SURANA MEMORIAL SCHOLARSHIP 2021

S. No.	Institute ID. No.	Name of the Student	Father's Name	Branch	Award (In Rs.)
1	2020UCH1406	SHIVAM	SH. RAJESH	CHEMICAL	40,000
1.	2020CH1400	KHANDELWAL	KHANDELWAL	ENGINEERING	40,000

MREC 1988 Batch Scholarship 2021

	MIKEE 1700 Batch Scholarship 2021					
S. No.	Institute ID. No.	Name of the Student	Father's Name	Branch	Award (In Rs.)	
1.	2021UEC1469	GEDUPUDI BHARGHAV RAM	SH. GEDUPUDI RAMESH	ELECTRONICS and COMMUNICATION ENGINEERING	25,000	
2.	2020UMT1462	ANSHU PRIYA	SH. LALIT SHEKHAR SINGH	METALLURGICAL AND MATERIALS ENGINEERING	25,000	
3.	2019UCH1554	KHOOB CHANDRA RAJPUT	SH. ASHARAM	CHEMICAL ENGINEERING	25,000	

11.10 Training and Placement UG Placements - Branch - Wise Summary

S. No.	Branch	Students Placed	Total Offers	Eligible Students	% of Placed Students	Highest Package	Average Package
1.	ARCHITECTURE AND PLANNING	27	27	35	77.14	10.50	5.08
2.	CHEMICAL ENGINEERING	81	95	81	100.00	48.00	8.87
3.	CIVIL ENGINEERING	48	55	68	70.59	19.00	7.03
4.	COMPUTER SCIENCE AND ENGINEERING	98	123	100	98.00	64.00	20.49
5.	ELECTRICAL ENGINEERING	69	81	95	72.63	32.16	11.27
6.	ELECTRONICS AND COMMUNICATION ENGINEERING	87	109	89	97.75	64.00	18.01
7.	MECHANICAL ENGINEERING	87	112	100	87.00	23.00	10.15
8.	METALLURGICAL AND MATERIALS ENGINEERING	68	87	77	88.3	19.62	8.75
Tota	ıl	565	689	645	87.60	64.00	12.43



PG Placements - Branch - Wise Summary

S.No.	Branch	Students Placed	Highest Package	Average Package
1.	CENTRE FOR ENERGY AND ENVIRONMENT	7	10	5.37
2.	CHEMICAL ENGINEERING	5	7.5	6.50
3.	CHEMISTRY	1	7.25	7.25
4.	CIVIL ENGINEERING	10	7.25	5.86
5.	COMPUTER SCIENCE AND ENGINEERING	42	30	13.38
6.	ELECTRICAL ENGINEERING	41	16.25	8.41
7.	ELECTRONICS AND COMMUNICATION ENGINEERING	57	30	11.01
8.	MANAGEMENT STUDIES	33	12	6.69
9.	MATERIAL RESEARCH CENTER	2	6.65	5.83
10.	MATHEMATICS	7	11.4	7.12
11.	MECHANICAL ENGINEERING	57	10.5	9.19
12.	METALLURGICAL AND MATERIALS ENGINEERING	3	8.46	7.18
13.	NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	2	12	8.40
14.	PHYSICS	6	7.25	6.48
15.	ARCHITECTURE AND PLANNING	1	6.65	6.65
Grand	Total	274	30	9.37

Internship - Degree Wise

S.No.	Degree	No. of Students
1.	B.Tech	265
2.	M.Tech	134
3.	MBA	14
	Total	413

Total Package Details (UG)

Maximum Package (in LPA)	Average Package (in LPA)		
64	12.43		

Total Package Details (PG)

Maximum Package (in LPA)	Average Package (in LPA)		
30	9.37		

MNIT JAIPUR



List of Prominent Recruiters Visited in 2021-22

Addverb, Adobe, Airtel, Amazon, Analytics Quotient (Kantar), Apple, Arcesium, Bajaj Motors, BEL, BHEL, Box 8, BPCL, Cape Gemini, CommVault, Dassault Systems, Deloitte, De Shaw, Deutsche Bank, EIL, Flipkart, GAIL, GE, GEP, Goldman Sachs, Hero MotoCorp, HPCL, Ixigo, JCB, JP Morgan, LandT, Maruti Suzuki, Math works, MediaTek, Mercedes Benz, Micron, Oracle, Paisa Bazaar, Paytm, Publicis Sapient, Qualcomm, Reliance, Salesforce, Samsung Electronics, Samsung RandD, Schneider Electric, Siemens, Suzuki Motors, Tata Motors, Tata Power, Tata Steel, Texas Instruments, Toshiba, TransOrg, ZS Associates etc.

Part II Annual Accounts & Audit Report







भारतीय लेखापरीक्षा और लेखा विभाग

कार्यालय प्रधान निदेशक लेकापरीका (केन्द्रीय), अहमदाबाद शाखा कार्यालय राजस्थान, जनपथ, जयपुर-302005

INDIAN AUDIT AND ACCOUNTS DEPARTMENT Office of the Principal Director of Audit (Central), Ahmedabad Branch Office Rajasthan, Janpath, Jaipur-302005 क्रमांकः सी.आर.ए.॥(व्यय)/एस.ए.आर./एमएनआईटी/21-22/559

दिमांक. 29.09.2022

सेवामें, सचिव, भारत सरकार शिक्षा मंत्रालय, उच्च शिक्षा विभाग, शास्त्री भवन, नई दिल्ली-110001

विषयः मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान, जयपुर के वर्ष 2021-22 के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन।

महोदय.

कृपया वार्षिक लेखों की प्रति के साथ वर्ष 2021-22 के लिए मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान, जयपुर के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन सलंग्न है।

- 2. लेखापरीक्षित लेखे और पृथक लेखापरीक्षा प्रतिवेदन को, इससे पहले कि इन्हें मंत्रालय द्वारा संसद के समक्ष रखे जाने के लिए भेजा जाये, विचार और अंगीकरण और उस पर पारित संकल्प के लिए, संस्थान के शीर्ष शाषी निकाय की वार्षिक आम बैठक के समक्ष प्रस्तुत किया जाना आवश्यक है।
- 3. संसद के समक्ष लेखापरीक्षित लेखा और पृथक लेखापरीक्षा प्रतिवेदन प्रस्तुत करने की तारीखों के बारे में कृपया स्चित करें। मुद्रित दस्तावेजों के पांच सेट (लेखापरीक्षा प्रतिवेदन, वार्षिक प्रतिवेदन एवं लेखापरीक्षित लेखे) भी कृपया इस कार्यालय को भेजें।
- कृपया दस्तायेजों की प्राप्ति की सूचना देवैं।

संलग्नः उपरोक्तानुसार।

भवनिष्ठ.

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निदेशक/सी.आर.ए..।।



Mahalekhakar Bhawan, Janpath, Jaipur-302005 PBAX: 0141-2385430-39 महालेखाकार भवन, जनपब, जयपुर-302005 ई-मेल / E-mail : brpdacahmedabad@cag.gov.in



क्रमांकःसी.आर.ए.II(व्यय)/एस.ए.आर./एमएनआईटी/21-22/560

पृथक लेखापरीक्षा प्रतिवेदन और लेखापरीक्षित लेखों की प्रति निदेशक, मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान. जे.एल.एन. मार्ग, जयपुर 302015 को इस टिप्पणी के साथ अग्रेषित की जाती है कि लेखापरीक्षित लेखे एवं पृथक लेखापरीक्षा प्रतिवेदन संस्थान की शीर्ष शाषी निकाय की वार्षिक आम बैठक में अंगीकृत/विचार किये जाना सुनिश्चित करें एवं लेखापरीक्षित लेखों पर अंगीकृत/विचारित संकल्प तथा उस पर प्रतिवेदन इस कार्यालय को प्रस्तुत किया जावे। यह भी लेख है कि संस्थान यदि आवश्यकता अनुभव करे, तो इस प्रतिवेदन का हिन्दी अनुवाद अपने स्तर पर करवा सकता है परन्तु इस प्रतिवेदन के हिन्दी अनुवाद में निम्नलिखित अंकित होना चाहिए:

"प्रस्तुत प्रतिवेदन मूल रूप से अंग्रेजी में लिखित लेखापरीक्षा प्रतिवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विसंगति परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा"।

हिंदी अनुवाद की एक प्रति इस कार्यालय को भी प्रेषित करें।

संलग्नः उपरोक्तानुसार।

निदेशक/सी.आर.ए.-।।

AR (Andul-)



Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Malaviya National Institute of Technology, Jaipur for the year ended 31 March 2022

We have audited the attached Balance Sheet of the Malaviya National Institute of Technology (MNIT), Jaipur as at 31 March 2022, the Income and Expenditure Account and the Receipts and Payments Account for year ended on that date under Section 19(2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with Section 22(2) of the National Institutes of Technology Act, 2007. These financial statements are responsibility of MNIT's management. Our responsibility is to express an opinion on these financial statements based on our audit.

- 2. This Separate Audit Report contains the comments of the Comptroller and Auditor General of India (C&AG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards, disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/C&AG's Audit Reports separately.
- 3. We have conducted our audit in accordance with the auditing standards generally accepted in India. These standards require that, we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
- 4. Based on our audit, we report that:
- We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- ii. The Balance Sheet, Income and Expenditure Account and Receipts and Payments Account, dealt with by this report have been drawn up in the format approved by Ministry of Human Resource Development (MHRD), Government of India (GoI) vide order No.29-4/ 2012-FD dated 17 April 2015.
- iii. In our opinion, proper books of accounts and other relevant records have been maintained by the Institute in so far as it appears from our examination of such books.
- iv. We further report that:



Comments on Accounts:

A. Balance Sheet

A.1 Assets

Fixed Assets (Schedule-4): ₹ 504.79 crore

Buildings: ₹ 336.79 crore

A.1.1 The above does not include ₹ 29.17 crore towards the cost of construction of Vth block of Multi-storeyed Type-IV Quarters which had been put to use for residential purpose since June 2020.

This has resulted in overstatement of Capital Work in Progress by ₹ 30.39 crore, understatement of Buildings (Fixed Assets) by ₹ 29.17 crore (₹ 30.39 crore less depreciation @ 2 per cent for two years), understatement of Depreciation for the year by ₹ 0.61 crore and understatement of Prior Period Expenses by ₹ 0.61 crore. Consequently, the Deficit for the year has been understated by ₹ 1.22 crore.

Electric Installation and Equipment: ₹ 11.62 crore

A.1.2 The above does not include ₹ 5.86 crore for construction of two 33/11 KV Substations and underground H.T. cabling which have been utilising since May 2021 after completion of the project.

This has resulted in overstatement of Capital Work in Progress by ₹ 6.17 crore, understatement of Electric Installation & Equipment (Fixed Assets) by ₹ 5.86 crore (₹ 6.17 crore less depreciation @ 5 per cent) and understatement of Depreciation by ₹ 0.31 crore. Consequently, the Deficit for the year has been understated by ₹ 0.31 crore.

B.1 Liabilities

B.1.1 Current Liabilities and Provisions (Schedule-3): ₹ 450 crore

Unutilised grants: ₹ 7.41 crore

The above include negative balance of ₹ 1.48 crore due to grant receivable for creation of barrier free environment under the Scheme for Implementation of Persons with Disabilities Act (SIPDA) has incorrectly been debited under this head.

This has resulted in understatement of Unutilized Grants as well as Grants Receivable under Loans, Advances and Deposits by ₹ 1.48 crore.

C. General

C.1 Interest earned as well as accrued has not been credited in the four Funds (Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund) in accordance with the balances of these funds shown in the books of accounts due to either non-operating separate bank accounts or non-disclosing the corresponding/representative bank



balances/investment in Annual Accounts. The investments of these funds needs to be bifurcated and interest earned from these investments should be accounted.

D. Grant-in-aid

At the beginning of year 2021-22, unspent balance of ₹ 0.06 crore (QIP POLY Grant) was available with the Institute. During the year 2021-22, MNIT received Grant-in-aid of ₹ 188.60 crore (General Head: ₹ 56.88 crore, Salary Head: ₹ 100.78 crore, Capital Assets Head: ₹ 30.06 crore, Interest on HEFA Head: ₹ 0.88 crore from Gol). Out of the available funds of ₹ 188.66 crore, the Institute could utilise a sum of ₹ 162.58 crore (Capital Expenditure: ₹ 17.24 crore and Revenue Expenditure: ₹ 145.34 crore) besides Grants lapsed ₹ 17.19 crore, thereby leaving unspent balance of ₹ 8.89 crore as on 31 March 2022.

E. Net Effect of Audit comments on Accounts

The net impact of the comments given in the preceding paragraphs is that as on 31 March 2022, Assets were understated by $\stackrel{?}{\underset{?}{|}}$ 0.05 crore, Liabilities were understated by $\stackrel{?}{\underset{?}{|}}$ 1.48 crore and the Deficit was understated by $\stackrel{?}{\underset{?}{|}}$ 1.53 crore.

F. Management Letter

Deficiencies which have not been included in the SAR, have been brought to the notice of the management through a management letter issued separately for remedial/corrective action.

- v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.
- vi. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters, stated above and other matters mentioned in Annexure to this SAR give a true and fair view in conformity with accounting principles generally accepted in India.
- In so far as it relates to the Balance Sheet, of the state of affairs of the MNIT, Jaipur as at 31 March 2022, and
- In so far as it relates to Income and Expenditure Account of the deficit for the year ended on that date.

For and on behalf of the C&AG of India

Place: Ahmedabad

Date :

V.N. Joothan

Principal Director of Audit (Central) Ahmedabad



Annexure

1. Adequacy of Internal Audit System

- Internal audit was not conducted during the year 2021-22.
- There is no Internal Audit Manual in MNIT. Drafting of Internal Audit Manual is under process.
- As such, Internal Audit System is inadequate.

2. Adequacy of Internal Control System

Internal Control System is adequate.

3. Physical Verification of Fixed Assets

The physical verification of fixed assets for the year 2021-22 was not conducted.

4. Physical Verification of Inventory

Physical verification of inventory for the year 2021-22 was not conducted.

5. Regularity in payment of Statutory dues

MNIT was regular in payment of Statutory dues.



Statement of Net effect of Audit on accounts of MNIT, Jaipur for the year 2021-22

(₹ in crore)

S. No.	Comment No.	Liabilities		Assets		Deficit	
		Overstated	Understated	Overstated	Understated	Overstated	Understated
1.	A.1.1			30.39	29.17		1.22
2.	A.1.2			6.17	5.86		0.31
3.	B.1.1		1.48		1.48	<u> </u>	
	Total	<u>:</u> 	1.48	36.56	36.51		1.53
	Net Impact	 	1.48		0.05		1.53

Liabilities understated = ₹ 1.48 crore

Assets understated = ₹ 0.05 crore

Deficit understated = ₹ 1.53 crore

Sr. Audit Officer/CRA-II(Exp.)





विजय एन. कोठारी, आइं.ए.&ए.एम Vijay N. Kothari, IA&AS

प्रधान निदेशक लेखापरीक्षा (केन्द्रीय) अहमदाबाद

Principal Director of Audit (Central) Ahmedabad

D.O. No. CRA-II (Exp.)/SAR/MNIT/2021-22/561 29 September 2022

Dear Mr. Padhy.

The Annual Accounts of the Malaviya National Institute of Technology, Jaipur for the year 2021-22 were audited by this office for which a Separate Audit Report (SAR) has been issued vide letter No. CRA II (Exp.)/SAR/MNIT/2021-22/560 dated 28-63-22. During the course of audit, certain minor deficiencies were also noticed which have not been included in the SAR. These are annexed herewith for corrective and remedial action.

with nyands,

Yours sincerely.

V.N. Jeethan

Prof. N.P. Padhy, Director, Maiaviya National Institute of Technology, JLN Marg, Jalpur- 302 017.

Encls.: As above.

Phone : 079-26560133 Fax : 079-26560134 4th Floor, Audit Bhavan, Navrangpura, Ahmedabad-360 009 E-mail : kothar(V@cag.gov.in



Annexure

1. Sundry Creditors Others: ₹ 492.04 lakh

The above does not include the outstanding liability of various payments of ₹ 17.54 lakh pertaining to Estate Maintenance for the year 2021-22.

- 2. MNIT is not maintaining the Asset Register due to which the accuracy of Gross Block of assets shown in Annual Accounts could not be ascertained.
- 3. Schedule-3.A.6(b) Sponsored Projects having totaling mistakes in some columns and opening & closing balances depicted as previous year, which needs to be corrected.
- 4. Interest credited in Savings Bank Account No. 676801701341 at ICICI Bank amounting to ₹ 33,746 has not been taken in the books of accounts.

Director/CRA-II



BALANCE SHEET 2021-22



Malaviya National Institute of Technology Jaipur J.L.N. Marg, Jaipur – 302017







MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR Balance Sheet 2021 – 22

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Balance Sheet as on 31st March 2022

Amount in Lakh

SOURCES OF FUNDS	Schedule	Current Year	Previous Year
CORPUS/CAPITAL FUND	1	22,639.84	23,061.03
DESIGNATED / EARMARKED / ENDOWMENT FUNDS	2	16,697.49	14,403.44
CURRENT LIABILITIES AND PROVISIONS	3	44,977.50	40,602.77
TOTAL		84,314.83	78,067.24
APPLICATION OF FUNDS	Schedule	Current Year	Previous Year
FIXED ASSETS	4	50,478.83	50,710.77
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	5	13,465.27	9,013.35
INVESTMENTS - OTHERS	6	0.00	0.00
CURRENT ASSETS	7	17,891.62	16,237.45
LOANS ADVANCES AND DEPOSITS	8	2,479.11	2,105.67
TOTAL		84,314.83	78,067.24

Significant Accounting Policies 23

Contingent Liablities and Notes to Accounts 24

Assistant Registrar Registrar Director



Income & Expenditure Account for the period ended on 31st March 2022

Amount in Lakh

Particulars	Schedule	Current Year	Previous Year
INCOME			
ACADEMIC RECEIPTS	9	2,938.59	2,644.34
GRANTS / SUBSIDIES	10	14,533.39	12,708.40
INCOME FROM INVESTMENTS	11	484.07	522.19
INTEREST EARNED	12	137.70	125.51
OTHER INCOME	13	414.92	382.93
PRIOR PERIOD INCOME	14	91.34	9.02
TOTAL(A)		18,600.01	16,392.38
EXPENDITURE			
STAFF PAYMENTS AND BENEFITS (ESTABLISHMENT EXPENSES)	15	15,853.07	16,150.58
ACADEMIC EXPENSES	16	2,522.37	1,941.00
ADMINISTRATIVE AND GENERAL EXPENSES	17	1,192.76	1,053.33
TRANSPORTATION EXPENSES	18	12.55	6.99
REPAIRS AND MAINTENANCE	19	285.00	272.01
FINANCE COSTS	20	79.55	111.60
OTHER EXPENSES	21	1.26	0.00
PRIOR PERIOD EXPENSES	22	1.94	328.84
DEPRECIATION	4	1,789.18	1,774.50
TOTAL(B)		21,737.68	21,638.86
Balance being excess of Income over Expenditure (A-B)		(2.127.67)	(F 246 49)
Transfer to /from Designated Fund		(3,137.67)	(5,246.48)
Building Fund		-	-
Others		-	-
Balance being Surplus/(Deficit) carried to Capital Fund		(3,137.67)	(5,246.48)

Significant Accounting Policies 23
Contingent Liablities and Notes to Accounts 24

Assistant Registrar Registrar Director



SCHEDULE-1 CORPUS FUND/CAPITAL FUND

Amount in ₹

Particulars	Current Year	Previous Year
Balance at the Beginning of the Year	2,306,103,405.68	2,632,412,897.44
Add: Contributions towards Corpus/Capital Fund	81,585,272.32	34,480,213.66
Add: Grants from Government of India and State Government to the extent utilized for capital expenditure	172,388,601.00	142,064,227.00
Add: Plan grant for barrier free environment (SIPDA)		-
Add: MP Local Area Development Fund		-
Add: Assets Purchased out of Earmarked Funds (PDF/DEVLOPMENT FEE/BOOK BANK/AKSHYA NIDHI etc.)	17,398,555.00	8,974,304.00
Add: Other Additions (NIT UK/MRC/CMSIC etc)	276,120.00	-
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution		-
Add: Assets Donated/Gifts Received		-
Add: Other Additions		12,820,472.88
Deduct: Deficit transferred from the Income & expenditure Account		0.00
Add: Excess of Income over expenditure trasferred from the Income & Expenditure Account	(313,767,782.26)	(524,648,709.30)
Total	2,263,984,171.74	2,306,103,405.68

MNIT JAIPUR





SCHEDULE-2 DESIGNATED / EARMARKED / ENDOWMENT FUNDS

वीव	afred afred													
Amount in ?	Previous Vear	1,285,537,097.77	97,249,192.07	146,831,942.16	9,233,643.00	647,907.00	571,461.00	1,540,071,243.00		8,091,310.00	91,636,519,45		99.727,829.45	1,440,343,413.55
	Current year	1,440,343,413,63	225,349,641,74	23,575,074.85	12,844,490.64	729,399.00	4,541,484.00	1.707,384,503.86		17,398,555.00	20,235,582.93	·	37,635,137.93	1,669,749,365.93
	CENTRAL ADAIN FUND	·		15,300.00	·	•	·	15,300,00		b				15,300.00
	PROFESSIONAL DEVELOPMENT FUND	2,464,020,00	52,719.75	'	·			5,516,739,75	·	158,902.00	854,455.00		1,013,357.00	4,503,382.75
	GUEST HOUSE	25,266,490.36		1,289,261.00		84,969,00	4,541,484.00	31,182,204,36	•	•	2,132,769.92		2,132,769.92	29,049,434,44
	ENDOWMENT FUNDS	•	·	,	·	-	'	'	-	,	•		-	•
	OTHER EARMARKED FUND	2,701,271.65		2,878,090.00	·	•	'	5.579,361.65		'	4,607,277.61		4,607,277.61	972,084.04
	INSTITUTE INFRASTRUCT URE FUND	119,048.89				•	·	119,048.89		•			•	119,048.89
	EQUIPMENT REPLACEMENT 1 FUND	56,877,563.97	8,133,230.00	418,555.87	634,707.92	•	,	66,064,057.76		•	·			66,064,057.76
	MAINTENANCE EUND	58,032,781.37	8,133,230.00	414,079.33	627,919.60	•	·	67,208.010.30		,			•	67,208,010.30
	STAFF DEVELOPMENT FUND	171,742,096.09	10,557,553.36	1,465,226.53	882,481.60	291,451.00	·	184,938,808.58	·	•				184,938,808.58
	STUDENT FUND ENDOWMENT! EARMARKED FUND	1,045,680,568.23	188,813,533.24	15,901,341.27	10,352,295.76	351,738.00	·	1,261,099,476.50	·	17,239,653.00	12,642,065.40		29,881,718.40	1,231,217,758.10
	SPECIAL TRAINING PROGRANIME FOR SCIST STUDENTS	2,993,319.00	·			•	·	2,993,319.00	·	•				2,993,319,00
	NEW PG COURSE FRIDGED BALANCE	205,297.25		'		-		205,297.25	·	•	•		•	205,297.25
	DEPARTEMNT DEVLOPMENT FLND	71,243,480.82	9,659,375,39	1,194,220.85	347,085.76			82,444,162.82			15.00		15.00	82,444,147.82
	RESEARCH DEVELOPMENT FUND				'				'	,			•	'
	PENSION	17,476.00	'		, i	1,241.00	'	18,717.00	·	'	'			18,717.00
	PARTICULARS	a) Opening Balanco	b) Additions during the year	c) Income from investments made of the funds	d) Accrued Interest on investments?	e) Interest on Savings Bank AVC	f) Other Income	Total (A)	Utilisation/Expendit ure towards objectives of funds	a) Capital Expenditure	b) Revenue Expenditure	c) transfer to another funds	Total (B)	Closing Balance (A-B)

Assistant Registrar



Amount in ₹ REPRESENTATION OF DESIGNATED/EARMARKED/ENDOWMENT FUND SHOWN IN SCHEDULE 2 BY:

Previous Vair	776,104,514.91	62,956,691.12	11,282,207.50	1,440,343,413.63
Current year	971,514,962.37	683,472,195.08	14,746,908,48	1,669,734,065,93
RESEAR CH PROMOT 10:N	0.00	000	0.00	ļ.
PROFESSION RESEAR AL DEVELOPME ION NY FUND FUND	3.130,364.60 4,503,382.75	0070	0700	4503382.75
GUEST HOUSE		24,016,652,00	1,902,417.84	29,049,434,44
ENDOW: MENT FUNDS	00:0	0.00	000	
OTHER EARMAKYD FUND	972,084.04	0.00	900)	972,084,04
INSTITUTE OTHER I	119,048.89	000	900	119,048.89
EQUIPAIENT REPLACEMENT PLYD	44,561,548.60	20,867,801.24	634707,92	66,064,057,76
MAINTENANC	45,935,474.50	29,014,055.20 20,644,616.20	0951629	67,208,010.30
STAFF STAFF EUND	155,042,271.78		882481.60	184,938,808.58
STUDENT FUND ENDOWMENT / EARMAKKED FUND	554,398,567.62	56,466,794.72	92.252.26	1,231,217,758,10
SPECIAL TRAINING PROCRAMME FOR SCIST STUDENTS	2,993,319.00	90'0	000	2,993,319,00
NFW PC COURSE FRIDGED BALANCE	205,297.25	000	000	205,297.25
DEPARTEMIT DEVLOPMENT FUND	59,653,503.34	22,443,558,72	3120576	82,444,147,82
RESEARCH Developme NT PCND	000	0.00	000	
PENSION DEPOSIT	00:0	00.717.00	970	18717.00
PARTICU	Cash and bank balances	Investmen ts	Interest accrued but not due! Others	Total

Registrar

Assistant Registrar





ERP ANNEXURE (Schedule - 2 - STUDENT FUND ENDOWMENT/ EARMARKED FUND)

							Amount in ₹
	Opening as on	Grant		Utilization	rtion	Transfer to	Closing as on
Particulars	01.04.2021	Received	Income	Other	Capital	Corpus	31.03.2022
AKSHYA NIDHI FUND	8,172,661.18	-	304,039.00		3,960,143.00	_	4,516,557.18
ALUMINI ASSOCIATION	18,037,788.62	ı	4,055,008.22	2,137,924.00		'	19,954,872.84
ALUMNI CORPUS FUND	1,600,272.00		848,121.00			'	2,448,393.00
BOOK BANK	4,669,900.08	ı				'	4,669,900.08
BOOK BANK SC/ST	3,850.00	1				_	3,850.00
COMPUTER AND INTERNET FEE	152,849,695.00	'	26,211,000.00			'	179,060,695.00
DEVELOPMENT FEE	233,443,103.50	•	34,906,500.00	583,722.00	9,028,669.00	'	258,737,212.50
EDUCATIONAL TOUR	4,156,870.00	'				'	4,156,870.00
EXAMINATION FUND	47,543,003.62	•	11,898,300.00	3,775,836.40		_	55,665,467.22
FINAL DEGREE CERTIFICATE FEES	10,642,750.00	1	2,030,400.00	443,739.00		'	12,229,411.00
IDENTITY CARD	1,977,524.56	ı	140,650.00	124,016.00			1,994,158.56
INDUSTRIAL TRAINING AND PLACEMENT	87,708,222.00	'	12,820,000.00	206,427.00		'	100,321,795.00
INTEREST (STUDENT FUND)	223,899,109.54	'	26,250,976.03			'	250,150,085.57
LABORATORY FEE	•	'	19,432,000.00				19,432,000.00
LIBRARY FEE	104,768,209.00	'	18,031,165.00	19,706.00	4,250,841.00	'	118,528,827.00
PROFESSINAL DEVELOPMENT FEE	3,913,287.00		3,027,000.00	9,928.00		'	6,930,359.00
SPORTS AND CREATIVE ART SOCIETY	66,926,550.22	'	24,298,750.00	762,480.00		'	90,462,820.22
STAFF WALFARE FUND	6,257,441.40	•	212,927.00				6,470,368.40
STUDENT WALFARE FEE	67,808,663.00	ı	26,219,228.00	30,047.00		<u>'</u>	93,997,844.00
STUDENTS INSURANCE	408,898.01	1	4,340,737.00	4,378,890.00		'	370,745.01
TRANSCRIP FEE	892,769.50	'	392,107.02	169,350.00		'	1,115,526.52
Total	1,045,680,568.23	-	215,418,908.27	12,642,065.40	17,239,653.00	•	1,231,217,758.10

Section 1.

ERP ANNEXURE (Schedule - 2 - Other Earmarked Fund)

							Amount in₹	
	Onening as on	Grant		Utilization	ıtion	Transfer to	Closing of on	
Particulars	01.04.2021	Received	Income	Other	Capital	Separate Fund	31.03.2022	
CENTER SECTOR SCHOLARSHIP SCHEME FOR SC STUDENTS	353,695.00		2,543,545.00	2,897,240.00				
GRANT IN AID IIIT PLAN	•			•		•		
INTEREST ON FDR STUDENT FUND WITH AU BANK	•	ı		•	•	•	•	
INTEREST ON FDR OF DR. S.K.GUPTA GOLD MEDAL AWARD	33,645.81	ı		4,998.00	•	,	28,647.81	
INTEREST ON FDR OF RAJ SARLA BHARGAV	260,670.44	ı		15,000.00	•	•	245,670.44	
INTEREST ON FDR OF SWAMI SIVANANDA (SCHOLARSHIP)	232,680.00	ı	164,545.00	99,000.00	•	•	298,225.00	
NATIONAL FELLOWSHIP AND SCHOLARSHIP FOR ST STUDENT	11,300.00	ı	170,000.00	165,000.00	•	•	16,300.00	
NON RECURICLE GRANT VEHICLE	45,507.00	ı		45,507.00	•	•	•	
NON RECURRING GRANT FOR DEV. OF SITE GOVT OF RAJ	688,026.61	ı		688,026.61	•		•	
NON RECURRING GRANT VEHICLE GOI	132,506.00	ı		132,506.00	•	•	•	
PAYABLE TO DR. S. K. GUPTA GOLD MEDAL AWARD	183,240.79			•		•	183,240.79	
PAYABLE TO RAJ SARLA BHARGAVA	200,000.00				٠		200,000.00	
UNSPENT BALANCE FOR PG CORUSE	560,000.00	•		560,000.00			•	
TOTAL	2701271.65		2878090.00	4607277.61		•	972084.04	
								0

Registrar



SCHEDULE-3 CURRENT LIABILITIES & PROVISIONS

Particulars	Current Year	Previous Year
A. CURRENT LIABILITIES		
1. DEPOSITS FROM STAFF	151,200.00	70,200.00
2. DEPOSITS FROM STUDENTS	99,379,298.90	108,561,909.75
3. SUNDRY CREDITORS		
a) FOR GOODS AND SERVICES	136,522,219.15	109,602,803.69
b) OTHERS	49,204,061.50	44,311,354.50
4. DEPOSIT OTHERS(EMD AND SECURITY DEPOSIT)	49,690,904.00	51,371,581.00
5. STATUTORY LIABILITIES(GPF/TDS/WC TAX/CPF/	-	-
a) OVERDUE	-	-
b) OTHERS	2,697,899.78	2,220,271.50
6. OTHER CURRENT LIABILITIES		
a) SALARIES	90,185,430.39	76,630,294.39
b) RECEIPTS AGAINST SPONSORED PROJECTS	174,085,944.49	123,247,120.64
c) RECEIPTS AGAINST SPONSORED FELLOWSHIPS	-	-
d) UNUTILISED GRANTS	74,133,960.00	-47,199,125.77
e) GRANTS IN ADVANCE	-	-
f) OTHER FUNDS (INTEREST PAYABLE ON GRANT)	-	21,627,207.00
g) OTHER LIABILITIES	125,441,219.22	249,101,794.87
Total	801,492,137.43	739,545,411.57

B. PROVISIONS		
PENSION ACTUARIAL LIABILITIES	3,031,111,440.00	2,703,691,349.00
GRATUITY ACTUARIAL LIABILITIES	284,394,338.00	296,432,013.00
LEAVE ENCASHMENT ACTUARIAL LIABILITIES	379,644,761.00	319,130,125.00
PROVISION FOR ACTUARY FEES	29,500.00	47,200.00
PROVISION FOR AUDIT FEES	963,820.00	635,050.00
LEAVE SALARY CONTRIBUTION PROVISION	36,241.00	277,200.00
PROVISION FOR PENSION CONTRIBUTION	77,377.00	518,340.00
Total	3,696,257,477.00	3,320,731,277.00
Grand Total	4,497,749,614.43	4,060,276,688.57



SCHEDULE-3.A.1 DEPOSIT FROM STAFF

Amount in ₹

Particulars	Current Year	Previous Year
SECURITY DEPOSIT BY STAFF	79200	55,200.00
DEPOSIT FROM STAFF (CONSULTANCY)	15,000.00	15,000.00
STAFF CLUB TEACHING DEPOSIT HEAD	57,000.00	-
Total	151,200.00	70,200.00



SCHEDULE-3.A.2 DEPOSIT FROM STUDENT

Amount in ₹

Particulars	Current Year	Previous Year
CAUTION MONEY	94,596,878.00	103,624,228.00
STUDENT FEE REFUNDABLE	4,782,420.90	4,937,681.75
Total	99,379,298.90	108,561,909.75



SCHEDULE-3(A3(a)) SUNDRY CREDITORS - FOR GOODS AND SERVICES

		Amount in ₹
Particulars	Current year	Previous year
ASPENTECH	152,040.00	146,000.00
CPWD	11,805,733.00	11,805,733.00
DEPOSIT OF M/S ABHINAV ENTERPRISES	17,572.00	50,702.00
JEN EXAM FOR PHED	398,000.00	398,000.00
M/S AIMIL LTD.	-	613,662.00
M/S AIR TECH TECHNOLOGIES	103,215.00	-
M/S ALANKAR JAIPUR	87,028.00	-
M/S AKASHDEEP PRODUCTION ALWAR	-	9,904.80
M/S ANKIT ARTS	650,309.00	650,309.00
M/S CHEMICAL ABSTRACT SERVICES	1,524,718.00	-
M/S CINDRELLA	1,869,905.00	-
M/S DAS AND KUMARS	2,388,554.00	2,388,554.00
M/S DYNA FLUENCE INFRA	20,209.50	930,197.23
M/S EDH TECHNOLOGIES	-	944,000.00
M/S ELOVA ENTERPRISES	49,613.00	49,613.00
M/S EMARSON COMPUTERS	331.00	10,427,851.00
M/S ENERGY EFFICIENCY SERVICES	712,368.00	-
M/S FUTURE BUILDING	-	76,971.00
M/S GURUBANI SECURITY SOLUTION PVT LTD SECUNDERABAD	155,155.00	155,155.00
M/S INDUSTRIAL ENGINEERING SOLUTION	191,001.00	-
M/S KEN QWEST SOLUTIONS JAIPUR	247,800.00	247,800.00
M/S MAHENDRA CONSTRUCTION JAIPUR	-	597,830.00
M/S ORION SECURITY SOLUTION PVT LTD NEW DELHI.	1,276,877.00	1,080,819.00
M/S PARTH CEMENTS JAIPUR	-	159,390.00
M/S PERKINELMER INDIA P LTD	316,455.00	-
M/S PRAYAN INNOVATION	-	6,956.00
M/S PROFESSIONAL HR SERVICES PVT LTD	1,047,945.00	1,047,945.00
M/S RAJASTHAN TRADERS JAIPUR	-	20,591.00
M/S REET TRADERS	71,875.00	-
M/S RIDHI SIDHI CONSTRUCTION JAIPUR	541,391.80	-

MNIT JAIPUR



Amount in ₹

Particulars	Current year	Previous year
M/S S. S. AR HYDROPOWER	-	243,900.00
M/S SCHINDLER INDIA P LD	493,240.00	-
M/S SHREE VISHWAKARMA BUILDERS	60,000.00	60,000.00
M/S SIFY TECHNOLOGIES LTD JAIPUR	606,388.00	606,388.00
M/S SUMANGAL ASSOCIATES	-	117,493.00
M/S SURESH GOEL AND ASSOCIATES NEW DELHI	1,294,510.00	1,294,510.00
M/S SWAN ENVIRONMENT P LTD	655,200.00	-
M/S TECHNOSYS SYSTEM JAIPUR	157,136.00	-
M/S VIKAS SALES	-	38,200.00
M/S VISION TECHNOLOGY	-	86,376.00
M/S WATER INDIA PVT LTD	70,009.00	-
S R ENTERPRISES JAIPUR	871,753.60	-
S.D SCIENTIFIC AND CHEMICALS	-	531.00
UK INDIA- SUNDRY CREDITORS	4,664.25	4,664.25
V R SOLUTIONS	-	49,721.00
SUNDRY CREDITORS (RESEARCH)	2,553,886.97	2,553,886.97
SUNDRY CREDITORS (CONSULTANCY)	106,127,336.03	72,739,150.44
TOTAL	136,522,219.15	109,602,803.69



SCHEDULE-3.A.3(b) SUNDRY CREDITORS - OTHERS

Amount in ₹

Particulars	Current Year	Previous Year
KISHORE VAIGYANIK PROTSAHAN YOJNA	-	-
OUTSTANDING EXPENSES	48,004,061.50	43,111,354.50
PAYABLE TO SWAMI SIVANANDA (SCHOLARSHIP)	1,200,000.00	1,200,000.00
Total	49,204,061.50	44,311,354.50



SCHEDULE-3.A.4 DEPOSIT OTHERS (EMD, SECURITY DEPOSIT)

Amount in ₹

Particulars	Current Year	Previous Year
DEPOSIT FROM R and C	-	2,029,871.00
EARNEST MONEY (DEPOSIT HEAD)	5,664,544.00	5,464,109.00
MREC T.A. (DEPOSIT HEAD)	43,250.00	-
SECURITY DEPOSIT (CBERD)	16,475.00	16,475.00
SECURITY DEPOSIT (R AND C)	2,075,224.00	2,095,049.00
SECURITY DEPOSIT (TEQIP) PHASE-I	105,740.00	105,740.00
SECURITY DEPOSIT (TEQIP) PHASE-III	317,040.00	499,668.00
SECURITY DEPOSIT OF FIRM / CONTRACTORS (DEPOSIT HEAD)	40,653,965.00	40,346,003.00
TEQIP FUND DEPOSIT	814,666.00	814,666.00
Total	49,690,904.00	51,371,581.00



SCHEDULE-3.A.5(b) STATUTORY LIABILITIES

Amount in ₹

Particulars	Current Year	Previous Year
FINAL PAYMENT OF GSLIS	-	49,223.00
GSLIS (DEPOSIT HEAD)	232.50	232.50
LABOUR CESS	2,203.00	3,243.00
PENSION (EMPLOYER) CONTRIBUTION	4,473.00	95,763.00
PENSION (OWN) CONTRIBUTION	3,186.00	68,313.00
PF OWN SHARE	-	175,000.00
TDS CONTRACTUAL FIRM	422,794.00	22,223.00
TDS PROFESSIONAL	1,943,095.00	1,212,062.00
TDS SALARY	30,000.00	116,150.00
TDS ON CGST	8,811.50	25,661.00
TDS ON IGST	188,361.00	403,219.00
TDS ON SGST	8,814.50	25,660.00
CGST PAYABLE	37,074.49	11,761.00
IGST PAYABLE	11,781.30	-
SGST PAYABLE	37,073.49	11,761.00
Total	2,697,899.78	2,220,271.50



SCHEDULE-3.A.6(a) OTHER CURRENT LIABILITIES - SALARIES

Amount in ₹

Particulars	Current Year	Previous Year
SALARY PAYABLE	73,462,868.00	62,127,318.00
UNDISBURSED SALARY (DEPOSIT HEAD)	793,366.39	761,199.39
PAYABLE FOR PENSION	15,579,196.00	13,741,777.00
GRATUITY PAYABLE	350,000.00	-
Total	90,185,430.39	76,630,294.39



Registrar

Amount in ₹

SCHEDULE-3.A.6(b) SPONSORED PROJECTS

COLLEGE 100,000.00	v.	Ž	Opening Balance as on 01-04-2021	3alance 14-2021	Receipts/Recoveries during the Year	ecoveries he Year	Total	Transfer to other funds/	Expen during	Expenditure during the year	Closing Balance as on 31-03-2022	alance 3-2022
BIKANER ENGINEERING COLLEGE 100,000.00 - - - - 100,000.00 - </th <th>No.</th> <th>rojeci</th> <th>Credit</th> <th>Debit</th> <th>Receipt</th> <th>Income</th> <th></th> <th>Funding agency</th> <th>Revenue</th> <th>Capital</th> <th>Credit</th> <th>Debit</th>	No.	rojeci	Credit	Debit	Receipt	Income		Funding agency	Revenue	Capital	Credit	Debit
PROJECTS GRANT (INSTITUTE FUND) 902,826.00 - - 902,826.00 902,826.00 - - 902,826.00 - - - 902,826.00 -		BIKANER ENGINEERING COLLEGE	100,000.00				100,000,00	100,000.00				
TRAVEL SEMINAR AND OTHER GRANTS 1,014,650.00 - - - - 1,014,650.00 -	2		902,826.00				902,826.00	902,826.00		•		
STUDENT FUND S72,128.90 - - - 572,128.90 - <th< td=""><td>3</td><td></td><td>1,014,650.00</td><td></td><td></td><td></td><td>1,014,650.00</td><td>1,014,650.00</td><td>•</td><td>•</td><td></td><td>•</td></th<>	3		1,014,650.00				1,014,650.00	1,014,650.00	•	•		•
EARMARKED FUND (R AND C) 105,360,322.69 - 134,626,920.14 5,149,447.00 245,136,699.83 9,121,061.81 53,045,383.30 23,724,017.28 13 UK INDIA 2,616,846.05 - - - - - 2,616,846.05 - <td>4</td> <td></td> <td>572,128.90</td> <td></td> <td></td> <td></td> <td>572.128.90</td> <td>572,128.90</td> <td>•</td> <td>•</td> <td></td> <td></td>	4		572,128.90				572.128.90	572,128.90	•	•		
UK INDIA 2,616,846.05 - - 2,616,846.05 - - 2,616,846.05 - - - 2,616,846.05 -	S				134,626,920.14	5,149,447.00	245,136,699.83	9,121,061.81	53,045,383.30	23,724,017.28	159,246,237.44	•
TEQIP PHASE I 383,188.00 - - 383,188.00 - <t< td=""><td>9</td><td></td><td>2,616,846.05</td><td>ı</td><td>•</td><td></td><td>2,616,846.05</td><td></td><td>•</td><td>•</td><td>2,616,846.05</td><td>٠</td></t<>	9		2,616,846.05	ı	•		2,616,846.05		•	•	2,616,846.05	٠
TEQIP PHASE II 7,889,765.86 - 1,031.532.00 200.00 8,921,497.86 275,000.00 1,361,791.00 - 135,658,452.14 5,297,230.00 261,613,197.88 9,396,061.81 54,407,174.30 23,724,017.28 17	7		383,188.00		•		383.188.00		•	•	383,188.00	٠
TEQIP PHASE III 7,889,765.86 - 1,031,532.00 200.00 8,921,497.86 275,000.00 1,361,791.00 - TOTAL 123,247,120.64 - 135,658,452.14 5,297,230.00 261,613,197.88 9,396,061.81 54,407,174.30 23,724,017.28	∞		4,407,383.14		•	147,583.00	4,554,966.14			•	4,554,966.14	٠
123,247,120.64 - 135,658,452.14 5,297,230.00 261,613,197.88 9,396,061.81 54,407,174.30 23,724,017.28	6		7,889,765.86	ı	1,031,532.00	200.00	8,921,497.86	275,000.00	1,361,791.00		7,284.706.86	
		TOTAL	123,247,120.64	-	135,658,452,14	5,297,230.00	261,613,197.88	9,396,061.81	54,407,174.30	23,724,017.28	174,085,944.49	•



ERP ANNEXURE (Schedule - 3A6(b) - Projects Grant - Institute Fund)

Amount in ₹

	Onening Balance as Grant	Grant		Utilization		Closing Balance as
Particulars	on 01.04.2021	Received	Income	Other	Capital	on 31.6.2022
PROJECTS GRANT (INSTITUTE FUND)						
IAMR	352,284.00	1	1	352,284.00	'	•
PROJECT GRANT	467,000.00	1	1	467,000.00	1	1
STEEL DEVELOPMENT FUND	83,542.00		1	83,542.00	1	•
Total	902,826.00	1	ı	902,826.00	-	ı

Registrar

Assistant Registrar



(Schedule - 3.A.6(b) - Travel, Seminar & Other Grant)

Amount in ₹

	,	į		UTILIZATION	III	
Particulars	Opening as on 01.04.2021	Grant Received	Income	Other	Capital	Closing as on 31.03.2022
TRAVEL SEMINAR AND OTHER GRANTS						
IDENTICAL PROBLEM ON MACHINE AND MECHANISM	472.00	,		472.00		
ION BEAM IN MATERIAL RESEARCH	167,000.00	ı		167,000.00		·
M/S RAJASTHAN RENEWELS ENERGY CORP.	50,270.00	,		50,270.00		
NDSU MNIT TEACHING COLLABRATION	329,510.00	ı	,	329,510.00	,	ı
REACT ADVANCE IN SIGNAL PRECAST COMMUNITY	92,000.00	,		92,000.00		
SHORT TERM COURSE POWER SYSTEM	87,000.00	,		87,000.00		
STAFF DEVELOPMENT PROGRAMME (DR K C JAIN)	3,922.00	,		3,922.00		
STAFF DEVELOPMENT PROGRAMME (DR R P YADAV)	101,887.00	,		101,887.00		
STAFF DEVELOPMENT PROGRAMME (DR ROHIT GOYAL)	20,589.00	ı	•	20,589.00	,	ı
TRAVEL GRANT TO DR. SANDEEP SANCHETI	50,000.00	,		50,000.00		
WATER QUALITY MANAGEMENT NABL REQUIREMENT	112,000.00	ı		112,000.00		•
TOTAL	1,014,650.00	•		1,014,650.00	•	

Registrar





ERP ANNEXURE (Schedule - 3A6(b) - Student Fund)

		(Utilization	ion	
Particulars	Opening as on 01.04.2021	Grant Received	Income	Other	Capital	Closing as on 31.03.2022
STUDENT FUND						
CSIR FELLOWSHIP DR ARTI KASHYAP	3,523.90	•	1	3,523.90	1	1
CSIR JRF KRITI BHANDARI	69,038.00	1	1	69,038.00	ı	ı
DRDO STUDENT ROBOT COMPETITIONS	204.00	•	'	204.00	1	1
DST STUDENT PROJECT (SHRI PAWAN KALLA)	7,000.00	•	1	7,000.00	1	1
HYDRO 2008	73,214.00	'	1	73,214.00	ı	ı
INSPIRED FELLOWSHIP ASSURED OPPORTUNITY	84,480.00	•	'	84,480.00	ı	1
ISRO MAP PROJECT	62,842.00	•	1	62,842.00	1	1
JRF RUCHI MAHESHWARI	212,000.00	1	1	212,000.00	ı	ı
MNES FELLOWSHIP (VIKAS SADAN)	17,343.00	'	'	17,343.00	1	ı
UGC JRF MS NEHA AGARWAL	27,484.00	•	1	27,484.00	1	1
UGC SCHOLERSHIP RITU SHARMA	15,000.00	'	'	15,000.00	1	•
TOTAL	572,128.90	'	'	572,128.90	'	



SCHEDULE-3.A.6(d) UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS

			Amount in <
Particulars		Current Year	Previous Year
A. PHE GRANTS	$\neg \uparrow$		
Balance B/F		-22,666,691.51	-22,666,691.51
Add: Receipts during the Year		-	-
Total	(a)	-22,666,691.51	-22,666,691.51
Less: Refunds		-22,678,308.51	-
Less: Utilized for Revenue Expenditure		-	-
Less: Utilized for Capital Expenditure		-	-
Total	(b)	-22,678,308.51	-
Unutilized carried forward (a-b)		11,617.00	-22,666,691.51
B. QIP POLY GRANT			
Balance B/F		596,068.00	235,321.00
Add: Receipts during the Year			360,747.00
Tota	(c)	596,068.00	596,068.00
Less: Refunds		24,000.00	-
Less: Utilized for Revenue Expenditure		566,571.00	-
Less: Utilized for Capital Expenditure		-	-
Total	(d)	590,571.00	-
Unutilized carried forward (c-d)		5,497.00	596,068.00
C. NON PLAN RECURRING GRANTS GOVT. OF RAJASTH	AN		
Balance B/F		-	-
Add: Receipts during the Year		-	-
Tota	(e)	-	-
Less: Refunds		-	-
Less: Utilized for Revenue Expenditure		-	-
Less: Utilized for Capital Expenditure		-	-
Tota	l (f)	-	-
Unutilized carried forward (e-f)		-	-
D. PLAN RECURRING GRANTS GOVT. OF RAJASTHAN			
Balance B/F		-	-
Add: Receipts during the Year		-	-
Total	(g)	-	-
Less: Refunds	\neg	-	-
Less: Utilized for Revenue Expenditure		-	-
Less: Utilized for Capital Expenditure		-	-
Total	(h)	-	-
Unutilized carried forward (g-h)	\neg	-	_



	T	Amount in ₹
Particulars	Current Year	Previous Year
E. GRANT NATIONAL MANPOWER INFORMATION SYSTEM(NODEL CENTRE)		
Balance B/F	-9,975,412.26	-8,715,632.26
Add: Receipts during the Year	_	-
Total (i)	-9,975,412.26	-8,715,632.26
Less: Refunds	-9,975,412.26	-
Less: Utilized for Revenue Expenditure	0	1,259,780.00
Less: Utilized for Capital Expenditure	_	-
Total (j)	-9,975,412.26	1,259,780.00
Unutilized carried forward (i-j)		-9,975,412.26
F. PLAN GRANT GOV. OF RAJASTHAN		
Balance B/F	-350,000.00	-350,000.00
Add: Receipts during the Year	-	_
Total (k)	-350,000.00	-350,000.00
Less: Refunds	-350,000.00	-
Less: Utilized for Revenue Expenditure	-	_
Less: Utilized for Capital Expenditure	-	_
Total (l)	-350,000.00	-
Unutilized carried forward (k-l)	-	-350,000.00
G. PLAN GRANT FOR BARRIER FREE ENV SIPDA		
Balance B/F	-14,803,090.00	-14,803,090.00
Add: Receipts during the Year	-	_
Total (m)	-14,803,090.00	-14,803,090.00
Less: Refunds	-	-
Less: Utilized for Revenue Expenditure	-	_
Less: Utilized for Capital Expenditure		
Total (n)	-	-
Unutilized carried forward (m-n)	-14,803,090.00	-14,803,090.00
H. GRANT IN GENERAL		
Balance B/F		2,708,399.25
Add: Receipts during the Year	568,775,000.00	449,400,000.00
Total (o)	568,775,000.00	452,108,399.25
Less: Refunds/Transfer		
Less: Utilized for Revenue Expenditure	553,195,804.00	452,108,399.25
Less: Utilized for Capital Expenditure		
Total (p)	553,195,804.00	452,108,399.25
Unutilized carried forward (o-p)	15,579,196.00	-



75 1		Amount in
Particulars	Current Year	Previous Year
I. GRANT IN SALARY		
Balance B/F	-	101,192,000.00
Add: Receipts during the Year	1,007,831,000.00	704,500,000.00
Total (q)	1,007,831,000.00	805,692,000.00
Less: Refunds/Transfer	43,699,517.00	
Less: Utilized for Revenue Expenditure	890,790,743.00	805,692,000.00
Less: Utilized for Capital Expenditure		
Total (r)	934,490,260.00	805,692,000.00
Unutilized carried forward (q-r)	73,340,740.00	-
J. GRANT FOR CREATION OF CAPITAL ASSET		
Balance B/F	_	48,515,227.00
Add: Receipts during the Year	300,559,000.00	93,549,000.00
Total (s)	300,559,000.00	142,064,227.00
Less: Refunds/Transfer	128,170,399.00	
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital Expenditure	172,388,601.00	142,064,227.00
Total (t)	300,559,000.00	142,064,227.00
Unutilized carried forward (s-t)	_	_
K. MP LOCAL AREA DEVELOPMENT FUND (MPLAP FUND)		
Balance B/F	-	_
Add: Receipts during the Year	_	_
Total (u)	-	_
Less: Refunds/Transfer		
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital Expenditure	_	_
Total (v)	_	_
Unutilized carried forward (u-v)	_	-
L. GRANT FOR HEFA LOAN INETREST		
Balance B/F	-	_
Add: Receipts during the Year	8,785,961.00	11,780,142.00
Total (w)	8,785,961.00	11,780,142.00
Less: Refunds/Transfer	-	-
Less: Utilized for Revenue Expenditure	8,785,961.00	11,780,142.00
Less: Utilized for Capital Expenditure	-	_
Total (x)	8,785,961.00	11,780,142.00
Unutilized carried forward (w-x)	-	-
Grand Total (A+B+C+D+E+F+G+H+I+J+K+L)	74,133,960.00	-47,199,125.77
,		, ,



SCHEDULE-3 A 6 (g) OTHER LIABILITIES

		Amount in X
Particulars	Current Year	Previous Year
ADVANCE TO RSBCC	1,021,002.00	1,021,002.00
CENTER FOR INDUSTRIAL COLLABORATION	-	-
COMPENSATION FROM JDA	-	-
CCMT HELPING CENTRE	656,436.00	
CSAB HELPING CENTRE	60,121.00	948,751.00
DASA HELPING CENTREE	80,602.00	80,602.00
EDUCATION LOAN	986,260.00	
HEFA LOAN ACCOUNT	71,340,000.00	121,160,000.00
INTEREST PAYABLE ON GRANT	-	
JEN EXAM WATER RESOURCE DEPTT	-	-
LAB SHARE FROM NIT UK	-	18,552,290.00
LOAN FROM CCMT	-	70,000,000.00
LOAN FROM SPONSERED RESEARCH	-	-
MATERIAL RESEARCH CENTRE	23,555,922.00	18,811,065.00
ME PART TIME	95,075.00	95,075.00
ME PART TIME- SUNDRY CREDITORS	20,860.00	20,860.00
MISC. DEPOSIT/ADVANCE	380,119.00	380,836.00
NIT UTTARAKHAND	-	-
NTSA (DEPOSIT HEAD)	110.00	-
PROJECT FUND TRANSFERRED TO SPONSERED RESEARCH	4,912.39	4,912.39
RECTIFICATION WORKS OF MAN AND WOMAN HOSTAL	1,500,500.00	1,500,500.00



Amount in ₹

Particulars	Current Year	Previous Year
RAJASTHAN STATE NSS CELL	48,340.00	9,000.00
SCHOLARSHIP DEPOSIT	2,801,942.01	5,060,429.01
SPDC SCHOLARSHIP	-	-
STALE CHEQUE ACCOUNT DEPOSIT	821,545.00	875,345.00
UNNAT BHARAT ABHIYAN	375,701.00	553,181.00
GPF LIABILITY	4,320,000.00	-
OTHER LIABILITIES OF R AND C	8,131,653.12	5,203,201.12
OTHER LIABILITIES OF CONSULTANCY	7,654,403.09	3,388,956.09
OTHER LIABILITIES (CBERD)	4,178.00	4,178.00
OTHER LIABILITIES (GUEST HOUSE)	1,502,433.61	1,431,611.26
OTHER LIABILITIES (TEQIP PHASE III)	79,104.00	-
Total	125,441,219.22	249,101,794.87





SCHEDULE- 4.A FIXED ASSETS (CONSOLIDATED)

भागानी व		12.26		78.57	Γ.	38.41	31.16	1.22	58.75	13.11	30.63	56.45	3.10	18.64	67.9	7.00	1.00	60'21	78.23	78.23	58.15	15.00		33.15	97 93
Net Block	31.03.2021	42,920,612,26		2,705,490,178.57		69,866,438.41	2,964,681.16	115,540,991.22	425,218,968.75	90,620,843.11	69,742,330.63	5,222,166.45	11,075,563.10	165,566,328.64	3,269,856.79	50,572,287.00		3,758,071,247.09	1,281,857,578.23	1,281,857,578,23	12,597,868.15	18,549,815.00		31,147,683.15	0.000
N	31.03.2022	42,920,612.26	-	3,367,869,396.57		68,668,314.19	2,980,136.28	116,223,851.22	393,343,214.08	92,751,701.11	67,218,463.37	5,098,576.45	4,046,746.50	153,750,896.64	3,286,159.02	46,329,264,00	1.00	4,364,487,332.69	656,063,322.53	656,063,322.53	9,920,056.15	17,412,395.00	•	27,332,451.15	
	Total Depreciation		•	640,343,183.47		10,507,778.81	396,808.72	34,528,893.78	450,326,065.88	10,478,677.96	23,535,253.63	1,850,102.55	167,089,428.93	174,136,129.82	8,974,464.31	52,703,054,63	1,278,955.00	1,576,148,797.49	•	•	122,631,886.71	98,931,551.00	•	221,563,437.71	
year 2021-22	Deductions / Adjustments	'		ľ		'		955.00		31,552.00	3,729.00		•	,		'	ľ	36,236.00		·				•	
Depreciation for the year 2021-22	Depreciation for the Year	-	-	59,462,612.00		1,558,253.22	67,538.88	7,375,182.00	32,038,323.67	3,784,545.00	3,058,398.26	521,151.00	7,585,366.60	21,238,122.00	929,716.77	4,243,023.00	48,306.00	141,910,538.40	•	•	13,741,776.00	23,265,317.00	•	37,007,093.00	
	Depreciation Opening Balance			580,880,571.47		8,949,525.59	329,269.84	27,154,666.78	418,287,742.21	6,725,684.96	20,480,584.37	1,328,951.55	159,504,062.33	152,898,007.82	8,044,747.54	48,460,031.63	1,230,649.00	1,434,274,495.09	•	•	108,890,110.71	75,666,234.00	•	184,556,344.71	
	Closing Balance	42,920,612.26	•	4,008,212,580.04		79,176,093.00	3,376,945.00	150,752,745.00	843,669,279.96	103,230,379.07	90,753,717.00	6,948,679.00	171,136,175.43	327,887,026.46	12,260,623.33	99,032,318,63	1,278,956.00	5,940,636,130.18	656,063,322.53	656,063,322,53	132,551,942.86	116,343,946.00	•	248,895,888.86	
Gross Block	Deductions	-	-	-	•	•		-	•	•	•	-	•	•	-	-	-	•	715,544,393.00	715,544,393,00	•	-	•	•	
Gross	Additions	-	-	721,841,830.00	•	360,129.00	82,994.00	8,057,087.00	162,569.00	5,883,851.00	530,802.00	397,561.00	556,550.00	9,422,690.00	946,019.00	•	48,306.00	765,521,931.00	89,750,137.30	89,750,137,30	11,063,964.00	22,127,897.00	•	33,191,861.00	
	Opening Balance 01.04.2021	42,920,612.26	•	3,286,370,750.04	•	78,815,964.00	3,293,951.00	142,695,658.00	843,506,710.96	97,346,528.07	90,222,915.00	6,551,118.00	170,579,625.43	318,464,336.46	11,314,604.33	99,032,318.63	1,230,650.00	5,192,345,742.18	1,281,857,578.23	1,281,857,578.23	121,487,978.86	94,216,049.00	'	215,704,027.86	
	S. Assets Heads No	1 LAND	2 SITE DEVELOPMENT	3 BULDINGS	4 ROADS AND BRIDGES	TUBEWELLS AND WATER SUPPLY	6 SEWERAGE AND DRAINAGE	T ELECTRICAL INSTALLATION AND EQUIPMENT	8 PLANT AND MACHINERY	9 SCIENTIFIC AND LABORATORY EQUIPMENT	10 OFFICE EQUIPMENT	11 AUDIO VISUAL EQUIPMENT	COMPUTERS AND PERIPHERALS	13 FURNITURE, FIXTURES AND FITTINGS	14 VEHICLES	LIB BOOKS AND SCIENTIFIC JOURNALS	16 SMALL VALUE ASSETS	Total (A)	17 CAPITAL WORK IN PROGRESS	Total (B)	18 COMPUTER SOFTWARE	19 E-JOURNALS	20 PATENTS AND COPYRIGHTS	Total (C)	\$



Amount in₹

SCHEDULE- 4.A PLAN

_			Gros	Gross Block			Depreciation for the year 2021-22	the year 2021-22		Net I	Net Block
S. No	Assets Heads	Opening Balance 01.04.2021	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the Year	Deductions / Adjustments	Total Depreciation	31.03.2022	31.03.2021
╒	LAND	42,920,612.26	•		42,920,612.26	•	•		•	42,920,612.26	42,920,612,26
2.5	2 SITE DEVELOPMENT		•	•	•	•	•	•	•	•	
	BUILDINGS	3,274,354,344.04	704,601,981.00		3,978,956,325.04	580,754,461.47	59,037,043.00		639,791,504.47	3,339,164,820.57	2,693,599,882.57
4	ROADS AND BRIDGES				•	-				-	
3.	5 TUBEWELLS AND WATER SUPPLY	78.815.964.00	360,129.00		79,176,093.00	8,949,525.59	1,558,253.22		10,507,778.81	68,668,314.19	14.866,438.41
19	6 SEWERAGE AND DRAINAGE	3,293,951.00			3,293,951.00	329,269.84	65,879.00		395,148.84	2,898,802.16	2,964,681.16
-	7 ELECTRICAL INSTALLATION AND CWN	142,597,688.00	8,036,187.00		150,633,875.00	27,146,333.78	7,369,238.00	955.00	34,514,616.78	116,119,258.22	115,451,354.22
8	8 PLANT AND MACHINERY	843,506,710.96	162,569.00		843,669,279.96	418,287.742.21	32,038.323.67		450,326,065.88	393,343,214.08	425,218,968.75
, 6 I	9 SCIENTIFIC AND LABORATORY EQUIPMENT	41,074,271.31	5,823,549.00		46,897,820.31	6,672,204,28	3,751,825.00	31,552.00	10,392,477.28	36,505,343.03	34,402,067.03
Ě	10 OFFICE EQUIPMENT	41,462,457.00	530,802.00		41,993,259.00	20,478,532.07	3,056,985.26	3,729.00	23,531,788.33	18,461,470.67	20,983,924.93
Ī	II AUDIO VISUAL EQUIPMENT	6,384,048.00	397,561.00		6,781,609.00	1,314,522.55	508,620.00		1,823,142.55	4,958,466.45	\$7525,690,5
12	12 COMPUTERS AND PERIPHERALS	169.885.354.43	478,850.00		170,364,204.43	159,150,095.33	7,448,775.60		166,598,870.93	3,765,333.50	10,735,259.10
13.1	13 FURNITURE, FIXTURES AND FITTINGS	305,239,628.46	9,422,690.00		314,662,318.46	151,226,322.02	20,287,715.00	115,313.00	171,398,724.02	143,263,594.44	154,013,306.44
14	14 VEHICLES	11,314,604.33	946,019.00		12,260,623.33	8,044,747.54	929,716.77		8,974,464.31	3,286,159.02	3,269,856.79
151	IS LIB BOOKS AND SCIENTIFIC JOURNALS	59,417,331.63			59,417,331.63	47,203,899.63	3,928,990.00		51,132,889.63	8,284,442.00	12,213,432.00
16	16 SMALL VALUE ASSETS	1,230,650.00	48,306.00		1,278,956.00	1,230,649.00	48,306.00		1,278,955.00	1.00	1.00
	Total (A)	5,021,497,615.42	748,040,186.00	•	5,752,306,258,42	1,430,788,305.31	140,029,670.52	151,549.00	1,570,666,426.83	65,181,639,831,59	3,590,709,310.11
17(17 CAPITAL WORK IN PROGRESS	1,238,215,304.23	78,511,812.00	701,628,118.00	615,098,998.23	-	•	-		615,098,998.23	1,238,215,304.23
	Total (B)	1,238,215,304,23	78,511,812.00	701,628,118.00	615,098,998.23	•	•	•	-	615,098,998.23	1,238,215,304.23
18(18 COMPUTER SOFTWARE	121,483,028.86	11,063,964.00	•	132,546,992.86	108,888,130.71	13,739,796.00	•	122,627,926.71	51.990,616,6	12,594,898.15
191	19 E-JOURNALS	89,759,383.00	17,877,056.00	•	107,636,439.00	73,883,568.00	19,782,315.00	-	93,665,883.00	13,970,556.00	15,875,815.00
20]	20 PATENTS AND COPYRIGHTS	•	•	•	•	•		•		•	
	Total (C)	211,242,411.86	28,941,020.00		240,183,431.86	182,771,698.71	33,522,111.00	•	216,293,809.71	23,889,622.15	28,470,713.15
	Grand Total (A+B+C)	6.470.955.331.51	855,493,018.00	701,628,118.00	6,607,588,688.51	1,613,560,004.02	173,551,781.52	151,549.00	1,786,960,236.54	4,820,628,451.97	61.725.395.738.4



Amount in ₹

SCHEDULE- 4.A PLAN - MPLAD

10,597,500.00 10,597,500.00 10,597,500.00 31.03.2021 Net Block 11,088,085.00 11,088,085.00 11,088,085.00 31.03.2022 Depreciation Total Deductions / Adjustments Depreciation for the year 2021-22 Depreciation for the Year Depreciation Opening Balance 11,088,085.00 11.088,085.00 11,088,085.00 Closing Balance Deductions Gross Block 490,585.00 490,585.00 490,585.00 Additions 10,597,500.00 0,597,500.00 10,597,500.00 Opening Balance 01.04.2021 FURNITURE, FIXTURES AND FITTINGS TUBEWELLS AND WATER SUPPLY ELECTRICAL INSTALLATION AND COMPUTERS AND PERIPHERALS SCIENTIFIC AND LABORATORY CAPITAL WORK IN PROGRESS SEWERAGE AND DRAINAGE AUDIO VISUAL EQUIPMENT LIB BOOKS AND SCIENTIFIC PATENTS AND COPYRIGHTS Grand Total (A+B+C) Assets Heads PLANT AND MACHINERY Total (B) Total (C) Total (A) COMPUTER SOFTWARE SMALL VALUE ASSETS ROADS AND BRIDGES SITE DEVELOPMENT OFFICE EQUIPMENT FOURMENT E-JOURNALS EOUIPMENT JOURNALS RI III DINGS VEHICLES S.No 16 23 _ 50

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SCHEDULE- 4.A PLAN - SIPDA

			Gross Block	lock			Depreciat	Depreciation for the year 2021-22	2	Ne	Net Block
S. No	Assets Heads	Opening Balance 01.04.2021	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the Year	Deductions / Adjustments	Total Depreciation	31.03.2022	31.03.2021
	LAND	'	•					'		•	
2	SITE DEVELOPMENT	•	-	•			•	'		-	
3	BUILDINGS	'	•				•	'	•	•	
4	ROADS AND BRIDGES	'	•	•			•	'		•	
S	TUBEWELLS AND WATER SUPPLY	,	•	ľ				'		•	
9	SEWERAGE AND DRAINAGE	'						'		•	
7	ELECTRICAL INSTALLATION AND	•	_				•			•	
Ţ,	EQUIPMENT										
·	PLANT AND MACHINERY	'		•			•			•	
6	SCIENTIFIC AND LABORATORY EQUIPMENT	•	•	•		•		•		•	
9	OFFICE EQUIPMENT	'	Ī			Ĺ				•	
=	AUDIO VISUAL EQUIPMENT	1	•	•			•	'		-	
12	COMPUTERS AND PERIPHERALS	•	•				•	•		•	
13	FURNITURE, FIXTURES AND FITTINGS	'	'					, 		•	
14	VEHICLES	1	- -	·				'		-	
15	LIB BOOKS AND SCIENTIFIC JOURNALS	•	-	•	•	· 	•	'	-	•	
16	SMALL VALUE ASSETS	-	-	•	-		•			-	
	Total (A)	•	•	•		•	•	•		•	
17	CAPITAL WORK IN PROGRESS	32,183,948.00		•	32,183,948.00		•			32,183,948.00	32,183,948.00
	Total (B)	32,183,948.00	•	•	32,183,948.00		•	•		32,183,948.00	32,183,948.00
18	COMPUTER SOFTWARE	•	•	•			•	•	•	•	
61	E-JOURNALS	-	•	•	•		•	•		-	
20	PATENTS AND COPYRIGHTS	•	•		•		•	•		•	
	Total (C)	•	•	•			•	•		-	
	Out of A Lot of Comment	00 070 001 66			23 103 010 00					an aka cat cc	00 070 607 66

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Amount in₹

SCHEDULE- 4.A PLAN - (PDF, DEVLOPMENT FEE, BOOK BANK)

L			<u>.5</u>	Gross Block			Depreciation for	Depreciation for the year 2021-22	12	Net B	Net Block
S. No	Assets Heads	Opening Balance	Additions	Deductions	Closing Balance	=	Depreciation for the Year	Deductions / Adjustments	Total Depreciation	31.03.2022	31.03.2021
		01.04.2021				Balance					
-	LAND	•	•	•	•		•	•	•	•	
7	SITE DEVELOPMENT	•	•	•	•	•		•	•	•	
~	BUILDINGS	4,038,623.00	17,239,849.00		21,278,472.00	126,110.00	425,569.00	•	551,679,00	20,726,793.00	3,912,513.00
4	ROADS AND BRIDGES	•		•	•	•		•	•		
~	TUBEWELLS AND WATER SUPPLY	•		•	•	•			•		
9	SEWERAGE AND DRAINAGE		82,994.00	•	82,994.00	•	1,659.88	•	1,659.88	81,334.12	
r~	ELECTRICAL INSTALLATION AND EQUIPMENT	97,970.00		•	118,870.00	8,333.00	5,944.00		14,277.00	104,593.00	00′£69′68
~	PLANT AND MACHINERY	·		·	'	·					
6	SCIENTIFIC AND LABORATORY EQUIPMENT	348,694.00	60,302.00	·	408,996.00	53,480.68	32,720.00		86,200.68	322,795.32	295,213.32
9	OFFICE EQUIPMENT	18,842.00		•	18,842.00	2,052.30	1,413.00		3,465.30	15,376.70	02'682'91
Π	AUDIO VISUAL EQUIPMENT	167,070.00		•	167,070.00	14,429.00	12,531.00		26,960.00	140,110.00	152,641.00
13	COMPUTERS AND PERIPHERALS	605,255.00	77,700.00		682,955.00	264,951.00	136,591.00		401.542.00	281,413.00	340,304.00
13	FURNITURE, FIXTURES AND FITTINGS	12,672,082.00		•	12,672,082.00	1,671,685.80	950,407.00	-115,313.00	2,737,405.80	9,934,676.20	11,000,396.20
14	VEHICLES	•		•	•					•	
15	LIB BOOKS AND SCIENTIFIC JOURNALS	3,140,334.00		·	3,140,334.00	1,256,132.00	314,033.00		1,570,165.00	1,570,169.00	1,884,202.00
16	SMALL VALUE ASSETS	•	•	•	•	•		•	•	-	_
	Total (A)	21,088,870.00	17,481,745.00	•	38,570,615.00	3,397,173.78	1,880,867.88	-115,313.00	5,393,354.66	33,177,260.34	17,691,696.22
17	CAPITAL WORK IN PROGRESS	860,826.00	10,747,740.30	13,916,275.00	-2,307,708.70	•	•	•	•	-2,307,708.70	860,826.00
	Total (B)	860,826.00	10,747,740.30	13,916,275.00	-2,307,708.70	•	•	•	•	-2,307,708.70	860,826,00
18	COMPUTER SOFTWARE	4,950.00		•	4,950.00	1,980.00	1,980.00	•	3,960.00	990.00	2,970.00
19	E-JOURNALS	4,456,666.00	4,250,841.00	•	8,707,507.00	1,782,666.00	3,483,002.00	•	5,265,668,00	3,441,839.00	2,674,000.00
30	PATENTS AND COPYRIGHTS	•	•	•	•	•	•	•	•	-	_
	Total (C)	4,461,616.00	4,250,841.00	•	8,712,457.00	1,784,646.00	3,484,982.00	•	5,269,628.00	3,442,829.00	2,676,970.00
	Grand Total (A+B+C)	26,411,312.00	32,480,326.30	13,916,275.00	44,975,363.30	5,181,819.78	5,365,849.88	-115,313.00	10,662,982,66	34,312,380.64	21,229,492,22

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Amount in₹

SCHEDULE- 4.A PLAN - TEQIP I

Chosing Balance Depreciation Balance Chosing Balance Cho	L			J.	Cross Rlock		الم	nreviation for t	he rear 2021	"	ιαN	Not Rinch
R.S.17785 00	S. No		Opening Balance 01.04.2021	Additions	2	Closing Balance	Depreciation Opening Balance	Depreciation for the Year	Deductions / Adjustments	Total Depreciation		
B. SUPPLY B. SUPPLY AVGE TYON AND TYON AND THE CALL STATES IN TO TAKE IN THE CALL STATES IN THE CALL ST	_	LAND		·		,		·			-	
1,977,785,00	2	SITE DEVELOPMENT						·			•	
RESIDPLY Color C	3	BUILDINGS	7,977,783.00	-	·	7,977.783.00	- 1	-	•	•	7,977,783.00	
AGE Company	4	ROADS AND BRIDGES			·				•		•	
VAGE	5	TUBEWELLS AND WATER SUPPLY		•		'	-	-	•		•	
VI VI VI VI VI VI VI VI	9	SEWERAGE AND DRAINAGE				•		-			•	
NATIORY STATIORY STATION STA	r	ELECTRICAL INSTALLATION AND										
VA VA VA VA VA VA VA VA	~	EQUIPMENT	•			•		•				
RATORY	8	PLANT AND MACHINERY			•	•		•	•		•	
HERALS S52,626.00 S52,	6	SCIENTIFIC AND LABORATORY										
HERALS	. [EOUIPMENT										
HERALS 552,626.00 - 552,626.00 552,626.00 552,626.00 552,626.00 552,626.00 552,626.00	=	OFFICE EQUIPMENT	48,741,616.00			48,741.616.00	_				48,741,616.00	
AND FITTINGS 552,626.00 .	=	AUDIO VISUAL EQUIPMENT						•				
AND FITTINGS \$52,626.00 - 552,626.00 - 6 552,626.00 - 552,626.00 - 552,626.00 - 552,626.00 - 6 5	12	COMPUTERS AND PERIPHERALS						•		·		
TIFIC 15,422,967.00 - 15,422,967.00 15,422,967.00 - 15,422,967.00 - 15,422,967.00 15,422,967.00 15,422,967.00 15,422,967.00 15,422,967.00 15,422,967.00 15,422,967.00 15,422,967.00 15,422,967.00	13	FURNITURE, FIXTURES AND FITTINGS	552,626.00			552.626.00)	•	•		552,626.00	
TIFIC 15,422,967.00 - 15,422,967.00 15,422,967.00 - 15,422,967.00 15,422,967.00 15,422,967.00 15,422,967.00 15,422,967.00	14			·	·			•		•		
GRESS 72,694,992,00 72,694,992,00 72,694,992,00 72,694,992,00 72,694,992,00 72,694,992,00 72,694,992,00	15		15,422,967.00		·	15,422,967.00		·	•	•	15,422,967.00	
Total (A) Total (A) <t< td=""><td>16</td><td>SMALL VALUE ASSETS</td><td></td><td>•</td><td>·</td><td>•</td><td></td><td>•</td><td>·</td><td>•</td><td>•</td><td></td></t<>	16	SMALL VALUE ASSETS		•	·	•		•	·	•	•	
CAPITAL WORK IN PROGRESS - <td></td> <td>Total (A)</td> <td>72,694,992.00</td> <td></td> <td>•</td> <td>72,694,992.00</td> <td></td> <td>•</td> <td>•</td> <td>•</td> <td>72,694,992.00</td> <td></td>		Total (A)	72,694,992.00		•	72,694,992.00		•	•	•	72,694,992.00	
Total (B) -	17	CAPITAL WORK IN PROGRESS		•	·	•		•	•	•	-	
COMPUTER SOFTWARE COMP		Total (B)		•	•	•		•	•	•	-	
E.JOURNALS -	18			_	•	•		•	٠	•	-	
PATENTS AND COPYRIGHTS -	19			•	•	•		•			-	
72,694,992.00 72,694,992.00 72,694,992.00	70			•	·	•		•	•	'	-	
72,694,992.00 72,694,992.00 72,694,992.00		Total (C)	•	•	•	•		•	•	•	•	
		Grand Total (A+B+C)	72,694,992.00			72,694,992.00		•	•	•	72,694,992.00	

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SCHEDULE- 4.A PLAN - TEQIP II

S.VB				Gross Block	lock		Del	Depreciation for the year 2021-22	he year 2021-	22	Net	Net Block
AND	S. No		Opening Balance 01.04.2021	Additions	Deductions	Closing Balance		Depreciation for the Year	Deductions / Adjustments	Total Depreciation	31.03.2022	31.03.2021
AND AND AND AND AND AND AND AND	1	LAND	•				·	·				
AND NEW SS\$923,62.76 AND NIS TAGYSTARATO TAGYSTARAT	2	SITE DEVELOPMENT	•		•		•	'	-	_		•
AND AND AND AND AND AND AND AND	٣	BUILDINGS					ľ		ľ			•
AND RY SS,923,562.76 AND TAIS HTTINGS TALES	4	ROADS AND BRIDGES	·				·		•			
AND RY \$5,923,562,76 AIS HITMOS TANJES T	5	TUBEWELLS AND WATER SUPPLY	'		-		·		-			•
AND RY 55,923,562.76 ALIS HTTINGS TAPTED T	9	SEWERAGE AND DRAINAGE	•				·		•	_		•
NY 55,923,502.76 - 55,923,502.76 55,923,502.	r	ELECTRICAL INSTALLATION AND										
NY 55,923,562.76 - 55,923,562.76 55,923,562.76 55,923,562.76 55,923,562.76 55,923,562.76 55,923,562.76 55,923,562.76 55,923,562.76	-	EQUIPMENT	•	•	•	•					•	
RY S5,923,562.76 ALIS	8	PLANT AND MACHINERY	•	-	•	-		•	-	•	-	•
ALS HTTINGS	6	SCIENTIFIC AND LABORATORY	55.923.562.76		·	55.923.562.76	·	'	ľ	•	55,923,562,76	
ALS ALS ALS ALS ALS ALS ALS ALS		BOUIPMENT										
ALIS FITTINGS	10	OFFICE EQUIPMENT							•			•
ALS HITTINGS HITTINGS 100/RNALS 21,051,686.00 100/RNALS 21,051,686.0	=	AUDIO VISUAL EQUIPMENT	·	7	•	7	·		•			•
FITTINGS JOURNALS 21,051,686.00 S S S S S S S S S S S S		COMPUTERS AND PERIPHERALS	•	-		7	•	•	•	•		
JOURNALS 21,051,686.00 -	13			-		7	·		•		-	
JOURNALS 21,051,686.00 - - 21,051,686.00 - - 21,051,686.00 - - 21,051,686.00 - - 21,051,686.00 - - 21,051,686.00 - - 21,051,686.00 - - - 21,051,686.00 -		VEHICLES	·	-	•	+	•	•	•	•	-	•
S 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76 76,975,248.76	15	LIB BOOKS AND SCIENTIFIC JOURNALS	21,051,686.00	•	•	21,051,686.00	•	•	•	•	21,051,686.00	21,051,686.00
S 76,975,248.76 - - 76,975,248.76 - - 76,975,248.76 - - 76,975,248.76 77,975,248.76 - - 76,975,248.76 - - - 76,975,248.76 - - - 76,975,248.76 - - - 76,975,248.76 77,975,248.76 -	16		·				·		•			
S		Total (A)	76,975,248.76		•	76,975,248.76	•		'		76,975,248.76	76,975,248.76
	17	CAPITAL WORK IN PROGRESS	•	1	•	7	•	•	•	•	-	
		Total (B)	•	•	•	T	·		•	-	r	
	18	COMPUTER SOFTWARE	•	•	•	-	•	•	•	•		•
	19	E-JOURNALS		-	•	7			•		-	
	20	PATENTS AND COPYRIGHTS	·	-	•	1	•	•	•		-	•
76,975,248.76 76,975,248.76 76,975,248.76		Total (C)	•		•	Ī	•	•	•	•		
		Grand Total (A+B+C)	76,975,248.76		•	76,975,248.76	•	•	•		76,975,248.76	76,975,248.76

Assistant Registrar



SCHEDULE- 4.A PLAN - INDUSTRIAL CONSULTANCY CELL

Opening Balance Additions Ded	Deductions Closing Balance			-		
- 0091068		Depreciation Depri	Depreciation for Deductions / Adjustments	/ Total	31.03.2022	31.03.2021
- 00910'68						
- 0091068		•				
- 00'910'68						
- 0091068						
- 00'910'68		•				
- 0091068						
- 00'910'68		•				
- 0091068	•	•				
- 00910'68		-				
		•		_		
	- 89,016.00	89,016.00		- 89,016.00		
•				_		
				_		
-						
- -		•	-			
- 89,016,00	- 89,016.00	89,016.00		- 89,016.00		
·	•	•	•			
-	•					
-	•			_		
 	_	•	•	_		
	•			_		
89,016,00	- 89,016.00	89,016.00		- 89,016,00		

Registrar



SHEDULE-5 INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS

Amount in ₹

Particulars	Current Year	Previous Year
IN CENTRAL GOVERNMENT SECURITIES	250,000,000.00	250,000,000.00
DEBENTURES AND BONDS	-	-
IN STATE GOVERNMENT SECURITIES	-	-
OTHER APPROVED SECURITIES	-	-
SHARES	-	-
TERM DEPOSIT WITH BANKS	1,096,526,977.00	651,334,666.00
Total	1,346,526,977.00	901,334,666.00



SHEDULE-5(A) INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS

Amount in ₹

Particulars	Current Year	Previous Year
Term Deposit With Banks		
FDR EARMARKED FUND	531,241,465.36	110,269,580.00
FDR RESEARCH PROMOTION FUND	-	-
FDR STUDENT FUND	565,266,794.64	541,047,610.00
FDR RESEARCH PROMOTION FUND WITH ICICI BANK	-	-
FDR RESEARCH PROMOTION FUND WITH YES BANK	-	-
FDR STUDENT FUND WITH AU SMALL FINANCE BANK	-	-
TAXABLE BOND CORPUS FUND WITH HDFC BANK SIX YEAR	250,000,000.00	250,000,000.00
DEPOSIT WITH PD ACCOUNT NO.15 (PENSION)	18,717.00	17,476.00
FDR (TEQIP)	-	-
Total	1,346,526,977.00	901,334,666.00



SCHEDULE-6 INVESTMENTS - OTHERS

Amount in ₹

Particulars	Current Year	Previous Year
IN CENTRAL GOVERNMENT SECURITIES	-	-
IN STATE GOVERNMENT SECURITIES	-	-
OTHER APPROVED SECURITIES	-	-
SHARES	-	-
DEBENTURES AND BONDS	-	-
OTHERS	-	-
Total	-	-



SCHEDULE-7 CURRENT ASSETS

Amount in ₹

Particulars	Current Year	Previous Year
1. STOCK	1,432,164.60	2,788,778.00
2. SUNDRY DEBTORS		
a) DEBTS OUTSTANDING FOR A PERIOD EXCEEDING SIX MONTHS	-	-
b) OTHERS	26,149,838.04	23,181,063.77
3. CASH AND BANK BALANCES		
CASH ACCOUNT	177,967.00	201,368.00
POSTAGE	3,632.00	3,632.00
UNESCO COUPONS	558.03	558.03
UNIVERSITY FORMS(STOCK)	13,125.00	13,125.00
a) WITH SCHEDULED BANKS		
IN CURRENT ACCOUNTS	184,683,947.28	203,926,502.79
IN TERM DEPOSIT ACCOUNTS	1,076,853,352.00	1,017,354,392.00
IN SAVINGS ACCOUNTS	499,847,377.30	376,275,622.03
Total	1,789,161,961.25	1,623,745,041.62



SCHEDULE - 7 (ANNEXURE A)

D. C. L.	C 137	Amount in X
Particulars	Current Year	Previous Year
ACCRUED INTEREST	13,756,296.00	13,607,583.00
ADVANCE TAX	86,140.00	86,140.00
RECEIVABLE FROM NIT TRANSIT HOUSE	4,992,193.64	-
LC MARGIN MONEY		1,465,653.00
UK INDIA REC PROJECT	3,859,378.95	3,859,378.95
SUNDRY DEBTORS (GUEST HOUSE)	3,455,829.45	3,531,153.82
· · · · · · · · · · · · · · · · · · ·	3,433,629.43	
OTHER CURRENT ASSETS (CONSULTANCY)	25442.222.24	631,155.00
Total	26,149,838.04	23,181,063.77
CASH ACCOUNT	125 271 00	172 064 00
CASH ACCOUNT	135,271.00	172,964.00
CASH BALANCE GUEST HOUSE Total	42,696.00 177, 967.00	28,404.00 201,368.0 0
POSTAGE	177,907.00	201,308.00
POSTAGE	3,632.00	3,632.00
Total	3,632.00	3,632.00
UNESCO COUPONS	3,032.00	3,032.00
UNESCO COUPONS	558.03	558.03
Total	558.03	558.03
STOCK		
PRINTING AND STATIONERY	1,432,164.60	1,668,760.00
ESTATE INVENTORY	· · · -	1,120,018.00
Total	1,432,164.60	2,788,778.00
UNIVERSITY FORMS(STOCK)		
UNIVERSITY FORMS (STOCK)	13,125.00	13,125.00
Total	13,125.00	13,125.00
IN CURRENT ACCOUNTS		
ICICI CA-0011	184,683,947.28	203,926,502.79
Total	184,683,947.28	203,926,502.79
IN TERM DEPOSIT ACCOUNTS		
FDR INSTITUTE FUND	988,603,469.00	941,763,119.00
FDR SCHOLARSHIP WITH YES BANK S.K. GUPTA AWARD		-
FDR WITH SBBJ RKS SANKUL JAIPUR SWAMI	1,315,533.00	1,200,000.00
SBI FLEXI FIXED DEPOSIT	8,755,839.00	-
FDR SPONSORED RESEARCH	54,161,859.00	51,891,273.00
FDR GUEST HOUSE	24,016,652.00	22,500,000.00
Total	1,076,853,352.00	1,017,354,392.00
IN SAVINGS ACCOUNTS		
CANARA PRINCIPAL 07511	34,758,487.00	33,665,648.00
CANARA INTEREST 07512	16,961.00	11,672.00
ICICI 676801701072	8,476,700.18	8,172,661.18
ICICI SB-105615	103,181,844.98	60,997,342.49
ICICI-00543 ICICI 01433	1	3,724,858.89
ICICI 701341	5,514,745.27	•
SBBJ - PD15	5,514,745.27 121,542.00	113,485.00
SBI 10125472413	342,756.94	333,655.94
SBI-CORPUS FUND SB-36164	44,086.00	4,954,942.00
SBI-STAFF DEVALOPMENT SB-67320	87,300.00	10,685,849.00

MNIT JAIPUR_____



Amount in ₹

Particulars		Current Year	Previous Year
YES BANK SB-355		-	-
SBI 37347860345		19,257,366.36	21,721,623.84
SBI 37488665138		17,010.00	1,600,272.00
INDUSIND BANK 159549654162		7,077,864.72	6,727,985.72
TEQIP II			
SAVING BANK ACCOUNT WITH ICICI		5,079,231.32	4,931,648.32
TEQIP PHASE III			
CURRENT BANK ACCOUNT WITH SBI		7,680,850.86	8,389,433.86
SPONSORED RESEARCH			
SAVING BANK ACCOUNT WITH ICICI		102,922,305.28	45,631,269.79
GUEST HOUSE			
SAVING BANK ACCOUNT		3,087,668.60	689,521.80
CONSULTANCY			
SAVING BANK ACCOUNT		202,157,578.29	163,901,286.70
CBERD			
SAVING BANK ACCOUNT		23,078.50	22,465.50
	Total	499,847,377.30	376,275,622.03
	Grand Total	1,789,161,961.25	1,623,745,041.62



SCHEDULE-8 LOANS ADVANCES & DEPOSITS

		Amountm
Particulars	Current Year	Previous Year
1. ADVANCES TO EMPLOYEES (NON INTEREST BEARING)		
MEDICAL ADVANCE	1,071,356.00	13,261.00
DEPARTMENTAL ADVANCE	116,194.65	653,803.00
ADVANCE 31	-	205,867.00
ADVANCE 35	162,339.00	173,460.00
IMPACT COMPUTER STAFF ADVANCE	116,687.00	116,687.00
IMPACT ELECTRONICS STAFF ADVANCE	61,333.00	61,333.00
ME PART TIME STAFF ADVANCE	12,895.00	12,895.00
LTC ADVANCE	_	39,684.00
PERMANENT ADVANCE	490,000.00	460,000.00
SPONSORED RESEARCH	194,896.00	451,276.00
CONSULTANCY	100,000.00	170,000.00
2. ADVANCES AND OTHER AMOUNTS RECOVERABLE IN CASH OR IN KIND OR FOR VALUE TO BE RECEIVED		
(a) ON CAPITAL ACCOUNT		
ADVANCE TO AVAS VIKAS LTD.	-	-
ADVANCE TO AVAS VIKAS SANSTHAN	1,162,448.00	1,162,448.00
ADVANCE TO CPWD	183,667,076.00	154,677,343.00
EX, ENGG. PWD	1,467,467.68	1,467,467.68
(b) TO SUPPLIERS		
ADVANCE TO CEG TEST HOUSE AND RESEARCH CENTRE PVT	_	50,000.00
ADVANCE TO INTERNAL INDUSTRIAL GASES LTD HAWRAH	_	_
ADVANCE TO M/S R K FRIGHT SYSTEM	_	_
ADVANCE TO MRF	_	6,280.00



		Amount in
Particulars	Current Year	Previous Year
(c) OTHERS		
ADVANCE FOR LAB. WORK	34,000.00	34,000.00
ADVANCE TO GROUND WATER BOARD	79,858.00	79,858.00
ADVANCE TO R and C	-	1,274,460.46
ADVANCE TO SHRI O.P. SINGHAL, ADVOCATE	-	_
ADVANCE TO TEQIP	24,019.00	24,019.00
ASI (DEPOSIT HEAD)	2,360.00	77,585.00
MNIT PENSION FUND	30,811.00	30,811.00
TDS RECOVERABLE	11,267,952.15	12,708,693.15
TDS RECOVERABLE (CONSULTANCY)	4,643,271.00	_
INPUT CGST (CONSULTANCY)	49,434.00	_
INPUT SGST (CONSULTANCY)	49,434.00	_
INPUT IGST (CONSULTANCY)	594,770.00	_
LOAN TO CCRG (CONSULTANCY)	507,598.00	-
UK INDIA OTHER ADVANCES	1,078,615.00	1,078,615.00
ТЕДІР ІІ	6,600.00	6,600.00
TEQIP III	-	-
R AND C	18,911,044.00	17,238,651.00
4. PREPAID EXPENSES		
PREPAID EXPENSES	2,841,855.00	3,016,248.00
5. DEPOSITS		
AJIT SERIVCE STATION (PETROL PUMP)	15,000.00	15,000.00
CHANDRA INDUSTRIES	-	150.00
INDIAN OXYGEN LTD.	4,000.00	4,000.00
JAIPUR GAS SERVICE	6,700.00	6,700.00
JAIPUR ROTTING COMPANY	10,000.00	10,000.00



Particulars	Current Year	Previous Year
JVVN LIMITED, JAIPUR	4,383,059.00	4,383,059.00
KRISHNA AND COMPANY	-	200.00
M/S SANGHI OXYGEN COMPANY	1,800.00	1,800.00
MAHALAXMI GAS SERVICE	25,200.00	25,200.00
NIT DELHI DEPOSIT	528,309.00	528,309.00
OM GAS AGENCY	6,750.00	6,750.00
RSEB	1,139,697.00	1,139,697.00
SECURITY DEPOSIT TO BSNL	100,680.00	100,680.00
TELEPHONE DEPARTMENT	17,500.00	17,500.00
6. INCOME ACCRUED		
RECEIVABLE FROM MESS COUNCIL	-	-
RECOVERABLE FROM CCMN	5,016,300.00	_
RECOVERABLE FROM CCMT	2,810,571.00	2,958,821.00
RECOVERABLE FROM CSAB	2,559,615.00	3,515,881.00
RECOVERABLE FROM DASA	760,211.00	631,011.00
RECOVERABLE FROM ICCR	1,563,835.00	1,229,070.00
7. OTHER CURRENT ASSETS RECEIVABLE FROM UGC / SPONSORED PROJECTS DEBIT BALANCES IN SPONSORED PROJECTS(STAFF DEVELOPMENT	-	
PROGRAMME) DR. VINEET SAHULA ADVANCE APPLICATION BALANCE ON POWER ELECTRONIC	-	- -
ALTERNATE AUTOMOBILE FUELS	-	-
APPLIED ECONOMICS AND QUANTITAVE TECH	-	-
DEVELOPING TEACHING SKILLS IN MANAGEMENT COURSE	-	-
EMERGING TOOLS AND TRENDS IN OPEN SOURCE COMPUTING	-	-
MANAGEMENT AND MITIGAATION OF NATURAL DISATATERS	-	-
OPERATION CONTROL OF MORDEN POWER SYSTEM	-	-



Particulars	Current Year	Previous Year
RECENT ADVANCE IN MICROWAVE AND WIRELESS COMMUN.	-	-
WINTER SCHOOL SOFT COMPUTER SKILL IN ENG	-	_
INDACON 2013	-	_
KVPY PROJECT	-	_
NSS	_	_
GRANT RECEIVABLE FROM GOVT OF INDIA	_	_
PROJECT GRANT	_	_
INVESTIGATION OF HEAT TRANSFER BOILING WATER	_	15,000.00
LAB ENHANCEMENT UNDER NPEEE	_	91,200.00
TOPTEC PROJECT FLEXIBLE	_	21,458.50
VIRTUAL CLASSROOM	_	53,231.00
TRAVEL, SEMINAR AND OTHER GRANT	_	_
WATER DESALINATION TREATMENT	_	75,888.00
WATER QUALITY MANAGEMENT NON NABL	_	33,433.00
OTHERS	_	
CCMT HELPING CENTRE	_	181,160.00
CSAB HELPING CENTRE 2014		181,100.00
PENSION (EMPLOYER) CONTRIBUTION PENSION (OWN) CONTRIBUTION		
PWD REQUIREMENT EXAMINATION	55,002.00	55,002.00
NATA EXAM 2017	_	13,329.00
AICTE WORKSHOP	162,417.00	162,417.00
BANK LOAN (DEPOSIT HEAD)	-	_
LIC DEPOSIT HEAD	148.00	-
RD (DEPOSIT HEAD)	-	-
MESS DEPOSIT	-	-
GUEST HOUSE (LOANS AND ADVANCES)	-	-
8. CLAIMS RECEIVABLE	-	-
Grand Total	247,911,107.48	210,567,291.79



SCHEDULE-9 ACADEMIC RECEIPTS

Amount in ₹

Particulars	Current Year	Previous Year
ACADEMIC		
ADMISSION PROCESSING FEE	18368529.8	15,685,501.00
INSTITUTE FEE (INCOME)	275490211	247,892,477.37
Total	293,858,740.80	263,577,978.37
EXAMINATIONS	-	-
Total	-	-
OTHER FEES	-	-
Total	-	-
SALE OF PUBLICATIONS	-	-
SALE OF APPLICATION FORMS FOR ADMISSION TO M.TECH./MBA	-	856,001.00
Total	-	856,001.00
OTHER ACADEMIC RECEIPTS	-	-
Total	-	-
Grand Total	293,858,740.80	264,433,979.37



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SCHEDULE 10 - GRANTS / SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

PARTICLES PRECENT QPPRICATAN REAL PROPERTY CANATION CA	SCHEDULE 10 - GRANTS / SUBS	רוב זמ	- GKA	DIDIN	CODS	ULES		IDIES (INNEVOCABLE GRANTS NECELVED)	DLE GI	CINE	NECE	v E.D.)	_		Amountin₹
12.566,515.15 356,058.20	PARTICULARS	PHE GRANT	QIP POLY GRANT	NON PLAN RECURRING GRANT GOVT. OF RAJASTHAN			NODAL CENTER GRANT				GRANT FOR Creation of Capital Asset	GRANT FOR MPLAD FUND	GRANT FOR HEFA Loan Interest	Current Year	Previous Year
1	Balance B/F	-22,666,691.51		,	•	-350,000.00			•	•	•	•	•	47.199,125.77	106,115,533.48
1. 00136257.	Add: Receipts during the Year	•		•	•	•	•	•	568,775,000.00			•	8,785,961.00	1,885,550,961.00	0,289,889,00
- 35,578,308.51 24,000.00 24,000.00 35,000.00	Total	-22,666,691.51		•	•	-350,000.00						•	8,785,961.00	1,838,751,835,23	1,365,705,422.48
11,617.00 \$72,006.00 172,386,601.00 172	Less. Refinal/Adjusted	-22,678,308.51		•	•	-350,000.00		•		43,699,517.00		•	•	138,890,195,23	•
11.617.00 572,466.00 14,816.090.00 566,775,000.00 964,131,483.00 - 8,786,961.00 11, 556,571.00 566,571.00 566,571.00 - 14,816,090.00 15,579,196.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 13,246,740.00 - 14,816,090.00 - 14,816,090.00 - 13,246,740.00 - 13,246,740.00 - 14,816,090.00 - 14,81	Balance	11,617.00			·	·	·	-14,803,090,00					8,785,961.00	1,699,861,640.00	1,365,705,422,48
11. 617.00 572.468.00 14,883,090.00 568,775,000.00 964,131,483.00 16,883,090.00 15. - 14,883,090.00 850,790,743.00 - 14,883,090.00 15,579,196.	Utilized for Capital Expenditure (A	·		,		,	'		, 		172,388,601.00		'	172,388,601.00	142,064,227.00
. 553,195,804,00 890,790,743,00	Balante	11,617.00		•		·	·	-14,803,090,00			•		8,785,961.00	1,527,473,039.00	1,223,641,195.48
	Utilized for Revenue Expenditure (566,571.00	,		,			553,195,804.00			•	8,785,961.00	1,453,339,079.00	1,270,840,321.25
	Balance C/F	11,617.00		•	·	·	·	-14,803,090.00			•		•	74,133,960.00	-47,199,125.77

Assistant Registrar





Amount in ?

SCHEDULE 11 - INCOME FROM INVESTMENTS

Previous Year 52,218,591.51 52,218,591.51 52,218,591.51 Other Investments Current Year 48,407,109.02 48,407,109.02 48,407,109.02 Current Year | Previous Year Earmarked / Endowment Funds 3. INCOME ACCRUED BUT NOT DUE ON TERM DEPOSITS TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS INTEREST BEARING ADVANCES TO EMPLOYEES 4. INTEREST ON SAVINGS BANK ACCOUNTS **Particulars** BALANCE TOTAL a. ON GOVERNMENT SECURITIES 2. INTEREST ON TERM DEPOSITS b. OTHER BONDS/DEBENTURES 1. INTEREST

Registrar



SCHEDULE 12 - INTEREST EARNED

Amount in ₹

Particulars	Current Year	Previous Year
1. ON SAVING ACCOUNTS WITH SCHEDULED BANKS		
MNIT INTEREST A/C (INCOME)	7,906,133.00	5,340,089.00
CONSULTANCY	5,864,011.00	7,210,520.00
2. ON LOANS		
(a) EMPLOYEES / STAFF	-	-
(b) OTHERS	-	-
3. ON DEBTORS AND OTHER RECEIVABLES	_	_
Total	13,770,144.00	12,550,609.00



SCHEDULE 13 - OTHER INCOME

Amount in ₹

Particulars	Current Year	Previous Year
A. INCOME FROM LAND AND BUILDINGS		
HOSTEL ROOM RENT (INCOME)	20,463,000.00	12,801,000.00
LIGHT AND WATER CHARGES (INCOME)	119,843.00	25,848.00
QUARTER RENT(INCOME)	7,165,000.00	5,016,641.00
RENT OF BUILDING (INCOME)	185,150.00	721,815.00
WATER CHARGES (INCOME)	10,858,801.00	6,895,312.00
Total	38,791,794.00	25,460,616.00
B. SALE OF INSTITUTES PUBLICATIONS	-	-
Total	-	-
C. INCOME FROM HOLDING EVENTS	-	-
Total	-	-
D. OTHERS		
APPLICATION FEE AGAINST ADVERTISEMENT OF POST	-	4,312,035.58
MISC. INCOME (INCOME)	1,631,522.70	8,433,487.27
SALE OF PENSION SET	2,200.00	3,000.00
LATE SUPPLY INCOME	1,066,474.00	83,585.00
LATE SUPPLY INCOME (ICC)	-	-
Total	2,700,196.70	12,832,107.85
Grand Total	41,491,990.70	38,292,723.85



SCHEDULE-14 PRIOR PERIOD INCOME

Amount in ₹

Particulars	Current Year	Previous Year
ACADEMIC RECEIPTS	-	-
INCOME FROM INVESTMENTS	-	-
INTEREST EARNED	-	-
OTHER INCOME	9,133,549.00	902,264.00
TOTAL	9,133,549.00	902,264.00



SCHEDULE-15 STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES) Amount in ₹

Particulars	Current Year	Previous Year
CHILDREN EDUCATION ALLOWANCE	7148250	7,560,000.00
COMMUTATION OF PENSION	16514359	15,552,691.00
CPDA (CONTINGENCY)	5015842	3,290,475.00
DEARNESS ALLOWANCE (M. TECH. PHE/ENVIO.ENGG.)	-	-
DEARNESS ALLOWANCE (NODAL CENTRE)	258867	154,938.00
DEARNESS ALLOWANCE (NON TEACHING STAFF)	35611999.35	19,993,760.00
DEARNESS ALLOWANCE (TEACHING STAFF)	116007815	70,049,979.00
DEPUTATION ALLOWANCE	71550	119,700.00
EARNED LEAVE ENCASHMENT FOR LTC	500406	10,063,153.00
ENCASHMENT OF LEAVE ON RETIREMENT	76,415,143.00	27,984,697.00
EPF EMPLOYER CONTRIBUTION EXPENSES	149276	236,202.00
FWA	-	-
FWA (NT)	-	-
GRADE PAY (NON-TEACHING)	42000	50,400.00
GRATUITY	1,307,153.00	16,658,987.00
GUEST FACULTY	551581	1,722,990.00
HONORARIUM TO STAFF	998575	-
HOUSE RENT ALLOWANCE (NODAL CENTRE)	164376	145,824.00
HOUSE RENT ALLOWANCE (NON TEACHING STAFF)	12751117	10,073,179.00
HOUSE RENT ALLOWANCE (TEACHING STAFF)	23775141	22,098,862.00
LEAVE SALARY CONTRIBUTION	-878024	-898,076.00
LTC	2216173	18,649,792.00
MEDICAL ALLOWANCE TO PENSIONERS	4662710	4,712,081.00
MEDICAL REIMBURSEMENT	21487034	15,847,594.00
OTHER ALLOWANCE (NON TEACHING STAFF)	6638	8,400.00
OVERTIME ALLOWANCE (NON-TEACHING)	6517	-



Amount in $\overline{\epsilon}$

Particulars	Current Year	Previous Year
PAY OF ESTABLISHMENT (CONTRACTUAL)	114081186	115,758,846.00
PAY OF ESTABLISHMENT (NON TEACHING STAFF)	109305573	100,375,918.00
PAY OF ESTT. (NODAL CENTRE)	938700	911,400.00
PAY OF OFFICERS (M. TECH. PHE/ENVIO.ENGG.)	-	-
PAY OF OFFICERS (NON TEACHING STAFF)	21083379	20,465,329.00
PAY OF OFFICERS (TEACHING STAFF)	421440449	412,231,287.00
PENSION (DEPUTATION) CONTRIBUTION	-2045377	-2,558,295.00
PENSION (EXPENDITURE)	502,888,506.00	641,064,375.00
PENSION (NON-TEACHING) CONTRIBUTION	13575097	9,814,961.00
PENSION (TEACHING) CONTRIBUTION	34076374	30,445,750.00
SPECIAL PAY (TEACHING STAFF)	88691	135,000.00
SUBSISTENCE ALLOWANCE	338330	406,026.00
SUPERANNUATION BENEFIT CONTRIBUTION	58848	93,378.00
T.A. (NODAL CENTRE)	55080	50,544.00
TRANSPORTATION ALLOWANCE (NON-TEACHING)	15055660	12,604,131.00
TRANSPORTATION ALLOWANCE (PHE)	-	-
TRANSPORTATION ALLOWANCE (TEACHING)	27524689	27,028,639.00
TRAVELLING ALLOWANCE /DA	58717	181,340.00
UNIFORM ALLOWANCE	490000	510,000.00
WARDEN ALLOWANCE (TEACHING STAFF)	1508397	1,464,184.00
WASHING ALLOWANCE (NON TEACHING STAFF)		-
TOTAL	1,585,306,797.35	1,615,058,441.00





SCHEDULE 15 A - EMPLOYEES RETIREMENT AND TERMINAL BENEFITS

Particular	PENSION	Gratuity	Leave Encashment	Total
OPENING BALANCE 01.04.2020 ADD: CAPITALIZED VALUE OF CONTRIBUTIONS RECEIVED FROM OTHER OPCANIZATION	2,703,691,349.00	296,432,013.00	319,130,125.00	3,319,253,487.00
ONCANIZATION	•	•		•
TOTA	TOTAL (A) 2,703,691,349.00	296,432,013.00	319,130,125.00	3,319,253,487.00
LESS: ACTUAL PAYMENT DURING THE YEAR (B)	175,468,415.00	13,344,828.00	15,900,507.00	204,713,750.00
BALANCE C = (A-B)	A-B) 2,528,222,934.00	283,087,185.00	303,229,618.00	3,114,539,737.00
PROVISION REQUIRED AS PER ACTUARIAL VALUATION (D)	3,031,111,440.00	284,394,338.00	379,644,761.00	3,695,150,539.00
A. PROVISION TO BE MADE IN THE CURRENT YEAR (D-C)	502,888,506.00	1,307,153.00	76,415,143.00	580,610,802.00
B. CONTRIBUTION TO NEW PENSION SCHEME	•	•	•	•
C. MEDICAL REIMBURSEMENT TO RETIRED EMPLOYEES	•	•	•	•
D. TRAVEL TO HOMETOWN ON RETIREMENT	•	•	•	•
E. DEPOSIT LINKED INSURANCE PAYMENT	•	-	-	•
Total (A+B+C+D+E))+E) 502.888.506.00	1.307.153.00	76.415.143.00	580.610.802.00



SCHEDULE-16 ACADEMIC EXPENSES

Amount in ₹

Particulars	Current Year	Previous Year
AFFILIATION AND COURSE REGISTRATION FEE	83,040.00	50,000.00
BOOKS AND PERIODICALS	196,392.00	158,925.00
CHEMICALS CONSUMABLE AND OTHER MATERIALS	3,108,707.00	2,337,117.50
CONVOCATION EXP.	2,510,206.00	-
INVITED LECTURES	1,246,041.00	1,554,838.00
LEVEARAGE	-	-
M TECH SCHOLARSHIP EXPENDITURE	103,157,864.00	99,514,021.00
NATIONAL AND INTERNATIONAL CONFERENCE / SEMINAR / SYMPOSIUM	-	422,611.00
OTHER MISC. ACADEMIC EXPENSES	-	-
PROJECT WORK OF FINAL YEAR STUDENTS	217,369.00	228,297.00
QIP SCHOLARSHIP EXPENDITURE	566,571.00	-
RESEARCH SCHOLARSHIPS EXPNDITURE	141,151,114.00	89,834,433.00
STUDENT ACTIVITY	-	-
Total	252,237,304.00	194,100,242.50



SCHEDULE-17 ADMINISTRATIVE AND GENERAL EXPENSES

Amount in ₹

Particulars	Current Year	Amount in t Previous Year
A. INFRASTRUCTURE		11011040 1041
ELECTRICITY CHARGES	36,308,730.14	28,001,934.29
ERP (AMC)	3,434,888.00	3,271,324.00
INTERNET LEASE LINE	10,242,399.00	10,242,400.00
WATER CHARGES	3,589,868.00	4,583,845.00
TOTAL(A)	53,575,885.14	46,099,503.29
B. COMMUNICATION		, ,
POSTAGE TELEPHONE AND TELEGRAM	2,385,147.50	2,258,655.00
TOTAL(B)	2,385,147.50	2,258,655.00
C. OTHERS		
ADVERTISEMENT	911,684.00	1,882,617.00
AUDIT FEES	328,770.00	351,260.00
BANK CHARGES	2,591.00	41,712.39
BOARDING AND LODGING	63,790.00	3,001.00
CAMPUS WIDE NETWORK - RECURRING	-	-
CONTINGENT EXPENSES	3,575,351.50	6,637,662.00
FIRST AID AND MEDICINES	971,335.00	396,183.00
FOREIGN CURRENCY FLUCTUATION LOSS	32,967.21	106,247.13
FUEL CHARGES FOR GENERATOR LAB ETC	53,611.00	65,238.00
HONORARIUM TO OUTSIDE EXPERT	583,840.00	210,800.00
LEGAL EXPENSES	663,650.00	963,162.00
NIT TRANSIT HOUSE	-	700,000.00
MAINT. OF VEHICLES AND POL	96,924.00	157,668.00
PATENT APPLICATION FEES	130,160.00	320,050.00
PRINTING AND STATIONERY	4,478,748.00	2,095,730.35
REFRESHMENT AND ENTERTAINMENT	1,337,205.00	687,651.00
SECURITY EXPENSES	17,246,522.00	12,471,324.00
TA DA FOR OUTSIDE EXPERTS	162,549.00	106,275.00
TRAVELLING & CONVEYANCE	-	-
VIDEO RECORDING	24,190.00	
OTHER ADMINSTRATIVE EXPENSES (ICC)	118,000.00	306,800.00
TOTAL (C)	30,781,887.71	27,503,380.87
TOTAL (A+B+C)	86,742,920.35	75,861,539.16
Transfer to Corpus, Staff Development & Maintenance Fund @8% of revenue of	32,532,922.68	29,471,853.40
Grand Total	119,275,843.03	105,333,392.56



SCHEDULE-18 TRANSPORTATION EXPENSES

Amount in $\overline{\epsilon}$

Particulars	Current Year	Previous Year
FUEL CHARGES (VEHICLE)	747,672.00	334,408.00
INSURANCE OF VEHICLES	383,507.00	245,547.00
TRANSPORT ARRANGEMENT	123,556.00	119,425.00
Total	1,254,735.00	699,380.00



SCHEDULE-19 REPAIRS & MAINTENANCE

Amount in ₹

Particulars	Current Year	Previous Year
AMC AND REPAIR OF ELECTRICAL PLANT AND EQUIPMENT	2,686,353.00	2,136,605.30
AMC AND REPAIR OF LABORATORY AND SCIENTIFIC EQUIPM	9,905,937.00	11,971,490.00
ESTATE MAINTENANCE	11,371,455.00	7,458,228.00
GARDEN MAINTENANCE	99,889.00	238,204.00
MAINT. OF AIR CONDITIONING / COOLERS	246,606.00	43,112.00
MAINT, OF COMPUTERS	554,692.00	622,771.00
MAINT, OF HOSTEL BUILDING (HOSTEL)	365,727.00	2,666,451.00
MAINT. OF STAFF QUARTERS	932,724.00	26,456.00
REPAIR/RENEWAL OF FURNITURE AND FIXTURE	-	-
REPAIRS/RENEWAL OF FURNITURE AND EQUIPMENT	935,846.00	974,894.00
STP MAINTENANCE	1,401,256.00	1,063,122.00
Total	28,500,485.00	27,201,333.30

Deputy Registrar Registrar



SCHEDULE-20 FINANCE COSTS

Amount in ₹

Particulars	Current Year	Previous Year
INTEREST ON HEFA LOAN	7,955,560.00	11,159,585.00
Total	7,955,560.00	11,159,585.00



SCHEDULE 21 - OTHER EXPENSES

Amount in₹

Particulars	Current Year	Previous Year
IRRECOVERABLE BALANCE WRITTEN OFF	125,696.00	-
Total	125,696.00	-



SCHEDULE-22 PRIOR PERIOD EXPENSES

Amount in ₹

Particulars	Current Year	Previous Year
ADMINISTRATIVE EXPENSES	194,343.00	32,884,921.00
TRANSPORTATION EXPENSES	-	-
REPAIR & MAINTENANCE	-	-
OTHER EXPENSES (DEPRECIATION)	-	-
Total	194,343.00	32,884,921.00



Balance Sheet 2021-22

SCHEDULE: 23

SIGNIFICANT ACCOUNTING POLICIES

1. BASIS FOR PREPARATION OF ACCOUNTS

The accounts are prepared under the Historical Cost Convention unless otherwise stated and generally on the Accrual method of accounting.

2. REVENUE RECOGNITION

- 2.1 Fees from Students, Sale of Admission Forms, Royalty and Interest on Savings Bank account are accounted on cash basis.
- 2.2 Income from Land, Buildings and Other Property are accounted on cash basis.
- 2.3 As per HDFC bank, Accrued interest is not provided by RBI on Bonds.

3. FIXED ASSETS AND DEPRECIATION

- **3.1** Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.
- 3.2 Gifted / Donated assets are valued at the declared value where available; if not available, the value is estimated based on the present market value adjusted with reference to the physical condition of the asset. They are set-up by credit to Capital Fund and merged with the Fixed Assets of the Institution. Depreciation is charged at the rates applicable to the respective assets.
- 3.3 Books received as gifts, are valued at selling prices printed on the books. Where they are not printed, the value is based on assessment.
- **3.4** Fixed assets are valued at cost less accumulated depreciation. Depreciation on fixed assets is provided on Straight line method, at the following rates:

Tangible Assets:

1.	Land	0%
2.	Site Development	0%
3.	Buildings	2%
4.	Roads & Bridges	2%
5.	Tube wells & Water Supply	2%
6.	Sewerage & Drainage	2%
7.	Electrical Installation and equipment	5%
8.	Plant & Machinery	5%
9.	Scientific & Laboratory Equipment	8%
10.	Office Equipment	7.5%
11.	Audio Visual Equipment	7.5%
12.	Computers & Peripherals	20%
13.	Furniture, Fixtures & Fittings	7.5%
14.	Vehicles	10%
15.	Lib. Books & Scientific Journals	10%



Balance Sheet 2021-22

Intangible Assets (amortization):

E-Journals
 Computer Software
 Patents and Copyrights
 9 years

- 3.5 Depreciation is provided for the whole year on additions during the year.
- 3.6 Where an asset is fully depreciated, it will be carried at a residual value of Re. 1 in the Balance Sheet and will not be further depreciated. Thereafter, depreciation is calculated on the additions of each year separately at the rate of depreciation applicable for that asset head.
- 3.7 Assets created out of Earmarked Funds and funds of Sponsored Projects, where the ownership of such assets vests in the Institution, are setup by credit to Capital Fund and merged with the Fixed Assets of the Institution. Depreciation is charged at the rates applicable to the respective assets. Assets created out of Sponsored Project funds, where the ownership is retained by the sponsors but held and used by the Institution arc separately disclosed in the Notes on Accounts.
- 3.8 Assets, the individual value of each of which is Rs. 2000 or less (except Library Books) are treated as Small Value Assets, 100% depreciation is provided in respect of such assets at the time of their acquisition. However physical accounting and control are continued by the holders of such assets.
- 3.9 The TEQIP Project account is maintained on cash basis and no depreciation is charged on assets created out of project fund as per the World Bank Norms.
- **4. Intangible Assets**: Patents and copy rights, E Journals and Computer Software are grouped under Intangible Assets.
 - 4.1 Electronic Journals (E-Journals) are separated from Library Books in view of the limited benefit that could be derived from the on-line access provided. E-journals are not in a tangible form, but temporarily capitalized and in view of the magnitude of expenditure and the benefit derived in terms of perpetual knowledge acquired by the Academic and Research Staff; Depreciation is provided in respect of E-journals at a higher rate of 40% as against depreciation of 10% provided in respect of Library Books.
 - 4.2 Expenditure on acquisition of software has been separated from computers and peripherals, as apart from being intangible assets, the rate of obsolescence in respect of these is very high. Depreciation is provided in respect of software at a higher rate of 40% as against depreciation of 20% provided in respect of Computers & Peripherals.

5. RETIREMENT BENEFITS

Provision for liability towards accumulated leave encashment of employees, pensionary benefit and gratuity payable on death/retirement of employees as on 31st March, 2022 has been done on actuarial basis.



Balance Sheet 2021-22

6. INVESTMENTS

- a) Long term investments are carried at their cost or face value whichever is lower. However any permanent diminution in their value as on the date of the Balance Sheet is provided for.
- b) Short Term investments are carried at their cost or market value (if quoted) whichever is lower.
- c) Investments are to be valued at Cost.
- d) Cost shall include acquisition expenses like brokerage, transfer stamps etc.

7. GOVERNMENT GRANTS/ SUBSIDIES:

- 7.1 Government Grants are accounted on realization basis. However, where a sanction for release of grant pertaining to the financial year is received before 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount is shown as grant receivable from the grantor.
- **7.2** Grants in respect of specific fixed assets acquired are made part of the capital reserve on utilization of the grant.

8. FOREIGN CURRENCY TRANSACTIONS:

Receipt in foreign currency is recorded at the exchange prevailing on the date of transaction.

Exchange differences arising on the settlement of monetary items is recognized as income or as expenses in the period in which they arise.

9. INCOME TAX:

The income of the Institution is exempt from Income Tax under Section 10(23c) of the Income Tax Act. No provision for tax is therefore made in Accounts.

10. ACCRUED INCOME

Rent, electricity and water charges from various contractors are account for on actual realization basis due to conservative approach as per AS-1 (Prudence) issued by the Institute of Charted Accountant of India.



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR Balance Sheet 2021-22

SCHEDULE: 24

CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

1. CONTINGENT LIABILITIUES:

2.

2.1 The detail of cases in which due amount have been claimed by petitioner/claimant/applicant in writ petition/claim petition /claim Application respectively and which are pending for final adjudication till 31..03.2021 before concerned Hon'ble Courts/Prescribed Authorities, are as under:

S. N o.	Case No. and title	Particulars	Disputed/Sub judice amount of claim (Amount)	Remarks
1.	Reference/Complaint No. O.P.MSEFC/CBER/1 6/2019 titled as M/s Mukesh & Associates Vs Registrar, MNIT Jaipur	Petitioner M/s Mukesh & Associates filed a reference/complaint under section 18, "chapter V of Micro, Small Enterprises development Act, 2006 before the Court of The Regional Micro and Small Enterprises Facilitation Council at Coimbatore Region with a prayer to direct the respondent Institution for releasing the due amount of claim.	73,86,896	Pending before the Court of The Regional Micro and Small Enterprises Facilitation Council. Coimbatore Region.
2.	Writ Petition No. 550/2020 Titled as M/s Powai Labs Technology Pvt. Ltd. Vs MNIT & Others	Writ petition filed by petitioner with a prayer seeking direction to direct the respondents to comply with their contractual obligations as per terms and conditions of the Memorandum of Agreement dated 11-06-2014	1,99,50,000	Pending before High Court of Judicature at Bombay.
3.	Application No. 08/2018 titled as MNIT Mess Employee Union Vs Director MNIT Jaipur & Others	Mess Employees has filed the said application for early compliance of the order dated 12/10/2017 passed by Hon'ble Labour Court in case LCC no. 27/2016	7,16,66,875 + interest @ 7 % p.a.	Pending before Hon'ble Joint Labour Commissioner and Dy. Secretary (Labour) Jaipur



Balance Sheet 2021-22

4.	Arbitration Application No.	Arbitration application has been filed by KMV Projects Ltd. before Hon'ble Rajasthan High Court	Rs. 34,78,56,735/-	Pending before Hon'ble High
	160/2021 titled as	for appointment of an independent sole arbitrator for		Court of
	KMV Projects	settlement of disputes and releasing payment of		Judicature for
	Limited, Hyderabad	compensation towards losses and damages occurred		Rajasthan,
	Vs MNIT Jaipur	during construction work related to Academic Lecture Theatres Building situated at MNIT Jaipur.		Bench at Jaipur
		Ecclure Theatres Building situated at WIVIT Jaipur.		

- 2.2 Bank Guarantees given on behalf of the institution: Rs. Nil
- 2.3 In respect of claims from parties for non execution of orders, but contested by the institution Rs. Nil
- 2.4 Estimated value of contracts remaining to be executed on capital account and not provided for (net of advances): Rs. Nil.
- 3. Nature of the fixed assets has been determined on provisional basis as the value of each class of fixed assets shown needs to be arrived at accurately, on the basis of examination of vouches of past years as well and this involve tremendous efforts and time. The depreciation charged thereon, therefore is subject to change on such re-categorization of the fixed assets.
- **4.** Details of assets procured from sponsored projects during the current financial year is as follows:

S.no	Particulars	Amount (in Rs.)	Branch
1	Scientific and lab equipments	1,98,99,749.28	Sponsored Research
2	Computers and peripherals	38,24,268.00	Sponsored Research

- 5. As per PIP of TEQIP Phase III provision of 8% of revenue of institute has been made in four funds namely Corpus Fund, Staff development fund, Equipment replacement fund and Maintenance fund in equal proportion.
- **6.** In the opinion of the management, the value of the current assets, Loans and advances have the revisable value stated.
- 7. So far the cash system of accounting was being followed, but due to the inference drawn from the new format of accounts the system has been changed to the mercantile.
- **8.** Figures are exhibiting rounding them off in the Balance Sheet, Income Expenditure Account and Receipt and Payment Account.
- 9. All Grants received by Institute are refundable.
- 10. Schedules 1 to 24 are annexed to and from an integral part of the Balance Sheet as at 31.03.2022 and the Income and Expenditure Account for the year ended on that date.
- As per Accounting Principles approved by MHRD, figures in Balance Sheet and Income & Expenditure have been shown in lakh.
- 12. Previous Year Figures have been regrouped & rearranged wherever found necessary.



RECEIPT & PAYMENT ACCOUNT

	1			4	Amount
Receipts	Current Year	Previous year	Payments	Current Year	Previous year
I. Opening Balances			I. Expenses	00 200 0110 0011	000000000000000000000000000000000000000
a) Cash Balances:-			a) Establishment Expenses	892,089,906,00	00.704,500,258
Institute	172,964.00	96,167.00	b) Academic Expenses	245,170,590.00	205,663,761.00
Guest House	28,404.00	671,054.00	c) Administration Expenses	409,392,217.82	400,826,019.97
UNESCO Coupons	558.03	558.03	d) Transportation Expenses	831,232.00	1,820,387.00
Postage	3,632.00	3,632.00	e) Repairs & Maintenance	31,858,164.00	29,720,127.00
University forms (stock)	13,125.00	13,125.00	13,125.00 H. Payments against Earmarked / Endowment Funds	•	•
b) <u>Bank Balance</u>			III. Payments against Sponsored Projects/Schemes	9,121,061.81	34,534,061.63
i) In Current Accounts			IV. Payments against Sponsored Fellowships / Scholarshins	•	•
ICICI CA-0011	203,926,502.79	81,249,457.06	81,249,457.06 V. Investments and Deposits made		
SBI 89621			 a) Out of Earmarked/Endowments funds 	11,806,660.40	20,972,225.11
ii) In Deposit Accounts	1 044 000 000 000	A 645 645 645	 b) Out of own funds (Investments – others) 	•	•
Institute	1,844,280,309.00	1,615,242,343.40	VI. Term Deposits with Scheduled Banks	_	•
Sponsored research	51,891,273.00	91,028,107.63	VII. Expenditure on Fixed Assets and Capital Works- in		
TEOTP			a) Fived Accets	178.362.281.31	194.298.977.32
CBERD			b) Capital Works-in-Progress	14,045,064,00	7.418.243.00
CMSIC			VIII. Other Payments including statutory payments	102,053.00	147,918.00
Guest house	22,500,000.00	18,000,000.00	18,000,000.00 IX. Refunds of Grants		
iii) Savings Accounts			Grant in Aid General 31	•	•
Institute:-			Grant in Aid Salary 36	43,699,517.00	•
ICICI SB-105615	60,997,342.49	22,193,923.15	Grant in Aid Capital Assets 35	128,170,399.00	•
ICICI-20586	000000000000000000000000000000000000000	0 0 0 0		•	•
ICICI-00543	3,724,858.89		X. Deposits and Advances		00 17 232 00
SBI 3/488005138	1,600,272,00	00.286,116,1	a) Earmarked Tunds	•	00.10,755,29
OBC SB-22670	00 087 477 60	00 000 000 00	b) Secured Loans	•	•
CANARA BANK PRINCIPAL REPAYMENT 7511	33,665,648.00	26,033,069.00	c) Unsecured Loans		- 02 076 216 277
CANAKA BANK INTEREST KEPAYMENT /312 PD Account No. 15 (Interest Restring)	11,6/2.00	0.184,981.00	 Uther Liabilities and Provisions Other Liabilities and Provisions(Trite) 	127 347 885 41	540,710,249.58
AKSHYA NIDHI FUND ICICI 1072	8.172.661.18	6.391.070.18	f) Comic Employment Funds Investments	4.998.00	•
SBI 10125472413	333,655.94	324,734.94	g) Investment Others		•
SBI-MNIT SB-81946			h) Current Assets, Loans and Advances	1,591,702,552.85	1,324,858,288.67
YES BANK SB-355	•	300,221.53	 Current Assets, Loans and Advances (Units) 	10,449,671.00	149,096,260.72
SBI 37347860345	21,721,623.84	18,707,206.85	18,707,206.85 XI. Other Payments (units)	652,556.00	321,647.50
SBI-Corpus Fund SB-36164	4,954,942.00		XII. Closing Balances		
SBI-Staff Development SB-67320	10,685,849.00	10,400,097.00	a) Cash in hand		
INDUSIND 159549654162	6,727,985.72	6,295,394.72	Institute	135,271.00	172,964.00
Institute Units:-			Guest House	42,696.00	28,404.00
Consultancy	163,901,286.70	171,799,317.14	UNESCO Coupons	558.03	558.03
Research	45,631,269.79	36,939,291.47	Postage	3,632.00	3,632,00
CBERD	22,465.50	53,343.50	University forms(stock)	13,125.00	13,125.00
Guest House	689,521.80	3,283,547.42			
TEQIPII	4,931,648.32	4,747,732.32	i) In Current accounts		
TEQIP III	8,389,433.86	6,397,155.86		184,683,947.28	203,926,502.79
				2,345,183,101.00	1,844,280,309.00
			1) Institute		

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II. Grants Received a) From Government of India Grant in Aid General 31 Grant in Aid Salary 36 Grant in Aid Capital Assets 35 Grant in Aid Capital Assets 35			ı		
Grant in Aid General 31 Grant in Aid Salary 36 Grant in Aid Capital Assets 35 Grant ear UDDA I can Intercent			2) Units (deposit) Consultancy		
Grant in Aid Capital Assets 35 Grant Eve UBEA I was Interested	568,775,000.00	449,400,000.00	Sponsored Research	54,161,859.00	51,891,273.00
Grount for UDDA I non Internet	300,559,000.00	93,549,000.00	CBERD		
Office of the California of th	8,785,961.00	340 747 00	GUEST HOUSE	24,016,652.00	22,500,000.00
TEQIP III Grant	1,081,532.00	21,549,308.00	In) Savings accounts Institute		
b) From State Government			ICICI SB-105615	103,181,844.98	60,997,342.49
c) From other sources (details)			ICICI 00543 ICICI 676801701072 (MAN)	8,476,700.18	3,724,858.89 8,172,661.18
III. Academic Receipts	306,886,228.80	287,108,305.37	OBC SB-22670 CANARA PRINCIPAL 7511	34,758,487.00	33,665,648.00
IV. Receipts against Earmarked/ Endowment Funds			CANARA BANK INTEREST 07512	16,961.00	11,672.00
V. Receipts against Sponsored Projects/Schemes Institute			P.D Account No. 15 (Interest Bearging) SBI 10125472413	121,542.00 342,756.94	113,485.00 333,655.94
Units Sponsored Research	134,626,920.14	74,562,861.35	SBI 37347860345 SBI-Corpus Fund SB-36164	19,257,366.36 44,086.00	21,721,623.84 4,954,942.00
VI. Receipts against sponsored Fellowships and Scholarships			SBI-Staff Development SB-67320	87,300.00	10,685,849.00
VII. Income on Investments from			SBI 37488665138	17,010.00	1,600,272.00
a) Earmarked/Endowment funds	149,192,641.60	32,005,534.12	INDUSIND 159549654162	7,077,864.72	6,727,985.72
b) Other investments VIII. Interest received on			ICICI01433 ICICI SB 701341	5.514,745.27	
a) Bank Deposit (Institute)	79,171,978.66	171,543,004.29	Units		1
b) Bank Deposit (Units) c) I come and Advancee	4,092,364.00	4,986,849.51	Consultancy Guest House	3.087.668.60	163,901,286.70 689 521 80
d) Saving Bank Accounts	8,285,918.00	9,309,811.13	Research	102,922,305.28	45,631,269.79
IX. Investments encashed			ТЕОІР ІІ	5,079,231.32	4,931,648.32
X. Term Deposits with Scheduled Banks encashed	CF 0.21 0.22 A	0.000	TEQIP III	7,680,850.86	8,389,433.86
AI. Other income (including Prior Feriod Income) XII. Deposits and Advances	4,005,105.72	822,988.22	CBERD	75,0/8.50	22,403.30
a) Fund received from R&C	1	,			
i) to Corpus fund	85,246,377.77	21,511,717.13			
n) to Staff Development Fund iii) to R&D Fund(General)	3,572,151.56	9,063,275.31			
b) Earmarked funds					
c) Units					
d) Receipt of secured Loans e) Receipt of unsecured Loans					
f) Other Liabilities and Provisions	139,574,775.44	229,649,724.06			
g) Other Liabilities and Provisions (units) h) Provident/Endowment Funds Investments	'	862.00			
i) Investment Others	•				
j) Current assets, loans and Advances	1,811,834,951.20	1,631,456,490.71			
K) Current assets, toans and Advances (Units) XIII. Miscellaneous Receipts including Statutory Receipts	166,996,727.00	499 668 00			
XIV. Any Other Receipts					
a) Other Income	49,875,839.53	36,218,594.33			
b) Other Income (Units) C) Student Fee	76,965.00	1,800,189.00			
Total	7, 330, 208, 405, 27	6 248 245 080 96	Total	7,330,208,405,27	6 248 245 080 96



Director

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR GENERAL PROVIDENT FUND ACCOUNT (GPF TRUST) BALANCE SHEET AS ON 31ST MARCH, 2022

Amount in lakh

Liabilities	Current Year Previous Year	Previous Year	Assets	Current Year	Previous Year
Opening Balance	3,822.21	3,368.88	Investment (FDRs)	3,500.00	3,000.00
Less: Subscription for March 2021	39.80	35.80	Interest accrued on FDR	444.09	262.93
Add: Subscriptions in the year	453.87	504.39	Subscription due for March, 2022	34.86	39.80
Add: Subscription for March 2022	34.86	39.80	GPF Loan to Employee	260.46	290.00
Add: Interest Credited	239.94	187.08	ICICI Flexi Deposit	5.50	208.45
Less: Interest Reserve	'	'	ICICI Bank Balance	50.28	55.53
Less: Permanent withdrawal and Final					
Payment	199.23	242.15	Own Share Receivable	ı	ı
Closing Balance	4,311.86	3,822.21	loan Own Share Receivable	ı	1
PW payable to MNIT	1	1	TDS receivable	13.50	8.70
Interest Reserve 43.21	1	1	Receivable from MNIT	43.20	ı
Add: Surplus (3.17)	40.04	43.21			
Payable to MNIT	1	1			
Total	4,351.90	3,865.43	Total	4,351.90	3,865.43

Assistant Registrar



INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED 31ST MARCH, 2022 MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR GENERAL PROVIDENT FUND ACCOUNT (GPF TRUST)

Amount in lakh

Interest Credited to : 187.08 Interest earned on Investment 236.77 GPF Account - - - CPF Account - - - University Contribution (CPF) - - - NPS Tier-II Account - - - Excess of Income over Expenditure (3.17) 31.85 - Total 236.77 218.94 Total 236.77	Expenditure	Current Year	Current Year Previous Year	Income	Current Year	Current Year Previous Year
239.94 187.08 31.85 236.77 218.94 Total	Interest Credited to :			Interest earned on Investment	236.77	218.94
	GPF Account	239.94	187.08			
	CPF Account	ı	ı			
31.85 (3.17) 31.85 236.77 218.94 Total	University Contribution (CPF)	1	ı			
(3.17) 31.85 31.85 236.77 218.94 Total	NPS Tier-II Account	1	1			
236.77 218.94 Total	Excess of Income over Expenditure	(3.17)	31.85			
	Total	236.77	218.94	Total	236.77	218.94

Assistant Registrar

Registrar

Director



RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2021-22 MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR GENERAL PROVIDENT FUND ACCOUNT (GPF TRUST)

Amount in ₹

Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
Opening Balance:			GPF Final/Permanent withdrawal	18,104,566.00	21,369,103.00
ICICI Bank	20,845,000.00	56,440,000.00	GPF Final Payment	1	1
ICICI Flexi Deposit	5,553,495.27	5,197,825.04	FDR & Bonds	50,000,000.00	100,000,000.00
GPF Subscription	45,386,930.00	50,438,590.00	GPF Loan to Employee	15,948,900.00	21,352,910.00
Interest Received	761,116.00	6,440,271.61	Closing Balance:		
Loan Recovery	17,084,600.00	12,303,405.00	ICICI Bank	550,000.00	20,845,000.00
Loan Recovery Salary	1	ı	ICICI Flexi Deposit	5,027,675.27	5,553,495.27
Receivable from MNIT	1	38,300,416.62			
Tds Received	•	ı			
Payable to MNIT	'	•			
Total	89,631,141.27	169,120,508.27	Total	89,631,141.27	169,120,508.27

Assistant Registrar

Registrar

Director



Director



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR

NPS TIER - I ACCOUNT

BALANCE SHEET AS ON 31ST MARCH, 2022

Amount in Lakh

Liabilities	Current Year	Previous Year	Assets	Current Year	Previous Year
NPS Tier-I Account					
Opening Balance	1.64	9.58	Subscription and contribution due		
Add: Subscriptions in the year	801.62	682.57	for March 2022	74.54	58.66
Add : Interest Credited		0.00			
Less: Transferred to NSDL	803.19	690.51	Investment		
Less: Transferred to Corpus Fund	00.00	0.00	Balance at Institute Bank:-		
Add: Subscription for March 2022	74.54	58.66	Employer Contribution	0.04	0.96
Excess of Income over Expenditure	0.00	0.00	Employee Contribution	0.03	0.68
Total	74.62	60.30	Total	74.62	60.30

Assistant Registrar



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED ON 31ST MARCH, 2022 NPS - I ACCOUNTS

Amount in Lakh

Expenditure	Current Year	Current Year Previous Year	Income	Current Year	Current Year Previous Year
Interest credited to subscribers' Accounts	00.00	0.00	Interest Earned on Investment	0.00	0.00
Bank Charges	0.00	0.00	Less: Interest Accrued March 2021	0.00	0.00
Excess of Income over Expenditure Total	0.00	0.00	Total	00.0	0.00

Assistant Registrar

Director



Director



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR

NPS - I ACCOUNTS

RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2021-22

						Amount in c
	Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
	Onening Balance as on 01 04 2020	164076.00	957574 00	057574 00 Investment	00 0	00 0
	Opening balance as on other property	00:010101	00:1:00			
	NPS Tier - I Account			Transfer to NSDL	80318606.00	69041796.00
				Transfer to Corpus fund	00.00	0.00
	Own Subscription	33400987.00 28441025.00	28441025.00	Closing Balance as on 31.03.2021		
	Institute contribution	46761202.00 39807273.00	39807273.00	Employer Contribution	4473.00	95763.00
				Employee Contribution	3186.00	68313.00
	Interest received on Investment	0.00	0.00			
	Interest on saving bank A/c	0.00	00.00			
	-	G G	Ç.			
	Investment Encashed	00:00	0.00			
	Interest Received	0.00	0.00			
	Total	80326265.00 69205872.00	69205872.00	Total	80326265.00	69205872.00
4						

Constitution Day Celebration





Alumni Meet







Tribute to Pt. Madan Mohan Malaviya Ji





Convocation 2021





Inaguration MAC HUB

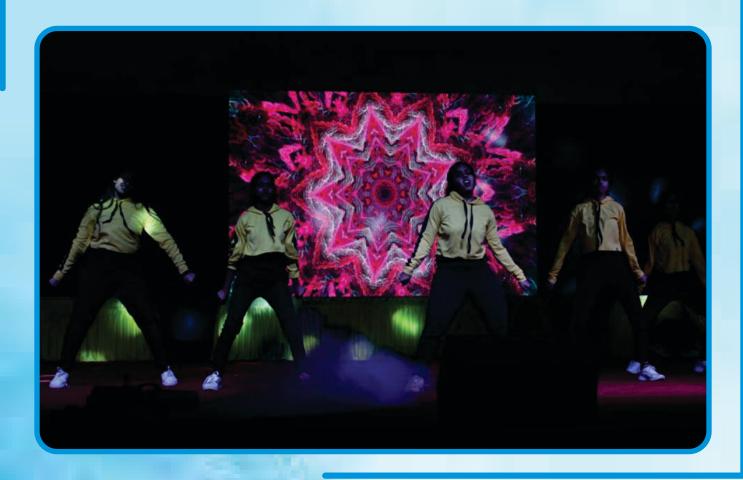


Interaction With Faculty



Orientation Programme





Sports Activities





Mou Signing Ceremony



Indian Air Force & MNIT Jaipur MoU Signing Ceremony 10th January, 2022

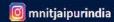




































Green Committee Activities





Unnat Bharat Abhiyan



Unnat Bharat Abhiyan



एमएनआईटी का १५वां दीक्षांत समारोह कल



एमओयू; वायुसेना के विमानों के पार्ट्स की विश्वसनीयता



क भारकर, जबपुर, शुक्रवार १० सितंबर, २०२१

आर्डआर्डरी गरात लगता संबर साल नवा-१, टॉप-१० में राज

देश के टॉप-100 शैक्षणिक संस्थानों में राजस्थान के सिर्फ 3, वजह-खराब छवि

के टॉप संस्थानों के <u>पीतर परकेशन का स्तर 50 से ऊपर नहीं,</u> खेर्च आईआईटीज में वह 90-100 ता वीवन के विकास स्टार्क्स में आईआईसे मध्या को २०० और अधिवाद को सका १३.७० अध्यक्त

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दैनिक भास्कर 12.10.2021

एमएनआईटी : दीक्षांत समारोह में 2507 डिग्रियों में 75 गोल्ड मेडल दिए गए



मनाई मीट : एमएनआईटी में शर्ननार को 1970 और 1971 के स्वर्ण जयंती 1995 व 1996 के रजत जयंती बैच के एल्मिनाई स्टूडेंट्स हुए शामिल

बैकबेंचर्स ने कैंटीन में 25 साल बाद एक प्लेट में ही खाई चाऊमीन, कहा- यहां घंटों बैठते थे





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<mark>यर हेडक्वाटर्स से मिली अनुमति,</mark> तीन से चार महीने में होगा स्थापित

एमएनआइटी जयपुर कैंपस में

एमएनआईटीः दो दिवसीय ऑरिएंटेशन प्रोग्राम में शामिल हुए 900 फ्रेशर्स

सिटी रिपोर्टर। एमएनआईटी में आयोजित २ दिलसीय ऑफलाइन ऑस्प्टिशन पोप्ता में फ्रेशर्स ने हिस्सा लिया। जिसमें बेटिक



itvभारकर

जयपुर एमएनआईटी को मिली ३१ एनआईटी, २६ द्रिपलआईटी, 29 जीएफटीआई में एडमिशन और काउंसलिंग की जिम्मेदारी

विशेषज्ञों ने कहा-हिंदी को मिले अंतरराष्ट्रीय भाषा का दर्जा



एमएनआईटी में 2 साल बाद सुनाई दी डांडिया और गरबा की खनक, स्टूडेंट्स ने किया वीकेंड एंजॉय ट्रेडिशनल और बॉलीवुड बीट्स पर इंजीनियर्स ने किया डांडिया और गरबा



समाचार जगत 12.10.2021

एमएनआईटी का १५वां दीशांत समारोह

सतत सीखने की भावना के साथ राष्ट्र के विकास में सहभागी बनें इंजीनियरिंग छात्रः प्रधान

७५ स्वर्ण पदक पदान किए

राजस्थान पत्रिका 12.10.2021

पत्रिका PLUS

आइटी की कॉन्वोकेशन सेरेमनी, स्टूडेंट्स को मिली डिग्री

दीक्षांत समारोह में स्ट्डेंट्स ने ताजा की पुरानी यादें शतम दीभांत समायेड

सुरभि-जसप्रीत को फुल टर्म डॉक्टरल फैलोशिप

आईसीएसएसआर हारा पुरूष ट्राम डीक्टरल फेलीशिप प्रदान की गई है। सुर्पि एमएनआईटी कॉलेज में हुस्पैनटीज एंड सोशल सहस डिपार्टमेंट से और जसबीत

शी न्यूज़

पहल : वेस्ट कपड़ों से तैयार कर रही हैं सैनेटरी पैड्स

जयपुर मालबीय नेहनल

इस्टोर्फ्ट ऑफ टेक्नोलीजी

(एमरनअइटी) में महिलाएं र्रमहरितंत्र को बढ़ावा दे रही है। महिला फेंकर्टी मेंबर्स के सथ-सब पेरिसर्स की पतिनों ने कई

रैयरेबन उत्पद तेया किए हैं

निममें स्नेटरी पेड्स अहम हैं। इसे

वेपर कार्ड में ठेवर किया ज रहा

है। एमएअइटी की एनेमिए

प्रेफेस डॉ. निवंदित कील बताती

हैं कि बॉटन से सैनेटरी पैडम तेंबर

सिटी रिपोर्टर . एमएनआईटी पीएचडी स्टूडेंट सुर्राभ सेठी और जसप्रीत कौर को

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तैयार किए डेकोरेटिव आइटम्स

महिलाओं ने क्रिनटिय कुन्त ग्रुप पन स्खा है, जिसके तहत बीते.

थे। वहीं इस बार बच्चों को भी जोड़ा नकि दे वेस्ट प्रोडक्टर की

करनेकी फलन निर्फंडको फ्रेंडली वृतिका गंवल इंस्टेट्स्ट्र के मर्केट को मिलाई मशीन, काहा आदि है, बरिक रोजगर सा अध्यर में है। कबर्टर में रहने वाली महिलाओं को महिला फेकर्टर में प्यास उपतस्य

हमारे पुत्र की नेम्बर्स पुन्त गुन्त और प्रतिक्षित कर रही हैं। इन महिलाओं करबा रही हैं। फिर से सैनेटरी पैड्स

लॉक्डाउन में बेस्ट ब्रेडक्ट में कई इंक्नेबेटिव अइटम्म तैयार किए

रीहत करना सीख सके। बच्चों के लिए वर्कशॉप आयंत्रित की गई

507 स्टूडेट्स की डिग्री मिलेगी 75 की गोल्ड मेडल

दैनिक नवज्योति

एमएनआईटी में एल्युमनी समारोह

कलक्टर अंतर सिंह सहित

16 लोगों को मिला पुरस्कार

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In a lst, MNIT inks agreement with IAF for research projects

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महानगर टाइम्स 12.10.2021

रिकल का उपयोग देश के लिए करें स्ट्डेंट : शिक्षामंत्री प्रधान



महानामा राज्यावरवाता । उनके जीवन महत्यापूर्ण अध्यापक व्यवस्था विकास करवाता । उनके जीवन महत्यापूर्ण अध्यापक विकास करवाता । उनके विकास करवाता । उनक

दैनिक भारकर. जयपुर गुरुवार १३ जनव

राष्ट्रीय युवा दिवस पर इग्स फ्रीं सोसायटी का संकल्प लिया



सिटी रिपोर्टर । राष्ट्रीय युवा दिवस के मौके पर बुधवार को एमएनआईटी में समाजसेवक व आईआईटी रुड़की के एलुमिनाई डॉ. शैलेंद्र का विशिष्ट व्याख्यान हुआ। व्याख्यान का विषय विवेकानंद के जीवन व कार्य था। डॉ. शैलेन्द्र ने विवेकानंद के खेतड़ी, अलवर के प्रवास की कई रोचक घटनाएं बताईं। उन्होंने बताया कि कैसे महाराजा खेतड़ी ने अद्भुत स्मरणशक्ति की विशिष्टता के कारण विवेकानंद नामकरण किया। शिक्षा

संस्थान के डायरेक्टर प्रोफेसर एपीएस राठौर ने विवेकानंद के आदर्श वाक्य 'उठो जागो और रुको मत जब तक अपने उद्देश्य में सफल न हो जाओ' को दोहराते हुए ड्रग्स फ्री सोसायटी का संकल्प लेने के लिए कहा। इस मौके पर एमएनआईटी से प्रोफेसर के.आर. नियाजी ने सभी का

और जीवन समाज के लिए हैं।

स्वागत किया।





<mark>मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर</mark> Malaviya National Institute of Technology Jaipur

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