

# Annual Report & Annual Accounts 2013-14



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR



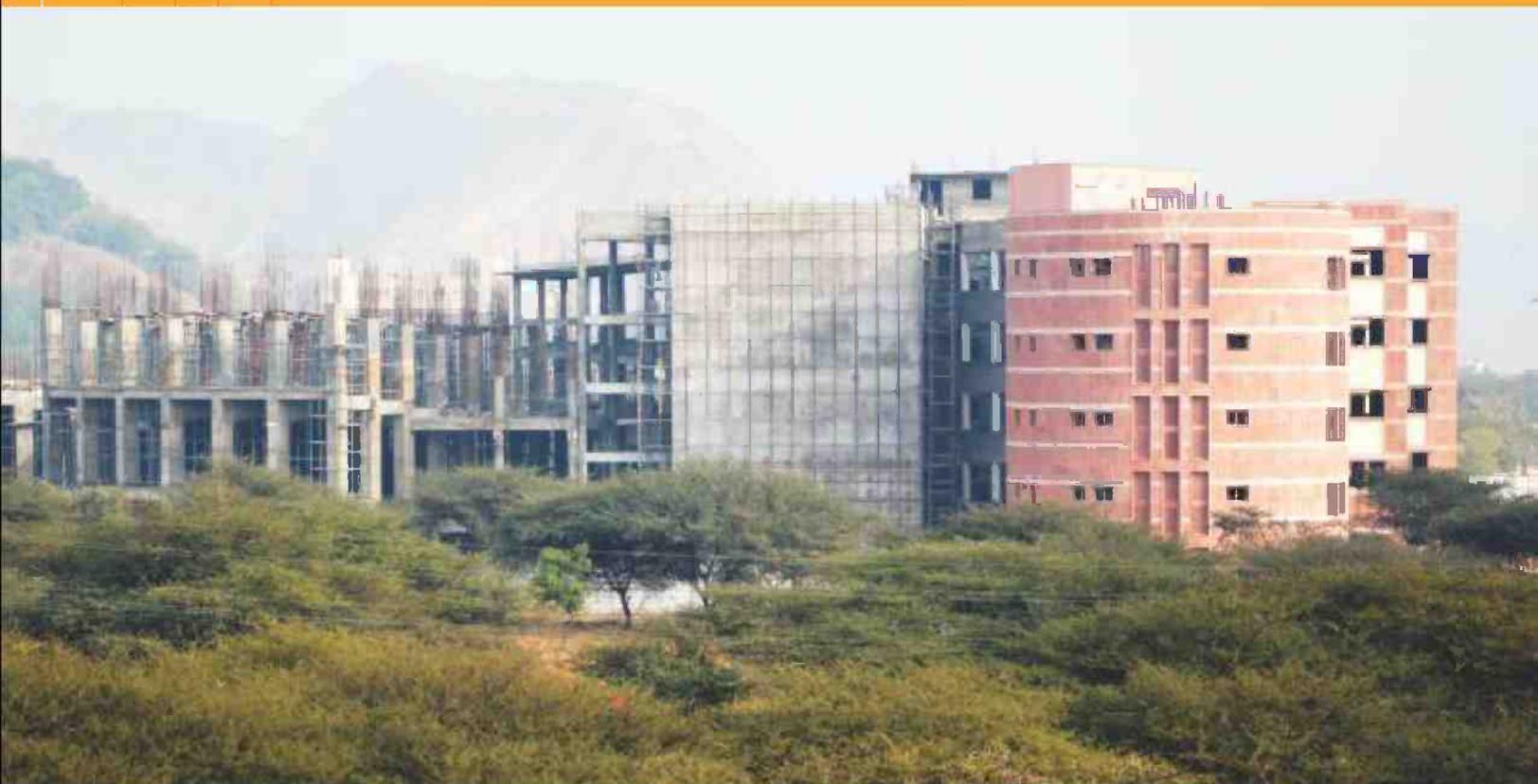
# V I S I O N

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.

# M I S S I O N

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.



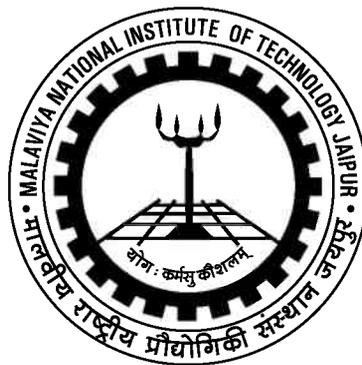


## **MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR**

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# **Annual Report & Annual Accounts 2013-14**



**MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY  
JAIPUR - 302017**



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# **Part - 1**

# **Annual Report**



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# MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR

## ANNUAL REPORT 2013-14

### REVIEW

#### ACADEMIC PROGRAMMES

##### (a) Undergraduate Programmes (Bachelor of Technology)

Courses of study are offered in the following disciplines leading to the Bachelors degree

S. No.	Discipline/Duration	No. of Seats
1.	Architecture (5 years)	62
2.	Civil Engg. (4 years)	92
3.	Chemical Engg. (4 years)	92
4.	Computer Engg. (4 years)	93
5.	Electrical Engg. (4 years)	93
6.	Electronics & Communication Engg. (4 years)	93
7.	Mechanical Engg. (4 years)	93
8.	Metallurgical Engg. (4 years)	92
	<b>Total</b>	<b>710</b>

##### (b) Postgraduate Programmes (Master of Technology)

Academic Programmes leading to M. Tech./M.B.A./M.Sc. Degree as noted below

S. No.	Title of Course	Department Offering the Programmes
1.	M. Planning in Urban Planning	Architecture
2.	M.Tech. in Water Resource Engineering	Civil Engg.
3.	M. Tech. in Environmental Engineering	Civil Engg.
4.	M.Tech. in Transportation Engineering	Civil Engg.
5.	M.Tech. in Structural Engineering	Civil Engg.
6.	M. Tech. in Disaster Assessment and Mitigation	Civil Engg.
7.	M.Tech. in Chemical Engineering	Chemical Engg.
8.	M. Tech. in Computer Engineering	Computer Engg.
9.	M.Tech. in Renewable Energy	Centre for Env. & Energy
10.	M. Tech. in Power Systems	Electrical Engg.
11.	M. Tech. in Electronics and Comm. Engg.	Electronics & Comm. Engg.
12.	M. Tech. in VLSI Design	Electronics & Comm. Engg.
13.	M.Tech. in Industrial Engineering	Mechanical Engg.
14.	M. Tech. in Energy Engineering	Mechanical Engg.
15.	M.Tech. in Production Engg.	Mechanical Engg.
16.	M. Tech. in Design Engg.	Mechanical Engg.
17.	M. Tech. in Metallurgical & Materials Engg.	Metallurgical & Materials Engg.
18.	M. Tech. in Steel Technology	Metallurgical & Materials Engg.
19.	M. Sc. in Applied Physics	Physics Dept.
20.	M. Sc. in Applied Chemistry	Chemistry Dept.
21.	M. Sc. in Applied Mathematics	Mathematics Dept.
22.	Master of Business Administration (MBA)	Management Studies Dept.



## **ADMISSION PROCEDURE**

### **(a) Undergraduate Programmes**

The admissions are made through JEE Mains conducted by the Central Counselling Board i.e. CSAB and online counselling conducted by Central Seat Allocation Board on behalf of the Ministry of Human Resource Development, Govt. of India, New Delhi. The minimum academic qualification for admission through JEE is a pass in the final examination of 10+2 (Class XII) or its equivalent. Foreign students are admitted through DASA, ICCR and MEA.

### **(b) Postgraduate Programmes**

Admissions for M. Tech/M.Sc./MBA are done (i) for full time through score in GATE conducted by IIT and (ii) for sponsored candidates, whether full time or part time, through interview/test/GATE (depending on availability of seats)/Admissions to full time and part time Ph.D. programmes are done through interview/tests conducted by individual Department.

## **BOARD OF GOVERNORS**

The institute is managed by a board of governors which consists of

- (i) The Chairperson to be nominated by the Visitor;
- (ii) The Director, Ex officio;
- (iii) Two persons not below the rank of the 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 Institute is situated, from amongst persons, who, in the opinion of that Government, are technologists or industrialists or individuals 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; and
- (vi) One professor and one assistant professor or a lecturer of the Institute to be nominated by the Senate.

Present composition of Board of Governors is given in Annexure 11.1

## **FINANCE COMMITTEE**

The Committee is constituted by the Board of Governors. The composition is given in Annexure 11.2

## **BUILDING AND WORKS COMMITTEE**

The Committee is constituted by the Board of Governors. The composition is given in Annexure 11.2

## **SENATE**

Present composition is given in Annexure 11.2

## **STAFF**

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

## **ACADEMIC DEPARTMENTS**

The detailed information about the academic activities of the departments of the Institute including participation of faculty members in Seminars, Symposia, Workshops and summer/winter schools and organization of various academics activities by the faculty members are provided in chapter 11.6. Sponsored research projects/consultancy worth more than three crores are currently under progress at the institute. The consultancy revenue generation has also increased in the Institute. The Institute is a part of Technical



Education Quality Improvement Programme (TEQIP), Phase II.

The details regarding the research projects and consultancy projects are provided in chapter 11.3. The research output in the form of publication in journals/conference proceedings/books is given in chapter 11.9. 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**

### **Best Practices**

**Academic :** A continuous process of evaluation throughout each semester is the highlight of the grading system. Each student is assessed on the basis of his/her performance in tutorials/practical class assignments, home assignments, term papers, seminars, quizzes, midterm and end term examinations.

To ensure maximum transparency in the appraisal of the academic performance, the answer sheets of the mid- & end term examination are shown to and discussed with the students.

Subject to fulfilling the minimum requirement for continuation a student is allowed to progress at an optimum pace, suited to his/her ability and convenience.

Each course has a number of credits and this number defines the weightage of this course. The performance of the student is measured in terms of the number of credits he/she has successfully completed. A minimum Grade Point Average is mandatory to be maintained for satisfactory progress. A minimum number of credits is mandatory for the qualification for the degree.

A Course coordinator is designated for every course of every department. He/she shoulders the full responsibilities for the conduct of this course, coordinating the work of other members of the faculty involved in the teaching and evaluation of this course. The student may approach the course coordinator for any matter related to the course.

### **Grading System :**

The academic performance is graded on a ten-point scale. With the exception of Audit courses, the letter grade awarded for each course is converted into a semester wise and cumulative index called the SGPA & the CGPA respectively.

### **Scholarships :**

A number of scholarships are available to the students on merit or merit cum need basis. The scholarships span the U.G. P.G. and Ph.D programmes of the institute. Some of the prominent funding agencies for the assistantship 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, Boards of Higher Education of various states.

Many scholarships are sponsored by individuals. The details are given in annexure 11.11.

### **Training & Placement :**

Training is an important component of any technical programme. Students are facilitated in their endeavour to join training & summer internships where they learn the real world application of their education. Students have been offered summer internships in Germany, Canada, Singapore, South Korea, Finland, and in premier institutes of our country- the IITs, Iisc, IIMs etc. 9 students have been selected for WISE scholarship by



German Academic Exchange Programme.

110 companies including 7 PSUs visited the campus for recruitment. The number has almost doubled since 2005-2006, when it was 68.

The highest & the average pay package have also witnessed a steady rise, the highest pay package this year being 18.0 LPA and the average 5.41LPA.

Moreover, the highlight of the placements is that more than 50% students were offered core job profiles.

#### **Library :**

The Library underwent a massive renovation in the year 2011-12 and since then there has been a continuous augmentation in access to books journals, e-journals, e-granthalayas. The academic departments are periodically requested to furnish their requirements and these are then processed & procured with streamlined system.

#### **Hostels :**

There are twelve hostels for the students of our institute. A married student's hostel is available for Ph.D. research scholars. A total of 3111 students are residing in hostels. A team of Chief Warden, wardens and other staff manages the hostels. The details are given in chapter 4.5.

#### **Games & Sports :**

The department has been active in promoting sports activities and their effort can be seen in the increased participation of students on a regular basis as well as in tournament and events.

Our students have won several prizes at tournaments held in other institutes/ states.

The Advani Memorial Basketball (AIAMBT) tournament has been revived and is being organized with great enthusiasm since the last 3 years.

**Date:**

**Place: Jaipur**

**(I.K. Bhat)**

**Director**



# MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR

## ANNUAL REPORT

### YEAR 2013-14

## 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 eye for opportunities for growth in the international perspective.

### 1.2 Quality Policy

MNIT shall strive to impart knowledge in such a manner as to achieve total satisfaction of students, parents, employers, and the 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. The semester scheme is followed for both undergraduate and postgraduate courses.

The academic performance of a student is graded on a ten-point 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.

### 1.4 New Initiatives

The 8th Convocation of the Institute was held on July 10, 2013. The President of India, Shri Pranab Mukherjee graced the occasion as the Chief Guest. In September 2013, the year-long Golden Jubilee Celebrations of the Institute came to an end. Over 700 programs, including International & National Conferences, Symposia, Seminars, Workshops were organized during the year. An average of two programs per day were held during the Golden Jubilee year.

The ERP (Enterprise Resource Planning) implementation work was initiated during the year. This involves an integrated solution for Academics, Accounts, Human Resources, Administration, Guest Houses, and Establishment. This will provide on-line data availability & analysis & Information and Communication technology (ICT) to all staff and students.

All sections of the Institute were encouraged to inculcate best practices in their respective documents to improve efficiency. Two new centers:-



1. Centre for Disaster Mitigation & Management.
2. Centre for Tribology.

have been established. Two new floors have been added to the Electronics & Communication Engineering Department. The Institute Canteen has been renovated and is being run by the Akshaypatra Foundation. It has been named Annapurna. The Vivekananda Lecture Complex construction has progressed at a rapid pace and some rooms will be commissioned this year. As a commitment towards green buildings, Solar Panels have been put up on almost all institute buildings to generate electricity.

A cell has been established to address the issues of SC/ST/OBC/PWD students. The cell ensures that all facilities & policies benefitting these students reach them.

Decentralization of administration has been done by assigning coordinators for various activities.



## 2. AN OVERVIEW

### 2.1 Historical Background

Established in 1963 as a joint venture of the Government of India and the Government of Rajasthan, Malaviya Regional Engineering College, Jaipur started functioning with 30 students each in Electrical Engg. and Mechanical Engg. The college shifted to the present campus in Jaipur in 1965. Spread over 125 Hectares of lush greenery, the campus of MNIT enralls and inspires. All the states and union territories of the country are represented in the undergraduate intake of the Institute (50% from Rajasthan & the 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 30 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 parliament to award its own degrees.

There are fourteen departments and three 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 departments. The three centres are Centre for Energy and Environment, Centre of Excellence in Design and Materials Research Centre (MRC). There are nine undergraduate and 22

Postgraduate programmes. M.E. course in Non-ferrous-(Metallurgy) was started from the session 1971-72, M.E. course in Water Resource Engineering (Civil Engg.) was started from the year 1985-86, M.E. course in Power System (Electrical Engg.) was started with effect from the session 1987-88, M.E. in Environmental Engg. in Civil Engg. Dept. was started with effect from the session 1989-90 for sponsored candidates, nominated by the Ministry of Urban Development, Government of India, M.E. course in Electronics and Communication Engineering was started with effect from the session 1992-93. M.E. courses in Transportation Engineering (Civil Engg.), Manufacturing System Engineering (Mechanical Engg.) and Computer Aided Design in Structural Engineering were started from the session 1996-97. The nomenclature of M. Tech. course of Computer Aided Design in Structural Engineering has been changed to M. Tech. in Structural Engineering from the session 2006-2007. Three new M. Tech. courses i.e. VLSI Design in Electronics & Communication Engineering Department, Energy Engineering in Mechanical Engineering Department and Chemical Engineering in Chemical Engineering Department were also started from the session 2006-2007. Three M.Sc. courses i.e. Physics, Chemistry and Mathematics in the respective Departments were also started in 2006-07. A postgraduate course in Master of Management Studies which was started by CMSIC from the session 1996-97 has now been discontinued due to administrative reasons. A new MBA course has been started from the session 2006-2007. M.Tech. in Computer Engineering and M. Planning in Urban Planning have started from the session 2008-09.

The bedrock of any academic institution is the quality of its faculty and in this arena, MNIT is at the forefront. Our 184 odd full-time experienced faculty has 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. Majority of the faculty holds 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 Programme (TEQIP) phase II implemented by the National Project Implementation Unit (NPIU).

The performance of the institute in phase I 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 based in Jaipur which is a lively and vibrant city. Situated in Northern India at a distance of around 260 km south of Delhi, Jaipur would have been a part of the Thar Desert, but for the Aravalli Hills that provide it with much needed security from one side. Jaipur offers a multitude of interesting places and attractions such as lush parks and places for recreation. There are several magnificent Palace and forts such as the City Palace, Amber Fort and Nahargarh Fort. It is a city of fun, food and festivals. Vibrant colours, lively folk music and dance performances mark the celebrations of every religious occasion and every change of season. It is, indeed, the 'Pink City', a heady mix of tradition & modernity, vibrant with recreational, social as well as educational experiences for the students. It has all the facilities and entertainment a student needs; excellent shops, restaurants, clubs, sports facilities and a thriving cultural scene.

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 picturesque

surroundings. 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 and SBI Bank on the premises and a post-office in the campus. A full-fledged dispensary is supervised by a team of Medical Officers and two Compounders. The Institute has also been extending facility of a Part-time Homeopathic doctor and Ayurvedic doctor in 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; and (vi) one professor and one assistant professor or a lecturer of the institute to be nominated by the Senate.

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





## 2.5 Academic Programmes

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

### (a) Undergraduate Programmes (Bachelor of Technology)

Academic Programmes leading to B. Tech./B. Architecture Degree as noted below

S. No.	Discipline/Duration	No. of Seats
1.	Architecture (5 years)	62
2.	Civil Engg. (4 years)	92
3.	Chemical Engg. (4 years)	92
4.	Computer Engg. (4 years)	93
5.	Electrical Engg. (4 years)	93
6.	Electronics & Communication Engg. (4 years)	93
7.	Mechanical Engg. (4 years)	93
8.	Metallurgical Engg. (4 years)	92
	<b>Total</b>	<b>710</b>

### (b) Postgraduate Programmes (Master of Technology)

Academic Programmes leading to M. Tech./M.B.A./M.Sc. Degree as noted below

S. No.	Title of Course	Department Offering the Programmes
1.	M. Planning in Urban Planning	Architecture
2.	M.Tech. in Water Resource Engineering	Civil Engg.
3.	M. Tech. in Environmental Engineering	Civil Engg.
4.	M.Tech. in Transportation Engineering	Civil Engg.
5.	M.Tech. in Structural Engineering	Civil Engg.
6.	M. Tech. in Disaster Assessment and Mitigation	Civil Engg.
7.	M.Tech. in Chemical Engineering	Chemical Engg.
8.	M. Tech. in Computer Engineering	Computer Engg.
9.	M.Tech. in Renewable Energy	Centre for Env. & Energy
10.	M. Tech. in Power Systems	Electrical Engg.
11.	M. Tech. in Electronics and Comm. Engg.	Electronics & Comm. Engg.
12.	M. Tech. in VLSI Design	Electronics & Comm. Engg.
13.	M.Tech. in Industrial Engineering	Mechanical Engg.
14.	M. Tech. in Energy Engineering	Mechanical Engg.
15.	M.Tech. in Production Engg.	Mechanical Engg.
16.	M. Tech. in Design Engg.	Mechanical Engg.
17.	M. Tech. in Metallurgical & Materials Engg.	Metallurgical & Materials Engg.
18.	M. Tech. in Steel Technology	Metallurgical & Materials Engg.
19.	M. Sc. in Applied Physics	Physics Dept.
20.	M. Sc. in Applied Chemistry	Chemistry Dept.
21.	M. Sc. in Applied Mathematics	Mathematics Dept.
22.	Master of Business Administration (MBA)	Management Studies Dept.



## 2.6 Courses Offered

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

## 2.7 Admission Procedure

### (a) Undergraduate Programmes

The admissions are made through JEE conducted by the CBSE and online counselling conducted by CSAB on behalf of the Ministry of Human Resource Development, Govt. of India, New Delhi. The minimum academic qualification for admission through JEE is a pass in the final examination of 10+2 (Class XII) or its equivalent. Foreign students are admitted through DASA, ICCR and MEA.

### (b) Postgraduate Programmes

Admissions for M. Tech/M.Sc./MBA are done (i) for full time through score in GATE conducted by IIT and (ii) for sponsored candidates, whether full time or part time, through interview/test/GATE (depending on availability of seats). Admissions to full time and part time Ph.D. programmes are done through interview/tests conducted by individual departments.

## 2.8 Student Intake

### (a) Undergraduate Programmes

The allocation of 710 seats for students from Rajasthan & other than Rajasthan states are as follows :

Malaviya National Institute of Technology Jaipur											
	Degree	Branch	OP	OPPH	SC	SCPH	ST	STPH	OBC	OBCPH	Total
All India CAI	B.Arch.	Architecture	15	1	5	0	2	0	8	0	31
	B.Tech.	Civil Engg.	23	0	7	0	3	1	12	0	46
	B.Tech.	Chemical Engg.	23	0	6	1	4	0	12	0	46
	B.Tech.	Computer Science & Engg.	23	1	7	0	3	0	12	1	47
	B.Tech.	Electrical Engg.	22	1	7	0	4	0	13	0	47
	B.Tech.	Electronics & Communication Engg.	23	0	7	0	3	0	12	1	46
	B.Tech.	Mechanical Engg.	22	1	6	1	4	0	12	0	46
	B.Tech.	Metallurgical & Materials Engg.	22	1	7	0	3	0	13	0	46
		<b>TOTAL (A)</b>		<b>173</b>	<b>5</b>	<b>52</b>	<b>2</b>	<b>26</b>	<b>1</b>	<b>94</b>	<b>2</b>



Home State (HS)	B.Arch.	Architecture	15	0	4	0	2	1	9	0	31
	B.Tech.	Civil Engg.	22	1	7	0	3	0	12	1	46
	B.Tech.	Chemical Engg.	22	1	7	0	3	0	13	0	46
	B.Tech.	Computer Science & Engg.	22	1	7	0	4	0	12	0	46
	B.Tech.	Electrical Engg.	23	0	6	1	3	0	12	1	46
	B.Tech.	Electronics & Communication Engg.	23	1	7	0	4	0	12	0	47
	B.Tech.	Mechanical Engg.	23	0	7	0	3	1	13	1	47
	B.Tech.	Metallurgical & Materials Engg.	22	1	6	1	4	0	12	0	46
		<b>TOTAL (B)</b>		<b>172</b>	<b>5</b>	<b>51</b>	<b>2</b>	<b>26</b>	<b>1</b>	<b>95</b>	<b>3</b>
<b>GRAND TOTAL (A+B)</b>			<b>345</b>	<b>10</b>	<b>103</b>	<b>4</b>	<b>52</b>	<b>2</b>	<b>189</b>	<b>5</b>	<b>710</b>

The allocation of 19 seats for students from Foreign Nationals through Indian Council for Cultural Relations (ICCR) & Ministry of External Affairs in UG programmes for the session 2013-14

Branch	MEA (EduWel)	ICCR	Total
Architecture	-	2	2
Civil Engg. (4 years)	1	5	6
Chemical Engg. (4 years)	-	1	1
Computer Engg. (4 years)	-	-	-
Electrical Engg. (4 years)	-	4	4
Electronics & Communication Engg. (4 years)	1	1	2
Information Technology (4 years)	-	-	-
Mechanical Engg. (4 years)	1	3	4
Metallurgical Engg. (4 years)	-	-	-
<b>TOTAL</b>	<b>3</b>	<b>16</b>	<b>19</b>



The allocation of 121 seats for students from DASA Scheme in UG programmes in 2013-14

Branch/Duration	Approved Annual Intake
Architecture (5 years)	09
Civil Engg. (4 years)	14
Chemical Engg. (4 years)	07
Computer Science & Engg. (4 years)	20
Electrical Engg. (4 years)	14
Electronics & Communication Engg. (4 years)	24
Information Technology (4 years)	07*
Mechanical Engg. (4 years)	19
Metallurgical & Materials Engg. (4 years)	07
<b>TOTAL</b>	<b>121</b>

\* There will be zero session for 2013-14

**(b) Postgraduate Programmes**

The number of seats for each M. Tech. programmes (except Renewable Energy, Production Engg., Design Engg., Steel Technology).

General	ST	SC	OBC	Sponsored	Part Time	Intake
10	2	3	5	5	6	31

The number of seats for M. Tech. programme in Renewable Energy, Production Engg., Design Engg., Steel Technology.

General	ST	SC	OBC	Intake
10	2	3	5	20

The number of seats for each M. Sc. programme

General	SC	ST	OBC	Total
16	05	02	08	31

The number of seats for M.B.A. programme

General	SC	ST	OBC	Total
31	09	05	17	62

**RESERVATION IN B.TECH / M. TECH./M.Sc./MBA PROGRAMMES**

- (i) OBC 27% in every course
- (ii) Schedule Castes 15% in every course
- (iii) Schedule Tribes 7.5% in every course
- (iv) Physical Handicapped 3% in every course over & above the sanctioned strength



### Duration of M. Tech. Programmes

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

### Duration of M. Sc./MBA Programme

Normal duration	Maximum duration
Full Time: 4 Semesters	6 Semesters

## 2.9 Examination And Evaluation

### Credits System

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

### Structure of grading of academic performance

Academic Performance	Grades	Grade
Outstanding	AA	10
Excellent	AB	9
Very Good	BB	8
Good	BC	7
Average	CC	6
Below Average	CD	5
Marginal	D	4
Very poor	F	0
Incomplete	I	--
Withdrawal	W	--
Continued Project	X	--



## 2.10 Placement

The Placement Cell has been active in arranging training and placement for students. This year a total of 110 companies visited the Campus and selected 400 (357 B.tech , 6 B.Arch, 37 M.Tech.) students. Maximum and Average Packages offered by companies were Rs. 18.00 LPA, Rs. 16.90 and 6.99 LPA by Amazon and D. E. Shaw to 5 students of Computer Engineering.

## 2.11 Games and Sports

MNIT created history by winning 41 medals at BOSM tournament held in September 13, at Pilani. Athletic meet was successfully organised in January 2014.

## 2.12 Staff Position

The staff position is as follows

Sanctioned Faculty strength	306
Faculty in Position (Including Director)	184
Administrative Staff in position	09
Ministerial Staff in position	46
Technical staff in position	43
Supporting Staff	74

## Faculty awards

Faculty members of the Institute won several awards and many prestigious organizations recognized contribution of the faculty members in engineering and honored them. The details are given in chapter 11.8.

## Grants and R& D Projects

New Sponsored Research projects worth 2.88 crores and Consultancy and testing worth 2.23 crores has been carried out during the year. The details are provided in Annexure 11.3 Procurement of substantial equipment has taken place under TEQIP-II phase. A number of Training Courses have been organized for Faculty and Staff. Faculty and Staff have also been sent to institutes like IIMs, MDI Gurgaon, NITTR Chandigarh for various courses and skill updating trainings.



### 3.0 THE STAFF

#### 3.1 Academic staff (Teaching) (As on 31.03.2014)

Designation	Name	Qualification
Director	Prof.I.K. Bhat	Ph.D.

#### DEPARTMENT OF ARCHITECTURE

Designation		Name	Qualification
Professor	1	Shri Alok Ranjan	B.Arch., M.U.R.P.(Hons.)
	2	Shri Rajeev Shringi	B.Arch. , M. Plng. (UrbanPlanning)
Associate Professor	1	Ms. Rina Surana	B.Arch., M. Arch. ( Urban Design)
	2	Shri R.N. Sharma	B.Arch., M.U.P.,M. Plan
	3	Mrs. Kalpana Pandit	B.Arch., M.U.P., M. Plan
	4	Shri Tarush Chandra	B. Arch., P.G. Dip. Plng. (Urban & Regional Plan)
	5	Mrs. Meenu Varshney	B.Arch.
Assistant Professor	1	Dr. Satish Pipralia	B.Arch., MURP Ph. D.
	2	Shri Nand Kumar	B.Arch., M. Arch.
	3	Shri Nischal Jain	B. Arch., M.Des.
	4	Ms. Pooja Nigam	B.Arch., M. Plan
	5	Ms. Niruti Gupta	B.Arch., M. Plan
	6	Mr. Ashwani Kumar	B.Arch., M. Plan



## DEPARTMENT OF CHEMICAL ENGINEERING

Designation	Name		Qualification
Professor	1	Dr S.P. Chourasia	B.Tech., M.Tech., Ph.D.
	2	Dr. Alok Gupta	B.Tech., M.Tech., Ph.D.
Associate Professor	1	Dr. R.K. Vyas	B.E., M.E., Ph.D.
	2	Dr. Prabhat Pandit	B.Tech., M.Tech., Ph.D.
	3	Dr. S.K. Jana	B.Tech., M.Tech., Ph.D.
	4	Dr.(Mrs.) Suja George	B. Tech., M.Tech. Ph.D.
	5	Dr. Kailash Singh	B. E., M.Tech. Ph.D.
Assistant Professor	1	Dr. Manish Vashistha	B. E., M.Tech. Ph.D.
	2	Dr. Madhu Agarwal	B. Tech., M.Tech. Ph.D.
	3	Shri Sushant Upadhyay	B. Tech., M.Tech.
	4	Shri Rajeev Kumar Dohre	B. Tech., M.Tech.
	5	Shri Shiv Om Meena	M.Tech.
	6	Dr. U.K.Anun Kumar	B. E., M.E., Ph.D.
	7	Dr. Virendra Kumar Saharan	B. E., M.Tech. Ph.D.



## DEPARTMENT OF CIVIL ENGINEERING

Designation	Name		Qualification
Professor	1	Dr. A.B. Gupta	B.E., M.Tech., Ph.D.
	2	Dr. Y.P. Mathur	B.E., M.E., Ph.D.
	3	Dr. B.L. Swami	A.M.I.E., M.E., Ph.D.
	4	Dr. Rohit Goyal	B.E., M.E., Ph.D.
	5	Dr. Gunwant Sharma	B.E., M.Tech., Ph.D.
	6	Dr. A.K. Vyas	B.E., M.E., Ph.D.
	7	Dr. Sudhir Kumar	B.E., M.E., Ph.D.
	8	Dr. Ravindra Nagar	B.E., M.Tech., Ph. D.
	9	Dr. R.C. Gupta	B.E., M.E., Ph.D.
	10	Dr. M.K. Shrimali	B.E., M. Tech., Ph.D.
Associate Professor	1.	Dr. J.K. Jain	B.E., M.E., Ph. D.
	2	Dr. (Mrs.) Urmila Brighu	B.E., M.Tech., Ph.D.
	3	Dr. Sanjay Mathur	B.E., M.E., Ph.D.
	4	Dr. Mahendra Choudhary	B.E., M. E. , Ph.D.
	5	Dr. Ajay Singh Jethoo	B.E., M.E. Ph.D.
	6	Dr. Sandeep Choudhary	B.E., M.E. Ph.D.
	7	Dr. S.K. Tiwari	B.E., M.Tech., Ph.D.
	8	Dr. S.D. Bharti	B.E., M.Tech., Ph.D.
	9	Shri Rajesh Gupta	B.E., M.E, Ph.D.
	10	Dr. Mahesh Kumar Jat	B.E., M.E., Ph.D.
Assistant Professor	1	Dr. Nivedita Koul	B.E., M.E., Ph.D.
	2	Dr. Pawan Kalla	B.E., M.E., Ph.D.
	3	Dr. Arun Gaur	B.E., M.E., Ph.D.
	4	Dr. Sumit Khandelwal	B.E., M.E., Ph.D.
	5	Dr. Vinay Agarwal	B.E., M.E., Ph.D.
	6	Dr. Pandit Venkata Ramana	M. Tech., Ph.D.
	7	Dr. Sandeep Shrivastava	M. Tech., Ph.D.
	8	Dr. Putul Halder	M. Tech., Ph.D.
	9	Dr. Rajib Sarkar	B.E., M.Tech. Ph.D.



## DEPARTMENT OF COMPUTER ENGINEERING

Designation	Name	Qualification
Professor	1 Dr. M.C. Govil	B.E., M.E., Ph.D.
	2 Dr. M.S. Gaur	B.E., M.E., Ph.D.
Associate Professor	1 Dr. Girdhari Singh	B.E., M.S. (Software), Ph.D.
	2 Dr.(Mrs) Vijay Laxmi	B.E., M.Tech., Ph.D.
Assistant Professor	1 Dr. (Mrs.) Neeta Nain	M.C.A. Ph.D.
	2 Dr. (Mrs.) Namita Mittal	M.C.A. Ph.D.
	3 Dr. Dinesh Goplani	B.E., M.Tech., Ph.D.
	4 Dr. Mushtaq Ahmed	B.E, Ph.D.
	5 Ms. Meenakshi Tripathi	M.Tech
	6 Shri Yogesh Kumar Meena	M.Tech
	7 Shri Ramesh Babu Battula	M.Tech
	8 Shri A.K.Mazumdar	B.E, M.Tech.
	9 Shri Dinesh Kumar Tyagi	B.E, M.Tech.
	10 Dr. Emmanuel Shubhankar Pilli	B.E, M.Tech., Ph. D.
	11 Shri Santosh Kumar Vipparthi	B.E, M.Tech.



## DEPARTMENT OF ELECTRICAL ENGINEERING

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



## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Designation		Name	Qualification
Professor	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.
	4	Dr. D. Boolchandani	B.E., M.Tech. Ph.D.
Associate Professor	1	Shri Sanjeev Agarwal	B.E., M.Tech.
	2	Dr. Mohd. Salim	B.E., M.Tech., Ph.D.
	3	Shri Rakesh Bairathi	B.E., M.Tech.
	4	Shri Tarun Verma	B.E., M.E.
	5	Dr. Lava Bhargava	B.E., M.E. Ph.D.
	6	Dr. Vijay Janyani	B.E., M.E., Ph.D.
	7	Dr. Ghanshyam Singh	B.E. ,M.Tech., Ph.D.
Assistant Professor	1	Dr. Ritu Sharma	B.E. , M.Tech.,Ph.D.
	2	Shri Ashish Kumar Ghunawat	M.Tech.
	3	Dr. C.Periasamy	B.E. ,M.Tech., Ph.D.
	4	Shri Amit Mahesh Joshi	B.E. ,M.Tech.
	5	Dr. Mohd. Samar Ansari	B.E. ,M.Tech., Ph.D.
	6	Dr. Ravi Kumar Maddila	B.E. ,M.Tech., Ph.D.
	7	Dr. Satya Sai Jaganath Nanda	B.E. ,M.Tech., Ph.D.
On Deputation	1	Dr. M.M. Sharma (on deputation at Govt. Engg. College, Ajmer)	B.E., M.Tech., Ph.D.



## DEPARTMENT OF MECHANICAL ENGINEERING

Designation		Name	Qualification
Professor	1	Dr. Gopal Agarwal	B.E., M.E., Ph.D.
	2	Dr. S.L. Soni	B.E., M.Tech., Ph.D.
	3	Dr. A.P.S. Rathore	B.E., M.B.A., Ph.D.
	4	Dr. Rakesh Jain	BE., P.G.D.I.E. Ph.D.
	5	Dr. G. S. Dangayach	B.E., M.Tech., Ph.D.
	6	Dr. Jyotirmay Mathur	B.E., M. Tech., Ph.D.
	7	Dr. A.K. Bhardwaj	B.E., M.E., Ph.D.
	8	Dr. Dilip Sharma	B.E., M.E., Ph.D.
Associate Professor	1	Dr. G.D. Agarwal	B.E., M.Tech.Ph.D.
	2	Dr. M.L. Mittal	B.E., M.E. Ph.D.
	3	Shri N.S.Yadav	B.E.
	4	Shri Amit Panchariya	B.E., M.Tech.
	5	Dr. T.C. Gupta	A.M.I.E., M.Tech., Ph.D
	6	Dr. Nirupam Rohtagi	B.E., M.E, Ph.D.
	7	Dr. Himanshu Choudhary	M. Tech., Ph.D.
Assistant Professor	1	Shri Makhan Lal Meena	M.Tech.
	2	Shri Mukesh Kumar	B.Tech, M. Tech.
	3	Ms. Anoj Meena	B.E., M.Tech.
	4	Dr. Gunjan Soni	B.E., M.Tech.Ph.D.
	5	Dr. Harlal Singh Mali	B.E., M.Tech.Ph.D.
	6	Dr. Amit Singh	B.Tech, M.Tech.Ph.D.
	7	Dr. Dinesh Kumar	M.Tech.Ph.D.
	8	Dr. Amar Patnaik	B.E., M.Tech.Ph.D.
		Dr. M.P. Poonia (on deputation at NITTTR, Chandigarh)	B.E., M.E., Ph.D.



## DEPARTMENT OF METALLURGICAL ENGINEERING

Designation	Name	Qualification
Professor	1 Dr. Ashok Sharma	B.Sc., B.E., M.E., Ph.D.
	2 Dr. P.R. Soni	M.Sc., M.E., Ph.D.
	3 Dr. C.P. Sharma	B.E., M.E., Ph.D.
	4 Dr. A.K. Bhargava	B.E., M.E., Ph.D.
	5 Dr. Upendra Pandel	B.E., M.E., Ph.D.
Associate Professor	1 Dr. (Mrs.) Munan Mandira	M.Sc., M.E., Ph.D.
	2 Dr. N. C. Upadhyay	B.Tech. , M.E., Ph.D.
	3 Dr. Y.V.S.S. Prasad	B.E., M.Tech., Ph.D.
	4 Dr. V.K. Sharma	B.E., M.E., Ph.D.
	5 Dr. S.K. Gupta	B.E., M.E., Ph.D.
Assistant Professor	1 Dr. Rajendra Kumar Duchaniya	M.E., Ph.D.
	2 Dr. Vinod Kumar	B.Tech, M.Tech.Ph.D.
	3 Shri Krishna Kumar	B.Tech, M.Tech



## DEPARTMENT OF CHEMISTRY

Designation	Name		Qualification
Professor	1	Dr. K.D.Gupta	M.Sc. (USA), Ph. D.
Associate Professor	1	Dr. (Mrs.) Jyoti Joshi	M.Sc., Ph. D.
	2	Dr. (Ms.) 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	B.Sc.,M.Sc., Ph. D.
	4	Dr. Sumanta Kumar Meher	M. Phil, Ph. D
	5	Dr. Sumit Kumar Sonkar	M. Sc., Ph. D

## DEPARTMENT OF HUMANITIES

Designation	Name		Qualification
Associate Professor	1	Dr. V.S. Shekhawat	M.A., M.Phil., Ph. D.
	2	Dr.(Mrs.) Nupur Tandon	M.A., Ph. D.
	3	Mrs. Nanny Tripathi	M.A., M.Phil.
Assistant Professor	1	Dr. (Mrs.) Dipti Sharma	M.A., Ph.D.
	2	Dr. (Mrs.) Preeti Bhatt	M.A., M.Phil., Ph.D.



## DEPARTMENT OF MATHEMATICS

Designation	Name		Qualification
Professor	1	Dr. K.C. Jain	M.Sc., Ph.D.
	2	Dr. (Mrs.) Rashmi Jain	M.Sc., Ph.D.
	3	Dr. (Mrs.) Kantesh Gupta	M.Sc., M.Phil, Ph.D.
Associate Professor	1	Dr. (Mrs.) Nilama Gupta	M.Sc., Ph.D.
	2	Dr. (Mrs.) Vatsala Mathur	M.Sc., Ph.D.
	3	Dr. R.C. Soni	M.Sc., M.Phil, Ph.D.
Assistant Professor	1	Dr. Sanjay Bhattar	M.Sc., Ph.D.
	2	Dr. (Mrs.) Santosh Choudhary	M.Sc., M.Phil, B.Ed., Ph.D.
	3	Dr. Ritu Agarwal	B.Sc., M.Sc., Ph.D.

## DEPARTMENT OF PHYSICS

Designation	Name		Qualification
Professor	1	Dr. S.K. Sharma	M.Sc., Ph.D.
	2	Dr. K.C. Swami	M.Sc., Ph.D.
Associate Professor	1	Dr. (Mrs.) K. Sachdev	M.Sc., Ph.D.
Assistant Professor	1	Dr. K.Venkatratanam Kamma	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. Sujjin B.Babu	B.Sc., M.Sc., Ph.D.
	5	Dr. Subhayan Mandal	B.Sc., M.Sc., Ph.D.



### SPORTS SECTION

Designation	Name	Qualification
Sports Officer	Dr. Subir Debnath	Ph.D.

### DEPARTMENT OF MANAGEMENT STUDIES

Designation	Name	Qualification	
Professor	--	--	
Associate Professor	--	--	
Assistant Professor	1	Dr. Monika Sharma	BE, MBA, Ph.D.
	2	Dr. Satish Kumar	B.Com., MBA, Ph.D.
	3	Dr. Deepak Verma	MBA, Ph.D.

### PROFESSOR OF TRAINING AND PLACEMENT

Designation	Name	Qualification
Professor	Dr. S.L.Soni	B.E., M.Tech., Ph.D.

### STEEL CHAIR PROFESSOR

Designation	Name	Qualification
Steel Chair Professor	Prof. M.K.Banerjee	Ph.D.

### RESEARCH PROFESSOR

Designation	Name	Qualification
Research Professor	Prof. Sampad Biswas	Ph.D.

### EMERITUS SCIENTIST

Designation	Name	Qualification
Emeritus Scientist	Prof. Vishwanath Sinha	Ph.D.



### 3.2 Non-Academic Staff ( Non- Teaching as on 31.03.2014) ADMINISTRATIVE & OTHER STAFF

(a) Chief Academic & Executive Officer

S.No.	Designation	Name	Qualification
1	Director	Prof. I.K. Bhat	Ph.D.

(b) Administrative Staff

S.No.	Designation	Name	Qualification
1.	Registrar	Shri Manish Jindal	
2	Dy. Registrar	Shri Diler Singh (On deputation)	B.A., LLB
3	Assistant Registrar	1 Shri Bhurendra Singh	B.A., L.L.B.
		2 Dr. (Mrs.) Suman Rathore	M.A., Ph.D.
		3 Shri Jayant Sharma (on deputation)	M.Com.
		4 Shri Tara Chand (on deputation)	B.Com.
		5 Shri Birbal Singh	M.Com, L.L.B.
4	Executive Engineer	Shri Jitendra Dixit (On deputation)	-
5	Assistant Executive Engineer	1 Shri C.M.Saini	AMIE
		2 Shri Pankaj Munjal (On deputation)	
		3 Shri Pawan Kulshrestha (On deputation)	
6	Librarian	-	-
7	Deputy Librarian	-	-
8	Assistant Librarian	Shri Deep Singh	M.A., (Pub. Adm.) & M.L.I.Sc.



9	Senior Medical Officer	-	-
10	Medical Officer	-	-
11	Senior SAS Officer	-	-
12	SAS Officer	Dr. Virendra Singh	Ph.D.
13	Principal Scientific /Technical Officer	-	-
14	Senior Scientific /Technical Officer	--	--
15	Scientific /Technical Officer	Shri Sanjay Rajpal	M.C.A.

### 3.3 STATEMENT SHOWING THE STAFF POSITION

#### (a) Academic Staff

S. No.	Designation	Sanctioned Strength	In position (On 31.3.2014)
1	Director	1	1
2	Professor	44	43
3	Associate Professor/Reader	87	60
4	Assistant Professor	175	80

S. No.	Name of Cadre	Total sanctioned posts	Officers/ officials structured in the cadre
<b>A.</b>	<b>Officers (10 percent of faculty strength)</b>	<b>31</b>	<b>09</b>
1.	Registrar	1	1
2.	Deputy Registrar	3	--
3.	Assistant Registrar	8	3
4.	Executive Engineer	1	--
5.	Assistant Executive Engineer	2	1
6.	Librarian	1	--
7.	Deputy Librarian	1	--
8.	Assistant Librarian	2	1
9.	Senior Medical Officer	1	--
10.	Medical Officer	2	--
11.	Senior Student Activity and Sports (SAS) Officer	1	--



12.	Student Activity and Sports (SAS) Officer	2	1
13.	Principal Scientific/ Technical Officer	1	--
14.	Senior Scientific/ Technical Officer	1	1
15.	Scientific/ Technical Officer	3	1
16.	Security Officer	1	0
<b>B.</b>	<b>Technical Higher</b> (30 percent of faculty strength)	<b>92</b>	<b>13</b>
1.	PB-2 with grade pay of Rs 4200/-	41	03
2.	PB-2 with grade pay of Rs 4600/-	31	04
3.	PB-2 with grade pay of Rs 4800/-	20	06
<b>C.</b>	<b>Technical Lower</b> (30 percent of faculty strength)	<b>92</b>	<b>30</b>
1.	PB-1 with grade pay of Rs 2000/-	41	04
2.	PB-1 with grade pay of Rs 2400/-	31	10
3.	PB-1 with grade pay of Rs 2800/-	20	00
4.	PB-2 with grade pay of Rs 4200/-	00	16
<b>D.</b>	<b>Ministerial Higher</b> (08 percent of faculty strength)	<b>19</b>	<b>04</b>
1.	PB-2 with grade pay of Rs 4200/-	07	00
2.	PB-2 with grade pay of Rs 4600/-	06	00
3.	PB-2 with grade pay of Rs 4800/-	06	04
<b>E.</b>	<b>Ministerial Lower</b> (17 percent of faculty strength)	<b>58</b>	<b>42</b>
1.	PB-1 with grade pay of Rs 2000/-	30	07
2.	PB-1 with grade pay of Rs 2400/-	16	08
3.	PB-1 with grade pay of Rs 2800/-	08	00
4.	PB-2 with grade pay of Rs 4200/-	04	27
<b>F.</b>	<b>Supporting Staff</b> (15 percent of faculty strength)	<b>45</b>	<b>74</b>
1.	PB-1 with grade pay of Rs 1800/-	20	09
2.	PB-1 with grade pay of Rs 1900/-	15	16
3.	PB-1 with grade pay of Rs 2000/-	10	25
4.	PB-1 with grade pay of Rs 2400/-	00	24
	<b>GRANT TOTAL</b> (110 percent of faculty strength)	<b>337</b>	<b>172</b>

### 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 Administrative Block	-do-
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 PROGRAMME

### 4.1 Courses Offered

The Institute offers courses of study leading to Bachelor of Technology Degree in Civil, Mechanical, Electrical, Electronics & Communication, Information Technology\*(zero session), Metallurgical & Materials, Chemical, Computer Engineering and B. Architecture in Architecture Dept. Full Time/Part Time Master of Technology Degrees in Water Resources Engineering (Civil Engg. Dept.), Environmental Engineering (Civil Engg. Dept.), Power System (Electrical Engg. Dept.), Metallurgical & Materials Engg. (Metallurgical & Materials Engg. Dept.), Electronics & Communication Engg. (Electronics & Comm. Engg. Dept.), Transportation Engg. (Civil Engg. Dept.), Manufacturing System Engg. (Mech. Engg. Dept.), Structural Engg. (Structural Engg. Dept.), Chemical Engg. (Chemical Engg. Dept.), Energy Engg. (Mechanical Engg. Dept.), VLSI Design (Electronics & Comm. Engg. Dept.), Computer Engg. (Computer Engg. Dept.), Disaster Assessment and Mitigation (Civil Engg. Dept.), M. Planning [Urban Planning] (Architecture & Planning Dept.), M. Sc. in Physics Dept., M. Sc. in Chemistry Dept., M. Sc. in Mathematics Dept. are also offered. A full time M.B.A. is also offered.

The medium of instructions and examinations is English.

### 4.2 Course-Wise Enrolment

**Course-Wise Enrolment of undergraduate B.Tech./B.Arch. Programme through CSAB, DASA, ICCR and MEA during the session 2013-14**

Branch/Duration	Total registered students					Total
	I Year	II year	III Year	Final Year	Final Year Arch.	
Architecture & Planning (5 years)	57	66	65	62	48	298
Civil Engg. (4 years)	91	101	103	92	00	387
Chemical Engg. (4 years)	87	93	97	92	00	369
Computer Science & Engg. (4 years)	107	110	99	92	00	406
Electrical Engg. (4 years)	91	96	94	90	00	371
Electronics & Communication Engg. (4 years)	98	102	98	92	00	389
Information Technology (4 years)	00	00	81	90	00	171
Mechanical Engg. (4 years)	110	109	112	91	00	417
Metallurgical & Materials Engg. (4 years)	82	92	87	75	00	336
<b>TOTAL</b>	<b>723</b>	<b>769</b>	<b>836</b>	<b>776</b>	<b>48</b>	<b>3144</b>



### 4.3 Course wise Admission Statistics-UG/PG Programmes

(a) Students admitted to Undergraduate B. Tech./B.Arch. programmes through CSAB during the session 2013-14.

S. No.	Branch	SC	ST	OBC	GC	Total
1.	Architecture & Planning	6	4	19	25	<b>54</b>
2.	Chemical Engg.	13	7	21	41	<b>82</b>
3.	Civil Engg.	14	7	28	37	<b>86</b>
4.	Computer Science & Engg.	14	6	26	44	<b>90</b>
5.	Electronics & Communication Engg.	14	7	26	40	<b>87</b>
6.	Electrical Engg.	15	7	30	38	<b>90</b>
7.	Information Technology *	00	0	0	00	00
8.	Mechanical Engg.	14	7	28	40	<b>89</b>
9.	Metallurgical & Materials Engg.	11	8	23	40	<b>82</b>
		<b>101</b>	<b>53</b>	<b>201</b>	<b>305</b>	<b>660</b>

\* There will be zero session for 2013-14

(b) Students admitted to Postgraduate Programmes during the session 2013-14 in M.Tech./M.Plan./M.Sc./M.B.A. programmes

S. No.	Programmes	General	ST	SC	OBC	Sponsored	Part Time	Intake
1.	Chemical Engineering	6	0	3	5	2	-	16
2.	Environmental Engg.	6	1	2	4	2	1	16
3.	Water Resources Engg.	4	0	2	5	-	-	11
4.	Structural Engg.	8	0	1	3	3	2	17
5.	Power Systems	7	1	1	7	0	-	16
6.	Transportation Engg.	6	1	2	3	-	3	15
7.	Industrial Engg.	12	2	2	4	0	4	24
8.	Metallurgical & Materials Engg.	11	0	3	7	0	0	21
9.	Electronics & Comm. Engg.	8	0	3	5	7	3	26
10.	VLSI Design	9	0	3	4	4	2	22
11.	Energy Engineering	10	2	3	5	1	2	23



12.	Computer Engineering	7	2	2	4	8	2	25
13.	Disaster Assessment and Mitigation	8	1	1	2	-	-	12
14.	Renewable Energy	6	1	2	9	1	-	19
15.	Production Engg.	7	1	2	3	-	-	13
16.	Design Engg.	7	1	0	5	-	-	13
17.	Steel Technology	1	0	2	3	-	-	6
18.	Urban Planning	11	0	1	1	0	-	13
		<b>134</b>	<b>13</b>	<b>35</b>	<b>79</b>	<b>28</b>	<b>19</b>	<b>308</b>
<b>M. Sc.</b>								
19.	M. Sc. Physics	14	0	3	7	-	-	24
20.	M. Sc. Chemistry	17	1	5	6	-	-	29
21.	M. Sc. Mathematics	7	0	2	6	-	-	15
		<b>38</b>	<b>1</b>	<b>10</b>	<b>19</b>	-	-	<b>68</b>
<b>M.B.A</b>								
22.	M.B.A.	27	0	3	6	-	-	36
	<b>Grand Total</b>	<b>M. Tech/M. Plan/M. Sc./MBA</b>						<b>412</b>

#### Ph.D. Programmes 2013-14

S. No.	Department	Students admitted	
		Full Time	Part Time
1.	Centre for Energy & Env.	4	1
2.	Chemical Engineering	10	0
3.	Chemistry	7	1
4.	Civil Engg.	13	8
5.	Computer Engineering	15	4
6.	Electrical Engg.	5	0
7.	Electronics & Comm. Engg.	10	9
8.	Management Studies	4	2
9.	Humanities & Social Sc.	3	0
10.	Mathematics	3	1
11.	Mechanical Engg.	13	3
12.	Metallurgical & Materials Engg.	5	1
13.	Physics	8	1
	<b>Grand Total</b>	<b>100</b>	<b>31</b>



#### 4.4 Students Total Strength (Under-Graduate)

Branch/Duration	Total registered students					
	I Year	II year	III Year	Final Year	Final Year Arch.	Total
Architecture & Planning (5 years)	57	66	65	62	48	<b>298</b>
Civil Engg. (4 years)	91	101	103	92	00	<b>387</b>
Chemical Engg. (4 years)	87	93	97	92	00	<b>369</b>
Computer Science & Engg. (4 years)	107	110	99	92	00	<b>406</b>
Electrical Engg. (4 years)	91	96	94	90	00	<b>371</b>
Electronics & Communication Engg. (4 years)	98	102	98	92	00	<b>389</b>
Information Technology (4 years)	00	00	81	90	00	<b>171</b>
Mechanical Engg. (4 years)	110	109	112	91	00	<b>417</b>
Metallurgical & Materials Engg. (4 years)	82	92	87	75	00	<b>336</b>
<b>TOTAL</b>	<b>723</b>	<b>769</b>	<b>836</b>	<b>776</b>	<b>48</b>	<b>3144</b>

#### 4.5 Hostels

There are twelve hostels for the students of our Institute. The details of rooms are as follows:

Hostel No.	Single Seated Rooms	Double Seated Rooms	Triple Seated Rooms	Total Capacity
Boy's Hostels				
Hostel - 1	72		36	180
Hostel - 2	72		36	180
Hostel - 3	72		36	180
Hostel - 4	72	36		144
Hostel - 5	182			182
Hostel - 6	72		36	180
Hostel - 7			75	225
Hostel - 8	212			212
Aurobindo Hostel	986			986
Girl's Hostel				
Girls Hostel A Block	48		14	90
Girls Hostel B Block		68		136
Gargi Hostel	400			400
P.G. Hostel	16			16
<b>GRAND TOTAL</b>	<b>2204</b>	<b>104</b>	<b>233</b>	<b>3111</b>



### Administrative set up for Hostels

Chief Warden	1
Warden	17
Mess Assistants	5
Caretakers	2

We have twelve hostels for the students of our Institute, Nine for boys three for girl students. The total capacity of hostels for male candidates is around 2500 and that for female candidates is around 650. Apart from accommodation for regular students, we have 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 round the clock. All the hostel premises have large open areas with good landscaping and playgrounds.

#### Hostel Management

Each hostel is taken care of by hostel caretakers, and wardens. The council of warden is headed by Chief Warden. Council of wardens and mess committees meet regularly to discuss various issues related to hostels and mess.

#### Dining Facilities

Presently we have mess facility in all hostels except Hostel no. 3, 4 and 5. The residents of these hostels are dining in messes attached with other hostels. The Mess in Aurobindo Hostel and Gargi Hostel (also catering to residents of Girls Hostel A and B Block) are being operated by private service provider. All messes have been renovated and have modern facilities to facilitate proper hygiene.

Mess Committee consisting of Mess Secretary and Student representatives Mess Members manage the mess. Entire salary of the mess servants is borne by the students themselves through MNIT Students Mess account. Mess committees supervise the daily menu, quality of food, cleanliness in the mess, etc.

#### Laundry Facilities

Modern laundry facilities have been installed in Aurobindo Hostel and Gargi Hostel for residents of Boys and Girls Hostel. Students are using these facilities through prepaid smart cards.

#### Solar Geysers

All hostels are equipped with solar geysers for hot water, which results in huge saving of energy.

#### Solar Steam Cooking System

Recently we have installed Solar Steam Cooking System in Gargi Hostel. The consumption of LPG shall reduce significantly with the use of Solar Steam Cooking System at full efficiency. This will also result in better nutritional values of cooked food.

#### Other Facilities

There is one Common Room for each hostel, having the facility of a colour television, and one Table Tennis table.

#### 4.6 Scholarships/Assistantship

Please see the details in Annexure 11.11

#### 4.7 Games and Sports

An important characteristic of the Physical education and Sport is its ability to draw upon a range of sciences to inform and advance in the field of sport performance, exercise education, health and well-being through participation in various physical activities. Physical education and Sport will continue to pursue health and wellbeing mission for each student, 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 quality like personality, positive leadership, motivation, commitment, men managing, cardio respiratory development, general motor ability, quick decision making ability, body sculpture, stress free life, Fitness & current global significance of Olympic sports. Sports have given 04-credit in the B.Tech. (I - IVth semester) course curriculum (Creative Arts & Sports) which is a unique example in NIT system of India.

#### 4.8 Achievements In Games & Sports

Participation of students in tournaments and results: The BOSM'13 sports tournament took place from 18th to 22nd Sept. 2013 in BITS, Pilani, Rajasthan. MNIT contingent with 80 students (39-Women and 41-Men) along with Dr. Subir Debnath, Sports Officer and Mr. Rajeev Goswami (Deptt. of



Chemical Engineering) as Coach and Manager respectively went to participate in the tournament. MNIT created history in the medal tally of achieving 41 medals (09-Gold, 19-Silver & 13-Bronze) and also stood second in overall position in the BOSM'13 meet. The detailed result is enclosed herewith. The athletics team performed extraordinarily by winning 33-medals, 03-medals in powerlifting and Taekwondo respectively and 01- medal each in Volleyball and Tennis..

- I. MNIT contingent participated in Sportech'14 organised by IIT Delhi, MNIT won 06 medals in Athletics and Badminton Runners' Up Trophy.
- II. MNIT contingent participated in Sports fest at BITS Pilani Goa. MNIT won 01 medals in Table Tennis (Women) Runners' Up Trophy.

### 1. Activities organized by the institute.

#### I. ATHLETIC MEET 2014

The Athletic meet took place on 18th - 19th January 2014. It was an event of great buzz in which over 500 students participated. The opening ceremony of the meet started off with a great zeal with the Chief Guest being Shri Rakesh Verma (Alumni, Additional Chief Secretary, Govt. of Rajasthan). Mr Rahul Puhan & Ms. Garima Charan, Athletics Captain (women) then started the torch relay commemorating the theft of fire from the Greek God Zeus by Prometheus. Events included races ranging

from 100-3000 metres, Discus Throw, Javelin Throw, Shot Put etc. The second day of the meet started off with finals of a few events and then there were events for the faculty, staff and their children. A fun event of tug of war took place between the faculty and students.

The Closing Ceremony of the meet was enlightened by the presence of the Chief Guest of honour Mr. Magan Singh Rajvi (Arjun Awardee), captain of Indian Football team, along with Prof. M.K. Shrimali (Dean SW) gave away prizes to the winners of the meet and also interbranch competitions. The overall championship trophy was bagged by the Civil Department. Mr. Alok Saini was adjudged the best athlete in the men's category and Ms. Aditi Rai in the women's category. Mr. Golu Kumar received the award for the promising player 2013-14 in the men's category and Ms. Kanika Gupta received the same in the women's category. The meet was finally addressed & declared closed by Mr. Magan Singh Rajvi and lastly the Athletics Captain (Men), Mr Rahul Puhan gave the vote of thanks.

#### II. Organization (Institutional Level)

In this session Inter-Branch Sports tournaments were organized successfully in Badminton, Basketball, Cricket, Football, Power Lifting, Tennis, Table Tennis and Volleyball for Men and women category. Improvised sports Tournaments such as: Hongkong Cricket, 2+2 Volleyball and 2+2 Basketball were organized.

## 4.9 EXAMINATION DETAILS

(a) Results of Undergraduate Courses of final B.Tech./B. Arch. courses 2013-14

Disciplines	No. of students appeared	No. of students passed with CGPA on a 10-point scale			Registered in next semester	Total
		Above 7.75 CGPA	7.74 to 6.75 CGPA	6.74 to 5.0 CGPA		
Final B. Architecture & Planning (5-year course)	65	09	20	33	02	65
Final B. Tech. Civil Engg.	100	32	30	33	05	100
Final B. Tech. Chemical Engg.	96	24	33	23	16	96
Final B. Tech. Computer Science & Engg.	110	25	35	40	10	110
Final B. Tech. (Information Technology)	95	22	27	35	21	95
Final B. Tech. Electrical Engg.	95	35	34	22	04	95
Final B. Tech. Electronics & Communication Engg.	95	35	28	25	07	95
Final B. Tech. Mechanical Engg.	116	24	35	45	12	116
Final B. Tech. and Materials Engg.	81	31	23	21	06	81



(b) Results of Postgraduate Courses of final year M. Tech. / M.Sc. / MBA 2013-14

Disciplines	N o. of students appeared	No. of students passed with CGPA on a 10-point scale			Registered in next semester	Total
		Above 7.75 CGPA	7.74 to 6.75 CGPA	6.74 to 5.0 CGPA		
M. Tech. in Environmental Engg.	17	5	8	0	4	17
M. Tech. in Water Resources Engg.	5	1	4	0	0	5
M. Tech. in Transportati on Engg.	15	7	4	2	2	15
M. Tech. in Power Systems	13	8	4	1	0	13
M. Tech. in Electronics & Comm. Engg.	32	18	2	12	0	32
M. Tech. in Manufacturing System Engg.	26	11	6	9	0	26
M. Tech. in Met. & Mat. Engg.	17	11	6	0	0	17
M. Tech. in Structural Engg.	13	4	4	1	4	13
M. Tech. in Chemical Engg.	17	5	6	4	2	17
M. Tech. in VLSI Design	29	18	6	3	2	29
M. Tech. in Energy Engg.	27	9	9	5	4	27
M. Planning in Urban Planning	11	5	5	0	1	11
M. Tech. in Computer Engg.	24	10	8	6	0	24
M.Sc. in Chemistry	22	13	4	5	0	22
M. Sc. in Physics	23	15	8	0	0	23
MBA	28	7	8	5	8	28

#### 4.10 Training and Placement

Details are given in Annexure 11.12



## 5 RESEARCH AND DEVELOPMENT ACTIVITIES

The functioning of the Office of Dean, Research & Consultancy (ODRC) has been revamped, and new rules for “Industrial Consultancy and Sponsored Research” have been framed and notified to be effective from 7th May 2012. ODRC is the nodal Office for all the research/consultancy projects in the Institute; the ODRC maintains all the financial

records to the projects. The approved project bears the project Identification Number. Under the New Rules the Institute encourages Academic Staff to undertake Sponsored Research projects in the niche area, the new rules/guidelines have been framed to create conducive environment for the same.

### 5.1 Ph.D. Programmes

The Institute offers a full time/part time advanced programme leading to the Ph.D. degree in the areas of Engineering/Technology/Sciences/Humanities & Social Sciences, Management. Admission to these programmes is open to individuals from all disciplines, twice a year, for the Autumn (July) and Spring (January) semesters. The admission process is based on the past academic record, a research

proposal, references and a 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 scholarship and assistance to full-time Ph.D. students.

Minimum Qualifications	Normal duration	Maximum duration
B.Tech./M.Sc./MBA	Full Time: 6 Semesters	10 Semesters
M.Tech.	Part Time: 4 Semesters	10 Semesters

### 5.2 Details of Ph.D. awarded from 1st April 2013 to 31st March 2014

Branch	Total degrees
Civil Engg.	10
Computer Science and Engineering	6
Electrical Engg.	8
Mechanical Engg.	5
Metallurgical & Materials Engg.	2
Management	4
Chemistry	2
Mathematics	1
<b>TOTAL</b>	<b>38</b>



### 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 Centre for Energy and Environment

The list of equipment available in the Centre is as follows

c) Equipments in the Centre (as on 31/03/2014)

S. No.	Particulars/Nomenclature of equipment procured under the grant	Actual cost of Equipment (in Rs.)	Date of Acquisition of Equipment	Remark
1.	Ultrasonic flow meter	963000.00	25/06/2013	
2.	ANSYS CFD Software	602117.00	20/10/2013	
3.	Energy Data Logger with software	705175.00	20/12/2013	
4.	Thermal Constant Analyzer	1430396.00	20/02/2014	
5.	Grid Interactive 5kW p	900000.00	25/03/2014	
6.	BTU meter	968760.00	26/03/2014	Project CBERD
7.	Current Transformer	141278.00	05/09/2013	
8.	Water Quality Measurement	343652.00	05/09/2013	
9.	Software PVsyst	329184.00	05/09/2013	
10.	Datalogger Unit	92225.00	06/09/2013	
11.	Software Answer Times	231134.00	09/09/2013	
12.	Software VEDA BE	96306.00	09/09/2013	
13.	Software WIN-CL-A	82531.00	09/09/2013	
14.	Software WIN-GS-A	82530.00	09/09/2013	
15.	Solar Module Analyzer and Battery Capacity tester	330750.00	20/12/2013	
16.	DC Cooling Unit	102375.00	12/02/2014	
17.	Mini Data Logger	26847.00	28/03/2014	
18.	16 Channel differential universal data logger and 08 Channel differential universal data logger	237650.00	22/04/2013	RRECL
19.	3 State/ 1 Event Data Logger, Wireless Temperature-RH data Logger	677160.00	09/12/2013	
20.	Insight Solar Thermal Training Kit	257000.00	20/05/2013	MNRE
21.	IBM standard statistic tool authorized user license	324693.00	14/06/2013	



(F) Equipment for next phase

S. No.	Name	Qty.	Item Cost (Approx) INR
1	1 kW Mobile Solar Power Generating System	01 Nos.	264000.00
2	Radiant Cooling System	01 Nos.	1150000.00
3	CO <sub>2</sub> Analyzer	01 Nos.	477450.00
4	Power Quality Analyzer	01 Nos.	422000.00
5	Software for Ultrasonic Hand Held Flow Meter		46000.00
6	Single-Ended Multiplexer Module for 34970A, 40 Channel	01 Nos	42000.00
7	Design Builder Software		170000.00
8	Wind Analysis and Application Program ( WASP)	1 site license - 2 users	400000.00
9	RHSensor	15 Nos	154000.00
10	Weather Station	01 Nos	250000.00
11	Solar Inverter (3 Phase, 3.7 kW)	01 Nos	63000.00
12	Psychrometric Test and Research Facility for Air cooled / Liquid cooled type chillers & air conditioners (Heating and Cooling) up to 10TR and fans upto 5000cfm at MNIT [aipur		15000000.00
13	Experimental Thermal Energy Storage System		650000.00
14	Life cycle assessment (LCA) software-Advanced		750000.00
15	Building Energy Simulation		200000.00
16	Heat flux sensor		300000.00
17	Battery Analyser		1500000.00

- Centre for Energy and Environment in association with Mechanical Department organized an invited talk by Mr. Tom Watson, ASHRAE President on 4th March 2013 in New Senate Hall, Design Centre at 3.00PM onwards on 'Current research needs in HVAC'.
- Dr. Jyotirmay Mathur presented an invited talk on 'Building Integrated Solar Energy Systems: Towards Net Zero Energy Buildings' at the Conference Solar Rajasthan - Tapping the Untapped organized by ASSOCHAM on March 15, 2013.
- Mr. Lalit Joshi, Sr. Project Engineer at CEE, presented invited talk on 'Building Integrated Solar Energy Technologies & Future Possibilities' at the Conference on 'Renewable Energy in Rajasthan – Unleashing the Potential', on April 25, 2013.
- One day training program on Energy Conservation Building Code was organized on May 25, 2013 by the Centre for Energy and Environment, at the Centre for Excellence in Design, MNIT. The program was organized in partnership with ISHRAE and with support from RRECL.



- A Two Day 'Train The Trainer' Program for 'Energy Conservation Building Code' was conducted by the Centre for Energy and Environment, MNIT Jaipur on June 11-12, 2013, under the Capacity Building Scheme for ECBC Implementation, launched by Bureau of Energy Efficiency, Govt of India, and UNDP-GEF project. This program was first of its kind in the country in which successful candidates are declared 'ECBC Certified Trainers' jointly by MNIT and BEE. These certified trainers would now be conducting ECBC Compliance Training programs throughout the country through funding from BEE and mentoring from MNIT. Participation in the program was through invitation from BEE. The program was attended by building energy efficiency related professional such as Architects, HVAC and lighting consultants, government officials from Delhi, Uttar Pradesh, Uttarakhand, Madhya Pradesh, and Rajasthan. Dr. Jyotirmay Mathur was coordinator of the program.

## 5.5 Institute- Industry Collaboration

### 1. Faculty Development Programme

S.No.	Activity	Dates
1	Faculty Development Programme	9-20 Sept., 2013

### 2. Entrepreneurship Awareness camp

S. No.	Activity	Activity
1	Entrepreneurship Awareness Camp	15-17 Apr. 2013
2	Entrepreneurship Awareness Camp	18-20Apr. 2013
3	Entrepreneurship Awareness Camp	22-24 Apr. 2013
4	Entrepreneurship Awareness Camp	20-22 June 2013
5	Entrepreneurship Awareness Camps at two locations conducted parallel.	10-12 Mar. 2014

### 3. Interaction Programme

S.No.	Activity	Activity
1	MR. Avinash Ladda - Joint Director at industrial department, Govt. of Rajasthan	04.10.2011
2	E-talk with Mr. Rajat Agarwal, Co-founder, Gravita International Ltd.:	18.11.2011
3	Elevator pitch for members	15 January 2014
4	Invited talks by Mr. Priyank Sanghvi and Mr. Amit Ranjan	12th of March 2014



**4. One Day Spontania Event was organized on 11/03/2013**

**5. Start Up Saturday on 10/8/2013**

ED Cell MNIT in association with Headstart launched StartupSaturday, the first event of its kind in pink city. It aimed at bringing new generation entrepreneurs together and giving them a platform to interact and discuss new age ventures. The event was marked by the presence of CarDekho, Offermandi, Freshetarian.in. and many other startups.

**5.6 Materials Research Centre**

In order to augment the infrastructure for advanced research and to attain excellence in innovative research in materials technology, a centre of excellence - Materials Research Centre, has been created under the able support and guidance of the competent authority. The Materials Research Centre (MRC) aims to harness the talent resources of MNIT for promoting interdisciplinary research in appropriate materials technologies. Besides catering to the research needs of the institutional faculty & students, the state of the art research facilities of the Materials Research Centre will also be extended to the scientists, faculty and researchers of other institutes as well as to private sector/ industries. MRC also contemplates instructing qualified potential users on the operation of the available instruments and the interpretation of data. The centre encourages inquiries concerning the development of new methodologies and welcomes contract and potential collaborative work. The equipment procured in Phase I of the Centre has been installed

& commissioned. MRC staff and faculty is highly trained and quite thorough on application of these state of the art experimental facilities. The students of MNIT have also received trainings on the equipment & the equipment has been made open to users across the country. The applicable charges can be known from the office, MRC.

**Objectives of the proposed materials research center:**

1. Promotion of interdisciplinary research in emerging areas of materials science and engineering
2. To make the center globally visible by way of achieving excellence in cutting edge research. Development of appropriate technology will be one of the main targets.
3. Active and sustainable collaboration with institutes and universities of national and international repute.
4. Enhancement of sponsored research activities in materials technology.
5. Evolution of means to encourage industrial participation in technology development and research in areas of mutual interest. DSIR recognition can be an incentive to the industries.
6. Augmenting consulting activities; taking up joint projects with industries on new technology research and innovation.
7. Catering to the need of new and upcoming generation of material scientists for carrying out sophisticated experiments.

S. No.	Date	Title	Speaker/s	Organizer	Venue	Co-ordinator/s
1.	13-09-2013	Application of Spray Drying in The Field of Material Science and Metallurgical Engineering, Nano-Science and Nano-technology, Physics and Chemistry.	Dipl. Ing. Philipp John	Buchi India Pvt. Ltd. & MRC	Seminar Hall MRC	Dr. Sandeep Choudhary (Chemistry)
2.	31-10-2013	Energy Conversion in Mesoscopic Systems	Dr. Shahzada Ahmad	Abengoa Research, Spain & MRC	Mini Auditorium, Design Centre	Dr. Rajkumar
3.	09-12-2013	EBSD and its application	Dr. Ubhai Singh	Oxford Inc. & MRC	Seminar Hall MRC	Dr. K Sachdev
4.	11-12-2013 23-12-2013	Introduction to Gas Chromatography MS, ICP-MS, MP-AES	Dr. Upendra Khurana	Agilent Technologies & MRC	Seminar Hall MRC	Dr. Sandeep Choudhary (Chemistry)



S. No.	Date	Title	Speaker/s	Organizer	Venue	Co-ordinator/s
5.	28-01-2014	Role of Electronic and Structural properties on the development of organic thin film transistor device.	Prof. Manabendra Mukherjee	MRC	Seminar Hall MRC	Dr. K Sachdev
6.	30-01-2014	Symposium on "Frontier Research in Materials"	Prof. Jitendra Kumar (IIT Kanpur) Prof V.S. Raja (IIT Bombay) Prof. M Mukherjee (SINP Kolkata) Prof. Ravi Kumar (Beant College of Engineering & Technology) Dr. S. Tarafdar (NML, J) Dr. P. Ghosal (DMRL, Hyderabad) Dr. K. Asokan (IUAC New Delhi) Dr. Ram Choudhary (IUC Indore)	MRC	Design Centre (MNIT Jaipur)	Dr. Madhu Agrawal, Dr. Rahul Singhal & Dr. Vinod Kumar
7.	31-01-2014 to 03-02-2014	Refresher Course on Electron Microscopy	Dr. Jitendra Kumar (Ex-Professor, IIT Kanpur)	MRC	Conference Room MRC, MNIT Jaipur	Dr. Rajkumar Joshi Dr. Vinod Kumar

### 5.7 Rajbhasha Cell

The Rajbhasha cell organized following activities during the year.

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

S. No.	Name of the Faculty	Title of Event	Place	Date (s)
1.	Dr. R. K. Vyas	Hindi Takniki Patra Prastutikaran Sangoshthi- Vyavsayik Shiksha mein Hindi Bhasha ka Samvardhan	MNIT Jaipur	September 21- 22, 2013
2.	Dr. Kailash Singh	Hindi Takniki Patra Prastutikaran Sangoshthi- Vyavsayik Shiksha mein Hindi Bhasha ka Samvardhan	MNIT Jaipur	September 21-22, 2013
3.	Mr. Sushant Upadhyaya	Hindi Takniki Patra Prastutikaran Sangoshthi- Vyavsayik Shiksha mein Hindi Bhasha ka Samvardhan	MNIT Jaipur	September 21- 22, 2013



Seminar/Conference/Workshop organized:

S No.	Name of the Conveners	Designation	Title of Event	Place	Date (s)
	Dr. R. K. Vyas, Dr. Jyoti Joshi, Dr. Kailash Singh Mr. Sushant Upadhyaya, and Mr. Anshu Saxena	Associate & Assistant Professors and Asst. (SG-I)	Hindi Pakhwara 2013 – Inaugural Function	MNIT Jaipur	September 11, 2013
	Dr. R. K. Vyas, Dr. Kailash Singh and Mr. Sushant Upadhyaya	Associate & Assistant Professors	<i>Hindi Vad-Vivad Pratiyogita</i>	MNIT Jaipur	September 12, 2013
	Dr. Suman Rathore and Mr. Anshu Saxena	Asst. Registrar and Asst. (SG-I)	<i>Likhit Hindi Prashnottary</i>	MNIT Jaipur	September 13, 2013
	Dr. R. K. Vyas, Dr. Jyoti Joshi, Dr. Kailash Singh Dr. Sangeeta Vyas, Mr. Sushant Upadhyaya, and Mr. Anshu Saxena	Associate & Assistant Professors and Asst. (SG-I)	<i>Hindi Diwas par Hindi Maukhik Prashnottary evam Hindi Laghu Natika</i>	MNIT Jaipur	September 14, 2013
	Dr. Kailash Singh and Mr. Deep Singh	Associate Professor and Librarian	<i>Ashubhashan Pratiyogita</i>	MNIT Jaipur	September 18, 2013
	Dr. Nupur Tandon and Mr. Anshu Saxena	Associate Professor and Asst. (SG-I)	<i>Hindi Nibandh Lekhan Pratiyogita</i>	MNIT Jaipur	September 19, 2013
	Dr. R. K. Vyas, Dr. Kailash Singh, Mr. Sushant Upadhyaya, Mr. Deep Singh and Mr. Anshu Saxena	Associate & Assistant Professors, Librarian and Asst. (SG-I)	<i>Kaavya Paath Pratiyogita</i>	MNIT Jaipur	September 21, 2013
	Dr. Sudheer Calla, Dr. R. K. Vyas, Dr. Kailash Singh and Mr. Sushant Upadhyaya	President IE (I) RSC, Jaipur, Associate & Assistant Professors	<i>Hindi Takniki Patra Prastutikaran Sangoshthi – Vyavsayik Shiksha mein Hindi Bhasha ka Samvardhan</i>	MNIT Jaipur	September 21-22, 2013
	Dr. R. K. Vyas, Dr. Jyoti Joshi, Dr. Kailash Singh Mr. Sushant Upadhyaya, and Mr. Anshu Saxena	Associate & Assistant Professors and Asst. (SG-I)	Hindi Pakhwara 2013 – Prize Distribution & Concluding Function	MNIT Jaipur	September 25, 2013



### Visitors to the Department

S. No.	Name of the Visitor	Designation	Affiliation	Purpose	Date(s)
1.	Prof. V. S. Vyas	Vice Chaiman, Planning Board, Rajasthan and Member, Economic Advisory Council of Prime Minister of India	Former Director, IIM, Ahmedabad	Chief Guest, Inaugural Function of <i>Hindi Pakhwara-2013</i>	September 11, 2013
2.	Mr. D. R. Mehta	Former Chaiman, Securities & Exchange Board of India (SEBI) and IAS (Retd.)	Chairman, <i>Mahaveer Viklang Sewa Samiti</i> , Jaipur	Chief Guest, <i>Hindi Takniki Patra Prastutikaran Sangoshthi</i> - Inaugural Function	September 21, 2013
3.	Ms. Rashmi Gupta	Director	Bhasha Vibhag, Rajasthan	Guest of Honour, <i>Hindi Takniki Patra Prastutikaran Sangoshthi</i> - Inaugural Function	September 21, 2013
4.	Dr. Rekha Gupta	Head of Department	Department of Hindi, Kanoria Girls P.G. College, Jaipur	Judge, <i>Kaavya Paath Pratiyogita, Hindi Pakhwara-2013</i>	September 21, 2013
5.	Mr. Rajendra Bhanawat	Ex Mg. Director, RIICO	IAS (Retd.)	Chief Guest, <i>Hindi Takniki Patra Prastutikaran Sangoshthi</i> - Concluding Function	September 22, 2013
6.	Mr. K. K. Pathak	Secretary	Rajasthan Public Service Commission, Ajmer	Chief Guest, Prize Distribution & Concluding Function of <i>Hindi Pakhwara- 2013</i>	September 25, 2013

### Guest Lectures Organized by the Cell

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date
1.	Prof. V. S. Vyas	Vice Chaiman, Planning Board, Rajasthan and Member, Economic Advisory Council of Prime Minister of India	Rajbhasha	September 11, 2013
2.	Mr. D. R. Mehta	Former Chaiman, Securities & Exchange Board of India (SEBI) and IAS (Retd.)	<i>Hindi Takniki Patra Prastutikaran</i>	September 21, 2013
3.	Ms. Rashmi Gupta	Director, Bhasha Vibhag, Rajasthan	Rajbhasha	September 21, 2013
4.	Mr. Rajendra Bhanawat	Ex Mg. Director, RIICO	<i>Hindi Takniki Patra Prastutikaran</i>	September 22, 2013
5.	Mr. K. K. Pathak	Secretary, Rajasthan Public Service Commission, Ajmer	Rajbhasha	September 25, 2013

Total numbers of national seminars/conferences organized by the department

- (i) A Two week Hindi Pakhwara 2013
- (ii) A Two days' Hindi Takniki Patra Prastutikaran Sangoshthi



## 5.8 8th CONVOCATION

The eighth (8th) CONVOCATION of Malaviya National Institute of Technology was held on July 10, 2013. The institute received congratulatory messages from the President of India, Sh. Pranab Mukherjee, The Vice President of India, The Minister of State for Human Resource Development, Sh. Shashi Tharoor, The Governor of Rajasthan, Smt. Margaret Alva, the Chief Minister of Rajasthan, Sh. Ashok Gehlot and the Chairman of the institute Dr. K.K. Aggarwal.

The convocation was held towards the end of the Golden Jubilee year of the institute. A total of 953 degrees were awarded to Ph.D., Masters and Bachelor's students.

Sh. Pranab Mukherjee, President of India was the Chief Guest. In his address he congratulated the MNIT fraternity on completing 50 years of excellence and commitment to the nation's goal of development and progress. He opined that unsustainable development and lop-sided financial planning were the principal challenges before the world today. He announced that India had declared 2010-2020 as the "Decade of Innovation" and said that the new Science, Technology, and Innovation Policy was unveiled by the Prime Minister and aims at making India one among five scientific powers in the world by 2020.

He expressed concern over the fact that India represented 17% of the world population and yet only 2% patent applications were filed in India. He emphasised the need to develop scientific temper across all sections of society. He said that we must develop systems that foster innovation and creative thinking and that careers in Science & research must be made attractive for talented minds. He ended his address with encouragement to the students and the advice that they should step out into the world with confidence and courage and never look back.

The Chairman of the institute Prof. K.K. Aggarwal first expressed his gratitude towards the President for sparing his time for this great moment in the history of the institute.

In his address to the students he said that they were graduating at a very significant time, as the rate of change was never as fast as the present rate of change. He said that Political, Economical and Technological independence were inter-related. He said that it was a tight rope walk balancing the speed of technological advances with tradition, ethics and value system. He quoted that while driving through life we should look not just at the clock but also the compass. The challenge he said, was to train our youth in the concurrent use of the Head, hands and heart. He requested the honourable chief guest to consider improving the general level of quality of education as the National Agenda.

Prof. I.K.Bhat, the Director of the institute presented the Director's Report. He said that 50 years ago the institute had started with 60 students admitted in 2 disciplines, it now offers 9 undergraduate, 20 postgraduate programmes along with Ph.D. studies in all disciplines.

The institute inducted 57 new well qualified faculty members during the year. This has improved the student teacher ratio.

He reported that in this year 25 new projects, the funding amounting to 10.5 cr. have been granted to the institute. The projects encompass all the thrust areas of research. The institute has been granted phase II of the world Bank assisted TEQIP for a period of 4 years with an outlay of 12.5 cr.

He said that most of the departments have upgraded their Laboratories with State of art equipment. Centre of excellence in design has been established. The newly established centre for Energy & Environment is part of the prestigious Indo-US partnership for Advancing clean Energy Research (PACE-R). The institute has sponsored three chair professor positions namely by Steel Chair, C-Dos chair and IAAD chair.

The institute signed MOUs with several prestigious institutes & organisations such as Deakin University, Australia, Saskatchewan University, Canada, SAIL, CSIR,-CGCRI, REIL, IIT Mandi, NITTR Chandigarh etc.

He said that 4000 sq. m. area in the form of laboratories and classrooms has been added in the past one year. Two floors have been added to the Design Centre, The foundation stone for a new Lecture hall complex was laid on the day of the beginning of the Golden Jubilee year. This complex would be one of the largest in the country. The institute organised 7 International conferences, 6 National conferences, 13 Training programmes, 9 community service schemes and many other activities. The Advani Memorial Basket ball tournament was organised after a gap of 16 years. The Go-green mini-marathon was organised, the institute hosted the consortium of NITs and the meeting of Vice Chancellors and Directors of NITs. Transportation and Infrastructure Congress & Expo 2013, 12th Annual IEEE International workshop, Inter college students tech-fest Neuron, Cultural festival Blitzschlag, Inter college sports tournament were hosted during the year.

122 companies visited the institute for campus recruitment. More than 50% students were placed in private sector companies. The highest package of Rs. 16 LPA was given by Microsoft.

Three new M. Tech. programs in Production Design and steel technology were introduced this year.

He congratulated the students receiving degrees and expressed his gratitude to all the dignitaries for gracing this solemn occasion.



## 6. THE COUNCIL, BOG AND OTHER COMMITTEES

### 6.1 Board of Governors

S. No.	Name	Will serve as
1.	Prof. K. K. Aggarwal Chairman, MNIT A-3/512, Milan Vihar Apartment I.P. Extension Delhi-92	Chairman
2.	Prof. I. K. Bhat, Director, Malaviya National Institute of Technology Jaipur (Rajasthan)	Ex-Officio Member
3.	Special Secretary/Additional Secretary/Joint Secretary dealing with Technical Education Department of Higher Education Ministry of Human Resource Development	Member
4.	Financial Adviser, Department of Higher Education Ministry of Human Resource Development	Member
5.	Sh. R.L. Toshniwal President, Sintex Limited, Banswada	Member
6.	Sh. Prem Surana 8, Gaurav Nagar, Civil Lines, Jaipur	Member
7.	Prof. Surendra Prasad Director, IIT Delhi	Member
8.	Prof. Shobhana Narasimhan Professor and Chairperson, Theoretical Science Unit JNCASR, Jakkur, Bangalore-560 06 India	Member
9.	Prof. Ashok Sharma Professor, Department of Metallurgical and Materials Engineering, MNIT, Jaipur	Member
10.	Dr. Awadhesh Bhardwaj Associate Professor, Department of Mechanical Engineering, MNIT, Jaipur	Member
11.	Shri Manish Jindal Registrar, Malaviya National Institute of Technology Jaipur (Rajasthan)	Secretary



## 6.2 Finance Committee

S.No.	Name	Constituency
1.	<b>Prof.K.K.Aggarwal</b> , Chancellor-Lingaya's University, Faridabad and Former Vice Chancellor-GGS Indraprastha University, Delhi	Chairman
2.	Prof.I.K.Bhat, Director, MNIT, Jaipur	Ex-Officio Member
3.	Special Secretary/Additional Secretary/Joint Secretary (Technical Education) Govt. of India, MHRD, Dept. of Higher Education Shastri Bhawan New Delhi	Member
4.	Financial Adviser, Department of Higher Education Ministry of Human Resource Development	Member
5.	Sh. Prem Surana 8, Gaurav Nagar, Civil Lines, Jaipur	Member
6.	Prof. Surendra Prasad Director, IIT Delhi	Member
7.	Sh. Manish Jindal Registrar, MNIT, Jaipur.	Ex-officio Member Secretary

## 6.3 Building & Works Committee

S. No.	Name	Designation
1.	Prof. I.K.Bhat MNIT Jaipur	Director & Chairman of BWC
2.	The Director (NITs) Department of Higher Education Ministry of Human Resource Development Government of India Shastri Bhawan, New Delhi 011-23070177 V Arun Kumar – 8750055245	
3.	Sh. Prem Surana	( BOG Nominee)
4.	Shri Arjun Singh Director Technical JVVNL, Jaipur 91-141-2740341	Member
5.	Shri Krishna Maheshwari Superintending Engineer (Civil, Planning) CPWD, circle, Sector-10 Vidhyadhar Nagar, Jaipur Email ID – manasdiva@yahoo.co.in Office – 0141-2232804	Member



<b>S. No.</b>	<b>Name</b>	<b>Designation</b>
6.	Prof. Ravindra Nagar Dean (P&D) MNIT Jaipur	Member
7.	Sh. Manish Jindal Registrar	Member Secretary
8.	Sh. Tarush Chandra Associate Dean (P&D) MNIT Jaipur	Special Invitee
9.	Sh. Sitaram Sharma Executive Engineer -II Estate Section , MNIT Jaipur	Special Invitee
10.	Sh. Jitendra Dixit Executive Engineer-I Estate Section , MNIT Jaipur	Special Invitee
11.	Sh. Mukund Joshi Chief Engineer CPWD, MNIT Jaipur	Special Invitee
12.	Dr. Nikhil Gupta Coordinator (Electrical) Assistant Professor, Department of Electrical Engineering MNIT Jaipur	Special Invitee
13.	Dr. Jyotirmay Mathur Head, Energy & Environment MNIT Jaipur	Special Invitee



## 7. CONCESSIONS FOR SCs, STs, PERSONS WITH DISABILITY

### 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 courses at the MNIT, Jaipur. The same applies for Post Graduate courses

(i)	OBC candidates	27%
(ii)	Scheduled Caste candidates	15%
(iii)	Scheduled Tribe candidates	7.5%
(iv)	Persons with Disability	3%

#### Tuition Fee Waiver

Students belonging to SC/ST category are given 100% tuition fee waiver.

#### Library Facilities

There is a separate Book Bank for SC/ST students. The number of books issued to each SC/ST student is 11 in comparison to 6 for General students.

#### 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 Government of India from time to time are implemented.



## 8. FINANCIAL STATUS

### 8.1 Analysis of Plan and Non Plan and Non Plan Grant

During the year 2013-14 the institute received grant under Plan and Non Plan ( entirely from Govt of India) as given below:-

### 8.1 Analysis of Plan and Non Plan and Non Plan Grant

(₹ in Lakhs)

<b>Plan Grant</b>		
(i)	Non recurring (Building ,Equipment, etc)	: 5800.00
(ii)	Project Grant ( R & D)	: 446.49
(iii)	Other Plan Activities	: 221.28
(iv)	TEQIP	: 300.00
<b>TOTAL ( Plan Grant)</b>		<b>: 6767.77</b>
<b>Non Plan Grant</b>		
(i)	UG/PG Courses	: 3350.00
<b>TOTAL ( Non Plan Grant)</b>		<b>: 3350.00</b>
<b>GRAND TOTAL ( PLAN &amp; NON PLAN GRANT)</b>		<b>: 10117.77</b>

### 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 ( PLAN , NON PLAN & TEQIP)

(₹ in Lakhs)

<b>Years</b>	<b>Expenditure</b>
2011-12	7047.20
2012-13	8824.62
2013-14	14120.12



## 9. CENTRAL FACILITIES AND SERVICES

The Computer Centre, a centralized computing facility of the Institute since 1989, caters to the need of different academic departments and various sections of the Institute by providing and managing extensive computing & networking facilities. To facilitate the use of the latest information technology in Institute's teaching, learning, research and administration; to provide an excellent network environment that facilitates the access and exchange of information; to put innovation in technology transfer; to assist the Institute in its mission; to enable faculty, staff and students to use the computer and network resources effectively and efficiently; and to aim to provide the best quality IT services in the region, the Computer Centre at MNIT Jaipur has continued to re-engineer the process of its service operations for increased productivity and better quality.

### 9.1 Data Centre: The Data Centre comprises of:-

- Blade Server: HP ProLiant BL460c G7 with sixteen blades (Intel® Xenon® 5600 series 6/6 core with HT Processors, Intel® 5520 Chip set, 36GB RAM). 11.5 TB SAN Storage
- VMware cloud suite: With four socket license VMware manages four HP blades and storages.
- EMC<sup>2</sup> Storage: ISILON: 4TB-NAS, VNX-5300: 18TB-SAN, AVAMAR: 10TB backup & recovery

### Highlights of Data Centre:

- » Automated provisioning of IT resources
- » Single interface for administrator for entire IT infrastructure
- » Library digitization
- » Work load elasticity
- » E-mail archival
- » Research on cloud by Ph.D. and M.Tech. students
- » Hosting various services
  - Storage of lectures, assignments, notes
  - Online submission of assignments by students
  - Provide Data Storage to MNIT Students
  - MNIT Website hosting
  - NIT council portal hosting
  - E-Granthalaya, Pro-Base hosting
  - Intranet Web Application Hosting
  - Provide High End Computational Resources for Research purpose
  - Proxy Server, DNS Server, LDAP Service Server

**2. Design Labs:** The design labs are equipped with high-end work stations with both single and dual TFT display having processor of Intel Xenon six core @3.33Ghz, RAM of 8GB, graphics card of Quadra 2000 and storage capacity of 1TB and an application server having processor of Intel Xenon E5520 @2.40GHz and a storage server having capacity of 6TB.

Lab No.	Total PC	Deployment
5	40	Hyper works, Autodesk:3ds Max, Inventor, Maya, electrical, Civil 3D, Architecture, max 3D, MEP 2015, showcase, soft image, revit, navisworks, revit architecture, bently, AutoCAD Design, AutoCAD mechanical, Adobe Photoshop Suite.
6	40	
7	56	
<b>Total</b>	<b>136</b>	



3. **Programming Labs:** There are six programming labs in computer centre. These labs have 349 computers with Linux and windows operating system with latest configuration.

Lab No.	Total PC	Deployment
1	65	Code Blocks C++, Apache Open Office 4.1.0, Java 1.8, Net beans, Visual Studio 08
2	46	Mat lab, Code Blocks C++, Apache Open Office 4.1.0 etc.
3	89	GCC for C/C++ Programming, Net beans 7.0, Libre Open Office etc.
4	49	Auto-CAD Inventor, Auto CAD English, Mat lab, Apache Open Office 4.1.0, Chem-CAD , Adobe After Effect etc.
8	50	Dev C++, Autodesk 3ds Max, Auto CAD Design , Apache Open Office 4.1.0, GCC for programming
9	64	Mat lab, Auto CAD, Autodesk 3ds Max, Autodesk Maya, Autodesk Inventor, Code Blocks C++, Net Beans 7.0. etc.
Total	354	

**Configuration:**

354 PC's Configuration: Intel® Core™ i7-3770 @3.40 GHz Processor with 4 GB RAM & 500GB Hard disk.

4. **Language lab:** There is one language lab in computer centre. This lab has 20 computers with Language Learning softwares Clear Pronunciation, Study Skills Success, Clarity English Success, Business Writing, Active Reading and Tense Buster etc.

5. **CWN (Campus wide network)**

- High efficient CISCO catalyst 3750 L3 switch.
- Internet connectivity inside the MNIT campus is provided by NKN (1 Gbps) and BSNL (1 Gbps).
- Highly efficient Black Diamond Extreme Core Switch 8810 which also acts as DHCP Server.
- Most of the departments are connected through distribution Switches through 1/10 Gbps Optical fibre cable from core switch.
- There are 30 distribution switches and many more POE switches.
- There are 170 manageable Extreme/D-Link switches running in campus.
- Two wireless controller installed in server room to provide wi-fi access.

- Three internet access server (proxy+ firewall), DHCP, window update server and installation server.

6. **NKN (National Knowledge Network):**

A decision to setup a NKN was announced in budget speech 2008-09 by the Govt. and approved the project for establishing NKN in 2010. The motive behind this project was to share knowledge and collaborative research through high speed data communication network by connecting all the institutes. This platform provides sharing and accessing of classroom lectures and presentation etc. in real time.

- Virtual class room: It became operational in MNIT in the February, 2012. It is being utilized for NIT training programs and guest lectures for M.Tech/B.Tech students.

The VCR setup comprises Document cameras, Touch panel cum master controller, starboard, audio video mixers etc. Available mode of learning are local teaching, distance learning, distance teaching, discussion.

**Web Application Development:**

There are many web based applications that are developed, successfully deployed and maintained by Computer Centre.



- The MNIT website is restructured and reframed by Computer Centre. New website includes many features like dynamic faculty profiles, user friendly multi tab interface, scroll free GUI and quick search etc.
- An NIT Council web application was designed, developed and is being maintained by Computer Centre to create an interface for all thirty NITs so that users can access information about all the NITs from a single platform.

Other applications developed and maintained by Computer Centre are:

1. Online Ph.D. Application web portal.
2. MNIT 7th and 8th convocation online registration application.
3. Technical/Non-technical staff recruitment application.
4. Seat allocation program for CSAB-2014.
5. Hostel allotment portal.
6. Grade feeding application;
7. Conferences and seminar websites.
8. Alumni day registration portal
9. MNIT Intranet
10. MRC (Material Research Centre) application: Under development
11. SMP (Student Mentorship program)
12. Online Books procurement system: Under development

### **Placement activities, online Examinations and training programs:**

All the placement activities, online examinations, seminars are organized in Computer Centre.

## **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 latest machine tools to B. Tech. (Mechanical Engineering) and M. Tech. (MSE) Students.
3. To provide the workshop facilities for

fabrication of minor and major projects to the students of all branches.

4. Central workshop has state of the art machine tools and equipments required for carrying out research work at M. Tech and Ph. D. level in all the departments and sections of the institute.
5. To develop a project lab which will have all 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 safe working environment for staff and students
7. Upkeep of institute furniture and other infrastructures.
8. To provide consultancy to industries/ organizations thereby improving 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.

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

1. To provide workshop facilities for fabrication of minor and major projects to the UG/PG students of all branches.
2. The project lab would have state of the art machine tools and equipments to facilitate the research work at M. Tech and Ph. D. level in all the departments and sections of the institute.
3. The project lab shall be 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 coordinator Project Lab.
5. It will also showcase its innovations through exhibitions twice a year. These exhibitions shall be organized in collaboration of Industries.
6. This project lab will open for 24 hrs.



### 9.3 Library

#### 1 Total Floor Area : 15847 sq feet (space per student – about 7.5 sq feet)

The Central Library is located in the Centre of the Institute, where visitors can approach easily. It has 15847 Sq. feet plinth area in two floors (Ground and First). It is well equipped with new and modern furniture (make Godrej) including optimizers (stacks on tracks). The sitting area of the users is fully air conditioned. Each sitting area / hall has different reading cubicles for the users. The Central Library was reintroduced with new name i.e. “LEARNING RESOURCE CENTRE” in April, 2012.

#### 2 Library Automation and Computerization

The Central Library has a customised Library Management Software (KOHA). The circulation services have also been computerised and books are issued through RFID system with Smart Cards only.

#### 3. Member

- a) Students - 4441
- b) Faculty and staff members - 356

#### 4. Circulation of Books ( approx)

- a) Main Library Counter - 83,000 per year
- b) Book Bank - 62,000 per year

#### 5. No. of Visitors (on Membership basis) approx. - 1800 Per day (Faculty, Staff, Students and fee based members)

#### 6. Timings

- 08.00 A.M. to 10.00 P.M. (Monday to Friday)
- 09.00 A.M. to 06.00 P.M. ( Saturday & Sunday)

#### (a) Holdings from 01/04/2013 to 31/03/2014

S. No.	Particulars		As on 31/03/2013	Added During 2013-2014	As on 1/04/2014	Withdrawn	Available holdings
1	Library	Print Books	86684	2394	89077	3352	*85725
		e-Books	-	3073	3073	-	3073
2	Back Volumes		13580	-	13580	120	13460
3	ISI Standards(Now BIS Codes)		12498	-	12498	-	12498
4	Book Bank (Gen.)		49255	2313	51567	-	*51567
5	Book Bank (SC/ST)		18980	43	19022	-	*19022
6	CBIP Publications		531	-	-	-	531
7	CD ROMs Databases+ LRs (on different Subjects)		-	-	-	-	846
<b>Total holdings available</b>							<b>186722</b>
<b>* Physical verification was conducted and final report is to be submitted.</b>							



**(b) NON PRINT MATERIAL**

Total Numbers

- |   |  |             |
|---|--|-------------|
| 1 | Video Cassettes                                  | 1035        |
| 2 | CDs & Floppies (Received with books & magazines) | approx.1000 |

**(c) Expenditure -**

S.No.	Heads	2013-2014 ( in Rs.)
1	Book & Periodicals	16,22,318.00
2	Plan	38,78,307.00
3	Book Bank (Gen.)	8,86,099.00
4	Book Bank- SC	1439.00
5	Book Bank –ST	11,851.00
6	Project – ISEA – Computer Engg.	15,0,165.00
7	Project- CEE	51,898.00
8	Subscription of Journals	1,51,699.00
9	Newspapers & Magazines	31,935.00
	<b>Total</b>	<b>67,85,711.00</b>

**9. A. Expenditure on Online Resources (Plan Budget)**

- |   |                           |
|---|---------------------------|
| (i) Subscription of Online Journals & Databases | Rs. 27,05,791.00          |
| (ii) e-Books                                    | Rs. 91,54,453.00          |
| <b>Grand Total (9+9 A)=</b>                     | <b>Rs. 1,86,45,955.00</b> |

**(D) Indian Journals**

- |   |   |    |
|---|---|----|
| 1. Subscribed   | - | 93 |
| 2. Complementary Journals / Newsletters report etc. approx. | - | 60 |

**(e) Electronic/Online Resources & Databases:**

S. No.	Electronics Resources	URL
I Online foreign journals (INDEST-AICTE Consortium, MHRD, GOI)		
01	ACM Digital Library	<a href="http://portal.acm.org/portal.efm">http://portal.acm.org/portal.efm</a>
02	ASCE e-Journals	<a href="http://www.ascelibrary.org">http://www.ascelibrary.org</a>
03	ASME e-Journals	<a href="http://www.asme.org/pubs/journals">http://www.asme.org/pubs/journals</a>
04	Springer Link	<a href="http://www.springerlink.com">http://www.springerlink.com</a>
II Online Journals subscribed by MNIT Jaipur		
01	Taylor & Francis	<a href="http://www.tandf.com">www.tandf.com</a>
02	Emerald (200 Journals)	<a href="http://www.emeraldinsight.com">www.emeraldinsight.com</a>
03	SAGE Pub., New Delhi	<a href="http://online.sagepub.com">http://online.sagepub.com</a> <a href="http://jax.sagepub.com/">http://jax.sagepub.com/</a>
04	Science Direct(ELSEVIER PUBLISHERS)	<a href="http://www.sciencedirect.com/">http://www.sciencedirect.com/</a>
05	IEL Online Journals	<a href="http://ieeexplore.ieee.org">http://ieeexplore.ieee.org</a>



S. No.	Electronics Resources	URL
<i>III Bibliographic Databases</i>		
01	Access Science Database (for Civil, Mech. & Arch.)	<a href="http://mhebooklibrary.com">http://mhebooklibrary.com</a>
02	PROWESS (Multi User LAN Version containing Financial databases of 27000 Indian companies.)	<a href="http://prowess.cmie.com">http://prowess.cmie.com</a>
03	Economic Research (Eco View) + Industry Research on 10 industries	<a href="http://www.crisilresearch.com">www.crisilresearch.com</a>
IV J-GATE AGGRIGATOR of all Subscribed online Journals		

#### Other Online resources/Databases

1. BIS Codes updated till June, 2009 ( Through Intranet)
2. CD-Rom Databases (846 CD-ROMs on engineering subjects)
3. Access to Bibliographical Databases of foreign journals more than 6500 journals being received by IITs & IIS Bangalore and IIMS (Users receive Research papers by submitting their requests through JCCC ) under INDEST – AICTE Consortium.
4. DELNET Database services for research papers & Books.

#### f). Library & Information Services

1. Issuing of books (Main Library)
2. Issuing of books (Book Bank) (Extra books are issued to students of SC & ST)
3. Video Viewing Services
4. CD-ROM Databases
5. Reprographic Services (Photocopy Services)
6. Periodicals Services
7. Internet facility (Wi fi)
8. J-Gate Services
9. DELNET Services
10. Inter Library Loan (ILL) Services through DELNET
11. Reference Services
12. BIS and IRC Codes
13. Attending Users queries
14. Display of New Arrivals
15. Display of Important notices/ pamphlets etc.
16. Services to outside members

g). **PG Students, Research Scholars and Faculty Members are also guided to use the INDEST-AICTE Consortium services and DELNET Database services.**

#### h). Additional information

- Newly Purchased books are displayed in the Central Hall to make the users aware of new arrivals.
- Thesis & Dissertation submitted to the institute have been entered and available on OPAC.

#### i). Other Activities

- Orientation to users about Online Access to e-Journals.
- Organizing 'Books Exhibition' time to time.
- Meeting Room facilities to various departments.
- Binding of books (time to time)

#### j). FUTURE PLAN:

- Fire Safety Measures
- Purchase / subscription of e-Books and e-Journals on Various subject areas of E.S.T.
- LED lights in entire Library.
- Fitting of Air Conditioners in remaining part of Library.

#### 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 course work and also for research purposes. More laboratories have 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.

#### 9.5 Hospital, Post Office, Shopping Centre

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 surrounding. The campus area has been organized into three functional sectors:

1. Hostels for Students
2. Instructional Buildings
3. 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 Ltd. and SBI on the premises and a Post-office in the campus. The ICICI Bank has installed an ATM on the campus. A team of Medical Officers and two Compounders supervises a full-fledged dispensary. The Institute has also been extending facility of a Part-time Homeopathic doctor and a Lady Doctor in the campus. Adequately equipped Canteen building, one near the instructional zone and one near the hostels 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, washer men, stationary shop and a government co-operative store to provide amenities to the residents.

### 9.6 Physical Facilities

The Institute is spread over an area of 125.04 hectares. The total built up area is divided broadly in three categories

- Academic Area
- Administrative area
- Residential block
- Games and sports facilities.

The following new facilities/alterations were created/(construction work started) during the year.

### 9.7 Games and Sports Facilities

The Institute Physical Education and Sports department has created and developed a positive and healthy sports culture among Students, staff and their family members are enjoying one of the best facilities of the Institute. The vision is to produce fit engineers for the nation with improved quality like positive leadership among students, men managing, Cardio respiratory development, general motor ability, quick decision making ability, body sculpture and especially Fitness and Diet awareness. The department is managing more than 3500 students and staff members and their wards. The existing Games and Sports facilities are:

1. Sports Infrastructure: The following are the existing infrastructure for sports:

### INDOOR FACILITIES

S. No.	Facilities	Remarks
1.	Gymnasium (Weight Training and Power lifting)	01 Hall (40 X 60 Sq feet)
2.	Badminton court (Chess)	01 Court (40 X 60 Sq feet)
3.	Billiard room	01 Table (Room: 25X30 Sq feet)

### OUTDOOR FACILITIES

1.	Volleyball Courts (Flood lit)	03 Courts
2.	basketball Courts (Flood lit)	02 Courts
3.	Play field (Cricket Field, Cricket Nets, Football and Athletic Track and Field.)	Common play field (185 X 127 Sq. Mt)



## 2. Proposed addition of Infrastructure:

1.	Tennis Courts(Flood Light)	03 Courts (Work in progress)
2.	Indoor Sports Complex	Proposed
3.	Cricket Field	Proposed

## 9.7 Other Facilities like, Hostels, Messes, Staff Quarters, Administration etc.

There are twelve hostels for the students of our Institute. The details of rooms are as follows:

Hostel No.	Single Seated Rooms	Double Seated Rooms	Triple Seated Rooms	Total Capacity
<b>Boy's Hostels</b>				
Hostel - 1	72		36	180
Hostel - 2	72		36	180
Hostel - 3	72		36	180
Hostel - 4	72	36		144
Hostel - 5	182			182
Hostel - 6	72		36	180
Hostel - 7			75	225
Hostel - 8	212			212
Aurobindo Hostel	986			986
<b>Girl's Hostel</b>				
Girls Hostel A Block	48		14	90
Girls Hostel B Block		68		136
Gargi Hostel	400			400
P.G. Hostel	16			16
<b>GRAND TOTAL</b>	<b>2204</b>	<b>104</b>	<b>233</b>	<b>3111</b>

### Administrative set up for Hostels

Chief Warden	1
Warden	17
Mess Assistants	5
Caretakers	2

### Hostel/ Mess Management

Presently we have mess facility in all hostels except Hostel no. 3, 4 and 5. The residents of these hostels are dining in messes attached with other hostels. The Mess in Aurobindo Hostel and Gargi Hostel (also catering to residents of Girls Hostel A and B Block) are being operated by private service provider. All messes have been renovated and have modern facilities to facilitate proper hygiene.

Mess Committee consisting of Mess Secretary and Student representatives Mess Members manage the mess. Entire salary of the mess servants is borne by the students themselves through MNIT Students Mess account.



### **Laundry Facilities**

Modern laundry facilities have been installed in Aurobindo Hostel and Gargi Hostel for residents of Boys and Girls Hostel. Students are using these facilities through prepaid smart cards.

### **Other Facilities**

There is one Common Room for each hostel, having the facility of a colour television, and one Table Tennis table.

### **Staff Quarters**

The details of Staff quarters is as follows

	<b>Type</b>	<b>Nos.</b>
1.	A	01
2.	B	17
3.	C	20
4.	D	78
5.	BH	8
6.	WWH	12
7.	F	66
8.	H	52



## 10.0 NOTABLE ACHIEVEMENTS

### 10.1 NOTABLE ACHIEVEMENTS

Malaviya National Institute of Technology Jaipur is spread over an area of 125 hectares and offers a green campus and a vibrant environment for academic and co-curricular pursuits. The institute offers 9 undergraduate, 22 postgraduate & Ph.D. programmes in Engineering, Sciences & Humanities and has total student strength of 4341, and 183 faculty members. The institute has emerged as the second most preferred NIT in the JEE Mains admissions in terms of ranks at which admissions open and close. A large number of DASA students have also chosen to come for studies here.

The institute faculty and staff are continuously striving for achieving better academic environment. Faculty members of the Institute went on secondment for a semester to AIT Bangkok. The institute has hosted eighty conferences, symposia

and workshops. A large number of foreign visits were carried out by faculty members to attend conferences/training courses and explore possibility of International collaborations. A total of 18 new research projects were started during the year. The institute is part of TEQIP Phase II and has come up with creditable performance in the implementation of the project. The placement of students has shown steady improvement in terms of companies visiting the campus, job offers as well as increase in average pay package.

### 10.2 Achievements During The Year

#### 1. Placements

The placement scenario has improved with the average pay package showing steady increase. The details are shown in Table 1.1. Average pay package has risen by 4,000/-Rs.

**Table 1.1** Comparison of Placement during last years

Particulars	2011-12	2012-13	2013-14
Total companies that visited campus for recruitment	109	122	110
Total no. placed /Total no. of eligible students (% Placed)	426/426 (100%)	506/537 (94.2 %)	400/528 (76%)
Total job offers (some students got multiple job offers)	656	561	
Maximum package (lakhs per annum)	16.0	19.99	18
Average package (lakhs per annum)	5.26	5.37	5.41

#### 2. Research Publications

The research publications by faculty and students have shown a marked improvement as shown in Table 1.2. The total publications by faculty in Journals and conferences have increased by 40% as compared to previous year, and that in International Conferences has risen by almost 80%.

**Table 1.2** Research Publication Details

Publications	2011-12	2012-13	2013-14
International Journal	120	183	253
National Journal	38	26	40
International Conference	130	144	166
National conference	40	80	78



### Other Achievements

- Distinguished speakers were invited to deliver lectures in the institute, Fifty two such lectures were organized.
- Seven foreign visits were carried out by faculty members to participate in conferences.
- Forty International Conferences, forty National Conferences and Seminars/Symposia/Workshops were hosted by the institute.
- Several faculty members are reviewers for reputed journals and conferences in their respective area of specialization.
- Faculty members/Research Scholars participated in national/international conferences and workshops.
- Six faculty members completed their Ph. D. during the year.
- Alumni network has been revived in a big way. The alumni have helped in training and placement and interacted and motivated students through interactive sessions.



## 11. Annexure

### 11.1 BOARD OF GOVERNORS

S. No.	Name	Will serve as
1.	Prof.K.K.Aggarwal Chairman, MNIT A-3/512, Milan Vihar Apartment I.P. Extension Delhi-92	Chairman
2.	Prof.I.K.Bhat, Director, Malaviya National Institute of Technology Jaipur (Rajasthan)	Ex-Officio Member
3.	Special Secretary/Additional Secretary/Joint Secretary dealing with Technical Education Department of Higher Education Ministry of Human Resource Development	Member
4.	Financial Adviser, Department of Higher Education Ministry of Human Resource Development	Member
5.	Sh. R.L. Toshniwal President, Sintex Limited, Banswada	Member
6.	Sh. Prem Surana 8, Gaurav Nagar, Civil Lines, Jaipur	Member
7.	Prof. Surendra Prasad Director, IIT Delhi	Member
8.	Prof. Shobhana Narasimhan Professor and Chairperson, Theoretical Science Unit JNCASR, Jakkur, Bangalore-560 06 India	Member
9.	Prof. Ashok Sharma Professor, Department of Metallurgical and Materials Engineering, MNIT, Jaipur	Member
10.	Dr. Awadhesh Bhardwaj Associate Professor, Department of Mechanical Engineering, MNIT, Jaipur	Member
11.	Shri Manish Jindal Registrar, Malaviya National Institute of Technology Jaipur (Rajasthan)	Secretary



## 11.2 FINANCE, BUILDING & WORKS AND OTHER COMMITTEES

### Finance Committee

S.NO.	NAME	CONSTITUENCY
1.	Prof. K. K. Aggarwal	Chairman
2.	Prof. I. K.Bhat, Director, MNIT, Jaipur	Ex-Officio Member
3.	Special Secretary/Additional Secretary/Joint Secretary (Technical Education) Govt. of India, MHRD, Dept. of Higher Education Shastri Bhawan New Delhi	Member
4.	Financial Adviser, Department of Higher Education Ministry of Human Resource Development	Member
5.	Sh. Prem Surana 8, Gaurav Nagar, Civil Lines, Jaipur	Member
6.	Prof. Surendra Prasad Director, IIT Delhi	Member
7.	Sh. Manish Jindal Registrar, MNIT, Jaipur.	Ex-officio Member Secretary



## Building & Works Committee

S. No.	Name	Designation
1.	Prof. I.K.Bhat	Director & Chairman & BWC
2.	The Director (NITs) Department of Higher Education Ministry of Human Resource Development Government of India Shastri Bhawan, New Delhi 011-23070177 V Arun Kumar – 8750055245	Member
3.	Sh. Prem Surana	( BOG Nominee)
4.	Shri Arjun Singh Director Technical JVVNL, Jaipur 91-141-2740341	Member
5.	Shri Krishna Maheshwari Superintending Engineer (Civil, Planning) CPWD, circle, Sector-10 Vidhyadhar Nagar, Jaipur Email ID – <a href="mailto:manasdiva@yahoo.co.in">manasdiva@yahoo.co.in</a> Office – 0141-2232804	Member
6.	Prof. Ravindra Nagar Dean (P&D) MNIT Jaipur	Member
7.	Sh. Manish Jindal Registrar	Member Secretary
8.	Sh. Tarush Chandra Associate Dean (P&D) MNIT Jaipur	Special Invitee
9.	Sh. Sitaram Sharma Executive Engineer -II Estate Section , MNIT Jaipur	Special Invitee
10.	Sh. Jitendra Dixit Executive Engineer-I Estate Section , MNIT Jaipur	Special Invitee
11.	Sh. Mukund Joshi Chief Engineer CPWD, MNIT Jaipur	Special Invitee
12.	Dr. Nikhil Gupta Coordinator (Electrical) Assistant Professor, Department of Electrical Engineering MNIT Jaipur	Special Invitee
13.	Dr. Jyotirmay Mathur Head, Energy & Environment MNIT Jaipur	Special Invitee



## THE SENATE

<b>S. No.</b>	<b>Name</b>	<b>Designation and Address</b>
1.	Prof. I. K. Bhat	Director Chairman Senate MNIT Jaipur
2.	Prof. A. K. Khare	Ex-Pro Vice Chancellor, UP Technical University, Lucknow 09910075220
3.	Dr. S. Rangnekar	MANIT Bhopal, Bhopal 09425693993
4.	Prof. Ashok Bapna	Advisor & Member, State Planning, Board, Government of Rajasthan, Jaipur
5.	Dr. M. K. Shrimali	Dean, Administration and Associate Professor, Civil Engg. Dept., MNIT Jaipur
6.	Prof. Rohit Goyal	Dean, (R & C) and Professor, Civil Engg. Department, MNIT Jaipur
7.	Prof. Ravindra Nagar	Dean, Planning & Development and Professor, Civil Engg. Department, MNIT Jaipur
8.	Prof. R. A. Gupta	Dean, Faculty Affairs, Professor Electrical Engg. Department MNIT Jaipur
9.	Prof. Gopal Agarwal	Dean, Academic Affairs Professor, Mechanical Engg. Department MNIT Jaipur
10.	Prof. Rajeev Shringi	Dean, Students Welfare & Professor Architecture & Planning Department MNIT Jaipur
11.	Prof. Alok Ranjan	Coordinator Placement & Professor Architecture & Planning Department MNIT Jaipur
12.	Prof. Rakesh Jain	Professor and Head Mechanical Engg. Department MNIT Jaipur
13.	Prof. Upender Pandel	Professor & Head, Metallurgical & Materials Engg. Department, MNIT Jaipur
14.	Prof. Sudhir Kumar	Professor & Head Civil Engg. Department MNIT Jaipur
15.	Prof. K. D. Gupta	Professor & Head Chemistry Department MNIT Jaipur
16.	Prof. K. C. Swami	Professor & Head Physics Department MNIT Jaipur
17.	Prof. Manoj Fozdar	Professor & Head



		Electrical Engg. Dept. MNIT Jaipur
18.	Dr. M.C. Govil	Head Computer Engg. Department MNIT Jaipur
19.	Dr. Vineet Sahula	Head Electronics & Comm. Engg. Dept., MNIT Jaipur
20.	Ar. Ram Niwas Sharma	Head Architecture & Planning Dept. MNIT Jaipur
21.	Dr. G. S. Dangayach	Head Department of Management Studies, MNIT Jaipur
22.	Dr. Suja George	Associate Professor & Head Chemical Engg. Department MNIT Jaipur
23.	Dr. Jyotirmay Mathur	Head, Centre for Energy and Environment, MNIT Jaipur
24.	Dr. V. S. Shekhawat	Head Humanities Department MNIT, Jaipur
25.	Dr. Vatsala Mathur	Associate Professor & Head Department of Mathematics, MNIT Jaipur
26.	Prof. M. S. Gaur	Professor, Computer Engg. Department, MNIT Jaipur
27.	Prof. Ashok Sharma	Professor Metallurgical & Materials Engg. Department, MNIT Jaipur
28.	Prof. S. L. Soni	Professor Mechanical Engg. Department MNIT Jaipur
29.	Prof. A. P. S. Rathore	Professor Mechanical Engg. Department MNIT Jaipur
30.	Prof. P. R. Soni	Professor Metallurgical & Materials Engg. Department, MNIT Jaipur
31.	Prof. C. P. Sharma	Professor Metallurgical & Materials Engg. Department MNIT Jaipur
32.	Prof. A. K. Bhargava	Professor Metallurgical & Materials Engg. Department MNIT Jaipur
33.	Prof. A. B. Gupta	Professor Civil Engg. Department MNIT Jaipur
34.	Prof. Gunwant Sharma	Professor Civil Engg. Department MNIT Jaipur



35.	Prof. Y. P. Mathur	Professor Civil Engg. Department MNIT Jaipur
36.	Prof. B. L. Swami	Professor Civil Engg. Department MNIT Jaipur
37.	Prof. A. K. Vyas	Professor Civil Engg. Department MNIT Jaipur
38.	Prof. Alok Gupta	Professor Chemical Engg. Department MNIT Jaipur
39.	Prof. S. P. Chaurasia	Professor Chemical Engg. Department MNIT Jaipur
40.	Prof. S. K. Sharma	Professor Physics Dept. MNIT Jaipur
41.	Prof. K. R. Niazi	Professor Electrical Engg. Department MNIT Jaipur
42.	Prof. K. C. Jain	Professor Mathematics Department MNIT Jaipur
43.	Prof. Rashmi Jain	Professor Mathematics Department MNIT Jaipur
44.	Prof. Kantesh Gupta	Professor Mathematics Department MNIT Jaipur
45.	Prof. M. K. Banerjee	Steel Chair Professor Metallurgical & Materials Engg. MNIT Jaipur
46.	Prof. V. Sinha	Professor Electronics & Comm. Engg. Dept., MNIT Jaipur
47.	Dr. Urmila Brighu	Associate Dean (UG) & Associate Professor, Civil Engg. Dept., MNIT Jaipur
48.	Dr. Sandeep Chaudhary	Associate Dean (PG) & Associate Professor, Civil Engg. Dept., MNIT Jaipur
49.	Dr. Ashok Kumar Solanki	Registrar & Secretary MNIT Jaipur
50.	Mr. Bhupesh Kumar Yadav2010UME146	B. Tech. Mechanical Engg VII Semester
51.	Ms. Kamini Singh2012PEV5070	M. Tech. VLSI Design III Semester



### 11.3 RESEARCH PROJECTS AND CONSULTATION JOBS

#### DEPARTMENT OF ARCHITECTURE AND PLANNING

##### Projects completed during the year

S. No.	Name of the Project	Team	Client	Type of funding agency (R & D/ academic/ Industry/PSU/Govt./ Specify if any other.)	Outlay (in Lacs of Rs.)	Completed/ Ongoing
1.	Pre-feasibility Report for proposed Rajasthan Refinery Township Project	Ar. Ram Niwas Sharma Dr. Satish Pipralia	HPCL	PSU	5.00	Completed



## DEPARTMENT OF CIVIL ENGINEERING

### Continuing Sponsored Research Projects (Started Earlier Than 1<sup>st</sup> April 2013) :

S. No.	Name of The Project	Principal Investigator/ Coordinator	Sponsoring Agency	Outlay (In Lacs of Rs.)	Completed /Ongoing
1.	Earthquake Hazard and Risk Reduction on the Indian Subcontinent	Co-PI	Norwegian Embassy	113	Ongoing
2.	Development of Integrated Public Transport System, Nationally Coordinated Project (NCP)	Dr. B. L. swami	AICTE, New Delhi, India	30.00	Completed
3.	Model of Porous Asphalt Pavement	Prof. P.S.Kandhal	Department of Science and Technology	0.13	Completed
4.	Development of field test kit for detection of total coliforms and E.coli in drinking water	Dr. U Brighu	CCDU, WSSO, Jaipur	8.92	Ongoing
5.	NCP on Monitoring & Characterization of Respirable Particles in Urban Environment (Outdoor/Indoor) and their Association with Human Health	Dr. A. B. Gupta and Dr. Nivedita Kaul	AICTE	20.00	Report submitted. Formal closure to be done
6.	Assessment of possibilities of recovery and reuse of wastewater in handmade paper industry in Sanganeer	Dr. A. B. Gupta; Dr Kailash Singh; Saakshi	DST, GOI (2011)	35.98	Ongoing
7.	Development of a Solar Energy based Membrane Distillation System for rural drinking Water applications in Rajasthan	Dr A B Gupta, Dr S. P. Chaurasia, Sushant Upadhyaya, G. D. Agarwal	CCDU, GOR (2012)	10.5	Ongoing
8.	Membrane Integrated Modified Nalgonda Defluoridation Technique for drinking Water	Dr. Madhu Agrawal, Suja George, Dr A B Gupta, Dr S. P. Chaurasia	CCDU, GOR (2012)	15.9	Ongoing
9.	Development of Field Test Kit for Detection of Total Coliforms and E .coli in Drinking Water	Dr Urmila Brighu, Dr A B Gupta	CCDU, GOR (2012)	8.92	Ongoing



<b>S. No.</b>	<b>Name of The Project</b>	<b>Principal Investigator/ Coordinator</b>	<b>Sponsoring Agency</b>	<b>Outlay (In Lacs of Rs.)</b>	<b>Completed /Ongoing</b>
10.	Study of Urban Heat Island of Indian Cities and Development of ANN Model for Scientific Planning to Control Urban Heat Island Effect	Dr. Sumit Khandelwal	DST, New Delhi	14.46	Ongoing
11.	Experimental and analytical studies for the short term and long term behavior of Epoxy Bonded Steel-Concrete Composite Bridges	Dr. Sandeep Chaudhary	DST, Govt. of India	39.14	Ongoing
12.	Assessment of Climate Change & Its Impact on Urban Hydrology: Indian Perspective	Dr. M. K. Jat for Jaipur Centre	AICTE	40.0	On completion stage



### New Research Projects (Started in the Year 2013-14):

S. No.	Name of The Project	Principal Investigator/ Coordinator	Sponsoring Agency	Outlay (In Lacs of Rs.)	Completed /Ongoing
1.	Community Water Plus	Dr. U Brighu	AUSAID	30.00	Ongoing
2.	Laboratory Infrastructure Improvement for Establishment of Water Technology Centre	D. Mahesh K. Jat	DST	67.00	Ongoing

### Continuing Consultancy Projects (Started Earlier Than 1<sup>st</sup> April 2013)

S. No.	Name of The Project	Team Members	Client	Outlay (In Lacs of Rs.)	Completed /Ongoing
1.	Mix Design (Bituminous)	Dr. B.L. Swami, Dr. J.K.Jain, Dr. Arun Gaur	JDA, RIICO, RUIDP	2.0	Completed
2.	Mix Design (Concrete)	Dr. Vinay Agrawal, Dr. Sandeep Chaudhry	JDA, RIICO, RUIDP, M/S H.S. Mehta Ltd. etc.	1.0	Completed
3.	Traffic studies and overlay design	Dr. B.L. Swami, Dr. J.K.Jain, Dr. Arun Gaur	JDA, RIICO	1.0	Completed



### New Consultancy Projects (Started in Year 2013-14)

S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
1	Proof Checking of Design & Drawings of RCC SR 350kL at Nadbai, Dist. Bharatpur	Dr. Vinay Agrawal, Shri Rajesh Gupta, Dr. S. Chaudhary	M/s Ram Mohan Garg, Bharatpur	56180	8.7.13
2	Mix design of M-10 grade	Dr. Pawan Kalla, Dr. Vinay Agrawal, Dr. S. Chaudhary	M/s H.S. Metha, Ajmer	56180	11.7.13
3	Vetting of Structural design & drawing of RMF Bhinder and Phalodi	Dr. M.K. Shrimali, Dr. S.D. Bharti, Dr. P.V. Ramana	Dy. Chief Engineer, LIC, Jaipur	224720	3.7.13
4	Proof Checking of Water treatment Plant- 75 MLD, RCC CWR - 6500 kL, for Akelgarh, Kota	Dr. S. Chaudhary, Shri Rajesh Gupta, Dr. S.K. Tiwari	Megha Engg. & Infrastructure Ltd., Jaipur	179776	8.7.13
5	Geotechnical investigation for RCC ESRs 220 kL at Umren, Sikar	Dr. S.K. Tiwari, Dr. Vinay Agrawal	M/s Ganpati Const. Co., Renwal, Jaipur	78652	10.7.13
6	Proof Checking of Design & Drawings of RCC SR 100kL village Bathoth, Dist. Sikar	Dr. Vinay Agrawal, Dr. R. Nagar, Dr. R.C. Gupta	M/s Sheikh Construction Co., Khetri	56180	10.7.13
7	Mix design of M-25 & M-30 grades and Proof Checking of Design & Drawings of RCC OHSR 250kL, 18 m at staging at RWSS Bhadarpur, Dist. Alwar	Shri Rajesh Gupta, Dr. Vin ay Agrawal, Dr. S. Chaudhary	M/s Supertech Engineers, Ashok Circle, Alwar	67416	Ongoing
8	Rehabilitation of Vigyan Bhawan, Geology Dept and Registrar Bungalow	Dr. M.K. Shrimali, Dr. S.D. Bharti, Dr. P.V. Ramana	University of Rajasthan, University Engineer, Jaipur	258428	12.7.13
9	Vetting of Structural design & drawing of RCC ESR and CWR (Package-II slum relocation)	Dr. S.D. Bharti, Dr. M.K. Shrimali, Dr. P.V. Ramana	Executive Engineer (PDC-II) JDA, Jaipur Reference M/s B.L. Mehta Constructions	117978	15.7.13
10	Proof Checking of Design & Drawings of RCC SR 280kL and RCC CWR 570 kL at affordable housing	Dr. Vinay Agrawal, Mr. Rajesh Gupta Dr. S. Khandelwal	Ms/ Regency Buildhome LLP, Jaipur	56180	12.7.13



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	scheme at Shyampura Buharia, Vatika Road, Dist. Jaipur				
11	Proof Checking of Design & Drawings of RCC SRs, 200kL/20, 200 KL/18 m, 275 KL/18 m and RCC 240 KL/18 m at RWSS Madhogarh, Hardia and Chichroli respectively.	Dr. R.C. Gupta, Dr. Rajesh Gupta, Dr. S.K. Tiwari	Executive Engineer, PHED, division, Khetri	56180	12.7.13
12	Vetting of structural design & drawing of trauma center, Gas Bank, water tank and steel truss	Dr. M.K. Shrimali, Dr. S.D. Bharti, Dr. P.V. Ramana	Rajendra Singh Bhamboo Infra Pvt. Ltd., Vaishali Nagar, Jaipur	112360	18.7.13
13	Proof Checking of Design & Drawings of ROB's at Km. 193.12 and Km. 204.55 on NH-79	Shri Rajesh Gupta, Dr. Vinay Agrawal, Dr. S. Chaudhary	Mr. Sanjeev Kumar Bhatnagar, M/s Chetak Tollways Limited, Sirsi road, Jaipur	252810	31.7.13
14	Structural audit of ESI building at Jaipur	Dr. S. Chaudhary, Shri Rajesh Gupta, Dr. Vinay Agrawal	Director, Medical & Health services, ESI Scheme, Laxmi Nagar, Ajmer Road, Jaipur	146068	30.7.13
15	Mix design of M-25 & M-30 grades and Proof Checking of Design & Drawings of RCC OHSR 250kL, 18 m at staging at RWSS Bhadarpur, Dist. Alwar	Dr. S. Chaudhary, Shri Rajesh Gupta, Dr. Vinay Agrawal	M/s Lahoty Buildcon P.L., Sukham, B-157-158, Scheme 10B, Gopalpura Bypass, Jaipur	96630	16.8.13
16	Vetting of design of sewage pumping station at Makarana	Dr. Y.P. Mathur, Dr. Gunwant Sharma, Dr. Sudhir Kumar	M/s Krushi Infra India P.L., Hyderabad	56180	31.8.13
17	Proof Checking of Design & Drawings of RCC CWR 920 kL	Dr. Vinay Agrawal, Dr. Y.P. Mathur, Shri Rajesh Gupta, Dr.	The Regional Manager, RIICO Ltd., Sikar	56180	26.8.13



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
		M.Choudhary			
18	Proof Checking of Design & Drawings of RCC SR 150 kL at Morija and 160 kL at Khorabisal, Dist. Jaipur	Dr. Vinay Agrawal, Dr. Ravindra Nagar, Dr. Y.P. Mathur, Dr. M. Choudhary	M/s Shri Shyam Constuction Co., Jaipur	56180	26.8.13
19	Vetting of structural Design & drawing, EWS Duplex Dwelling Units, Package-1 (G+!)	Dr. S.D. Bharti, Dr. M.K. Shrimali, Dr. M.K. Jat	X.En.(Rajeev Avas Yojana), Jaipur Municipal Corp., Jaipur	235956	5.9.13
20	Mix design of concrete grade M-25 and M-30	Dr. Arun Gaur, Dr. Pawan Kalla, Dr. Rajib Sarkar	Executive Engineer, CDBP, Project Div. III, PHED, Deeg	56180	26.8.13
21	Testing of steel reinforcement and mix design of M35 and M25	Shri Rajesh Gupta, Dr. S. Chaudhary, Ms. Putul Halder	S.E., PHED, Bisalpur Project Circle, Jal Bhawan, 2, Civil Lines, Jaipur	92136	4.9.13
22	Approval of engineering drawing and documents for 10, 15 & 10 mld sewage treatment plants at Sri Ganganagar, Raj.	Dr. Y.P. Mathur, Dr. Gunwant Sharma, Dr. Sudhir Kumar	SN Enviro-Tech Pvt. Ltd., New Delhi	224720	31.12.13
23	Proof Checking for RCC SR 125kL & 225 kL for NWR Project Ajmer [T-7]	Dr. Vinay Agrawal, Shri Rajesh Gupta, Dr. S. Chaudhary	RSB Projects Limited, Faridabad	56180	6.9.13
24	Proof Checking of design & drawing of Akelgarh, Kota project	Dr. Vinay Agrawal, Shri Rajesh Gupta, Dr. Y.P. Mathur, Dr. M. Chaudhary	Megha Engg. & Infrastructure Ltd., Jaipur	179776	6.9.13
25	Proof Checking of structural design & Drawings of ESR, CWR and small PH and inspection bungalow for CDBP	Shri Rajesh Gupta, Dr. Vinay Agrawal, Dr. Pawan Kalla	Project Incharge, M/s IVRCL, H.N. - 17, Gulmohar Lane, Hanuman Nagar, Sirsi Road, Jaipur	280900	21.9.13



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	water supply				
26	Vetting of structural design & drawing of crash barrier	Dr. M.K. Shrimali, Dr. S.D. Bharti, Dr. P.V. Ramana	Jain Construction Company, Jaipur	56180	28.8.13
27	Proof Checking of box section and drain for RSRDC projects	Dr. Ravindra Nagar, Dr. Vinay Agrawal, Shri Rajesh Gupta	Ms/ Varaha Infra Ltd., Rewari	56180	28.8.13
28	Job Mix formula for DBM & BC	Dr. B.L. Swami, Dr. J.K. Jain, Dr. Arun Gaur	Executive Engineer, RUSDIP, IPIU, Dholpur	56180	15.9.13
29	Vetting of step by step methodology for erection of precast slabs with the help of cranes on existing railway crossing at Ajmer Pulia	Shri Rajesh Gupta, Dr. S. Chaudhary, Dr. Vinay Agrawal	Delhi Metro Rail Corp. Ltd., P.N. 48, Geejgarh Vihar, Hawa Sarak, Jaipur -19	56180	2.9.13
30	Vetting of structural design & drawing of STP at Haryana Police Housing Corp., Panchukala	Dr. S.D. Bharti, Dr. M.K. Shrimali, Dr. Rajib Sarkar	Crystal Chemical and Engineers, B-25-26, RIICO Housing Colony, Road No. 1D, VKI, Jaipur	117978	5.9.13
31	Proof Checking of design of 100 bed MCH building, Alwar	Dr. A.K. Vyas, Dr. Vinay Agrawal, Ms. Putul Halder	Chief Engineer, M&H, Jaipur	112360	5.9.13
32	Geotechnical investigation for foundation design parameters for ICAI bhawan at Shiv valley, Bikaner	Dr. S.K. Tiwari, Dr. Rajib Sarkar	The Branch Chairman, Institute of Chartered Accounts of India, Bikaner	213484	9.9.13
33	Proof Checking of Design & Drawings of structures of ESR of Nagaur Lift Project-Phase- III	Dr. S. Chaudhary, Shri Rajesh Gupta, Dr. M. Choudhary	SPML Infra Limited, SPML House, Plot No. 65, Sector - 32, Institutional Area, Gurgaon - 122001, Haryana	123596	10.9.13
34	Mix design (M-35) Proof Checking of Design & Drawings of RCC SR 200 kL at	Dr. Vinay Agrawal, Dr. R.C. Gupta, Dr. Mahesh Jat,	M/s Ajay Pal Contractor, Alwar	56180	12.9.13



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	RWSS Boodhwal, Tehsil Behror, Dist. Alwar	Dr. M. Choudhary			
35	Vetting of Structural drawings of RCC SRs 200, 270, 375 kL at Dist. Dausa	Dr. Vinay Agrawal, Shri Rajesh Gupta, Dr. S. Chaudhary	M/s Shubham Construction, Dist. Dausa	56180	12.9.13
36	Appraisal of sewerage DPR	Dr. Y.P. Mathur, Dr. G. Sharma, Dr. Sudhir Kumar	V.K. Garg, Team Leader, RUIFDCO, Lal Kothi, Tonk Road, Jaipur	561800	21.09.13
37	Condition assessemnt of RCC ESRs at Kishangarh (Ajmer)	Dr. S.D. Bharti, Dr. M.K. Shrimali, Dr. P.V. Ramana	Executive Engineer, PHED, Division, Kishangarh	97753	15.9.13
38	Proof checking of structural drawings of upper and lower basement of approx. 1.25 lac sq. ft. built up areas of proposed building within high court premises	Dr. S. Chaudhary, Shri Rajesh Gupta, Ms. Putul Halder	Horizon Infradesigns Pvt. Ltd., 4, Royal Nagar, Tonk Road, Jaipur	224720	16.9.13
39	Geotechnical investigation for foundation design parameters for cross regulator at RD 109 of I.G.M.C.	Dr. S.K. Tiwari, Dr. Rajib Sarkar	The S.E., WRD, Water Resource Circle, Hanumangarh	213484	9.9.13
40	Structural drawings of proposed international centre at Jhalana Doongri (ESTI campus), Jaipur	Dr. Ravindra Nagar, Dr. Vinay Agrawal, Shri Rajesh Gupta,	Executive Engineer, Pr.7, (RIC), JDA, Jaipur	1348320	5.10.13
41	Mix design of concrete grade M-25 and M-30	Dr. Arun Gaur, Dr. Pawan Kalla, Dr. Sandeep Chaudhary	Satish Malpani, "A Class Contractor, 2/108 Royal Green Apartment, Sirsi Road, Jaipur	56180	15.10.13
42	Mix design of concrete grade M-25 and M-35	Dr. R.C. Gupta, Shri Rajesh Gupta, Dr. Vinay Agrawal	Golden Dunes Colonizers Pvt. Ltd., Jaipur	56180	15.10.13
43	Proof checking of structural design and drawings of Girls	Shri Rajesh Gupta, Dr. S. Chaudhary, Dr.	M/s Design Architects, C-122, 1, Braj Shanti,	56180	27.9.13



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	Hostel and Dining hall/ Mess Block at Technical University, Kota	Vinay Agrawal	Mangal Marg, Bapu Nagar, Jaipur		
44	Mix design of concrete grade M-25 and M-30 for RCC work for construction of New Mini Secretariat at Alwar	Dr. S. Chaudhary, Dr. Arun Gaur, Dr. Rajib Sarkar	SAM (India) Built Well Pvt. Ltd.435, Jagriti Enclave, Vikas Marg Extension, Delhi - 110092	112360	27.9.13
45	Mix design (M35) & Proof Checking of Design & Drawings of RCC SR 130 kL at Bassi, Dist. Jaipur	Dr. Vinay Agrawal, Dr. Pawan Kalla, Dr. Arun Gaur	M/s Sonal Construction Company, K. Renwal, Jaipur	56180	24.9.13
46	Design of Masonry moat walls Bharatpur fort, Bharatpur	Dr. A.K. Vyas, Dr. Rajib Sarkar, Ms. Putul Halder	Superintending Archaeologist, ASI, Jaipur	191012	28.9.13
47	Mix design (M-35) and Proof Checking of Design & Drawings of RCC SR 100, 190, 200 2,50 & 320 kL at Neem Ka Thana, Dist. Sikar	Dr. Vinay Agrawal, Dr. Ravindra Nagar, Shri Rajesh Gupta, Dr. S. Chaudhary	Jai Shree Shyam Borewell Co., Neem Ka Thana, Dist. Sikar	84270	3.10.13
48	Mix design (M-30 & 35) of SRs GLR and Proof Checking of Design & Drawings of RCC SR 230 & 240 kL at Dist. Alwar	Dr. Vinay Agrawal, Dr. Pawan Kalla, Dr. Sumit Khandelwal	M/s Ajay Pal Contractor, Alwar	78652	3.10.13
49	Vetting of structural Design & drawing of RCC ESR (300 kL) at Jaisinghpura, Jaipur	Dr. S.D. Bharti, Dr. M.K. Shrimali, Dr. P.V. Ramana	Gulshan Rai Jain - II, N-29, Adinath Nagar, Opp. WTC, Jaipur	61798	30.9.13
50	Vetting of structural design of cup-lock shuttering meant for lecture theatre complex	Dr. S.D. Bharti, Dr. M.K. Shrimali, Dr. P.V. Ramana	S.K. Construction, 30 Mahaveer Nagar-II, Durgapura, Jaipur	61798	30.9.13
51	For the work of road and RCC culvert at I/A Raila, Dist., Bhilwara	Dr. B.L. Swami, Dr. J.K. Jain, Dr. Arun Gaur	The Regional Manager, RIICO Ltd., Pur Road, Bhilwara	56180	30.9.13
52	Review of design & technical guidance for the work of construction of drains	Dr. B.L. Swami, Dr. J.K. Jain, Dr. Arun Gaur	The Sr. Regional Manager, RIICO Ltd., EPIP, SIA, Jaipur	56180	30.9.13



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	and approaches at I/A Ramchandrapura (Sitapura Ext.), Jaipur				
53	Geotechnical investigation for RCC OHSR (Capacity 400 KL/18 m) & CWR Capacity 150 KL) at RWSS Doojod Tehsil, Sikar	Dr. S.K. Tiwari, Dr. Y.P. Mathur, Dr. Rajib Sarkar	M/s Panwar Tubewell Company, Bajaj Road, Sikar	78652	10.7.13
54	Geotechnical investigation for RCC OHSR at Katarathal (Capacity 300 KL/18 m), Sikar	Dr. S.K. Tiwari, Dr. Y.P. Mathur, Dr. Rajib Sarkar	M/s Gadhawal Tubewell Company, Katarathal, Sikar	78652	10.7.13
55	Vetting of structural design & drawing of four lanes ROB in lieu of RUB B-72 at Jodhpur	Dr. S.D. Bharti Dr. M.K. Shrimali, Dr. Rajib Sarkar	R.R. Mohanty, Vice President India International Infrastructure Engineers Ltd., (IIE), Bangalore	561800	20.10.13
56	Checking of Design & Drawings of RCC OHSRs 250, 400, 500, 600, 750, 800 & 1000 kL capacity for Bungi Rajgarh WSP	Dr. Vinay Agrawal Dr. Ravindra Nagar, Shri Rajesh Gupta, Dr. S. Chaudhary	L&T Construction, Bungi Rajgarh	117978	11.9.13
57	Proof Checking of Design & Drawings of RCC Sr 175 kL, and RCC CWR 340 kL at Affordable Housing, Omaxe City, Ajmer Road, Jaipur	Dr. Vinay Agrawal, Shri Rajesh Gupta, Dr. Y.P. Mathur Dr. M. Choudhary	Shiv Shakti Realhome Pvt. Ltd., Ajmer Road, Jaipur	56180	15.10.13
58	Alignment of centre line at Amanishah Nallah, Jaipur	Dr. B.L. Swami, Dr. Y.P. Mathur, Dr. Gunwant Sharma,	Executive Engineer, Zone-7, JDA, Jaipur	110300	31.10.2013
59	Testing of Fe 500 steel bars	Shri Rajesh Gupta, Dr. Pawan Kalla	Mr. V.K. Sharma, JNU Medical PMC Office, Jagatpura, Jaipur C/o Vineet Gupta & Consultants, Apex Mall, Tonk Road, Jaipur	56180	15.10.13
60	Mix design and testing	Dr. Vinay	Sr. Project	112360	24.10.2013



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	of materials for integrated Taranagar-Jhunjhunu-Sikar-Khetri Drinking water supply project, PKG-1, PHED, Raj.	Agrawal, Dr. Sudhir Kumar, Dr. Y.P. Mathur Dr. Arun Gaur	Manager, NCC Limited C/o The Additional Chief Engineer, PHED Region Bikaner (Raj.)		
61	Vetting of structural design & drawing of SMSM Medical College Girls Hostel, Jaipur	Dr. M.K. Shrimali, Dr. S.D. Bharti, Dr. P.V. Ramana	K.S. Creation, G-18, Bapuji Marg, Behind IOC Pump, Sahakar Marg, Jaipur	56180	19.10.13
62	Mix design (M35) and Proof Checking of OHSR 250 kL WSS Lawan, Dist. Dausa	Dr. Vinay Agrawal, Dr. Pawan Kalla, Dr. M. Choudhary, Dr. S. Chaudhary	M/s Ummaid Kumar Meena, Dausa	56180	28.10.13
63	Mix design (M-30) and Proof Checking of Design & Drawings of RCC SR 350 kL at tehsil Buhana, Dist. Jhunjhunu	Dr. Vinay Agrawal, Dr. M.K. Jat, Dr. M. Chaudhary, Dr. R. Nagar,	M/s Rajaram Bishnoi, Contractor, Jodhpur	56180	28.10.13
64	Mix design (M-35) and Proof Checking of Design & Drawings of RCC SR 140 kL at Majra, Dist. Alwar	Dr. Vinay Agrawal, Dr. Y.P. Mathur, Dr. Arun Gaur Dr. R.C. Gupta	M/s Rajendra Singh Contractor, Jhunjhunu	56180	28.10.13
65	Structural audit of ESIC dispensary Bhilwara & Jodhpur and Branch office Bikaner & Bharatpur	Dr. S. Chaudhary, Dr. Vinay Agrawal, Dr. M. Choudhary	Director, Regional Office, ESIC, Panchdeep Bhavan, B.S. Marg, Jaipur	584272	21.12.13
66	Structural audit of ESIC dispensary Bhawani Mandi	Dr. S. Chaudhary, Dr. Vinay Agrawal, Mr. Rajesh Gupta	Dy. Director, Regional Office, ESIC, Panchdeep Bhavan, B.S. Marg, Jaipur	146068	21.11.13
67	Structural audit of ESIC dispensary Udyog Nagar, Kota	Dr. Vinay Agrawal, Mr. Rajesh Gupta Dr. Y.P. Mathur	Dy. Director, (PMD) Regional Office, ESIC, Panchdeep Bhavan, B.S. Marg, Jaipur	146068	21.11.13
68	Proof Checking of Design & Drawings of RCC SR of capacity	Shri Rajesh Gupta, Dr. S. Chaudhary Dr.	M/s Panwar Tubewell Company, Bajaj	56180	6.11.13



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	400 kL Mix design of M-35 grade of concrete for RWSS Doojod, Dist. Sikar	R.C. Gupta	Road, Sikar		
69	Proof Checking of Design & Drawings of RCC SR & RCC CWR 110 kL at Kalwad Road, Dist. Jaipur	Dr. Vinay Agrawal, Sh. Rajesh Gupta, Dr. M. Chaudhary, Dr. M.K. Jat	M/s Khushboo Engg. & Electricals, Jaipur	56180	6.11.13
70	Mix design (M-30) and Proof Checking of OHSR 250 & 750 kL at Dist. Jaipur	Dr. Vinay Agrawal, Dr. R. Nagar, Dr. M. Chaudhary, Dr. Y.P. Mathur	M/s Kailash Chand Choudhary	56180	Ongoing
71	Mix design (M-35) and Proof Checking of OHSR at Bassi Joigon & Alwar in reference to work roder No. 4311-4314 and 4307-4310 of SE PHED Circle, Alwar	Dr. S. Chaudhary, Shri Rajesh Gupta, Ms. Putul Halder	Assistant Engineer, PHED, Sub. Division - Thanagaji	56180	7.11.13
72	Proof checking of design of cross regulator at Rd. 190.00 of I.G. main canal	Dr. S. Chaudhary, Dr. R.C. Gupta, Dr. A.S. Jethoo, Dr. M. Choudhary	Executive Engineer Water Resource Division, Rawatsar	168540	7.11.13
73	Mix design of concrete M-20, M-25, M30 for Bungi Rajgarh WSP	Dr. Rajib Sarkar, Dr. Pawan Kalla, Dr. Arun Gaur	Project Manager, Bungi Rajgarh WSP Package - II	84270	7.12.13
74	Vetting of Structural Drawings of Rajiv Awas Yojana Flats (G+3)	Dr. Vinay Agrawal, Dr. R. Nagar, Dr. Rajib Sarkar	M/s Anurag Enterprises, Mansarovar, Jaipur	56180	14.11.13
75	Mix design (M30) and Proof Checking of OHSR 115 kL at Naraina, 380 & 220 kL at Hornoda Maheshwas and 100 & 250 kL at Gothara	Dr. Vinay Agrawal, Sh. Rajesh Gupta, Dr. M. Chaudhary, Dr. M.K. Jat	M/s Yadav Construction Company, Jaipur	84270	15.11.13
76	Proof checking of design for road work	Dr. B.L. Swami, Dr. Sudhir Kumar,	M/s Laxmi Narayan Agarwal, 1/513, Vidhyadhar Nagar,	56180	20.11.13



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
		Dr. Vinay Agrawal	Jaipur		
77	Vetting of structural Design & drawing of 3 blocks of BD Agarwal Medical college Sri Gangagnagar	Dr. M.K. Shrimali, Dr. S.D. Bharti , Dr. P.V. Ramana	PNT Designs Pvt. Ltd, 27/10, Kalawati Market, Kota	224720	12.11.13
78	Proof Checking of design & drawings of RCC SR 315, 400 kL and RCC CWR 200 kL at Dist. Bharatpur	Dr. Vinay Agrawal, Sh. Rajesh Gupta, Dr. Y.P. Mathur, Dr. Mahender Choudhary	M/s Narsi Prasad Singhal Karauli	56180	18.11.13
79	Mix design (M30) and Proof Checking of OHSR 100 & 140 kL at Khetri Dist. Jhunjhunu	Dr. Vinay Agrawal, Sh. Rajesh Gupta, Dr. S. Chaudhary, Dr. M. Choudhary	M/s Durga Construction Company, Jaipur	56180	18.11.13
80	Proof Checking of design and drawings of boundary wall with their allied works	Rajesh Gupta, Dr. S. Chaudhary, Dr. Vinay Agrawal	M/s NSC Projects P.L., L-87, Street No. 7C, Mahipalpur Exten., New Delhi - 110037	56180	13.11.13
81	Vetting of Structural design & drawing of steel bridge for pipe line from intake well to head works at river bank at Kalisindh dam, Jhalawar	Dr. S.D. Bharti Dr. M.K. Shrimali, Dr. Rajib Sarkar	Superintending Engineer (Civil), Kalisindh Thermal Power Project, Jhalawar	247192	25.11.13
82	Proof Checking and Mix design (M35) for construction of RCC OHSR at Katarathal (Capacity 300 KL/18 m)	Dr. S.K. Tiwari, Sh. Rajesh Gupta, Dr. Arun Gaur	M/s Gadhawal Tubewell Company, Katarathal, Sikar	56180	18.11.13
83	Geotechnical investigation for RCC OHSR's Reengus Road, Chomu	Dr. S.K. Tiwari, Dr. Rajib Sarkar, Dr. Y.P. Mathur	M/s International Tubewell Company, Reengus road, Chomu, Jaipur	78652	24.11.13
84	Concrete mix design (M-30)	Dr. S.D. Bharti Dr. M.K. Shrimali	B.L. Mehta Construction Pvt. Ltd., Chandigarh	61798	25.11.13
85	Structural audit of	Dr. Vinay	Dy. Director, ESIC,	146068	5.12.13



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	ESIC Dispensary No. 1, Ajmer	Agrawal, Dr. Sandeep Chaudhary, Dr. Ravindra Nagar	Laxmi Nagar, Ajmer Road, Jaipur		
86	Proof checking of design of MW tower for wind speeds of 39, 47 & 50 m/s	Dr. Ravindra Nagar, Dr. Vinay Agrawal, Dr. R.C. Gupta	M/s MRIC Engineers India P.L., Jaipur	56180	5.12.13
87	Concrete Mix design for (M25 & M30) for project Ananta Jagat at Bhiwadi	Dr. Arun Gaur, Prof. Sudhir Kumar, Sh. Rajesh Gupta	Director, Renaissance Buildhome Pvt. Ltd., Jahawar Circle, Jaipur	56180	31.12.13
88	Appraisal of sewerage DPR	Dr. Y.P. Mathur, Dr. Gunwant Sharma, Dr. Sudhir Kumar	RUIFDCO Ltd., Jaipur	112360	13.12.13
89	Proof checking for structure of cantilever and OHG	Dr. S. Khandelwal, Dr. S. Chaudhary, Dr. Putul Halder	Sam's HR Services P.L., 302, Neelkanth Plaza, Pitampura, New Delhi - 34	57304	9.12.13
90	Proof checking for 18 div. building for Kota MES	Dr. S. Khandelwal, Dr. S. Chaudhary, Dr. Putul Halder	Parshi Training & Technical Services P.L., Pink Tower, Tonk Road, Jaipur	117978	13.12.13
91	Checking of Design & Drawings of RCC ESRs 100, 200, 250, 400, 500, 550, 750, & 800 kL capacity for Taranagar Jhujhunu Sikar Khetri WSP	Dr. Vinay Agrawal, Dr. Ravindra Nagar, Dr. R.C. Gupta, Sh. Rajesh Gupta	L&T Construction, Chennai	168540	12.1.2.13
92	Checking of Design & Drawings of RCC ESRs 100, 200, 250, 400, 500, 550, 750, & 800 kL capacity for Ratangarh Sujangarh WSP	Dr. Vinay Agrawal, Dr. Sudhir Kumar, Dr. S. Chaudhary, Dr. M. Choudhary	L&T Construction, Chennai	224720	16.12.13
93	Mix Design for RC grade M- 35	Rajesh Gupta, Dr. S.	Exe. Eng. Water Resources Division,	56180	Ongoing



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
		Chaudhary, Dr. R.C. Gupta	Rawatsar		
94	Mix design M35 grade for construction of RCC structure at village Khoda (IGNP) Hanumangarh	Dr. S.K. Tiwari Dr. Pawan Kalla Dr. R.C. Gupta	M/s Dayanand Contractor, V.P.O Kharanthi (Rohtak)	56180	Ongoing
95	Mix design of Concrete (M20 and M30) for construction of CD works on Banas river (107/500 to 110/0)	Dr. Pawan Kalla Dr. Vinay Agarwal Dr. S. Choudhary	Assistant Engineer, PWD-Division II, Sawai Madhopur	56180	Ongoing
96	Proof checking of commercial tax, excise, registration and tribunal building at Naya Raipur, Raipur	Dr. M.K. Shrimali Dr. S.D. Bharti Dr. P.V. Ramana	Chief Engineer (Engg), NRDA Raipur (CG)	2,80,900	Ongoing
97	SBC Test (Geotechnical investigation) for construction of underground parking at Udyog Bhawan, Jaipur	Dr. S.K. Tiwari Dr. Rajib Sarkar Dr. Y.P. Mathur	M/s Rajasthan State Industiral Development & Investment Corporation Ltd., Udyog Bhavan, Tilak Marg, Jaipur	337080	Ongoing
98	Vetting of Sewage Pumping Station Design and Drawing	Dr. Y.P. Mathur Dr. Gunwant Sharma Dr. Sudhir Kumar	UEM India Pvt. Ltd. Noida	56180	Ongoing
99	Proof checking of OHSR and Mix Design for M-35 Grade of Concrete Location: Ghatra Berdi Campus (Todabhim) & Aruna Mata Bagore	Dr. S. Chaudhary Mr. Rajesh Gupta, Dr. Pawan Kalla	GA infra Pvt. Ltd., 402, Fourth Floor, Man Upasana, Sardar Patel Marg, C-Scheme, Jaipur	56180	Ongoing
100	Proof checking of Design and Drawing of ESR of Nagaur Lift. Project- Package-III at Snakhwas, Harslow, Roon, Ran and Moondwa	Dr. S. Chaudhary Mr. Rajesh Gupta, Dr. R. Nagar	SPML Infra Limited, SPML House, Plot No. 65, Sector - 32, Institutional Area, Gurgaon - 122001, Haryana	56180	Ongoing
101	Proof checking of structural Drawings of CISF Barrack Building	Dr. Vinay Agrawal Sh. Rajib Sarkar	M/s Horizon Infradesigns Pvt. Ltd. Jaipur	112360	Ongoing



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	(G+3) at Ahmedabad (Guj.)	Dr. Sandeep Chaudhary Sh. Rajesh Gupta			
102	Proof Checking of Design and Drawing of Minor Bridge at KM 35+250 of Kishangarh Bas-Khairthal-Bansur-Kotputli road from km 27/500 to 62/000 package-2 along with design and drawings	Prof. R.Nagar Dr. Sandeep Chaudhary Dr. R.C. Gupta	VARHA INFRA LTD. House No. 705-B, R.K. Puram, Kota, Rajasthan-324005	112360	Ongoing
103	Proof Checking of Design and Drawing of Minor Bridge at KM 79+840 of Kota-Dhanrwada Road (SH-51) for Km 71/000 to 111/000 package 2	Prof. R.Nagar Dr. Sandeep Chaudhary Dr. R.C. Gupta	VARHA INFRA LTD. House No. 705-B, R.K. Puram, Kota, Rajasthan-324006	168540	Ongoing
104	Vetting of Structural Design & Drawing of ITI (RC Frame building) at Kho-Nagorian Jaipur	Dr. S.D. Bharti Dr. M.K. Srimali Dr. P.V. Ramana	Swastik Constructions, D-12, Dev Nagar, Tonk Road, Jaipur	89888	Ongoing
105	Mix Design M25 & M30 for work of RWSS of 173 Villages and their dhanies of tehsil Phulera under Bisalpur Dudu WSP	Dr. Vinay Agarwal Dr. S.K. Tiwari Dr. Mahendra Chaudhary	Ex. En. Dudu Tonk Uniara Project, Div-II, PHED, Dudu	56180	Ongoing
106	Proof Checking of Iconic gateway 40m high (Monumental Structure) and Bus Stand (G+2) in Nathdwara	Prof. R.Nagar Dr. Sandeep Chaudhary Dr. R.C. Gupta	Miraj Developers Ltd. 1st floor, Miraj House, Punchwati, Udaipur	280900	Ongoing
107	Prof checking of three RCC OHSR and Concrete Mix Design for grade M-30	Rajesh Gupta Dr. Sandeep Chaudhary Dr. Vinay Agarwal	Executive Engineer, PHED, City Circle Bharatpur	61798	Ongoing
108	Building Material Testing for Dairy Plant Khetri (Jhunjhunu)	Dr. Vinay Agarwal Dr. Arun Gaur Dr. Pawan Kalla Sh. Rajesh Gupta	The Resident Engineer II, RAVIL Jaipur	56180	Ongoing
109	Mix Design (M35) and	Dr. Vinay	M/s Lodwal	56180	Ongoing



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	Proof Checking of OHSR 300 kl at Rajgarh, Dist Alwar	Agarwal Dr. Sudhir Kumar Dr. Sandeep Chaudhary Dr. Mahendra Chaudhary	Construction Company		
110	Testing of Building Material for Nagar Parishad office building at Sikar	Dr. Arun Gaur Dr. Sudhir Kumar Dr. Vinay Agarwal	Resident Manager- II RAVIL Jaipur	56180	Ongoing
111	Mix Design M-30 and proof checking of design and drawing of RCCSR 100, 150, 180, 220 kL at Dist. Jhunjhunu	Dr. Vinay Agarwal Sh. Rajesh Gupta Dr. Y.P Mathur Dr. Mahendra Chaudhary	M/s Shri Jugal Construction & Suppliers	73034	Ongoing
112	Mix Design M-30 and proof checking of design and drawing of OHSR 225 kL at WSS Bilawa, Tehsil Khetri Dist. Jhunjhunu	Dr. Vinay Agarwal Dr. Sudhir Kumar Dr. Ravindra Nagar Dr. Mahendra Chaudhary	M/s Aditya Construction Co.	56180	Ongoing
113	Proof Checking of Design & Drawing of RCC Box (underpass) and retaining walls, Dist. Bharatpur	Dr. Vinay Agarwal Dr. Ravindra Nagar Dr. R.C. Gupta Sh. Rajesh Gupta	The Team Leader (i/c) IPMC	134832	Ongoing
114	Railway Rest room, battery room & generator room, proof checking	Dr. Sumit Khandelwal Dr. Sandeep Chaudhary Dr. Putul Haldar	Brijbihari Agarwal, Railway Contractor, Gudha Katla Road Bandikui, Daussa	56180	Ongoing
115	Quality assessment of for KV Bagalkot (Karnataka State)	Dr. A.S. Jethoo Dr. Sandeep Chaudhary Dr. Rajesh Gupta	Hindustan steel works construction Ltd. 12, Mahatma Gandhi Road, Bangalore - 560001	112360	Ongoing
116	Proof Checking of structural drawing of MIG-B (B+S+9) Flats at Sector-8, I.G. Nagar	Dr. Vinay Agarwal Dr R. Nagar Dr. Sandeep	The Resident Engineer RHB Division-XI, Jaipur	146068	Ongoing



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	Jaipur	Chaudhary Dr.Rajesh Gupta			
117	Proof Checking of structural Design of boys hostel at RTU Kota	Dr. M.K. Shrimali Dr. S.D. Bharti Dr. P.V. Ramana	N M roof Designers Ltd. Jaipur	56180	Ongoing
118	Design Report of Engineering College at Jaipur	Dr. M.K. Shrimali Dr. S.D. Bharti Dr. P.V. Ramana	Shree Precast (India) Pvt. Ltd.	112360	Ongoing
119	Vetting of structural design & drawing of precast storm water drain	Dr. S.D. Bharti Dr. M.K. Srimali Dr. Rajib Sarkar	Engineering Projects (India) Ltd. Core-3, Scope Complex, 7- Lodhi Road New Delhi-93	123596	Ongoing
120	Proof checking of design of 9 ESR and 3 CWR of Bisalpur Uniyara Tonk Deoli Water supply project (Pkg II)	Dr.Rajesh Gupta Dr R. Nagar Dr. Vinay Agarwal	Project Manager, Gammon India Ltd., P.O. Box No.9129, Prabhadevi, Mumbai 400025	134832	Ongoing
121	Design Mix of Grade M-25	Dr.Rajesh Gupta Dr Arun Gaur Dr. Vinay Agarwal	Dy. Manager, Crompton Greaves Limited, Tower A, Cyber-Green, Sector 25-A, DLF Phase- III, Gurgaon, Haryana	56180	Ongoing
122	Testing of Steel Bars (TMT Fe- 500) for project of construction of mini secretariat Alwar.	Dr. Sandeep Chaudhary Dr R. Nagar Dr.Rajesh Gupta	Resident Manager- II RAVIL Unit-II, Jaipur	56180	Ongoing
123	Proof Checking of two RCC OHSR and Concrete Mix Design for grade M-30	Dr.Rajesh Gupta Dr. Sandeep Chaudhary Ms. Putul Halidar	Executive Engineer, PHED, City Division Bharatpur	56180	Ongoing
124	Consultancy for quality monitoring & stage verification for work of planning, design & execution of modern warehousing facilities in Rajasthan at Bandikui (Distt. Dausa), Mandalgardh	Prof. R.Nagar Dr. Sandeep Chaudhary Dr. R.C. Gupta	Rajasthan State Warehouse Corp., Bhawani Singh Road, Jaipur	337080	Ongoing



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	(Distt. Bhilwara) Chittorgarh (Distt Chittorgarh), Loonkaransar (Distt Bikaner), Atru (Distt Baran) Ridmalsar (Sriganganagar), RamSinghpur (Sriganganagar)				
125	Quality Assessment of for KV Bagalkot (Karnataka State)	Dr. A.S. Jethoo Dr. Sandeep Chaudhary Dr. Rajesh Gupta	Hindustan steel works construction Ltd. 12, Mahatma Gandhi Road, Bangalore – 560001	112360	Ongoing
126	Testing of road work material for BPCL Jaipur people line terminal	Dr. B.L. Swami, Dr. J.K. Jain, Dr. Arun Gaur	The project Leader (Jaipur Pipeline Terminal) BPCL, KJPL Project office SIA, Sanganer - 302022 Jaipur	56180	Ongoing
127	Vetting structural design of Mini Secretariat at Alwar	Prof. R.Nagar Dr. Sandeep Chaudhary Dr. R.C. Gupta	Rajasthan Avias Vikas & Infrastructure Limited, Unit-II Jaipur campus MNIT, Malaviya Nagar Jaipur	1123600	Ongoing
128	Mix Design (M35) and Proof Checking of RCC SR 100kl at Torda and Bairawanda, Tehsil Sikrai Dist. Dausa	Dr. Vinay Agarwal Dr. Sandeep Chaudhary Dr. Y.P. Mathur Dr. R.C. Gupta	M/s Mohit Construction Company	56180	Ongoing
129	Mix Design M15, M40, M45 and M30	Dr. Vinay Agarwal Dr. Arun Gaur Sh. Rajesh Gupta	M/s GR Infra Project Ltd. Udaipur for Garrison Engineer (P) Naliya -Kutch- 370655	123596	Ongoing
130	RCC ESRs 1550, 1190, 1110, 500, 420, 340, 330, 300, 295, 380, 270, 260, 250, 240, 220, 215, 210, 200,	Dr. Vinay Agarwal Dr. Sudhir Kumar Dr. R. Nagar	L&T Construction	449440	Ongoing



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
	190, 180, 170, 160, 155, 150, 145, 140, 130, 125, 120, 110, 90, 85, 80, 75, 65 kL and CWRs 2165, 1950, 1550, 1025, 110kl capacity for WSP Dist. Banswara	Dr. Mahendra Chaudhary			
131	Vetting of Structural Design & Drawing of Tourist Facility Centre (RC frame Building, G+3) at Charua Rasta	Dr. S.D. Bharti Dr. M.K. Shrimali Dr. P.V. Ramna	Executive Engineer (Housing-II) Jaipur Development Authority Jaipur	235956	Ongoing
132	Special Repair to Internal roads at FSD Kherli District Alwar	Dr. B.L. Swami, Dr. Mahendra Chaudhary Dr. Arun Gaur	The A.G.M. (Civil) Food Corporation of India Regional Office, Jaipur	56180	Ongoing
133	Proof Checking of Structural Design of Multistoried residential apartment located at Sun- City, Jaipur- Bikaner Highway Jaipur	Dr. Sandeep Chaudhary Dr R. Nagar Dr.Rajesh Gupta	Apeksha Infraprojects (P) Ltd. 403, Alankar Plaza Central Spine Vidyadhar Nagar Jaipur	1123600	Ongoing
134	Proof checking of Design & Drawing of office building and 04 Nos. (type-V) officer quarter for ITAT at G-4, C-scheme, Jaipur	Dr R. Nagar Dr. Vinay Agarwal Dr.Rajesh Gupta	The Executive Engineer, JCD-I, CPWD, Jaipur	280900	Ongoing
135	Proof checking of Launching Girder Design & Drawing	Dr R. Nagar Dr. Vinay Agarwal Dr. Sandeep Chaudhary	The Executive Engineer, Project-I, JDA Jaipur	224720	Ongoing
136	Testing of Soil and Aggregate	Prof B.L. Swami Dr. Arun Gaur Prof. Sudhir Kumar	Manager Civil, Airport Authority of India	56180	Ongoing
137	Consultancy charges of conducting Traffic Survey at I/A Pathredi, Bhiwadi	Dr. B.L. Swami Dr. J.K. Jain Dr. Arun Gaur	The Asstt. Regional Manager RIICO, RIICO Chowk, Distt. Bhiwadi,	56180	Ongoing



S. No.	Name of Project	Team Members	Client Name	Outlay (in Rs.)	Date of Completion
			Alwar		
138	Consultancy Charges of WMM of DAC mix design	Prof B.L. Swami Prof. Sudhir Kumar Dr. Arun Gaur	Mr. Puneet Udawat, Asstt. Manager (Civil) Airport Authority of India Jaipur Airport, Jaipur	56180	Ongoing
139	Mix Design (M30) and Proof Checking of structural design & drawings of RCC SR 200 & 300kl at tahsil Dudu Dist. Jaipur	Dr. Vinay Agrawal Dr. Sudhir Kumar Dr. Ravindra Nagar Dr. Mahendra Chaudhary	Kumawat & Company Dist. Jaipur	56180	Ongoing
140	Mix Design (M35) and Proof Checking of RCC SR 200kl at Ghoomna Tehsil Sikrai, Distt. Dausa	Dr. Vinay Agarwal Dr. Sandeep Chaudhary Dr. Mahendra Chaudhary Dr. R.C. Gupta	M/s Shiv Charan & Company, Dausa	56180	Ongoing
141	Preparation of an Integrated Water Resources Management Plan for Khushkhera – Bhiwadi – Neemrana Investment Region	Prof. Rohit Goyal (PI) Dr. A.B. Gupta Dr. Sandeep Srivastava	Water Business Group CH2M HILL (India) Pvt. Ltd., Noida	7.5 lacs	Just Started

#### Testing (Carried Out in Year 2013-14):

S. No.	Name of The Lab	Total Amount (In Lacs of Rs.)
1.	Concrete Mix Designs	1.5 lacs
2	Road Material Testing Lab	10 lacs
3	Concrete lab	4.75 lacs



## DEPARTMENT OF CHEMICAL ENGINEERING

### Continuing Sponsored Research Projects (Started earlier than 1<sup>st</sup> April 2013):

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 a solar energy based membrane distillation system for rural drinking water application in Rajasthan	Prof. S.P. Chaurasia Prof. A.B. Gupta Dr. S. Upadhyaya Dr. G.D. Agarwal	CCDU, PHED Rajasthan	Govt.	10,22,400/-	Ongoing
2.	Membrane Integrated Modified Nalgonda Defluoridation Technique for drinking Water	PI: DrMadhuAgarwal CI: Dr Suja George, Dr. A. B. Gupta, Dr. S. P. Chaurasia	CCDU, Rajasthan	Govt.	15.90	Ongoing
3.	Defluoridation of Drinking water using Combination of Magnesium and Calcium amended activated alumina	PI: Dr Suja George; CI:Dr. A. B. Gupta, Dr. Urmila Brighu	DST Rajasthan	Govt.	11.524	Ongoing



### New Research Projects (Started in the Year 2013-14):

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Gov. /Specify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	Experimental and Modelling Studies on the Process Parameters Optimization of Nutrient Mist Reactor for Sustained Production of Hairy Growth	Dr. Manish Vashishtha	Department of Science and Technology, Govt. of Rajasthan	Govt.	9.64	Ongoing
2.	Hydrodynamic cavitation as intensifying tool for the treatment of petroleum crude and wastewater	V.K.Saharan	DST, India	Govt.	35.00	Ongoing



## DEPARTMENT OF COMPUTER ENGINEERING

Continuing Sponsored Research Projects (Started earlier than 1<sup>st</sup> April 2013):

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.	HiPER NIRGAM (UKIERI-Phase II )	MS Gaur, Vijay Laxmi and Prof. Mark Zwolinski, University of Southampton (UK)	UKIERI	Academic	30.00	Ongoing
2.	On-Chip Network Simulation Platform for Reliable, Accurate and Fast System Co-Design of Embedded and Multi-Core Systems	MS Gaur, Vijay Laxmi	DST	Central Government	28.00	Ongoing
3.	Countermeasures for Protocol Compliant Attacks in Mobile Adhoc Networks	Vijay Laxmi, MS Gaur,	DST	Central Government	17.00	Ongoing
4.	<i>Investigating the Source of the Spoofed Emails</i> from Uttarakhand Council for Science & Technology (UCOST) No. UCS&T / R&D / PHY SC.-05/12-13/6203/1	Dr. E. S. Pilli	DST	R&D(DST Project State Level)	Rs. 2.96	
5.	Urdu Corpus Development and Handwritten Text Recognition	Dr. Neeta Nain	DST	DST Govt of Rajasthan	8.524	Ongoing



### New Research Projects (Started in the Year 2013-14):

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.	Path and Spectrum-Aware Routing Protocol for Multi-radio and Multi-channel cognitive wireless mesh networks No. DST/TSG/NTS/2013 /26	Mr. Ramesh Babu Battula	DST	DST Project	60.858	Ongoing

### DEPARTMENT OF ELECTRICAL ENGINEERING

#### Continuing Sponsored Research Projects (Started earlier than 1<sup>st</sup> April 2013):

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 a National Transmission Network Tariff Framework	Dr. Rohit Bhakar	UGC	Govt.	5.24	Completed
2.	Development of a Networking Framework for Indian Power Distribution Utilities	Dr. Rohit Bhakar	DST	Govt.	12.5	Completed
3.	High Energy and Power Density (HEAPD) Solutions to Large Energy Deficits	Dr. Rohit Bhakar	DST	Govt.	115.50	Ongoing



### New Research Projects (Started in the Year 2013-14):

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.	A robotic Assistive Bio-mechanical study on Posture Deviation on Elderly and Remedies	Dr. Rajesh Kumar	DST	Govt.	19.0	Ongoing

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### Continuing Sponsored Research Projects (Started earlier than 1<sup>st</sup> April 2013):

S. No.	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Outlay (in Lacs of Rs.)	Completed / Ongoing
1.	New architectures of Elliptical Air Hole Photonic Crystal Fiber for ultra low Dispersion	Dr. Ritu Sharma (Dr. Santosh Chaudhary) (CO PI)	DST Rajasthan	2.00	Ongoing
2.	Urdu Corpus Hand Written Text Recognition Techniques	Dr. Ritu Sharma, Dr. Mushtaq Ahmad	DSTR Rajasthan	10.00	Ongoing

#### New Research Projects (Started in the Year 2013-14):

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.	Design and Development of Micro-structured Optical Components for Photonic Integrated Circuit (PICs) applications	Dr. Ghanshyam Singh	DST (India) – JSPS (Japan)	Govt. of India and Govt. of Japan	4.56 (Indian Component)	Ongoing



Continuing Consultancy Projects (Started earlier than 1<sup>st</sup> April 2013):

S. No.	Name of the Project	Team Members	Client	Outlay (in Lacs of Rs.)	Completed /Ongoing
1.	Simulation, design and Optimization of graphene CNT(carbon nanotubes)Isoporous membranes for water purification. ( Duration: 24 months).	Dr. Ritu Sharma, Dr. Neeta Nain, Dr. Santosh Chaudhry	Aquafil Polymers CO. Pvt. LTD. , Ahemdabad	1.00	
2	Design,Simulation and Optimization of Vertically Aligned Silicon Nanowire Solar Cell. (Duration: 24 months)	Dr. Ritu Sharma, Dr. Santosh Chaudhry, Dr. Neeta Nain	Chemtrols Industries Ltd. , Mumbai	1.00	
3.	Optimization of graphene CNT isoporous membranes for water purification	Dr. Ritu Sharma, Dr. Neeta Nain, Dr. Santosh Choudary	Aquafil polymers Co. Pvt. Ltd. Ahemdabad	1.00	Ongoing



## DEPARTMENT OF MECHANICAL ENGINEERING

Continuing Sponsored Research Projects (Started earlier than 1<sup>st</sup> April 2013):

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.	Indo-US JCERDC-CBERD: R&D for Energy efficiency in buildings	Dr. J. Mathur, Dr.Sanjay Mathur	Indo US Science and Technology Forum, DST, DOE-USA	Govt	568.00	Ongoing
2.	Work Motion and Time Study of MNREGA activities	Dr A Bharadwaj, Prof. M.P. Poonia, Dr.A.S.Jethoo	Govt. of Rajasthan	Govt	18.97	Completed
3.	Design & Development of low cost one way Abrasive Flow Machine (AFM) utilizing pulp & fullers earth based media	Dr. H S Mali	DST	Govt	12.49	Ongoing
4.	Experimental Study of Flat Plate Solar Collector (Direct absorption type) Using Nano-Fluids	Dr G D Agrwal	DST	Govt	12.00	Ongoing
5.	Development of a Solar Energy based Membrane Distillation System for Rural Drinking Water applications in Rajasthan	Dr G D Agrawal, Prof. A. B. Gupta, S. C. Chourasia	PHED Rajasthan	Govt	11.00	Ongoing
6.	Development of SVO operated micro-Tri-generation system for rural applications	Dr. Dilip Sharma, Prof. S. L. Soni	DST Rajasthan	Govt	3.70	Ongoing
7.	“Studies of Thumba (Citruillus Colocytis) Seed	Prof. S. L. Soni Prof. Dilip Sharma	DST Govt. of India	Govt	37.5	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.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
	Oil on Engine Performance, Combustion and Exhaust Emission Characteristics”					
8.	Customized Design and Development of Prosthesis Socket using Reverse Engineering and Rapid Prototyping	Dr. Amit Singh	MNIT seed grant	Govt.	10.00	Ongoing
9.	Effective Product Development through Integration of Reverse Engineering and Rapid Prototyping	Dr. Amit Singh	DST	Govt.	24.44	Ongoing





Continuing Sponsored Research Projects (Started earlier than 1<sup>st</sup> April 2013):

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.	Investigation of heat-transfer characteristic on nano-fluid in sub-cooled flow boiling	Dr. R. K. Duchaniya		BRNS	17.00	Ongoing
2.	Synthesis of ZnO-CdO nanocomposite for CO gas sensing	Dr. R. K. Duchaniya		DST Rajasthan	00.11	Ongoing
3.	Study of Metallurgical Aspects of Nitronic Steel for Under Water Part Applications	Prof. Ashok Sharma Prof. C. P. Sharma		Central Power Research Institute, Bangalore	28.80	Ongoing
4.	Development of Equation of State of Al <sub>2</sub> O <sub>3</sub> and ZTA materials	Prof. S. K. Biswas		BRNS GAP-0219	21.00	Completed
5.	Effect of Strain Induced Melt Activation (SIMA) Process on Microstructure and Properties of A356 Al Alloys	Prof. Ashok Sharma		UGC Networking Resource Centre for Materials IIScBangalore	00.90	Completed
6.	Testing of Gal volume sheet	Prof. Ashok Sharma Dr. R. K. Duchaniya		Dhanshree construction DRM(Works) NWR, Jaipur	00.17	Completed
7.	Non-Oxide Ceramic Based Advance Structural Materials for Application in Armors	Prof. S. K. Biswas		CSIR Network NWP0029	1450.00	Completed



8.	Design and Fabrication Capabilities for Very High Frequency Microwave Tubes	Prof. S. K. Biswas		CSIR Network NWP0024	4500.00	Completed
9.	Synthesis & Characterization of Nano-Crystalline Ni-p Coating on aluminium	Prof. Ashok Sharma Dr. R. K. Duchaniya		IE(I)	00.60	Completed
10.	Supply of AlN Tiles	Prof. S. K. Biswas		Ordnance Factory, Medak	01.66	Completed
11.	Development of discontinuously reinforced P/M aluminum composites for automotive & allied field	Prof. P.R. Soni Dr. Munan Mandira		MHRD	14.00	Completed
12.	To study the effect of Al-Ti-C Master Alloys on Grain Refinement Microstructure and Properties of Aluminium Foundry Alloys	Prof. Ashok Sharma		MHRD	10.00	Completed
13.	MODROB project for modernization corrosion laboratory	Dr. Munan Mandira		MHRD	07.00	Completed
14.	Modernization of Powder Metallurgy laboratory	Prof. P.R. Soni		MHRD	10.00	Completed
15.	RUIDP Projects work	Prof. Upender Pandel		Asian Techs Ltd., Jaipur	00.20	Completed
16.	Development of Aluminium-3%Titanium-0.15%Carbon	Prof. Ashok Sharma		IIF, National R&D Centre, Hyderabad	00.20	Completed



	Grain Refiner for Cast Aluminium-Silicon Alloys					
17.	Development of Aluminium-Titanium-Carbon Master alloy for the Grain Refiner of Cast Aluminium-Silicon Base Alloys	Prof. Ashok Sharma		Institution of Engineers (India), R&D project	00.30 lakhs	Completed
18.	Materials Selection for various Products and Solutions to other problems	Prof. A. K. Bhargava Dr. Y.V.S.S. Prasad		Sree Power Project/Sree Cement, Beawar	02.50	Completed
19.	Technical report on Manufacturing processes	Prof. A. K. Bhargava Dr. Y.V.S.S. Prasad		Jaipur Mineral Development Syndicate (P) Ltd., Jaipur	00.14	Completed
20.	Construction with regard to quality of materials	Prof. A. K. Bhargava Dr. Y.V.S.S. Prasad		Ramakrishna Contractor (P) Ltd., Jaipur	12.96	Completed
21.	Foundation Course in Met. Engg. to Graduate Engineer Trainees	Prof. A. K. Bhargava Dr. Y.V.S.S. Prasad		HZL Udaipur	04.34	Completed
22.	Power Consumption in Rolling Mills	Dr. Y.V.S.S. Prasad Prof. Upender Pandel		Commercial Taxes Dept., Jaipur	00.42	Completed
23.	Development of lab for advance coating by Plasma and Laser techniques,	Prof. Upender Pandel		MHRD	09.00	Completed
24.	Quality Upgradation of Aluminium Base Materials	Prof. Ashok Sharma		MHRD	06.00	Completed



	by Surface Treatment					
25.	Preparation and Densification of AlN powder	Prof. S. K. Biswas		DST	33.00	Completed
26.	Development of high strength Al-base alloys	Prof. Ashok Sharma		IIF, National R&D Centre, Bangalore	00.30	Completed
27.	Development of AlN armor tiles	Prof. S. K. Biswas		DRDO	14.00	Completed
28.	Study of tribological behavior of cast aluminium base alloys	Prof. Ashok Sharma		MHRD	00.60	Completed
29.	Development and Characterization of Continuous casting mould fluxes	Prof. Upender Pandel		AICTE	05.00	Completed
30.	Microwave as a probe to Estimate Metal in its Ore through the Study of Particulate Behavior of Basic Electronic Materials	Prof. Upender Pandel		DST, Rajasthan	02.88	Completed
31.	Development of Al alloys	Prof. P. R. Soni		UGC	0.30	Completed
32.	Matte-Slag Interaction and Copper losses during Flash Smelting	Prof. Upender Pandel Prof. H.N. Dharwadkar		Hindustan Copper Limited, Khetri	11.98	Completed
33.	R&D project on development & characterization of continuous casting mould fluxes	Dr. Munan Mandira		AICTE	05.00	Completed



New Consultancy Projects (Started in the current year)

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	Testing of quality of pipes	Dr. Vinod Kumar Mr. Krishna Kumar Prof. UpenderPandel Prof. A. K. Bharagava	PHED (Public health engineering department)	Government	01.01	Completed



## DEPARTMENT OF MANAGEMENT STUDIES

Continuing Sponsored Research Projects (Started earlier than 1<sup>st</sup> April 2013):

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.	Work Motion and Time Study of MNREGA activities	Dr A Bharadwaj, Prof. M.P. Poonia, Dr. A.Jethoo	Govt. of Rajasthan		18.97	Ongoing

New Research Projects (Started in the Year 2013-14):

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.	"Determinants of Working Capital Management Practices After Global Financial Crisis in Indian Companies: Behavioral Finance Approach	Dr. Satish Kumar	ICSSR, New Delhi	Government	7.00	Ongoing



## DEPARTMENT OF PHYSICS

Continuing Sponsored Research Projects (Started earlier than 1<sup>st</sup> April 2013):

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.	SnO <sub>2</sub> based Microwave Sintered Combustible Gas Sensors: Study of Grain Size Effect in Enhancing the Gas Sensing Behaviour	Prof. S. K. Sharma	BRNS (Project sanction no. 2010/34/32/B RNS/2063)	Govt. of India Department of Atomic Energy	24.23	Ongoing
2.	Development of efficient polymer-fullerene based bulk heterojunction organic solar cells using noble metal nanoparticles	Dr. Rahul Singhal	DST New Delhi (DST INSPIRE Faculty Project)	R&D/Govt.	35.00	Ongoing
3.	Block copolymer based nanoporous membranes: Engineering and applications	Dr. Kamalendra Awasthi	DST-New Delhi	Govt	83.00	Ongoing

New Research Projects (Started in the Year 2013-14):

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.	Tuning the structural, optical and electrical properties of Au nanocrystals embedded in dielectric oxide layers for nonvolatile memory applications	Dr. Srinivasa Rao Nelamarri	SERB, New Delhi	R&D/ Govt	23.20	Ongoing





## DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCE

Continuing Sponsored Research Projects (Started Earlier Than 1<sup>st</sup> April 2013)

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.	<b>Politics of Alienation and Secessionism in North-Eastern India</b>	Dr. Vibhuti Singh Shekhawat ( Principal Investigator)	ICSSR, New Delhi	Under HRD Ministry	4.00	Ongoing

### 11.4 FACULTY POSITIONS

#### (a) Academic Staff

S.No.	Designation	Sanctioned Strength	In position (On 31.3.2014)
1	Director	1	1
2	Professor	44	43
3	Associate Professor/Reader	87	60
4	Assistant Professor	175	80



## 11.5 ADMINISTRATIVE STAFF & OTHER STAFF

S. No.	Name of Cadre	Total sanctioned posts	Officers/ officials structured in the cadre
<b>A.</b>	<b>Officers</b> (10 percent of faculty strength)	<b>31</b>	<b>09</b>
1.	Registrar	1	1
2.	Deputy Registrar	3	--
3.	Assistant Registrar	8	3
4.	Executive Engineer	1	--
5.	Assistant Executive Engineer	2	1
6.	Librarian	1	--
7.	Deputy Librarian	1	--
8.	Assistant Librarian	2	1
9.	Senior Medical Officer	1	--
10.	Medical Officer	2	--
11.	Senior Student Activity and Sports (SAS) Officer	1	--
12.	Student Activity and Sports (SAS) Officer	2	1
13.	Principal Scientific/ Technical Officer	1	--
14.	Senior Scientific/ Technical Officer	1	1
15.	Scientific/ Technical Officer	3	1
16.	Security Officer	1	0
<b>B.</b>	<b>Technical Higher</b> (30 percent of faculty strength)	<b>92</b>	<b>13</b>
1.	PB-2 with grade pay of Rs 4200/-	41	03
2.	PB-2 with grade pay of Rs 4600/-	31	04
3.	PB-2 with grade pay of Rs 4800/-	20	06
<b>C.</b>	<b>Technical Lower</b> (30 percent of faculty strength)	<b>92</b>	<b>30</b>
1.	PB-1 with grade pay of Rs 2000/-	41	04
2.	PB-1 with grade pay of Rs 2400/-	31	10
3.	PB-1 with grade pay of Rs 2800/-	20	00
4.	PB-2 with grade pay of Rs 4200/-	00	16
<b>D.</b>	<b>Ministerial Higher</b> (08 percent of faculty strength)	<b>19</b>	<b>04</b>
1.	PB-2 with grade pay of Rs 4200/-	07	00
2.	PB-2 with grade pay of Rs 4600/-	06	00
3.	PB-2 with grade pay of Rs 4800/-	06	04
<b>E.</b>	<b>Ministerial Lower</b> (17 percent of faculty strength)	<b>58</b>	<b>42</b>
1.	PB-1 with grade pay of Rs 2000/-	30	07
2.	PB-1 with grade pay of Rs 2400/-	16	08
3.	PB-1 with grade pay of Rs 2800/-	08	00
4.	PB-2 with grade pay of Rs 4200/-	04	27
<b>F.</b>	<b>Supporting Staff</b> (15 percent of faculty strength)	<b>45</b>	<b>74</b>
1.	PB-1 with grade pay of Rs 1800/-	20	09
2.	PB-1 with grade pay of Rs 1900/-	15	16
3.	PB-1 with grade pay of Rs 2000/-	10	25
4.	PB-1 with grade pay of Rs 2400/-	00	24
	<b>GRANT TOTAL</b> (110 percent of faculty strength)	<b>337</b>	<b>172</b>



## 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 Administrative Block	-do-
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

## 11.6 STAFF MEMBERS SPONSORED FOR TRAINING AND LEARNING

### DEPARTMENT OF ARCHITECTURE

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1.	Prof. Alok Ranjan	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
2.	Prof. Rajeev Shringi	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
3.	Mr. Ram Niwas Sharma	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
4.	Ms. Reena Surana	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
5.	Ms. Kalpana Pandit	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
6.	Ms. Meenu Varshney	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
7.	Mr. Tarush Chandra	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
8.	Dr. Satish Pipralia	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
9.	Mr. Nischal Jain	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
10.	Mr. Nand Kumar	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
11.	Dr. Ashwani Patiyal	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
12.	Ms. Niruti Gupta	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014
13.	Ms. Pooja Nigam	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	MNIT Jaipur	Feb, 21-22. 2014



### Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Course	Place	Funding Agency	Date(s)
1.	Ashwani Kumar	Planning Strategies for Accessibility and Universal Design	IIT Roorkee	IIT Roorkee	Nov. 11-15 2013
2.	Niruti Gupta	Planning Strategies for Accessibility and Universal Design	IIT Roorkee	IIT Roorkee	Nov. 11-15 2013
3.	Pooja Nigam	Planning Strategies for Accessibility and Universal Design	IIT Roorkee	IIT Roorkee	Nov. 11-15 2013
4.	Meenu Varshney	Energy Efficient Homes	MNIT Jaipur	TERI	Nov. 11-15 2013
5.	Ashwani Kumar	Energy Efficient Homes	MNIT Jaipur	TERI	Nov. 11-15 2013
6.	Niruti Gupta	Energy Efficient Homes	MNIT Jaipur	TERI	Nov. 11-15 2013
7.	Pooja Nigam	Energy Efficient Homes	MNIT Jaipur	TERI	Nov. 11-15 2013

### Guest Lectures Organized in the Department

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date	Funding Agency
1.	Dr. V. Devdas	Urban Dynamics and Urban System	Professor, Dept. of Architecture and Planning, IIT Roorkee	Feb. 23 2014	MNIT Jaipur
2.	Mr. Sanjay Waghmare	Senior Town Planner, RICO, Jaipur	Development Controls in the Industrial Area of Rajasthan Proposed by RIICO	Feb, 2014	MNIT Jaipur
3.	Mr. I S Rathotre	Director, IIRMR, Mansarovar, Jaipur	Theory of Probability, Sampling Techniques	Nov .12 , 2013	MNIT Jaipur
4.	Ar. G.S. Gangwal	Practicing Architect	Building Services	Nov 26 , 2013	MNIT Jaipur
5.	Mr. Sandeep Dandwate	Senior Town Planner, Kota	Master Plan Preparation	Sept, 2013	MNIT Jaipur



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. Satish Pipralia Dr. Ashwani Kumar Ar. Niruti Gupta Ar. Pooja Nigam	Assistant Professor	Sustainable Neighbourhoods: Theories and Practices	MNIT Jaipur	Feb21-22. 2014	MNIT Jaipur

## DEPARTMENT OF CIVIL ENGINEERING

### Staff Members sponsored for Training and Learning

#### Participation of Faculty In International Seminar/Symposia/Workshop/Conference

S. No.	Name of The Faculty	Title of Event	Place	Country	Date (S)
1	Dr. Putul Haldar	Proceedings of the International Conference on Engineering Research, Innovation and Education 2013	Sylhet, Bangladesh	Bangladesh	Jan., 11-13, 2013
2	Dr Sudhir Kumar	Patron & key note speaker in International conference	Jaipur	India	Oct. 27-28, 2013
3	Prof. Rohit Goyal	FICCI Higher Education Learning Programme	University of Illinois, Urbana-Champaign Campus,	USA	Dec. 9-13, 2013
4	Prof. Rohit Goyal	Research collaboration between Institutes	University of Houston, Houston	USA	Dec. 16-17, 2013

#### Participation of Faculty In National Seminar/Symposia/Workshop/Conference

S No	Name of The Faculty	Title of Event	Place	Date(S)
1	Dr Sudhir Kumar	Managing technical institute for faculty of MNIT Jaipur	MDI ,Gurgaon	Nov. 7- 11, 2013
2	Dr.Pawan Kalla	Managing technical institute for faculty of MNIT Jaipur	MDI Gurgaon	Oct. 7-11, 2013
3	Dr. Rajib Sarkar	Programme on Teaching Pedagogy	NITTTR, Chandigarh	Dec. 16-20, 2013
4	Dr. Rajib Sarkar	Advance Pedagogy Programme	NITTTR, Chandigarh	May 19-23, 2014





### 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
1	Dr. Putul Haldar	Short-Term Course on Techniques for Earthquake Resistant Structures	IITRoorkee	March 18-29 2014	Delivered lecture on Seismic Vulnerability Assessment	Earthquake Resistant Structures
2	Dr P V Ramana	ICGTI-2014	Mumbai	March 29-30	Stochastic Finite Element Method Approach for Different Problems	
3	Dr. Pawan Kalla	Training of PWD engineers	ESTI Jaipur	Jan 9 2014	Design of Bituminous Mixes	Interaction with field engineers
4	Dr A.B.Gupta	International conference organized by IAHS-IAPSO-IAPSEI titled	Gothenburg, Sweden	July 22-26 2013	Issues of water quality, health, and poverty- the Indian scenario	"Knowledge for the future",
5	Dr A.B.Gupta	World Environment Day	Alwar	June 4 2013	"Think, eat and save"	"Think, eat and save"
6	Dr A.B.Gupta	(ICABB 2013)	Pune	Nov. 25-27 2013	"Advances in biological nitrogen removal from sewage- a review"	International conference on advances in biotechnology and bioinformatics
7	Dr A.B.Gupta	International conference	Chennai	Feb., 13 2014	"Problems of chemical quality of drinking water and their mitigation – case study of Rajasthan	"Innovative Technologies and Management for Water Security"
8	Dr A.B.Gupta	National Conference	Jaipur	6 April 2013	"Pollution from Automobiles and its implication on human health	Urban Mobility and Road Safety
9	Dr A.B.Gupta	National Education day celebrations organized by Academic committee and CDPE, UOR	Jaipur	Nov. 11 2013	"Science and society"	
10	Dr A.B.Gupta	Induction program for the new faculty	MNIT Jaipur	Dec. 17, 2013	"Research in multidisciplinary areas with special reference	



					to the field of Environ Science and Engineering	
11	Prof. Rohit Goyal	Workshop on “Ground Water Assessment, Development and Management”	IIT, Roorkee	Dec. 25 2013	Groundwater Modeling – Introduction Ground water Modeling – Case Studies	Workshop for the Officers of NABARD, organized by WRDM, IIT Roorkee, Roorkee
12	Dr. Mahesh K. Jat	National Workshop on “Climate Change Issues and Challenges with Special Emphasis on Hilly Regions”	IIT Roorkee	March 28 2014	Climate Change and its Impact on Urban Hydrology	Climate Change

#### Guest Lectures Organized In The Department:

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date
1.	Prof. J.N. Mandal	Professor, IIT Bombay	Ground Improvement Techniques (Pre-fabricated Vertical Drains)	March 29 2014
2.	Dr. Archana Sarkar	Scientist, National Institute of Hydrology, Roorkee	Classification of Climate Regions with special emphasis to Arid and Semi-Arid Climate Regions	March 10 2014
3	Prof J N Reddy	Professor, TAMU, America	Finite Element Approach	Jan 4 -6. 2014
4	Prof C S Manohar	Professor, IISc, Bangalore	Stochastic Variable technique	Jan. 4 -6 2014
5	Prof T K Datta	Professor, IIT, Delhi	Nonlinear and soil structure interaction	Jan. 4 -6 2014



### Visit of Faculty Members to Other Institutions

S. No.	Name of Faculty	Institution / Organization Visited	Purpose of Visit	Date(s) of Visit
1.	Dr. Rajesh Gupta	Bhoopal Hospital and RNT Medical College Campus	Member of the committee to suggest expansion of facilities and to assess the structural safety of existing building	Oct. 19-20 2013
2.	Dr. Sudhir Kumar	Local self bodies	State sewerage policy	March 20 2014
3.	Dr. Sudhir Kumar	RCEW	Chief guest of TECHVYOM	March 5-7 th 2014
4.	Dr. Sudhir Kumar	Gujrat Tech University	Research Week	March 29-30 2014
5.	Dr. Pawan Kalla	ESTI, Jaipur	Invited talk	Jan. 9-14
6.	Dr. Pawan Kalla	Balaji Engineering College, Jaipur	External examiner for UG courses	Dec. 19-23 2013 May 28 -29 14
7.	Dr. Pawan Kalla	MBM Jodhpur	External examiner for PG Viva-voce	
8.	Dr. Sandeep Chaudhary	GTU, Ahemdabad	Invited Lecture	March, 25-26 2014
9.	Dr. Sandeep Shrivastava	GTU, Ahemdabad	External examiner	March 28 2014
10.	Dr. B.L. Swami	Govt. Engg. College, Rajkot	BOG MEETING	Oct. 19 2013
11.	Dr. B.L. Swami	Govt. Engg. College, Rajkot	BOG MEETING	July, 06 2013



### Seminar/Conference/Workshop Organized:

S No.	Name of The Faculty	Designation	Title of Event	Place	Date (S)
1.	Dr. Sudhir Kumar	Professor	Methodologies for Air pollution control	MNIT, Jaipur	Aug. 30-31 2013
2.	Dr. Sudhir Kumar	Professor	Orientation programme of Junior Engineer	MNIT, Jaipur	July 11-15 2013
3.	Dr. Sandeep Choudhary	Asso. Professor	5 <sup>th</sup> Asia and Pacific Young Researchers and Graduated Symposium (YRGS 2013), on “Current Challenges in Structural Engineering”,	MNIT, Jaipur	Oct., 15 – 16 2013
4.	Dr. Pawan Kalla	Asst. Prof./Coordinator	3 Days orientation program for PWD engineers	MNIT, Jaipur	July 11-13 2013
5.	Dr. A.B. Gupta	Member, Technical committee	National Seminar on “Methodologies for Air Pollution Control”	Jaipur	Aug. 30–31 2013
6.	Rohit Goyal, Convener, support team	Prof. Civil Engg. & Dean R&C	Review of Research Proosals / projects	Jaipur	Oct. 4-5 2013
7.	Dr. S. K. Tiwari	Asso. Professor	National workshop on “Recent advances in geotechnical engineering for infrastructure development”	MNIT, Jaipur	Aug. 12-13, 2013



## DEPARTMENT OF CHEMICAL ENGINEERING

### Staff Members sponsored for Training and Learning

#### Participation of Faculty in International Seminar/Symposia/Workshop/Conference

S. No.	Name of Faculty	Title of Event	Place	Country	Date
1.	Dr. Manish Vashishtha	27th European Conference on Modelling and Simulation (ECMS2013)	Alesund	Norway	May , 27-30 2013
2.	Dr. Manish Vashishtha	International Conference on Civil Structural, Environmental and Bio-Technology (CSEB-2014)	Kuala Lumpur	Malaysia	March 8-9 2014
3.	Prof. S.P.Chaurasia	AIChE Conference	San Fransisco	USA	
4.	Dr. Madhu Agarwal	International Workshop on Green Initiatives in Energy, Environment	Maidens Hotel, New Delhi	India	Dec, 2-3 2013

#### Participation of Faculty in **National** Seminar/ /Workshop/**Conference**

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1.	Dr. Sushant Upadhyaya	Chemical Engineering Congress CHEMCON 2013	ICT, Mumbai	CPDA, MNIT	Dec,27-30 2013
2.	Dr. Manish Vashishtha	National Conference on Innovations, and Developments in Chemical Technology	Delhi		Feb. 28 - 1 Mar, 2014
3.	Dr. Kailash Singh	Training on "Managing Technical Institute for faculty of MNIT Jaipur"	MDI Gurgaon	TEQIP	Oct, 7-11 2013
4.	Dr. Rajeev Kumar Dohare	Characterization and deformation Behaviour of Materials for Strategic Applications	MNIT		Oct, 3-5 2013
5.	Dr. S. K. Jana	Chemical Engineering Congresss-2013	ICT-Mumbai	CPDA	Dec, 27- 30 2013
6.	Prof.S.P.Chaurasia	Higher Education Summit, organized by FICCI	Delhi	MNIT	Nov. 13, 2013
7.	Dr. Suja George	Short Term Course on "Recent Advances in Pollution Prevention Technologies in Process Industries"	MNIT Jaipur	MNIT	Oct, 22-26 2013



8.	Dr. Suja George	Short Term Course on "Water quality Management including NABL requirements."	MNIT Jaipur	CCDU	Mar, 29- 30 2013.
9.	Dr. Suja George	One Day Workshop "Innovations in defluoridation" organized by DST	Hotel Ramada, Jaipur	DST	Feb., 9 2013.
10.	Dr. Suja George	46 <sup>th</sup> IWWA National Convention of the Indian Water Works Association	Banglore, India	TEQIP	Jan, 24- 26 2014
11.	Dr. Suja George	International Conference on Materials for the Future, Innovative materials, Processes, Products and Applications- ICMF 2013.	Trichur, India	CPDA	Nov. 6 – 8, 2014
12.	Dr. Madhu Agarwal	Chemical Weapon Convention	Vesta Mourya Hotel, Jaipur	-	Sep. 21 <sup>st</sup> 2013
13.	Dr. Madhu Agarwal	Short term training programme on Research Methodology & Design of experiments.	MNIT Jaipur	-	Oct, 21-25 2013
14.	Dr. Madhu Agarwal	Refresher course on "characterization and deformation behavior of materials for strategic applications	MNIT Jaipur	-	Oct, 3-5 2013

#### 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.	Dr. Sushant Upadhyaya	Workshop for FDP on "Application of MATLAB in Chemical Engineering"	Thapar Univ. Patiala	June 3-5, 2013	Application of MATLAB in Chemical Engineering	Modeling and Simulation	TEQIP
2.	Prof. S.P. Chaurasia	International Conference organized by NIOT Chennai and InDACON-2014	Chennai	Feb. 13,2014	Water Desalination Using VMD	Innovative Technology and Management for Water Security	Conference Organisers
3.	Prof. S.P. Chaurasia	Short term course organized by MITS Gwalior	Gwalior	Oct. 22, 2013.	Lipase catalyzed hydrolysis and esterification of oils/fats for synthesis of DHA rich triglycerides	Advances in Chemical Engineering	Course Organisers



### Participation of Faculty in Short Term Courses in India

S.No.	Name of the Faculty	Name of the Course	Place	Funding Agency	Date (s)
1.	Dr. Suja George Dr. Kailash Singh Dr. Satyendra Prasad Chaurasia	Attended one week course on "Management of Technical Institutes"	MDI Gurgaon	MNIT	Sep, 7-11 2013
2.	Dr. Sushant Upadhyaya	Nanotechnology & its Applications	MNIT	MNIT	Oct, 7-11 2013
3.	Dr. Virendra Kumar Saharan Dr. Arun Kumar Mr. Shiv Om Meena	Induction training programme	MNIT Jaipur	National Institute of Technical Teachers Training and Research Chandigarh	Dec 16-20,2013
4.	Mr. Shiv Om Meena	Attended the "8 <sup>th</sup> Summer school on petroleum Refining and petrochemicals" at	IIPM Gurgaon.	TEQIP	June, 3 – 7 2013
5.	V.K.Saharan	Petroleum Refining and Petrochemicals	IIPM, Gurgaon	Indian Oil	June, 2-6 2014
6.	Dr. Rajeev Kumar Dohare	Nanotechnology & its Applications	MNIT	TEQIP	Oct,7-11 2013
7.	Mr. Rajeev Dohre Dr. Madhu Agrawal	Operation and Design Methodology	MNIT Jaipur.	TEQIP	October, 2013
8.	Mr. Shiv Om Meena	attended the workshop on "Technology Management opportunities and challenges"	MNIT Jaipur	TEQIP	May, 30 2013,
9.	Dr. Suja George	Gave lecture on "Fluoride Mitigation Programmes of the drinking water supplies", Short Term Course on "Recent Advances in Pollution Prevention Technologies in Process Industries"	MNIT Jaipur	MNIT	Oct. 22- 26, 2013



10.	Dr. Suja George	Gave lecture on "Management of Chemical Quality of Water in Rajasthan by Defluoridation" Short Term Course on "Water quality Management including NABL requirements."	Jaipur,	CCDU,WSSO	Mar. 29- 30 2013
11.	Dr. Suja George	Gave lecture on "Modeling & Simulation of Defluoridation Processes" One Day Workshop "Innovations in Defluoridation" organized by DST	Hotel Ramada,	DST	Feb., 9 2013.

#### Guest Lectures Organized in the Department

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date	Funding Agency
1.	Prof. Ajay K. Dalai	Associate Dean, Research and Partnerships, professor and Canada Research Chair in Bioenergy and Environmentally friendly Chemical Processing, Department of Chemical Engineering , University of Saskatchewan.	Green Energy and its future Prospects	Aug. 6, 2013	Uni. of Saskatchewan and MNIT Jaipur
2.	Mr. S.P. Singh	Chief General Manager, Genus Power and Infrastructure Ltd. Jaipur	Solar Energy and its future prospects	March 20, 2013	IICHe Jaipur Regional centre



### Visitors to the Department

S. No.	Name of the Visitor	Designation	Affiliation	Purpose	Date(s)	Funding Agency
1.	Prof.K.D.P Nigam	Professor	Department of Chemical Engineering , IIT Delhi	Interaction with faculty members for research and academic collaboration	Aug.28, 2013	MNIT
2.	Prof. Ajay K. Dalai	Associate Dean, Research and Partnerships, professor and Canada Research Chair in Bioenergy and Environmentally friendly Chemical Processing.	Department of Chemical Engineering , University of Saskatchewan.	To interact with faculty members and students for collaborative research work	Aug. 05 2013	Uni. of Saskatchewan and MNIT Jaipur
3.	Dr. Amrit Pal Toor	Professor	UICT, Punjab University, Chandigarh	Ph. D. Examiner	June, 14 2014	MNIT Jaipur

### 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. Sushant Upadhyaya Dr. Rajeev Kumar Dohare	Assistant Prof.	Application of MATLAB in Engineering	MNIT	Sep., 16-20, 2013	MNIT
2.	डॉ. राजकुमार व्यास	सह आचार्य	हिन्दी तकनीकी पत्र प्रस्तुतिकरण संगोष्ठी: व्यवसायिक शिक्षा में हिन्दी भाषा का संवर्धन	जयपुर	सितम्बर 21-25 2013	मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर एवं स्टीट्यूशन ऑफ इंजिनियर्स (इंडिया), राज. राज्य केन्द्र, जयपुर



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Staff Members sponsored for Training and Learning

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1.	Dr. E.S. Pilli	Two Day IBM Research Digital Learning Workshop	ISID, New Delhi		Feb. 27-28, 2014
2.	Dr. E. S. Pilli	Three Day NKN Annual Workshop on "Enhancement of research collaborations through NKN"	IISc, Bangalore		Oct. 17-19, 2014
3	Dr. E. S. Pilli	TechVista 2014 (Microsoft Research India's Annual Research Symposium)	MNIT Jaipur		Jan. 24, 2014

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.	Meenakshi Tripathi	28 <sup>th</sup> National convention of computer engineers and all india seminar on mobile and ubiquitous computing, concepts and challenges	Alwar	Feb. 22-23 2014	Wireless Sensor Network Security: A review	Security issues of WSN	MITRC, Alwar
2	Meenakshi Tripathi	National Conference on Innovations in Engineering & Technology	Udaipur	April 14-15 2014	Energy Efficiency issues in WSN	How to improve the life time of WSN	AIET, Udaipur



### Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Course	Place	Funding Agency	Date (s)
1.	Mr. Yogesh Kumar Meena	Teaching Pedagogy & Induction Training Programme	MNIT Jaipur	TEQIP	Dec. 16-20, 2013
2.	Dr. E. S. Pilli	Teaching Pedagogy & Induction Training Programme	MNIT Jaipur	TEQIP	Dec. 16-20, 2013
3.	Mr. Arka Prasad Mazumdar	Teaching Pedagogy & Induction Training Programme	MNIT Jaipur	TEQIP	Dec. 16-20, 2013
4.	Mr. Dinesh Kumar Tyagi	Teaching Pedagogy & Induction Training Programme	MNIT Jaipur	TEQIP	Dec. 16-20, 2013
5.	Mr. Santosh K Viparthy	Teaching Pedagogy & Induction Training Programme	MNIT Jaipur	TEQIP	Dec. 16-20, 2013
6.	Dr. E. S. Pilli	Technology Workshop on Architecture, Algorithms, Analytics for Big Data using Cloud and Distributed Computing	NIT Warangal		Mar. 7-11, 2014
7.	Dr. Vijay Laxmi	Management Training Program	MDI Gurgaon	TEQIP	Oct. 7-11, 2013
8.	Dr. Namita Mittal	Management Training Program	MDI Gurgaon	TEQIP	Oct. 7-11, 2013
9.	Dr. Mushtaq Ahmed	Management Training Program	MDI Gurgaon	TEQIP	Oct. 7-11, 2013
10.	Mr. Yogesh Kumar Meena	Management Training Program	MDI Gurgaon	TEQIP	Oct. 7-11, 2013
11.	Dr. Namita Mittal	Modern Trends in Soft Computing and Security Issues	NIST Odisha		Sep. 23-28, 2013



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. Neeta Nain and Dr. Mushtaq Ahmed	Assistant Professor	National Workshop on Biometrics and Privacy Protection	MNIT Jaipur	Dec. 23-25, 2013	
2.	Dr. Neeta Nain and Dr. Mushtaq Ahmed	Assistant Professor	Short Term Course on Pattern Recognition Techniques	MNIT Jaipur	May 13-17, 2013	
3.	Dr. Namita Mittal and Dr. E S Pilli	Assistant Professor	Challenges in Big Data	MNIT Jaipur	Nov. 9-13, 2013	
4.	Dr. Neeta Nain and Dr. Mushtaq Ahmed	Assistant Professor	National Workshop on Embedded Systems	MNIT Jaipur	Mar 10 - 14, 2014	
5.	Dr. M. S. Gaur Dr. Vijay Laxmi	Professor, Associate Professor	International Conference on VLSI Design and Test 2013	MNIT Jaipur	July 27 - 30, 2013	

## DEPARTMENT OF ELECTRICAL ENGINEERING

Staff Members sponsored for Training and Learning

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date (s)
1.	Dr. Dipti Saxena	IEEE Workshop on Computational Intelligence: theories, applications and future directions	IIT Kanpur	--	July 14 2013



### 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.	Dr. Rohit Bhakar	National Conference at Recent Advances on Power System Engineering	VIT Jaipur	April, 22 2013	Power Sector Restructuring and Developing Markets		
2.	Dr. Rohit Bhakar	Short Term Course on Power System Economics in Electrical Engineering Department,	IIT Kanpur	July, 30 2013	Distribution Network Pricing and Risk Management in Electricity Markets		
3.	Dr. Rohit Bhakar	National Conference on "Sustainable Power through Renewable Energy Sources	RCEW Jaipur	Aug. 24 2013	Research Challenges in Green Electricity		

### Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Training	Place	Funding Agency	Date(s)
1.	Dr. Anil Swarnkar	Managing Technical Institute	MDI, Gurgaon	TEQIP	Oct. 7-11 2013
2.	Dr. Rajesh Kumar	Managing Technical Institute	MDI, Gurgaon	TEQIP	Oct. 7-11 2013
3.	Dr. Rajive Tiwari	Managing Technical Institute	MDI, Gurgaon	TEQIP	Oct. 7-11 2013
4.	Dr. Nitin Gupta	Enterprise Resource Planning (ERP) Systems: Technology Planning and Implementation	IIM Ahmadabad	TEQIP	Dec. 9 – 11 2013
5.	Dr. Nitin Gupta	Induction Training Programme	MNIT Jaipur	TEQIP	Dec. 16 – 20 2013
6.	Dr. Dipti Saxena	Induction Training Programme	MNIT Jaipur	TEQIP	Dec.16-20, 2013.



### 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. Rajesh Kumar	IIT Jodhpur	Engaged B. Tech. classes	Dec. 2013-Jun 2014 (Weekends)	Host
2.	Dr. Rajesh Kumar	MEFGI Rajkot	Invited Lecture	Mar 2014	Host
3.	Dr. Rajesh Kumar	DCRU Murthal	Invited Lecture	Mar 2014	Host
4.	Dr. Rajesh Kumar	NTTR Chandigarh	Invited Lecture	Aug. 2013	Host

### Seminar / Conference/Workshop/Short Term Course organized:

S No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date(s)	Funding Agency
1.	Prof. K. R. Niazi Dr. Nikhil Gupta Dr. Anil Swarnkar Dr. Nitin Gupta	Coordinators	Staff Development Program on "Emerging Technologies for Power Systems Operation & Energy Management"	MNIT Jaipur	June, 17-23 2013	TEQIP-Phase II
2.	Prof. R. A. Gupta Dr. H. P. Tiwari Dr. Nitin Gupta	Coordinators	Faculty Development Programme on "Real Time Implementation of Power Electronics Technologies"	MNIT Jaipur	June, 24-28 2013	DST-Govt. of Rajasthan, IEI, TEQIP-Phase II
3.	Prof. R. A. Gupta Dr. H. P. Tiwari Dr. Nitin Gupta	Coordinators	Short Term Training Program on "Role of Power Electronics in Modern Electrical System"	MNIT Jaipur	Dec., 23-27 2013	TEQIP-Phase II



### Guest Lectures Organized in the Department

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date	Funding Agency
1.	Dr. M. M. Gupta	Professor (Emeritus) and Director Distinguished Research Chair, College of Engineering, University of Saskatchewan	Artificial Intelligent Techniques and their Applications	Jan. 27 2014	TEQIP
2.	Dr. K. N. Srivastava	Research and Development Engineer, ABB, Sweden	Advances in Power Systems	28 Aug 2013	TEQIP
3.	Dr. Mansoor Alam	Professor, Chair and Graduate Director, Electrical Engg. and Comp. Science Dept., University of Toledo, USA	Cloud Computing	Dec, 2' 2013	TEQIP

### Visitors to the Department

S. No.	Name of the Visitor	Designation	Affiliation	Purpose	Date (s)	Funding Agency
1.	Prof. M. L. Kothari	Professor	IIT, Delhi	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
2.	Prof. Gopakumar K.,	Professor	IISC Bangalore	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
3.	Prof. Rakesh Srivastava	Professor	IIT, BHU	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
4.	Prof. V. N. Shet	Professor	GEC Goa	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
5.	Dr. Barjeev Tyagi	Asso. Professor	IIT Roorkee	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
6.	Prof. Pragati Kumar	Professor	DTU, Delhi	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP



7.	Dr. Subir Sen	GM (Special Task Force on Smartgrid),	PGCIL New Delhi	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
8.	Sh. Akhilesh Jain	Managing Director,	REIL Jaipur	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
9.	Sh. B. N. Saini	Director Technical	RVPNL	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
10.	Sh. Hargovind Sharma	General Manager	BHEL	Expert, Curriculum Workshop	26 Oct, 2013	TEQIP
11.	Dr. Ajay Sahani	Director (Operation)	IMP Gurgaon	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
12.	Sh. Pankaj Totla	Entrepreneur	Jaipur	Expert, Curriculum Workshop	Oct, 26 2013	TEQIP
13.	Prof. S.N. Singh	Professor	IIT Kanpur	Expert in Short Term Course	Feb.21-25, 2013	TEQIP
14.	Prof. S. A. Khaparde	Professor	IIT Mumbai	Expert in Short Term Course	Feb. 21-25, 2013	TEQIP
15.	Dr. A. R. Abhyankar	Assistant Professor	IIT Delhi	Expert in Short Term Course	Feb.21-25, 2013	TEQIP
16.	Mr. J. D. Kulkarni		Tata Power Trading Company Limited, Noida	Expert in Short Term Course	Feb. 21-25, 2013	TEQIP
17.	Prof. B. Das	Professor	(IIT Roorkee)	Expert in Short Term Course	March 7-11, 2013	TEQIP
18.	Prof. Ibraheem	Professor	(JMI New Delhi)	Expert in Short Term Course	March 7-11, 2013	TEQIP
19.	Prof. S. L. Surana	Professor	(Former Prof. MBM Engg. College Jodhpur)	Expert in Short Term Course	March 7-11, 2013	TEQIP
20.	Dr. S. K. Calla		(Former CMD RRVUNL)	Expert in Short Term Course	March 7-11, 2013	TEQIP
21.	Er. B. N. Saini		(Director RVPNL)	Expert in Short Term Course	March 7-11, 2013	TEQIP
22.	Dr. Nilanjan Senroy	Assistant Professor	(IIT Delhi)	Expert in Short Term Course	March 7-11, 2013	TEQIP



23.	Dr. Saikat Chakrawarti	Assistant Professor	(IIT Kanpur)	Expert in Short Term Course	March 7-11, 2013	TEQIP
24.	Dr. Jayashree Vajpai	Associate Professor	(MBM Engg. College Jodhpur)	Expert in Short Term Course	March 7-11, 2013	TEQIP
25.	Prof. D. Tukaram	Professor	(IISc Bangalore)	Expert in Short Term Course	June 17-23, 2013	TEQIP
26.	Dr. Naran M. Pindoriya	Assistant Professor	(IIT Gandhinagar)	Expert in Short Term Course	June 17-23, 2013	TEQIP
27.	Prof. R. K. Nema	Professor	(MANIT Bhopal)	Expert in Short Term Course	June 17-23, 2013	TEQIP
28.	Er. Santosh Saware	Assistant Engineer	(+500kV HVDC Terminal Station Maharashtra)	Expert in Short Term Course	June 17-23, 2013	TEQIP
29.	Er. Vikas Asawat	Registered Patent Agents	(Patent & Trade Mark Attorney)	Expert in Short Term Course	June 17-23, 2013	TEQIP
30.	Prof. Kishore Chatterjee	Professor	IIT Mumbai	Expert in Short Term Course	June 24- 28 2013	TEQIP
31.	Dr. Bharat Singh Rajpurohit	Assistant Professor	IIT Mandi	Expert in Short Term Course	June 24- 28 2013	TEQIP
32.	Dr. Amit Kumar Jain	Assistant Professor	IIT Delhi	Expert in Short Term Course	June 24- 28 2013	TEQIP
33.	Prof. S. K. Jain	Professor	MANIT Bhopal	Expert in Short Term Course	June 24- 28 2013	TEQIP
34.	Dr. Sanjeev Chauhan	Assistant Professor	SLIET Longawal	Expert in Short Term Course	June 24- 28 2013	TEQIP
35.	Dr. M. K. Pathak	Assistant Professor	IIT Roorkee	Expert in Short Term Course	June 24- 28 2013	TEQIP
36.	Prof. V. N. Shet	Professor	GCE Goa	Expert in Short Term Course	June 24- 28 2013	TEQIP
37.	Dr. Jagdish Kumar	Associate Professor	PEC Chandigarh	Expert in Short Term Course	June 24- 28 2013	TEQIP
38.	Mr. Nishant Agrawal	Manager	dSPACE Noida	Expert in Short Term Course	June 24- 28 2013	TEQIP



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date (s)
1.	Vijay Janyani	CISCO Briefing Workshop	CBC, Bangalore	TEQIP	Feb. 17, 2014
2.	Vijay Janyani	FICCI Curriculum Workshop	New Delhi,	TEQIP	July 6, 2013
3.	Vijay Janyani	2 <sup>nd</sup> World Summit on Accreditation organized by NBA	New Delhi,	TEQIP	March 8-10, 2014
4.	Dr. Ghanshyam Singh	One week training at Entrepreneurship Development Institute of India	EDI, Ahemdabad	TEQIP, MNIT Jaipur	May 14 – 18, 2014.
5.	Dr. Ghanshyam Singh	4 days training program at IIM Ahemdabad	IIM Ahemdabad	TEQIP, MNIT Jaipur	June 22– 25, 2014
6.	Dr. C.Periasamy	One week training at Enterpreniurship Development Institute of India	EDI, Ahemdabad	TEQIP, MNIT Jaipur	May 14 – 18, 2014.
7.	Dr. Mohd. Samar Ansari	One week training at Enterpreniurship Development Institute of India	EDI, Ahemdabad	TEQIP, MNIT Jaipur	May 14 – 18, 2014.
8.	Dr. Satyasai Jagannath Nanda	One week training at Enterpreniurship Development Institute of India	EDI, Ahemdabad	TEQIP, MNIT Jaipur	May 14 – 18, 2014.
9.	Dr. K.K.Sharma	One week training at Enterpreniurship Development Institute of India	EDI, Ahemdabad	TEQIP, MNIT Jaipur	May 14 – 18, 2014.
10.	Mr. Amit Mahesh Joshi	One week training at Enterpreniurship Development Institute of India	EDI, Ahemdabad	TEQIP, MNIT Jaipur	May 14 – 18, 2014.
11.	Vijay Janyani	Recent Trends in Communication and Signal Processing,	MNIT Jaipur	NA	July 1-5, 2013



12.	Vijay Janyani	FDP on Entrepreneurship	EDI India, Ahmedabad (Gandhinagar), Gujarat.	TEQIP	April 14-18 2014
13.	Dr.K.K. Sharma	Recent advances in Signal Proc.		NA	Sep. 01 -05, 2013
14.	Dr. Ritu Sharma	STP on recent advances in signal processing and communication	Jaipur	TEQIP	May 19-23 2014
15.	Dr. Ritu Sharma	Recent Trends in Electronics and Communication		NA	June 25-29 2013

### Participation of Faculty in Short Term Courses Abroad

S. No.	Name of the Faculty	Name of the Course	Place	Country	Funding Agency	Date (s)
1.	Dr. Ghanshyam Singh	International Krutyn Summer School 2014	Krutyn	Poland	TEQIP, MNIT Jaipur	June 8-14, 2014
2	Dr. Vijay Janyani	International Krutyn Summer School 2014	Krutyn	Poland	TEQIP, MNIT Jaipur	June 8-14, 2014
3	C. Periasamy	International Krutyn Summer School 2014	Krutyn	Poland	TEQIP, MNIT Jaipur	June 8-14, 2014

### Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1.	Dr. Ghanshyam Singh	One week training at Entrepreneurship Development Institute of India	EDI, Ahmedabad	TEQIP, MNIT Jaipur	May 14 – 18, 2014.
2.	Dr. Ghanshyam Singh	4 days training program at IIM Ahmedabad	IIM Ahmedabad	TEQIP, MNIT Jaipur	June 22– 25, 2014
3.	Dr. C. Periasamy	One week training at Entrepreneurship Development Institute of India	EDI, Ahmedabad	TEQIP, MNIT Jaipur	May 14– 18, 2014.
4.	Dr. Mohd. Samar Ansari	One week training at Entrepreneurship Development Institute of India	EDI, Ahmedabad	TEQIP, MNIT Jaipur	May 14– 18, 2014.
5.	Dr. Satyasai Jagannath Nanda	One week training at Entrepreneurship Development Institute of India	EDI, Ahmedabad	TEQIP, MNIT Jaipur	May 14– 18, 2014.
6.	Dr. K.K. Sharma	One week training at Entrepreneurship Development Institute of India	EDI, Ahmedabad	TEQIP, MNIT Jaipur	May 14– 18, 2014.



7.	Mr. Amit Mahesh Joshi	One week training at Enterpreniurship Development Institute of India	EDI, Ahemdabad	TEQIP, MNIT Jaipur	May 14- 18, 2014.
8.	Vijay Janyani	Recent Trends in Communication and Signal Processing,	MNIT Jaipur	NA	July 1-5, 2013
9.	Vijay Janyani	FDP on Entrepreneurship	EDI India, Ahmedabad (Gandhinagar), Gujarat.	TEQIP	April 14-18, 2014
10.	Dr. K.K. Sharma	Recent advances in Signal Proc.		NA	Sep. 01-05, 2013
11.	Dr. Ritu Sharma	Recent Trends in Electronics and Communication Engineering		NA	June 25-29, 2013
12	Dr. Mohammad Salim	Short Term course on Recent Trends In Communication And Signal Processing	MNIT, Jaipur	MNIT	01-07-2013 to 05-07-2013

### Staff Members sponsored for Training and Learning

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
1.	Dr. Ghanshyam Singh	ISTE sponsored two week STTP on VLSI Design and Education.	Department of ECE, Balaji College of Engg. and Tech. Jaipur (Raj.)	July 2013	Talk deliver on "Photonics Integrated Circuits"	
2.	Dr. Vineet Sahula	AICTE FDP on VLSI Design & FPGAs, 15 -22 July 2013	Sri Balaji College of Engg. & Tech., Jaipur	July 15 2013	Keynote Speaker; Technology Roadmap for Semiconductors: An Overview	VLSI
3.	Prof. K.K. Sharma	National Conference	Stani memorial college of Engg. Phagi		Fractional transforms in signal processing	Communcations and signal processing
4.	Dr. Vineet Sahula	National Seminar on Recent Trends in Embedded Systems (NSRTES)	Sri Balaji College of Engineering & Technology, Jaipur	Jan. 3 2014		



### 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. Vineet Sahula	FICCI GLOBAL R&D SUMMIT The Ashok, New Delhi, 25-26 July 2013	As delegate	July 25-26 2013	
2.	Dr. Vineet Sahula	(i) Univ. of Calgary; (ii) Univ. of Saskatchewan; (iii) York Univ., all in Canada	Member of official faculty delegation for Research & academic collaboration	Sept 14-23. 2013	
3.	Dr. Vineet Sahula	AICTE-NBA sponsored training NMIMS, Bangalore	NBA workshop/training for Chairpersons & Evaluators	Sept. 7-8 2013	
4.	Dr. Ghanshyam Singh	Jaipur Engineering College Jaipur	Member of inspection committee for opening of a Research Centre@ JEC Jaipur affiliated to Rajasthan Technical University, Kota	July 6, 2013	RTU Kota
5.	Dr. Ghanshyam Singh	Department of ECE, Balaji College of Engg. and Tech. Jaipur (Raj.)	Talk delivered on "Photonics Integrated Circuits" ISTE sponsored two week STTP on VLSI Design and Education.	July 2013	ISTE New Delhi
6.	Dr. Ghanshyam Singh	Dept. of EEE, KEIO University, Yagami Campus, Kangawa, Yokohama (Japan)	Visiting Professor & Discussions on interested areas of research	Oct. 4-16, 2013	TEQIP, MNIT Jaipur and host Department (Dept. of EEE, KEIO University)



## Visitors to the Department

Name of the Visitor	Title of Talk
Prof. S. K. Bose Professor, IIT Guwahati in the dept. of EEE	MLCAR - An Efficient Approach to Multicasting in Wireless Mesh Networks
Prof. S. K. Bose Professor, IIT Guwahati in the dept. of EEE	Discussions with faculty/students on research & collaboration
Prof. Bimal Roy Director, Indian Statistical Institute, Kolkata	Statistics, Combinatorics and Cryptology
Prof. Bimal Roy Director, Indian Statistical Institute, Kolkata	Combinatorial Batch Codes
Prof. B. Yegnanarayana, Former Professor, IIT Madras, and now institute Chair Professor, IIIT Hyderabad	Pattern Classification
Prof. S. R. M. Prasanna Professor, IIT Guwahati in the dept. of EEE	Trends in Speech & Signal Processing
Prof. B. Yegnanarayana, Former Professor, IIT Madras, and now institute Chair Professor, IIIT Hyderabad	Speech Processing

## Seminar/Conference/Workshop organized:

S No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date (s)
1.	Dr. D. Boolchandani, Vice Co-chair Dr. Lava Bhargava, Finance chair Dr. G. Singh, Accommodation coordinator		IEEE VLSI DESIG AND TEST SYMPOSIUM	MNIT Jaipur	July 27-30, 2013
2.	Coordinators: Dr.K.K. Sharma, Dr. Ghanshyam Singh, Dr. M. Salim	Coordinator	one week short term course on "Recent trends on Communication and Signal Processing"	ECE Dept. MNIT, Jaipur	July 1 – 5, 2013
3.	Coordinators: Dr.K.K. Sharma, Dr. Ghanshyam Singh, Dr. M. Salim	Coordinators	National Conference on "Communication Systems and VLSI Design (CSVD-2013)"	MNIT Jaipur	July 24 - 25, 2013.
4.	Dr. Ritu Sharma, Dr. Neeta nain, Dr. Mushtaq Ahmed,	Coordinators	Organized Short term course "Pattern and text Recognition Techniques"	MNIT Jaipur	May 20-24, 2013



5.	Dr. D. Boolchandani & Mr. Tarun Varma;	Coordinators	TI Workshop on "Analog System Design" August 26-28, 2013	MNIT Jaipur	Aug. 26-28 2013
6.	Dr. Ravi K. Maddila, Prof. M. S. Gaur & Dr. V. Sahula, Prof. V. Sinha	Coordinators	Workshop on Computer Networking, Security & signal processing	MNIT Jaipur	Sept. 2-6 2013
7.	Dr. M.Samar Ansari & Mr. Amit M. Joshi	Coordinators	Texas Instruments' Students Design Contest, Sept. 2013	MNIT Jaipur	Oct. 2013
8.	Dr. S. J. Nanda (Dr. V. Sahula, Convener)	Coordinator	FDP On Advances in Adaptive Signal Processing	MNIT Jaipur	Dec. 17-21 2013
9.	Dr. S. J. Nanda & Dr. M. Ravi Kumar; (Dr. V. Sahula & Prof. V. Sinha )	Coordinators	One day research symposium for Parents/Alumni & research scholars	MNIT Jaipur	March 30 2014
10.	Dr. V. Sahula	Coordinator	Half day workshop on Innovation through students' project work	MNIT Jaipur	Aug. 2014
11.	Dr. Ritu Sharma (Dr. Neeta Nain, Dr. Mushtaq Ahmed)	Coordinators	STP on Pattern Recognition Techniques	TEQIP, MNIT	May 13-17, 2013
12.	Dr. Ritu Sharma (Dr. Neeta Nain, Dr. Mushtaq Ahmed)	Coordinators	STP on Embedded system	TEQIP, Advance Technology, Dynalog	March 10-14 2014



## DEPARTMENT OF MECHANICAL ENGINEERING

### Staff Members sponsored for Training and Learning

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date (s)
1.	Dr. Harlal Singh Mali	International Conference on PRECISION, MESO, MICRO, AND NANO ENGINEERING (COPEN-8)	National Institute of Technology Calicut & BARC, DST	CPDA	Dec. 13-15 2013
2	Dr. Harlal Singh Mali	DSIR PACE Workshop	RCCI, Chamber Bhawan, Jaipur	-	Mar. 27 2014

Seminar/Conference/Workshop/Short Term Course organized:

S. No.	Name of the Faculty	Title of Event	Place	Date (s)	Funding Agency
1	Mr. Mukesh Kumar	Communication Skills	Chandigarh, Sector 32C, Chandigarh (UT)	May 21 2014.	TEQIP
2	Mr. Mukesh Kumar	“Advanced Pedagogy”	(NITTTR) Chandigarh from 19 <sup>th</sup> – 23 <sup>rd</sup> May 2014	2014	TEQIP
3	Mr. Mukesh Kumar	Rules, Regulations and Policies	MNIT Jaipur	July 8-9 2014	TEQIP
4	Mr. Arun Bansal	Training Program	UBS, RIE, NITTTR, Chandigarh & HPIAPA Shimla	July 19-26 2014	TEQIP
5	Mr. Saurabh Kr. Soni	Training Program	UBS, RIE, NITTTR, Chandigarh & HPIAPA Shimla	July 19-26 2014	TEQIP
6	Mr. Dipak Kumar	Training Program	UBS, RIE, NITTTR, Chandigarh & HPIAPA Shimla	July 19-26 2014	TEQIP
7	Mr. Ramesh Chand Meena	Training Program	UBS, RIE, NITTTR, Chandigarh & HPIAPA Shimla	July 19-26 2014	TEQIP



S. No.	Name of the Faculty	Title of Event	Place	Date (s)	Funding Agency
8	Mr. J.S. Arya	Training Program	UBS, RIE, NITTTR, Chandigarh & HPIAPA Shimla	July 19-26 2014	TEQIP
9	Mr. Kailash Chandra	Training Program	UBS, RIE, NITTTR, Chandigarh & HPIAPA Shimla	July 19-26 2014	TEQIP
10	Mr. Saurabh Kr. Soni	Enhancement of Computer	MNIT Jaipur	June 30 to July 4 2014	TEQIP
11	Mr Dinesh Kumar	Communication Skills	Regional Institute of English Chandigarh	May 21 2014.	TEQIP
12	Mr. Dinesh Kumar	“Advanced Padagogy”	(NITTTR) Chandigarh	May 19 – 23 2014	TEQIP

#### 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.	Dr. Harlal Singh Mali	STTP on “Advanced & Micromanufacturing”	PEC University of Technology, Chandigarh	June 5 2013	Micro & Nano Finishing by AFM Process	TEQIP sponsored STTP	TEQIP
2.	Dr. Harlal Singh Mali	STTP on “Computational and Experimental Method for Advanced Research in Composites”	Mechanical Engineering Department of MNIT Jaipur	June 16 2013	Micro Manufacturing for Composite Materials	TEQIP sponsored STTP	TEQIP
3.	Dr. Harlal Singh Mali	STTP on “Advances in Composite Material”	Mechanical Engineering Department of SVNIT, Surat	June 26 2013	Investigation on the Mechanical Behaviour of Woven Fabric Carbon/Epoxy Composites	TEQIP sponsored STTP	TEQIP
4.	Dr. Harlal Singh Mali	Lecture series on Manufacturing Topic in the Training Programme for BOSCH Engineers.	MNIT Jaipur	Sep. 26-30 2013	Advanced Manufacturing Processes	Training Programme for BOSCH Engineers	BOSCH Ltd.





### 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. Harlal Singh Mali	SVNIT Surat	To evaluate M Tech dissertation	July 2 2013	TEQIP
2	Dr. Harlal Singh Mali	Idaho State University, USA	As member of Indian delegation.	July 22-26 2013	TEQIP
3	Dr. Harlal Singh Mali	IIT Madras	A an Academic Council member for the Grand Finale of 3D Student Design-2013 Competition.	Oct. 24 2013	Autodesk
4	Dr. Harlal Singh Mali	IIM, Ahmedabad	To attend Enterprise Resource Planning (ERP) Systems : Technology Planning and Implementation (3 Days)	Dec. 9-11 2013	Autodesk
5	Dr. Harlal Singh Mali	National Institute of Technology Calicut	To attend and present papers in International Conference on PRECISION, MESO, MICRO, AND NANO ENGINEERING (COPEN-8)	Dec. 13-15 2013	CPDA
6	Dr. Harlal Singh Mali	NIT Rourkela	To study CSAB-2013 as Working Committee Member of CSAB-2014	Nov. 12 2013	CSAB
7	Dr. Harlal Singh Mali	Autodesk University Extension India, Mumbai	To deliver expert lecture on "Digital Prototyping" at the coveted AUX summit.	Dec 19. 2013	Autodesk
8	Dr. Harlal Singh Mali	Sri Balaji College of Engineering & Technology, Jaipur	To deliver expert lecture in AICTE sponsored STTP on "Challenges and Advances in Die design"	Jan. 18 2014	AICTE
9	Dr. Harlal Singh Mali	RCCI, Chamber Bhawan, Jaipur	To deliver lecture as Technology Provider in DSIR PACE (Patent Acquisition and Research Collaboration and Technology Development) Workshop	March 27 2014	DSIR
10.	Dr. Dilip Sharma	Indira Gandhi Centre for Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur.	Need for Alternate Fuels in Automobiles	Feb. 21, 2014	



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 Dinesh Kumar	Assistant Professor	Finite Element Methods Through Altair HyperWorks	MNIT Jaipur	June 2– 6 2014	TEQIP P-II
2.	Dr. Harlal Singh Mali	Assistant Professor	Computer Aided Design and Analysis of Machine & Structural Elements"	MNIT Jaipur	Dec. 20-24 2013	TEQIP P-II and Autodesk®
3	Dr. ML Mittal and Dr .Gunjan Soni	Associate Professor and Assistant Professor	Research Methodology and Design of Experiments	MNIT Jaipur	Oct. 21 – 25, 2013	TEQIP P-II
4	Prof. Rakesh Jain and Dr. Gunjan Soni	Professor and Assistant Professor	Six Sigma: Tools and Applications	MNIT Jaipur	Dec. 16–20 2013	TEQIP P-II
5	Dr. Dilip Sharma	Professor	Innovations in design "Instilldesign"	MNIT Jaipur	Sept. 20-21 2013	Usability Matters Organization
6	Dr. Dilip Sharma	Professor	Hyperworks and Finite Element Analysis	MNIT Jaipur	Sept. 21-28 2013	SAE club
7	Dr. Dilip Sharma	Professor	Intellectual Property Rights	MNIT Jaipur	March 16, 2014	DST Rajasthan



## DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1.	Prof. U. Pandel, Prof Ashok Sharma Dr.R.K. Duchaniya Dr. S.K. Gupta Dr. Vinod Kumar Mr. Krishna Kumar	Promoting Techno- Entrepreneurship	MNIT Jaipur	TEQIP-II	March, 19 2014
2.	Prof. U. Pandel Prof Ashok Sharma Dr. R.K. Duchaniya Dr. S.K. Gupta Dr. Vinod Kumar Mr. Krishna Kumar	Industry - Academia Interaction for Engineering Students	MNIT Jaipur	TEQIP-II	March, 11 2014
3.	Prof. U. Pandel, Prof Ashok Sharma Dr. R.K. Duchaniya	Prospects of Engineering Students in Automobile Sector and Exceptions of Industry from Students	MNIT Jaipur	TEQIP-II	Nov., 9 2013
4.	Dr. V.K.Sharma Dr. K. Sachdeva Dr. Ragini Gupta	Advanced Materials Technology	MNIT Jaipur	TEQIP-II	March, 1 2013
5.	Dr. Vinod Kumar Dr.M.Agarwal Dr.R.Singhal	National Symposium on “ Frontier Research in Materials”	MNIT Jaipur	TEQIP-II	Jan., 30 2014
6.	Dr Vinod Kumar Dr. R.K. Duchaniya Dr. R.K. Joshi	Refresher course on “Electron Microscopy 2014”	MNIT Jaipur	TEQIP-II	Jan 31- Feb., 3 2014
7.	Prof. U. Pandel, Dr. R.K.Duchaniya, Dr. Madhu Agarwal	Short term course on “Nano Technology and its Applications”	MNIT Jaipur	TEQIP-II	Oct., 7-11 2013
8.	Dr. R.K. Duchaniya, Mr. Krishna Kumar, Dr. B.R. Golla	Refresher course on “Characterization and Deformation Behavior of Materials for Strategic Applications”	MNIT Jaipur	TEQIP-II	Oct., 3-5 2013
9.	Prof C. P. Sharma Prof A. K. Bhargava	Short Term course on “Structure properties and applications of Engineering Materials”	MNIT Jaipur	TEQIP-II	July, 1-5 2013
10.	Dr. R.K. Duchaniya	Short term course on “Computational Techniques in Engineering and Sciences”	MNIT Jaipur	Institute	April, 1-5 2013



### Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Course	Place	Funding Agency	Date(s)
1.	1. Dr Vinod Kumar 2. Dr. R. K. Duchaniy 3. Dr. R.K. Joshi	Refresher course on "Electron Microscopy 2014"	MNIT	TEQIP-II	Jan. 31- Feb., 3 2014
2.	1. Dr. Vinod Kumar 2. Dr.M.Agarwal 3. Dr.R. Singhal	National Symposium on "Frontier Research in Materials"	MNIT Jaipur	TEQIP-II	Jan., 30 2014
3.	1. Prof. U. Pandel, 2. Dr. R.K. Duchaniya, 3.Dr. Vinod Kumar	Short term course on "Nano Technology and its Applications"	MNIT	TEQIP-II	Oct., 7-11 2013
4.	1. Dr.R.K. Duchaniya, 2. Mr. Krishna Kumar, 3. Dr. B.R.Golla	Refresher course on "Characterization and Deformation Behavior of Materials for Strategic Applications"	MNIT	TEQIP-II	Oct., 3-5 2013
5.	1. Prof C.P. Sharma 2. Prof A. K. Bhargava	Short Term course on "Structure properties and applications of Engineering Materials"	MNIT	TEQIP-II	July, 1-5 2013
6.	1. Dr. R. K. Duchaniya	Short term course on "Computational Techniques in Engineering and Sciences"	MNIT	TEQIP-II	April, 1-5 2013

### Guest Lectures Organized in the Department

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date	Funding Agency
1.	Dr. J. Sunder Rajan	CPRI, Banglore	Application of Steels and Thermal Spray Coating in Hydro Power Projects	Sept. 19 2014	CPRI, TEQIP II, MNIT
2.	N. Murugesan,	Director General, CPRI Bangalore			
3.	Prof. D.B. Goel	IIT Rorkee			
4.	Mr. S.S.Meena	Chief Er., Kali Sindh Power Plant, Rajasthan			
5.	Dr. S. V. Kamat	DMRL Hyderabad	Advanced Magnetic Materials	Sep. 5 2014	TEQIP II, MNIT
6.	Prof. G. D. Verma	IIT Roorkee	Recent Development in Superconducting Materials		
7.	Rof. R. Chatterjee	IIT Delhi	Electro Shape memory in smart Ceramics		



8.	Prof. S. M. Shivprasad	JNCASR Banglore	Multi-functional manifestations of III-Nitride Nanostructures and Films		
9.	Dr. D. Bhattacharya	CGCRI Kolkatta	Multiferrocity in Nano and Improper Ferroelectric Systems		
10.	Prof. Satya Prakash	IIT Roorkee	Programme Educational Objectives (PEO) & Programme Outcomes (PO) and Curriculum of UG/PG of Met. & Mat. Engg. Dept	June, 13 2014	TEQIP II, MNIT
11.	Prof. V.K.Tiwari	VC Graphicera University, Dehradon			
12.	Mr. Devender Kr. Sharma	Retd. Joint Director), EMDI Jaipur	Promoting Techno-Entrepreneurship	March, 19 2014	TEQIP II, MNIT
13.	Mr. Viswas Jain	CMD, CEG, Jaipur			
14.	Dr, Subhash Chndra Sharma	ED, RK Sansthan, Rajasthan			
15.	Mr. K.L Gupta	CMD, Universal Foundry Pvt .Ltd. Jaipur	Industry - Academia Interaction for Engineering Students	March, 11 2014	TEQIP II, MNIT
16.	Mr, A.K.Sharma	GM, RIICO, Jaipur			
17.	Mr. Sitaram Jangir	Manager, Sigma Electric Pvt. Ltd, Jaipur			
18.	Mr. Vishvakarma	MD, Hariom Precision Alloy Pvt. Ltd, Alwar			
19.	Mr. Tarun Sarda	Partner, Sarda Enterprises, Jaipur			
20.	Mr. V.K. Jayaswal	ED, Shri Ram Pistons and Rings Ltd. Ghaziabad	Prospects of Engineering Students in Automobile Sector and Expectations of Industry from Students	Nov., 9 2013	TEQIP II, MNIT
21.	Mr. Manoj Kr. Gupta	CGM, Maruti Suzuki India Ltd. Gurgaon			
22.	Dr. Manojit Ghosh	BESU Kolkatta	Work Hardening of Aluminium Alloys and Anisotropy studies for Aluminium Alloys	Oct., 3-5 2013	
23.	Prof. B.S. Murthy	IIT Madras	Interaction with research students	April, 5 2013	MNIT



### 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. R.K. Duchaniya	International Conference on “ Industrial, Mechanical and Manufacturing Engineering (ICIMME 14), Pattaya, Thailand	Presented Paper on Optical Studies of Chemically Synthesis CdS: Nanoparticles	June, 23- 24 2014	MNIT
2.		IIT Delhi	Attended Workshop	Sep., 29- 30 2013	CPDA
3.	Dr. Vinod Kumar	IIT Kanpur	Attended Short Term Course	Sep., 16- 20 2013	
4.		World CORCON-2013 Conference	Presented a paper	Sept. 30- Oct. 03 2013	

### Seminar/Conference/Workshop/Short Term Course organized:

S. No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date(s)	Funding Agency
1.	1. Prof. U. Pandel, 2. Prof Ashok Sharma, 3. Dr. R.K. Duchaniya, 4. Dr. S.K. Gupta 5. Dr. Vinod Kumar 6. Mr. Krishna Kumar	Professor Professor Assistant Professor Associate Professor Assistant Professor Assistant Professor	Promoting Techno-Entrepreneurship	MNIT Jaipur	March, 19 2014	TEQIP-II
2.	1. Prof. U. Pandel, 2. Prof Ashok Sharma, 3. Dr.R.K. Duchaniya, 4. Dr. S.K. Gupta 5. Dr. Vinod Kumar 6. Mr. Krishna Kumar	Professor Professor Assistant Professor Associate Professor Assistant Professor Assistant Professor	Industry - Academia Interaction for Engineering Students	MNIT Jaipur	March, 11 2014	TEQIP-II
3.	1. Dr Vinod Kumar 2. Dr. R.K. Duchaniya 3. Dr. R. K. Joshi	Assistant Professor Assistant Professor Assistant Professor	Refresher course on “Electron Microscopy 2014”	MNIT	Feb., 3 - Jan 31 2014	TEQIP-II
4.	1. Dr. Vinod Kumar 2. Dr. M.Agarwal 3. Dr. R.Singhal	Assistant Professor Assistant Professor Assistant Professor	National Symposium on “Frontier Research in Materials”	MNIT Jaipur	Jan., 30 2014	TEQIP-II
5.	1. Prof. U. Pandel, 2. Prof Ashok Sharma, 3. Dr. R.K. Duchaniya,	Professor Professor Assistant Professor	Prospects of Engineering Students in Automobile Sector and Exceptions of Industry from Students	MNIT Jaipur	Nov., 9 2013	TEQIP-II



## DEPARTMENT OF MANAGEMENT STUDIES ENGINEERING

### Staff Members sponsored for Training and Learning

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1.	Dr. Dipti Sharma	34 <sup>th</sup> Annual Conference of the Rajasthan Economic Association	St. Xavier's College Jaipur	CPDA	Jan., 17-19 2014

#### 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.	Dr. Monica Sharma	All India Seminar in Production Engineering Division Board	The Institution of Engineers (India) Rajasthan State Centre Jaipur	Jan. 18-19 2014	Sustainable Manufacturing: Hope for the future	Sustainable Manufacturing	Organizing Institute
2	Dr. Satish Kumar	International Conference on Reinventing Management Strategy: The Design for Future (IC-RMS 2013)	IMS Ghaziabad	Nov. 30, 2013	Finance Research in 21st Century	Finance	Organizing Institute
3.	Dr. Satish Kumar	National Conference Changing Scenario of Business Management & Finance in India	S.S Jain Subodh College, Jaipur	Jan. 30-31, 2014	Behavioral Finance	Finance	Organizing Institute

#### Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Course	Place	Funding Agency	Date (s)
1.	Dr. Monica Sharma	Statistical Analysis for Engineers	IIT Kanpur		June 17 -21, 2013



### 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. Monica Sharma	All India Seminar in Production Engineering Division Board	Key Note in National Conference on Sustainable Manufacturing: Hope for the future	Jan. 18-19 2014	The Institution of Engineers (India) Rajasthan State Centre Jaipur
2	Dr. Satish Kumar	S.S Jain Subodh College, Jaipur	Session Chair, National Conference Changing Scenario of Business Management & Finance in India	Jan. 30-31, 2014	Organizing Institute
3.	Dr. Satish Kumar	IMS Ghaziabad	Conference Chair, International Conference on Reinventing Management Strategy: The Design for Future (IC-RMS 2013)	Nov. 30, 2013	IMS Ghaziabd
5.	Deepak Verma	Jaypee Business School, NOIDA	invited lecture at National Conference of Social Media and EMarketing	March 1, 2014	Jaypee Business School, NOIDA

### 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. Monica Sharma Dr. Amit Kumar Singh	Co-ordinator	Etiquette and Skills Development for Interviews	MNIT Jaipur	Oct. 26-27, 2013	TEQIP Phase II
2.	Prof. Awadhesh Bharadwaj, Dr. Monica Sharma	Co-ordinator	Workshop on Technology Management: Opportunities & Challenges	MNIT Jaipur	May 30, 2013	UKERI and British Council
3.	Prof. Awadhesh Bharadwaj, Prof. APS Rathore	Coordinator	International Conference on Management & Business Innovation	MNIT Jaipur	May 18-19 2013	MNIT, Jaipur, Institute Funding, Govt. Engg. College & Govt. Women Engg. College Ajmer & Registration



4.	Dr. Monica Sharma Dr. Satish Kumar	Co-Coordinator	International Conference on Management & Business Innovation	MNIT Jaipur	May 18-19 2013	MNIT, Jaipur, Institute Funding, Govt. Engg. College & Govt. Women Engg. College Ajmer & Registration
5.	Prof. Awadhesh Bharadwaj Dr. Monica Sharma	Co-ordinator	Brainstorming Conference on STI Policy Implementation	MNIT Jaipur	Apr. 30, 2013	DST, GOI
6	Dr. Deepak Verma & Dr. Satish Kumar	Co-coordinator	Finshing School for Engineering Students	MNIT Jiapur	Jan. 27-31, 2014	TEQIP-II
7	Dr. Dipti Sharma Mrs. Nanny Tripathi	Assistant Professor Asso. Professor	Personality Development Workshop for Students	MNIT Jaipur	Aug., 2 - 3 2013	TEQIP

## DEPARTMENT OF PHYSICS

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date (s)
1	Prof. K. C. Swami	2 <sup>nd</sup> National Conference on Micro and Nano-Electronic Systems and Devices-2013	VIT, Jaipur		Aug. 8-9 2013
2	Prof. K .C. Swami	International Conference on Nanostructuring by Ion Beams	Gold Palace, Jaipur		Oct. 21-25 2013
3	Prof. S. K. Sharma	2 <sup>nd</sup> National Conference on Micro and Nano Electronic Systems and Devices-2013 (MINO-2013)	VIT, Jaipur		Aug. 8-9, 2013
4	Prof. S. K. Sharma	Panel discussion in the conference on German Language, Literature and Culture organized by Indo-German Society, Jaipur	Department of European Language , Literature and Culture Studies, UOR, Jaipur.		March 1, 2014





### Keynote addresses/Invited talks 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. S. K. Sharma	2 <sup>nd</sup> National Conference on Micro and Nano Electronic Systems and Devices-2013 (MINO-2013)	VIT, Jaipur	August 8-9, 2013	Gas sensing behavior of Nanostructured ZnO and SnO <sub>2</sub>	Invited Talk	
2.	Prof. S. K. Sharma	Progress of the BRNS research project	TPDM	July 8-11, 2013	SnO <sub>2</sub> based Microwave sintered sensors for combustible gases.	Invited Talk on Project Review Presentation	
3.	Prof. S. K. Sharma	National Conference on Perspectives of Physics in Multi-disciplinary Research	Department of Physics, UOR Jaipur	March 12-13, 2014.	Probing surface of solids using XPS.	Invited Talk	
4.	Prof. S. K. Sharma	Frontier Materials	MNIT, Jaipur	Aug., 12-17 2013.	Basics of synthesis and phase diagram study of alloys.	Invited Lecture	
5.	Dr. K. Sachdev	Short Term Course (Frontier Materials).	MNIT, Jaipur	Aug., 17 2013	Lecture on "TCO-Theory & Applications"	Frontier Materials	MNIT
6.	Dr. K. Sachdev	2 <sup>nd</sup> National Conference on Micro and Nano Electronic Systems and Devices-2013 (MINO-2013)	VIT, Jaipur	Aug., 8-9, 2013	Invited talk on "TCO-Theory & Applications"	National Conference	
7.	Dr. Srinivasa Rao Nelamarri	International Conference on Nanostructuring by Ion Beams	Jaipur, India	Oct. 23-25 2013	Ion beam induced modifications in TiNi alloys		MNIT Jaipur



### Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Course	Place	Funding Agency	Date(s)
1	Dr. Srinivasa Rao Nelamarri	56th Refresher Course in Experimental Physics	Department of Physics, Panjab University, Chandigarh.	Panjab University, Chandigarh.	Feb. 11-26, 2014.
2	Dr. Rahul Singhal	Nanotechnology and its applications	Department of Metallurgical and Materials Engineering MNIT Jaipur	MNIT Jaipur	Oct. 07 – 10, 2013
3	Dr. Rahul Singhal	Frontier Materials	MNIT Jaipur	MNIT Jaipur	Aug. 12 – 17, 2013
4	Dr. Rahul Singhal	Characterization Techniques of Materials	Department of Physics, MNIT Jaipur	MNIT Jaipur	June 17 – 21, 2013
5	Subhayan Mandal	Induction Orientation Program	Jaipur	TEQIP	16 -20 Dec.-13

### 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. S. K. Sharma	IUAC, New Delhi	Visited low energy ion beam irradiation facility and research lab of Dr. K. Asokan.	March 11, 2014	
2.	Dr. Rahul Singhal	IUAC New Delhi	Research	July 2013	CPDA
3.	Dr. Rahul Singhal	IIT Roorkee	Research	Feb. 2014	CPDA
4.	Dr. Rahul Singhal	IUAC New Delhi	Research	Jan. 2014	CPDA

### Visitors to the Department

S. No.	Name of the Visitor	Designation	Affiliation	Purpose	Date (s)	Funding Agency
1.	Dr. R. B. S. Chauhan	Reader	RBS College Agra	Project Interveiw Committee member	Nov. 24 -25, 2013	IUAC/UGC Delhi
2.	Dr. K. Asokan	Scientist F	IUAC New Delhi	Talk in the one day workshop	Jan. 30 2014	MNIT Jaipur



### Seminar/Conference/Workshop/Short Term Course organized:

S No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date(s)	Funding Agency
1.	Prof. S. K. Sharma	Regional coordinator	KVPY interviews	MNIT, Jaipur	Jan. 19-22, 2014	IISC Bangalore and KVPY Bangalore
2.	Dr. K. Sachdev	Associate Professor	STC on "Frontier Materials"	MNITJ	Aug. 12-17, 2013	MNITJ
3.	Dr. Rahul, Dr. Vinod, Dr. Madhu	Assistant Professor, MNIT Jaipur	symposium on "Frontier Research in Materials"	MNIT Jaipur	Jan. 30, 2014	MNIT Jaipur
4.	Dr. K. Venkata Ratnam Kamma	Assistant Professor	One day event on Cosmos	MNIT Jaipur	March 12, 2014	MNIT Jaipur

### DEPARTMENT OF MATHEMATICS

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1.	Dr. Ritu Agarwal	'Induction Training Programme' conducted by 'National Institute of Technical Teachers Training and Research, Chandigarh	MNIT, Jaipur	TEQIP, MNIT, Jaipur	Dec. 16-20, 2013
2.	Dr. Ritu Agarwal	Short Term Training Programme on 'Matlab in Engineering'	MNIT, Jaipur	CPDA	Sept. 16-20, 2013

#### 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.	K C JAIN	Govt. Engineering College Ajmer	Delivering an Invited Lecture	Feb. 7, 2014	
2.	K C JAIN	Central University of Rajasthan	To attend a meeting of board of studies	April 16, 2014	



Seminar/Conference/Workshop/Short Term Course organized:

S. No.	Name of the Organizing Secretary	Designation	Title of Event	Place	Date(s)	Funding Agency
1.	Rashmi Jain ,Convener Dr. Sanjay Bhattar, Organizing Secretary Dr. Ritu Agarwal, Organizing Secretary	Professor Assistant Professor Assistant Professor	International Conference on Special functions and Applications (ICSFA)-2013,	MNIT, Jaipur	Dec. 13-15, 2013	TEQIP, CSIR
2.	Dr. Santosh Chaudhary	Assistant Professor	STC on Computational Techniques in Engineering and Sciences	MNIT, Jaipur	April 1-5, 2013	Self Finance

## DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCE

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

S. No.	Name of the Faculty	Title of Event	Place	Funding Agency	Date(s)
1	Dr. Vibhuti Singh Shekhawat	<i>India-US Cooperation: A Defining Partnership of 21<sup>st</sup> Century</i> during 7-8 Nov. 2013 by Department of Politics and International Studies, School of Social Sciences & International Studies, Pondicherry University, Pondicherry, participated and presented a paper entitled "The Indo-US Nuclear Deal In Retrospect".	Department of Politics and International Studies, School of Social Sciences & International Studies, Pondicherry University, Pondicherry	CPDA	Nov.7-8 2013
2	Dr. Vibhuti Singh Shekhawat	<i>The Changing Dimensions of Security: India's Security Options</i> during 17-18 Dec. 2013 by V.K. Krishna Menon Study Centre for International Relations, University of Kerala, Thriuvananthapuram, participated, Chaired one session and presented a paper, entitled "Terror on High Seas: The Changing Dimensions of Security".	V.K. Krishna Menon Study Centre for International Relations, University of Kerala, Thriuvananthapuram	CPDA	Dec.17-18 2013
3.	Dr. Dipti Sharma	<i>34th Annual Conference of the Rajasthan Economic Association</i>	St. Xavier's College Jaipur	CPDA	Jan.,17-19 2014



4.	Dr Preeti Bhatt	<i>National Seminar on the Power of the Short Story</i>	Kanoria PG Mahila Mahavidyalaya	CPDA	Feb., 15-16 2014.
5.	Dr Preeti Bhatt	<i>International Conference on Identity, Ecology and Culture in Twentieth Century Literatures.</i> Presented a paper titled "Mastering the World: The Problem of Identity in Angela Carter's 'Master' and Doris Lessing's 'Our Friend Judith.'"	Deptt. of English, University of Rajasthan, Jaipur	CPDA	Feb., 6-8 2014.
6.	Dr Preeti Bhatt	<i>National Seminar on Rethinking 1840-1940 - Concepts, Ideologies, Thought: India &amp; Europe.</i> Presented a paper titled "Modernist Impulses in Katherine Mansfield's Stories in <i>In a German Pension.</i> "	Institute for Research in Interdisciplinary Studies, Jaipur.	CPDA	Sep., 21-22 2013.

#### Participation of Faculty in Short Term Courses in India

S. No.	Name of the Faculty	Name of the Course	Place	Funding Agency	Date(s)
1.	Dr. Dipti Sharma	Faculty Development Program on 'Demystifying Derivatives'	Department of Management Studies, MNIT Jaipur	CPDA	Oct. 7-11, 2013

#### Guest Lectures Organized in the Department

S. No.	Name of Speaker	Designation & Affiliation	Topic of Invited Lecture	Date	Funding Agency
1.	Dr L.K. Kothari	Retired as Prof. and Head, Deptt. of Physiology SMS Medical College, Jaipur	Professional Ethics, Integrity and Values	Sept., 30, 2013	MNIT Jaipur
2.	Ms Harsha Rohit	CEO HR Trikaya, Jaipur	Attitude, Time Management and Consistency	Nov., 18, 2013	MNIT Jaipur



### 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. Nupur Tandon	MGD Girls' School, Jaipur	Board of Governors meeting	May, 15, 2013	---
2.	Dr. Nupur Tandon	JECRC, Kukas	Selection Committee for Recruitment of Faculty	July 29, 2013	----
3.	Dr. Nupur Tandon	ICG, Jaipur	External Expert, M.A. (Final) Practical	Aug., 2013	
4.	Dr. Nupur Tandon	J.K. Lakshmi Pat University, Jaipur	Exam. External Expert, Board of Studies	April, 2013	--
5.	Dr. Preeti Bhatt	Kanoria PG Mahila Mahavidyalaya	To participate in the <i>National Seminar on the Power of the Short Story</i>	Feb. 15-16, 2014.	CPDA
6.	Dr. Preeti Bhatt	Deptt. of English, University of Rajasthan, Jaipur	Presented a paper titled "Mastering the World: The Problem of Identity in Angela Carter's 'Master' and Doris Lessing's 'Our Friend Judith.'" <i>International Conference on Identity, Ecology and Culture in Twentieth Century Literatures.</i>	Feb. 6-8, 2014.	CPDA
7.	Dr. Preeti Bhatt	Institute for Research in Interdisciplinary Studies, Jaipur.	Presented a paper titled "Modernist Impulses in Katherine Mansfield's Stories in <i>In a German Pension.</i> " <i>National Seminar on Rethinking 1840-1940 - Concepts, Ideologies, Thought: India &amp; Europe.</i>	Sep., 21-22 2013.	CPDA

### Visitors to the Department

S. No.	Name of the Visitor	Designation	Affiliation	Purpose	Date(s)	Funding Agency
1.	Dr. L.K. Kothari	Retired as Prof. and Head, Deptt. of Physiology	SMS Medical College, Jaipur	To deliver a lecture on 'Professional Ethics, Integrity and Values'	Sept., 30 2013	MNIT Jaipur
2.	Ms. Harsha Rohit	CEO	HR Trikaya, Jaipur	To deliver a lecture on 'Attitude, Time Management and Consistency'	Nov., 18 2013	MNIT Jaipur



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. Dipti Sharma Mrs. Nanny Tripathi	Assistant Professor Asso. Professor	Personality Development Workshop for Students	MNIT Jaipur	Aug., 2 - 3 2013	TEQIP
2.	Dr Preeti Bhatt & Mrs Nanny Tripathi	Assistant Prof., Associate Prof.	National Workshop on Modern Approaches to English Language Teaching	MNIT, Jaipur	Aug. 16- 17 2013	MNIT, Jaipur

#### 11.7 LIST OF CANDIDATES PURSUING/AWARDED PH.D. OR M.TECH. DEPARTMENT OF ARCHITECTURE AND PLANNING

##### List of Candidates Awarded M. Plan. Degree

S.No.	Name of Student	Supervisor	Title of Thesis	Status
1.	Aanya Singh Hada	AR. Niruti Gupta	Challenges and strategies for improving walkability in a historic urban core- a case of Udaipur old city	Awarded
2.	Anil Malik	Ar. Kalpana Pandit	Fire hazard vulnerability analysis of urbanized villages of Delhi: a case of Katwaria Sarai village in South Delhi	Awarded
3.	Ankita Mishra	Ar. Tarush Chandra	Role of Planning approaches in defining transformation in residential area: a case of selected areas of Jaipur city	Awarded
4.	Ashish Sangwan	Prof. Alok Ranjan	Urban water management: a case study of Faridabad city	Awarded
5.	K. Uday Lakshmi	Prof. Rajeev Shringi	Impacts of coaching institutes on transformation of residential areas: a case of Kota city	Awarded
6.	K.Suvashika	Ar. Ram Niwas Sharma	Urban street vending: a case of selected areas of Jaipur city	Awarded
7.	Prashanta Kumar	Dr. Satish Pipralia	An Assessment of bus rapid transit system of phase -I: a case study of Jaipur city	Awarded
8.	Sunil Kumar	Dr. Ashwani Kumar	Strategies for solid waste management in Jammu city	Awarded
9.	Umesh Kumar	Ar. Pooja Nigam	Benchmarking of public bus transport services: a case study of Chandigarh city	Awarded



## DEPARTMENT OF CIVIL ENGINEERING

### List of Candidates Awarded/Pursuing Ph. D. Degree

S. No.	Name	Guide	Area/Title	Status
1.	Lokesh Meena	Dr. Putul Haldar	Seismic Performance and Vulnerability of Open Ground Storey Buildings in India	Pursuing
2.	Gaurav Sancheti	Dr. Vinay Agrawal	Conceptual Design of Post Tensioned Slabs using Artificial Neural Networks	Pursuing
3.	Vinay Chandwani	Dr. Vinay Agrawal	Predicting Cost for RCC Underground Rectangular Water Tanks at Conceptual Design Stage using Hybrid Artificial Neural Networks	Pursuing
4.	Sarabjeet Singh	Dr. Vinay Agrawal	Use of Granite powder waste	Pursuing
5.	Monica Ronchhiya	Dr. Vinay Agrawal	Use of AI in Plates and shells	Pursuing
6.	Dinesh Kumar Sharma	Dr. A K Vyas	Study Of Characterization And Application Of Copper Slag In The Hot Bituminous Mixes	Submitted in Dec 2013
7.	Sudarshan Kore	Dr. A K Vyas	Use of marble waste in concrete mixes	Pursuing
8.	Kulshekhar Sharma	Dr. A K Vyas	A study on properties of concrete with ISF slag at elevated temperatures	Pursuing
9.	Parul gupta	Dr Sudhir Kumar	Characterization of Dust aerosols from Dust strom and their role in exacubation of asthma	Awarded
10.	Jashree Kala	Dr Sudhir Kumar	Urban water management:A case study	Pursuing
11.	Sushindra Kr. Gupta	Dr. A. S. Jethoo	Water Resource Engineering	Pursuing
12.	Gargi Sharma	Dr.U Brighu	Wastewater Treatment	Pursuing
13.	Priya	Dr.U Brighu	Wastewater Treatment	Pursuing
14.	Rajesh Poonia	Dr.U Brighu	Rural water Supply	Pursuing
15.	Mr. Lalit Joshi	Prof.Dr A B Gupta and Dr. J. Mathur	Particulate pollution in rural indoor environs	Pursuing
16.	D.R. Jangid	Prof. Dr A B Gupta Dr. R.K. Vyas	Optimization of sewage treatment in the presence of dyes	Pursuing
17.	Saakshi	Prof. Dr A B Gupta Dr Kailash Singh	Treatability studies for paper and pulp industry effluent	Pursuing
18.	Kavita	Dr. K.D. Gupta Prof. Dr A B Gupta	Disinfection of sewage	Pursuing
19.	Abhishek Gupta	Prof. Dr A B Gupta Dr J. Mathur	Indoor air quality modeling	Pursuing
20.	Rajshree Charan	Dr. S.D. Bharti	Prediction of Earthquake Behavior of Buildings Using Neural Networks	Pursuing



21.	Arnav Anuj Kasar	Dr. S.D. Bharti	Seismic Behavior of Steel Moment Resistance Frame	Pursuing
22.	Deepak Khandelwal	Dr. S.D. Bharti	Seismic Analysis of lifeline Structures	Pursuing
23.	Blessen.S.Thomas	Dr. R. C. Gupta	An Investigation on the Behavior of Concrete with Discarded Rubber Tyres as Aggregates	Pursuing
24.	Dipak N. Kongre	Prof. Rohit Goyal	Water Resource Management Study of Proposed Parbati–Kalisindh–Chambal Link Project	Awarded in Nov. 2013
25.	A.D. Vyas	Prof. Rohit Goyal	Doing Coursework	Ongoing
26.	Kuldeep	Prof. Rohit Goyal	Doing Coursework, Impact of Climate Change on Snow Cover	Ongoing
27.	Mr. Rajneesh Jain	Dr. Sumit Khandelwal	Remote Sensing & GIS Applications	Awarded
28.	S. A.A. Naqvi	Dr. Sandeep Chaudhary	Experimental and Numerical Studies for the Behaviour of Interlocking Masonry	Awarded
29.	Trilok Gupta	Dr.Sandeep Chaudhary	Utilisation of Waste Rubber Tire in Concrete	Pursuing
30.	Pankaj Kumar	Dr.Sandeep Chaudhary	Experimental and Analytical Studies on the shear connections in composite beams	Pursuing
31.	Sanjay Gupta	Dr.Sandeep Chaudhary	Fine aggregates for high strength concrete	Pursuing
32.	Salma Banu	Dr.Sandeep Chaudhary	Utilisation of Stone Dust in Concrete	Pursuing
33.	Santosh Pingle	Dr. M. K. Jat and Prof. Deepak Khare	Integrated Urban Water Management Modelling Considering Climate Change	Awarded
34.	Rohitashw Kumar	Dr. M. K. Jat and Dr. Vijay Shankar	Modelling of Moisture Uptake by Plants in a Multi-Layer Soil	Submitted
35.	Gargi Sharma	Urmila Brighu and Dr. M. K. Jat	Wastewater Treatment Through Constructed Wetlands With Special Concern of Microbial Contaminant Removal	Pursuing
36.	Sushila Dahiya	Dr. M. K. Jat and Prof. P. K. Garg	Development of an Approach for Building Extraction From Satellite Image	Pursuing
37.	M. N. Pande	Dr. M. K. Jat and Dr. M. Choudhary	Rainfall-runoff Modelling in Urbanised Catchments	Pursuing
38.	Yuddhveer Singh	Dr. M. K. Jat and Dr. Athar Hussain	Stormwater Management Modelling	Pursuing
39.	Surendra Singh	Dr. M. K. Jat	Climate Change and its Adaptation Measures	Pursuing
40.	Vinit Gupta	Dr. M. K. Jat and Dr. Vijay Shankar	Integrated Water Management Modelling	Pursuing
41.	Suchi Mala	Dr. Mahesh K. Jat		Pursuing



42.	Sarbjeeet Singh	Dr Ravindra Nagar Dr Vinay Agarwal	Strength And Durability Studies On Concrete Containing Granite Cutting Waste As Partial Replacement Of Sand	Pursuing
43.	Gaurav Sancheti	Dr Ravindra Nagar Dr Vinay Agarwal	Application Of Artificial Neural Networks For Conceptual Design Of Pt Slabs	Pursuing
44.	Vinay Chandwani	Dr Ravindra Nagar Dr Vinay Agarwal	Predicting Cost For Rcc Underground Rectangular Water Tanks At Conceptual Design Stage Using Hybrid Artificial Neural Networks	Pursuing
45.	Monica Ronchhiya	Dr Ravindra Nagar Dr Vinay Agarwal	Application Of Hybrid Neural Networks In Structural Engineering	Pursuing
46.	Manoj Panwar	Dr Ravindra Nagar Dr Amar Patnayak	Wear And Fracture Characterize Of Stone Dust Filled Polymer Composite For Wind Turbine Blade	Pursuing
47.	Bhargav Trajwal	Dr Ravindra Nagar Dr Har Lal Mali	Study Of Morphology And Physical, Mechanical & Thermal Properties Of Various Stones With A View To Optimise Their Cutting & Machining Parameters	Pursuing
48.	Dinesh Kumar Sharma	Dr. B.L.Swami	A Comprehensive Study On Characterization And Application Of Copper Slag In Hot Mix Asphalt	Pursuing
49.	Neha Sharma	Dr. B.L.Swami	Application of ITS for improving Road Safety in India'	Pursuing
50.	Raj R.D. Kirori	Dr. B.L.Swami	Application of ITS for improving Road Safety in India'	Pursuing



### List of Candidates Awarded/Pursuing M. Tech. Degree

S. No.	Name of Student	Supervisor	Title of Thesis	Status
1	Sharad Pratap Singh	Dr. Vinay Agrawal	Analysis of Skew Composite Bridges for Load Distribution Factors	Awarded
2	Pushpendra Biwal	Dr.Vinay Agrawal	Effect of Polymer Fibre in Concrete	Completed
3	Arpit Porwal	Dr.Vinay Agrawal	Optimum Design of Welded Steel plate Girder using Genetic Algorithm	Awarded
4	Ankit Srivastava	Dr Sudhir Kumar & Mahesh Kumar	Correlation of Temperature rise in Malaria cases augmenataion	Pursuing
5	Vishal Singh	Dr Sudhir Kumar & M.K. Jat	Impact of temperature on Dungue	Pursuing
6	O A Shereena	Dr. P V Ramana/ Dr.M K Shrimali	Structural Response Variability Using Stochastic Finite Element Method	Awarded
7	Aditya Rana	Dr.Pawan Kalla	Durability Studies on Concrete Containing Mineral Admixtures (Kota Stone, Marble Slurry, Rice Husk Ash)	Awarded
8	Abhinav Ahuja	Dr.U Brighu	Biodegradation of distillery sludge by rotary drum composting	
9	Swati Singh	Dr.U Brighu	Biodegradation of distillery sludge by pile composting	
10	B.S. Ramachandar	Prof. Dr A B Gupta	Electricity generation From Municipal Solid Waste Using Single Chamber Membrane less Microbial Fuel Cell	Awarded)
11	Tuli Biswas	Prof. Dr A B Gupta	Treatment Of Black Liquor By Specific Fungi And Mixed Bacterial Cultures	Awarded
12	Sandeep Singh	Prof. Dr A B Gupta	Sewage chlorination in batch and step dosing	Awarded
13	Aditya Sharma	J. K. Jain	Feasibility study of Rajsamand-Bhilwara Route Using Net Present Value Method	Awarded
14	Shashank Singh	J. K. Jain	Optimisation of Traffic signal Timings at an Isolated intersection using Genetic Algorithm	Awarded
15	Shrawan Mahawar	J. K. Jain	Study of PMGSY Roads in Bikaner	Awarded
16	Mr. Ankit Sharma	Prof. Rohit Goyal	Sediment Flux Modeling using Artificial Neural Network: Case Study of Beas River	Pursuing
17	Pankaj Kumar	Dr. Sandeep Chaudhary	Experimental Investigations for Shear Bond Strength of Steel and Concrete Bonded by Epoxy	Awarded



18	Rupesh Ramesh Gawas	Dr. Sandeep Chaudhary	Optimisation of Simply Supported Beams Using Genetic Algorithm Technique	Awarded
19	Vipin Upadhyay	Dr. M. K. Jat	Risk Assessment of Petroleum Fire Using Geo-spatial Techniques	Awarded
20	Parul Pradhan	Dr. M. K. Jat	Drought Assessment for Jodhpur District of Rajasthan State	Awarded
21	Sarbjeeet Singh	Dr. Ravindra Nagar	Effect of Utilization of Granite Waste in Concrete on Strength and its Durability Aspects	Awarded
22	Vishal Singhal	Dr. Ravindra Nagar	Utilization of Marble Powder waste in Concrete as Partial replacement of Cement and Sand	Awarded
23	Shailendra shing	Dr. B.L.Swami	Road Accident Analysis Using GIS	Awarded
24	Sanddeep Sharma	Dr. B.L.Swami	Design of Pavement Structure- A case Study	Awarded
25	Ajay Kumar Mandrawalia	Dr. Arun Gaur	Laboratory study on SBS Modified Bitumen with Titan Polymer	Awarded
26	Shivnath Mehra	Dr. Arun Gaur	Laboratory Evaluation of CRMB Modified Bitumen Mixes with Titan Polymer	Awarded
1.	Khushboo Meeena	Dr. Sandeep Shrivastava, Dr. Sandeep Choudhary	Coursework completed	Pursuing
2.	Poonam Shekhawat	Dr. Sandeep Shrivastava	Coursework completed	Pursuing
3.	Mohit Tripathi	Dr. Sandeep Shrivastava	Coursework completed	Pursuing
4.	T S Pooja	Dr. P V Ramana	Fracture Mechanics	Pursuing
5.	A Surendra	Dr. P V Ramana/ Dr. M K Shrimali	Structural Health Monitoring	Pursuing
6.	Vivek Tanwar	Dr. P V Ramana	Mathematical Models	Pursuing
7.	Pradeep Kr. Gautam	Dr. A. S. Jethoo	Water Resource Engineering	Pursuing
8.	Ankit Vyas	Dr. A. S. Jethoo	Water Resource Engineering	Pursuing
9.	Abhimanyu Singh	Dr. A. S. Jethoo	Disaster Management	Pursuing
10.	Abhigyan Anand	Dr. A. S. Jethoo	Disaster Management	Pursuing



## DEPARTMENT OF CHEMICAL ENGINEERING

### List of Candidates Awarded/Pursuing Ph.D. Degree

S. No.	Name of student	Supervisor	Topic	Status
1.	Sushant Upadhyaya	1.Prof. S.P. Chaurasia 2. Dr. Kailash Singh	Mathematical modeling and experimental study of vacuum membrane distillation for desalination	Thesis Submitted on 31 <sup>st</sup> March, 2014
2.	Jitendra Kr. Singh	Prof. S.P. Chaurasia	Studies on vacuum membrane distillation for desalination	Pursuing
3.	Ashok Singh	1. Prof. S.P. Chaurasia 2. Prof. Ajay K. Dalai	Biodiesel production using natural materials as catalyst	Pursuing
4.	Avadh Oza	1. Prof. S.P. Chaurasia 2. Prof. Ajay K. Dalai	Studies on bioethanol production	Pursuing
5.	Sunil Rajoria	V.K.Saharan	Development of advanced oxidation techniques based on hydrodynamic cavitation for the degradation of biorefractory pollutants	Pursuing
6.	Neha Sharma	Dr. Kailash Singh	Machine learning based control of TAME and isopropyl acetate reactive distillation column	Awarded
7.	Rajeev Dohare	Dr. Kailash Singh	Artificial neural network predictive control of a dividing wall column	Pursuing
8.	Saakshy	Dr. Kailash Singh	Assessing possibilities for recycling and reuse of waste water in handmade paper industry	Pursuing
9.	Isha Arya	Dr. S. K. Jana	Analyses of gas -liquid and gas -liquid-solid foam-bed reactors	Pursuing
10.	Avanish Kumar	Dr. S. K. Jana	Absorption accompanied by chemical reaction of SO <sub>2</sub> in selected gas -liquid and gas-liquid-solid systems	Pursuing
11.	Praveen Mishra	Dr. S. K. Jana	Adsorptive removal of toxic metal ions from effluents using PU -nanoadsorbent composites	Pursuing
12.	Ms. Swati Jain	Dr. Prabhat Pandit and Dr. R. K. Vyas	Studies on Adsorptive Removal of Acyclovir from Aqueous Solutions	Awarded
13.	Ms. Parul Bhatt	Dr. R. K. Vyas Co-Supervisor: Dr. Prabhat Pandit	Studies on Removal of Reactive Blue 19 and Direct Red 81 Dyes from Wastewater using Adsorption and Electrocoagulation	Awarded
14.	Ms. Monika Maheshwari	Dr. R. K. Vyas	Studies on Removal of Ciprofloxacin Hydrochloride from Aqueous Solution using Adsorption and Advanced Oxidation Processes	Awarded
15.	Poonam Mondal	Dr Suja George	Study on Calcium based compounds for Defluoridation of Drinking water	Pursuing
16.	Dheeraj	Dr Suja George	Study on Marble slurry for production of Hydroxyapatite	Pursuing



### List of Candidates Awarded M. Tech. Degree

S.No.	Name of Student	Supervisor	Title of Thesis	Status
1.	Keshav Dev	Dr.Sushant Upadhyaya	Study on Adsorption for Arsenic Removal Using Modified Wheat Straw	Awarded
2.	Kuldeep Roy	Dr. V.K.Saharan	CFD study of hydrodynamic cavitation reactor	Pursuing
3.	Akhil Saini	Dr. Kailash Singh	CFD simulation of Fischer-Tropsch reaction in a microchannel reactor	Awarded
4.	Karuppusamy A.	Dr. Kailash Singh	Modelling simultaneous saccharification and fermentation of cellulose to ethanol and process control using neural network	Awarded
5.	Khushboo Mishra	Dr. Kailash Singh	Modelling and simulation of urea release from polymer coated urea fertilizer	Awarded
6.	Ms.Supreeti	Dr. Rajeev Kumar Dohare	Two phase CFD modeling of turbulent convective heat transfer of dilute CuO/water nanofluid	Awarded
7.	Mr. Mukesh Kumar	Dr. Rajeev Kumar Dohare	Control of non-isothermal continuous stirred tank reactor	Awarded
8.	Vivek Yadav	Dr. S. K. Jana (Co-supervisor)	Modelling and Simulation of Membrane Reactor	Awarded
9.	Mr. Umesh Sharma	Dr. R. K. Vyas	Study on Adsorption of Methylene Blue on Granular Activated Carbon (GAC)	Awarded
10.	Mr. Sandeep Dahiya	Dr. R. K. Vyas	Kinetics, Equilibrium and Thermodynamics of Amoxicillin Adsorption on GAC	Awarded
11.	Akhilesh Kumar Kushwah	Dr. S.P.Chaurasia	Removal of Boron from water using vacuum membrane distillation	Awarded
12.	Vijay sankar Gautam	Dr. S.P.Chaurasia	Nitrate removal by vacuum membrane distillation from water	Awarded
13.	Alka Dubey	Dr. S.P.Chaurasia	Ethanol water separation using vacuum membrane distillation	Pursuing
14.	Jyoti Jain	Dr. S.P.Chaurasia	Study on nitrate removal from water using membrane technology	Pursuing
15.	Prachi	Dr Suja George	Fluoride removal Studies using Magnesium & Calcium amended Alumina	Awarded
16.	Pritam Dey	Dr. Madhu Agarwal	adsorptive removal of hexavalent chromium from synthetic solution and industrial effluent using chemically synthesized iron oxide nanoparticles	Awarded
17.	Prashant patel	Dr. Madhu Agarwal	Removal of Cr (VI) using various natural bioadsorbents	Awarded



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### List of Candidate Awarded/Pursuing Ph.D. Degree

S. No.	Name of student	Supervisor	Topic	Status
1.	Mohit Kumar Gokhroo	Dr. M. C. Govil Dr. E. S. Pilli	Fault Tolerance	Pursuing
2.	Preeti Mishra	Dr. E. S. Pilli	Cloud Security	Pursuing
3.	Anand Kumar Mishra	Dr. M. C. Govil Dr. E. S. Pilli	Cloud Forensics	Pursuing
4.	VED MITRA on	Dr. M. C. Govil	Embedded System	Pursuing
5.	MUKESH GUPTA	Dr. M. C. Govil	Vulnerability Analysis	Pursuing
6.	Vimal Kumar Soni	Dr. M. C. Govil Dr. Dinesh Gopalani	Natural Language Processing	Pursuing
7.	Rajat Goel	Dr. M. C. Govil	Security & SDLC	Pursuing
8.	Name KUNWAR PAL	Dr. M. C. Govil	Computer Networks & Live Streaming	Pursuing
9.	Anita Chaudhary	Dr. M. C. Govil	Cloud Computing	Pursuing
10.	Basant Agarwal	Dr. Namita Mittal	Efficient Feature Extraction methods for Sentiment Analysis	Pursuing
11.	Ankit Vidyarthi	Dr. Namita Mittal	on Medical Imaging	Pursuing
12.	Lokesh Kumar	Dr. Namita Mittal	Natural Language Processing	Pursuing
13.	Abhishek Kilak	Dr. Namita Mittal	Emotion Detection	Pursuing
14.	Subhash Panwar	Dr. Neeta Nain	Cursive and Language Adaptive Methodologies for Handwritten Text Recognition	Pursuing
15.	Prakash Chowdhary	Dr. Neeta Nain	Pattern Matching	Pursuing
16.	Tapas Badal	Dr. Neeta Nain	Hindi Handwritten Text Recognition and Correction	Pursuing
17.	Priyanka Gupta	Dr. Neeta Nain	Hindi Script Part of Speech Tagging Methodologies	Pursuing
18.	Ms. Preety Singh	Dr. M. S. Gaur Dr. Vijay Laxmi	Extraction of Prominent Articulators for Visual Speech Recognition	Awarded
19.	Ms. Jyoti Grover	Dr. M. S. Gaur Dr. Vijay Laxmi	Vehicular Ad hoc Network: Attack Model and Detection	Awarded
20.	Mrs. Reena Gunjan	Dr. M. S. Gaur Dr. Vijay Laxmi	Robust Watermarking Techniques in Digital Images	Awarded



21.	Sh. Chhagan Lal	Dr. M. S. Gaur Dr. Vijay Laxmi	Quality-of-Service Driven Routing for Video Streaming in Mobile Ad Hoc Networks	Pursuing
22.	Ms. Meenakshi Tripathi	Dr. M. S. Gaur Dr. Vijay Laxmi	Energy Efficient and Secure Routing for Clustered Wireless Sensor Networks	Pursuing
23.	Renu Kumawat	Dr. M. S. Gaur	Modelling and Synthesis of Nano-Scale Molecular Memory	Pursuing
24.	Anukram Mishra	Dr. M. S. Gaur Dr. Vijay Laxmi	Constrained Bandwidth Advanced Metering Infrastructure	Pursuing
25.	Sh. Manoj Bohra	Dr. M. S. Gaur Dr. Vijay Laxmi	Congestion & Fault-aware Routing in 2D and 3D networks	Pursuing
26.	Ms. Rimpay	Dr. M. S. Gaur Dr. Vijay Laxmi	Fault-tolerant Logic Based Distributed Routing for 2D NoC	Pursuing
27.	Sh. Anil Saini	Dr. M. S. Gaur Dr. Vijay Laxmi	Browser Vulnerabilities Assessment and Defense Techniques	Pursuing
28.	Sh. Parvez Faruki	Dr. M. S. Gaur Dr. Vijay Laxmi	Malicious App Detection in Android Platform	Pursuing
29.	Sh. Gaurav Singal	Dr. M. S. Gaur Dr. Vijay Laxmi	QoS-aware Multicast Routing Protocols in MANETs	Pursuing
30.	Ms. Sonal Yadav	Dr. M. S. Gaur Dr. Vijay Laxmi	Scalable and High-Bandwidth Memory-Hierarchy for NoC	Pursuing
31.	Ms. Priyanka Mitra	Dr. M. S. Gaur	Wireless NOC	Pursuing
32.	Sh. Buddhadev	Dr. M. S. Gaur	Android Security	Pursuing
33.	Ashish Sharma	Dr. M. S. Gaur	FPGA Emulation of NoC	Pursuing
34.	Gaurav Somani	Dr. M. S. Gaur	Modelling eDoS attacks in Clouds and Efficient Mitigation Techniques	Pursuing
35.	Smita Naval	Dr. Vijay Laxmi	Behavioral Modeling of Malware	Pursuing
36.	Yogesh Kumar Meena	Dr. Dinesh Gopalani	Automatic Text Summarization : Optimal Sentence Scoring	Pursuing
37.	Manish Jain	Dr. Dinesh Gopalani	A Framework using AOP approach for Software Testing	Pursuing
38.	Ramesh Babu Battula	Dr. M. S. Gaur Dr. Dinesh Gopalani	Path Aware and Spectrum Aware Routing Protocol for Cognitive Radio Based Mesh Networks	Pursuing



### List of Candidates Awarded M. Tech. Degree

S.No.	Name of Student	Supervisor	Title of Thesis	Status
1.	Kumari Nirjala	Yogesh Kr. Meena	Web usage mining	Awarded
2.	Arvind Kumar	Yogesh Kr. Meena	Question classification using deep neural networks	Awarded
3.	Preeti Joshi	Dr. Neeta Nain	Image Vectorization	Awarded
4.	Sanatan Sukhija	Dr. Neeta Nain	Handwritten Character Recognition	Awarded
5.	Sumit Verma	Dr. Namita Mittal	Hybrid Recommender System based on Fuzzy C-Means Clustering and Collaborative Filtering	Awarded
6.	Vijay Kumar Sharma	Dr. Namita Mittal	Semantic Orientation Based Approaches for Sentiment Analysis	Awarded
7.	Naveen dabley	Dr. Namita Mittal	HYBRID APPROACH FOR AUTOMATIC TEXT SUMMARIZATION	Awarded
8.	Krishna Kumar	Meenakshi Tripathi	Security Attacks in MANET	Awarded
9.	Jitender	Meenakshi Tripathi	Attacks and detection Mechanism in wireless networks	Awarded
10.	Rahul Hada	Meenakshi Tripathi	A novel method to prevent Wormhole attack in MANET	Awarded
11.	Vaibhav Dhore	Dinesh Gopalani	High Availability of Hadoop Cluster	Awarded
12.	Manu Shrivastava	Dinesh Gopalani	Ahead of Time Compiler for Android Devices	Awarded
13.	Manoj Kumar Yadav	Dr. M. S. Gaur	Security Issues in Web Services and Live Migration of Xen Cloud Platform	Awarded
14.	Nishi Tomar	Dr. M. S. Gaur	Network Covert Channels: Implementation, Analysis and Countermeasures	Awarded
15.	Virendra Singh	Dr. M. S. Gaur	Browser Vulnerabilities	Awarded
16.	Pradeep Singh	Dr. Vijay Laxmi	Identification of Clean and Infected Shell Scripts	Awarded
17.	Ravi Bhushan Kashyap	Dr. Vijay Laxmi	Browser Exploits: Data Leak through Cookies	Awarded
18.	Virendra Singh	Dr. Vijay Laxmi	Browser Vulnerabilities	Awarded
19.	Pankaj Kumar	Ramesh Babu B	A New Routing Metric for WMN	Awarded
20.	Rajeswari N	Ramesh Babu B	A New Routing Protocol for CRWMN	Awarded



## DEPARTMENT OF ELECTRICAL ENGINEERING DEPARTMENT

### List of Candidate Awarded/Pursuing Ph.D. Degree

S. No.	Name of Student	Supervisor	Status
1.	Ms. Kusum Verma	Prof. K. R. Niazi	Awarded
2.	Sh. Rajive Tiwari	Dr. Vikas Gupta Prof. K. R. Niazi	Awarded
3.	Sh. Pushendra Singh	Prof. Mool Singh Prof. D. P. Kothari	Awarded
4.	Sh. Ajay Kumar Bansal	Prof. R.A. Gupta Dr. Rajesh Kumar	Awarded
5.	Sudhanshu Gupta	Dr H P Tiwari Prof Manoj Fozdar	Pursuing
6.	Shahbaz Ahmed Siddiqui	Prof Manoj Fozdar Prof K R Niazi	Pursuing
7.	ManzoorAbid Ali	Prof Manoj Fozdar Prof K R Niazi	Pursuing
8.	Bharat Bhushan Jain	Prof R A Gupta Prof Bhim Singh	Pursuing
9.	Aakash Saxena	Dr. Vikas Gupta	Pursuing
10.	Virendra Swaroop Sangtani	Prof. R.A. Gupta Dr. Rajesh Kumar	Pursuing
11.	B C Kharbas	Prof Manoj Fozdar Dr H P Tiwari	Pursuing
12.	Parul Mathuria	Dr RohitBhakar	Pursuing
13.	Ms Prerna Jain	Dr RohitBhakar Prof. S N Singh	Pursuing
14.	Pramod Kumar Bhatt	Prof R A Gupta	Pursuing
15.	Vinay Kumar Jadoun	Prof K R Niazi Dr. Nikhil Gupta	Pursuing
16.	Dhanraj Chitara	Prof K R Niazi	Pursuing
17.	Gulshan Sharma	Prof K R Niazi	Pursuing
18.	Narayanan K	Prof Manoj Fozdar	Pursuing
19.	Amita Sharma	Dr H P Tiwari Dr Rohit Bhakar	Pursuing
20.	PradeepAnjana	Dr Vikas Gupta Dr H P Tiwari	Pursuing
21.	Mirtunjay Kumar Modi	Dr. Anil Swarnkar	Pursuing
22.	NeerajKanwar	Dr. Nikhil Gupta Prof. K.R. Niazi	Pursuing
23.	Kailashch. Sharma	Dr RohitBhakar Dr. H. P. Tiwari	Pursuing
24.	Nand Kishore Gupta	Prof R A Gupta	Pursuing
25.	Manoj Kumawat	Dr.nitin Gupta	Pursuing
26.	Mukesh Shah	Dr. Nikhil Gupta	Pursuing



27.	P. K. Agrawal	Dr. Nikhil Gupta	Pursuing
28.	Shalini Pal	Dr. Rajesh Kumar	Pursuing
29.	Nand Kishore Meena	Dr. Anil Swarnkar	Pursuing
30.	KadamVashishtha	Dr.KusumVerma	Pursuing
31.	Saurabh Ratra	Dr.RajiveTiwari	Pursuing

#### List of Candidates Awarded M. Tech. Degree

S.No.	Name of Student	Supervisor	Status
1.	Ajeet Kumar	Dr. Anil Swarnkar	Awarded
2.	Akhil Gupta	Ms. Nikita Jhahharia	Awarded
3.	Arjun Singh	Prof. Manoj Fozdar	Awarded
4.	Arvind Siddh	Mr. Mukesh Shah	Awarded
5.	Gaurav Bhansali	Dr. Rajesh Kumar	Awarded
6.	Jay Prakash Keshri	Dr. H. P. Tiwari	Awarded
7.	Kritika Saxena	Ms. Purna Jain	Awarded
8.	Neha Agarwal	Dr. K.R. Niazi	Awarded
9.	Pankaj Kumar	Dr. Rohit Bhakar	Awarded
10.	R N Raghav	Ms. Kusum Verma	Awarded
11.	Sumit Gill	Sh. Rajive Tiwari	Awarded

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### List of Candidates Awarded/Pursuing Ph.D. Degree

S. No.	Name of student	Supervisor	Topic	Status
1.	Mr. Hitendra Gupta	Dr. K.K. Sharma, Prof. S.D. Joshi, IIT, Delhi	Fog-degraded Image Enhancement	Pursuing
2.	Mr. Jjankiballabh Sharma	Dr. K.K. Sharma, Dr. Vineet Sahula, M.N.I.T., Jaipur	Novel schemes for Image watermarking & Image fusion applications	Awarded
3.	Mr.Praveen Gupta	Dr. K.K. Sharma, Prof. S.D. Joshi, IIT, Delhi	ECG signal modeling	Pursuing
4.	Mr. Deepak Jhanwar	Prof. S.G. Modani, Dr.K.K. Sharma, M.N.I.T., Jaipur	Novel Techniques for discrimination of different environmental background noise mixed with speech signal	Pursuing
5.	Mr. Sanyog Rawat	Dr.K.K. Sharma, M.N.I.T., Jaipur	Microstrip Antenna	Pursuing



S. No.	Name of student	Supervisor	Topic	Status
6.	Mr.Shasikant Sharma	Dr. C. Periasamy	Fabrication and Characterization of Nanostructured ZnO Thin Film Based Piezoelectric Devices for Energy Harvesting Applications	Pursuing
7.	RUKHSAR ZAFAR	Dr. Mohd. Salim	DEVELOPMENT of EFFICIENT PLASMONIC STRUCTURES	Pursuing
8.	PRAVEEN KUMAR JAIN	Dr. Mohd. Salim	STUDY and ANALYSIS of RADIO FREQUENCY EFFECTS on HUMAN BEINGS	Pursuing
9.	AARTI SHARMA	Dr. Mohd. Salim	DESIGN and ANALYSIS of EFFICIENT TURBO CODES for FIFTH GENERATION MOBILE COMMUNICATION	Pursuing
10.	SUDHIR KESHARI	Dr. Mohd. Salim	PERFORMANCE of FRACTIONAL FOURIER TRANSFORM S and EVOLUTION in IMAGE CRYPTOGRAPHY	Pursuing
11.	Anup Sharma	Dr. Ritu Sharma	Isoporous CNT for water Purification	Pursuing
12.	Shanky Saxena	Dr. ritu Sharma	MEMS based piezoelectric and piezo magnetic sensors	Pursuing
13.	Mrs. Seema Yardi	Dr. D. Boolchandani	Lab on Chip : Detection of Pathogen From Body Fluid/water/food Using Optical Sensing	Pursuing
14.	Mr.Tarun Varma	Dr. D. Boolchandani	Fabrication and Characterization of Zinc Oxide Thin Film for Opto Electronic Device Applications.	Pursuing
15.	Mr. Vimal Agarwal	Dr. D. Boolchandani	Photonic Integrated Circuits	Pursuing
16.	Ms. Sapna Khandelwal	Dr. D. Boolchandani	Reliability and Process Aware SVM Based Macro Models for Analog Circuits	Pursuing



17.	Mr. Yashwant Singh	Dr. D. Boolchandani	Design of Low Leakage SRAM Circuits With Improved Yield and Reliability	Pursuing
18.	Mahanth Prasad	Dr. Vineet Sahula	Design, Process Development and Characterization of ZnO-Based MEMS Acoustic Sensor (Synopsis Submitted)	Awarded
19.	R. A. Patil	Dr. Vineet Sahula	Algorithms for Machine Vision and Their Hardware/software Implementation	Pursuing
20.	Mrs. Renu Kumawat	Dr. Vineet Sahula	Nano-Scale Reliable Memory Architectures	Pursuing
21.	Lokesh Garg	Dr. Vineet Sahula	Variability Aware System Level Design	Pursuing
22.	Dhirendra Mathur	Dr. Vineet Sahula	Investigations of New Approaches of Design and Applications of Microstrip Patch Antennas for System-on-Package Applications and Implementation of a 2.45GHz Rectenna Circuit (Synopsis Submitted)	Submitted
33	Shanky Saxena	Dr. Ritu Sharma	Design of PZT Cantilever energy harvester	Pursuing
34	Anup Sharma	Dr. Ritu Sharma	Design and Fabrication of CNT for electronics application like diode, etc.	Pursuing
35	Lalit Dusad	Dr. Ritu Sharma	Si nanowire for solar cell application	Pursuing
36.	Nagesh Janrao	Dr V Janyani	Design and Analysis of Photonic Crystal Waveguides for Slow Light and Dispersion Compensation Applications	Awarded
37	Sanjeev Metya	Dr V Janyani, Prof S G Modani	Optical Coding Schemes	Submitted
38.	Nikhil Deep Gupta	Dr V Janyani	Photonic Crystal Based Solar Cells for Enhanced Efficiency	Pursuing
39.	Amit Garg	Dr V Janyani	Energy Efficiency in Optical Networks	Pursuing



40	Sanjay Sharma	Prof R P Yadav, Dr V Janyani	Substrate noise reduction in VLSI circuits	Pursuing
41	Deepender Kant	Dr V Janyani, Sh L M Joshi	Design Studies on New Variants of Klystron Amplifier	Pursuing
42	Nagesh Janrao	Dr V Janyani	Design and Analysis of Photonic Crystal Waveguides for Slow Light and Dispersion Compensation Applications	Awarded
43	Sanjeev Metya	Dr V Janyani, Prof S G Modani	Optical Coding Schemes	Submitted
44	Nikhil Deep Gupta	Dr V Janyani	Photonic Crystal Based Solar Cells for Enhanced Efficiency	Pursuing
45	Mr. Mukesh Kumar Gupta	Dr. Ghanshyam Singh	Modeling and analyses of Optical Networks	Pursuing
46	Mr. Sandeep Vyas	Dr. Ghanshyam Singh	Special photonic crystal fibers	Pursuing
47	Mrs. Monika Mathur	Dr. Ghanshyam Singh	Evaluation of Microstrip Antenna using concepts of Dielectric Engineering	Pursuing
48	Mrs. Shruti Kalra	Dr. Ghanshyam Singh	Optical device designs	Pursuing
49	Mr. Asish Ghunawat	Dr. Ghanshyam Singh	Photonic Amplification devices	Pursuing
50	Mr. Saurabh Sahu	Dr. Ghanshyam Singh	Optical communication	Pursuing
51	Nikita Sharma	D.C.Periasamy	Design and Development of GaAs Based HEMT Transistor and Its Applications	Pursuing
52	Lintu Rajan	Dr. Vineet Sahula / Dr. C. Periasamy	Design and Fabrication of Nano Structured ZnO Thin Film Based Devices for Gas Sensing Applications	Pursuing



**List of Candidates Awarded M. Tech. Degree  
M. Tech. ECE**

<b>S. No.</b>	<b>Student Id</b>	<b>Student Name</b>	<b>Dissertation Title</b>	<b>Supervisor</b>
1	2011PEC5009	Durgesh Kumar	Reconfigurable all optical logical gates using non linear characteristics of semiconductor optical amplifier	Dr. Ghanshyam Singh
2	2011PEC5037	Jang Bahadur Singh	Comparative study of solid core circular air hole and solid core square air hole photonic crystal fiber using hexagonal and rectangular patterning	Dr. Ghanshyam Singh
3	2011PEC5255	Ajeet Gautam	Design and comparative analysis of Cross gap coupler using linear and taper waveguide as cross sectional gap	Dr. Ghanshyam Singh
4	2011PEC5327	Praveen Chaurasia	Investigation of Effect of cladding holes patterning on performance of a SiO <sub>2</sub> based Photonic crystal fiber	Dr. Ghanshyam Singh
5	2011PEC5042	Priti	Image Fusion in transform domains using masking Techniques	Dr. K .K Sharma
6	2011PEC5167	Priya Mittal	Image Restoration Techniques in different transform domains	Dr. K .K Sharma
7	2011PEC5244	Priyanka Tiwari	Classification of Granite using SVD on RGV Component	Dr. K .K Sharma
8	2011PEC5248	Ankur Gupta	Logperiodic type PCF Structure and their propagation characteristics	Dr. K .K Sharma
9	2011PEC5325	Heena Jain	Image Enhancement using polar decomposition in transform domains	Dr. K .K Sharma
10		Teena Sharma	Performance Improvement Using QPP Interleaver For Turbo Codes In Wireless Channels	Dr. M. Salim
11	2010PEC118	Ramkesh Meena	Energy Efficiency analysis in wireless sensor network	Dr. M. Salim
12	2011PEC5252	Dharmendar Yadav	Analysis and design of tree based random interleaver turbo codes	Dr. M. Salim
13		Kilari Nagavasudev	Novel Outer Matrix Interleaving For Turbo Codes In Rayleigh Fading Wireless Channels	Dr. M. Salim
14	2011PEC5039	Kavita Chauthani	Design and Simulation of Photonic crystal waveguide using different doped materials	Dr. Ritu Sharma
15	2011PEC6006	Renu Sharma	RAMAN Amplifier and Hybrid optical amplifier for 32 channel DWDM System	Dr. Ritu Sharma
16	2011PEC5010	Jyoti Mahawar	Design of grating with knowledge of reflection spectrum and its application	Dr.V.janyani
17	2011PEC5251	Satish Kumar Jangid	All optical multilogic gate and photonic data selector based on phase modulation in highly non linear fiber	Dr.V.janyani



18	2011PEC5247	Amit Kumar Garg	A WDM Passive optical Network with simultaneous Centralized light source and broad cast capability	Dr.V.janyani
19	2011PEC5253	Jayant Kumar	Analysis of Defect in Photonic band Gap structure and its application in demultiplexing	Dr.V.janyani
20	2011PEC5323	Shashank Gupta	an all optical processing application based on semiconductor optical amplifiers logic gates	Dr.V.janyani
21	2011PEC5324	Ankit Sancheti	Secure steganography using nural networks	Mr. Rakesh Bairathi
22	2011PEC5326	Rahul Makkar	Performance Analysis of a variable backoff exponential algorithm for IEEE802.11 based mobile adhoc networks	Mr. Rakesh Bairathi
23	2011PEC5249	Shashank Gavel	Analysis and improvement of throughput for IEEE802.11 b IN presence for hidden notes	Mr.Rajkesh Birathi
24	2011PEC5036	Hari Mohan	Signal Remodulation in Hybrid WDM - TEDM passive optical networks	Mr.Tarun Verma

#### M. Tech. - VLSI Design

S. No.	Student Id	Student Name	Dissertation Title	Supervisor
1	2011PEV5147	Nannepamula Suresh	Ground bounce noise aware forward body biased MTCMOS circuit techniques for combinational circuits	Dr. C. Periasamy
2	2011PEV5172	G.Gnanadeep Reddy	a Power efficient high performance flip flop Design using conditional pulse enhancement techniques	Dr. C. Periasamy
3		Ashish Tyagi	Design, Simulation and Optimization of Piezoelectric Nano-Structures for Energy Harvesting	Dr. C. Periasamy
4		Ashish Kumar	Design and Simulation of Multilayer MicroCantilever Based Piezoelectric Pressure Sensor Using Finite Element Method	Dr. C. Periasamy
5		SHANU TRIPATHI	Performance Analysis of a-IGZO and Pentacene Based Thin Film Transistors	Dr. C. Periasamy
6		ABHILASH JAIN	Performance Analysis of Dual Insulator Graded Channel Double Gate MOSFET	Dr. C. Periasamy
7	2011PEV5143	Jeevan Jyoti Mani Trpathi	PLL Based Clock Generator for biomedical applications	Dr. D . Boolchandani
8	2011PEV5145	Manish Verma	Optimization and Compartive analysis of SRAM cell Topologies at 65 nm Technology	Dr. D . Boolchandani



9	2011PEV5148	Nupur Navlakha	Architectural level Subthreshold Leakage Power Estimation of Sram Array With its Pheripherals	Dr. D . Boolchandani
10	2011PEV5150	Pragya Pant	Auto Calibration of analog IP (SIRC/FIRC) & reset De-Assertion Check on automotive Soc	Dr. D . Boolchandani
11	2011PEV5155	Vijay Rajora	Power gated SRAM Circuits with Data Retention Capability and low leakage Sleep mode	Dr. D . Boolchandani
12	2011PEV5043	Sapna Manwani	Devlopment of GaAs Pin Detector for radiation detection and effect of gama ray Y ray irradiation on its characteristics	Dr. D . Boolchandani Mr. Tarun Verma
13	2011PEV5154	Dhiraj	Quantum dot senthsized solar cell-synthesis and characterization	Dr. D . Boolchandani Mr. Tarun Verma
14	2011PEV5242	Dipak Kumar Singh	Design and analysis of Decoders for error correcting codes in memory application	Dr. M. Salim
15	2011PEV5140	Chandra sekhar Banshiwal	Multi level flash memory on Chip error correction based on Trellis coded modulation	Dr.M.Salim
16	2011PEV 5153	Saima Cherukat	Modeling and design in Ultra deep submicron Technology	Dr.V. Sahula
17	2011PEV5138	A Mallikarjun Reddy	Implementation of eMMC 5.0 fetures for the mobile storage IP	Dr.V. Sahula
18	2011PEV5139	Bodapati Gopikrishna	Design and Verification of mobile high deffination link interface	Dr.V. Sahula
19	2011PEV5144	Kaligana Swaraj Gowtham	Efficient Utilization of Power in Phase locked loop Design	Dr.V. Sahula
20	2011PEV5152	Ramesh Kumar	an ultra Low power low phase noise voltage controlled oscillator	Dr.V. Sahula
21	2010PEV102	Santosh Sharma	Development 3 Phase smart meter for energy auditing of disrtibution transformers	Mr. Rakesh Bairathi
22	2011PEV5030	Gaurav Soni	Performance Evaluation of Carbon Nano Tube based devices and circuits for VLSI design	Mr. Sanjeev Agrawal
23	2011PEV5032	Ghanshyam	The Novel Design of Low power high speed current comprator using 90nm CMOS technology	Mr. Sanjeev Agrawal
24	2011PEV5034	Ashish Kumar	Design Nad Implementation of High Speed Pipelined 8B/10B Encoder using FPGA	Mr. Sanjeev Agrawal
25	2011PEV5146	Nand Bihari Meena	Low Power 7T SRAM cell using 45 nM Technology	Mr. Sanjeev Agrawal
26	2011PEV5243	Vikas Gupta	Reuse of Digital Componenets in Digital Intellectual Properties	Mr. Sanjeev Agrawal



## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Candidates Awarded/Pursuing Ph.D. Degree

S. No.	Name of the Ph.D. student	Supervisor (s)	Status
1.	R.R. Saraf	Prof. P.K. Saxena	Awarded
2.	Manoj Modi	Prof. G Agarwal,	Awarded
3.	Vinod Yadav	Prof. S.L. Soni, Dr. Dilip Sharma	Awarded
4.	M. L. Meena	Dr G S Dangayach, Dr. A. Bhardwaj	Awarded
5.	Sanjay Gaur	Dr. A. Bhardwaj	Pursuing
6.	Ankur Pareek	Prof. A.P. S. Rathore, Prof. Rakesh Jain	Pursuing
7.	Avinash Panwar	Prof. Rakesh Jain, Prof. A.P.S. Rathore	Pursuing
8.	Lalit Joshi	Prof. A.B. Gupta, Dr. J. Mathur	Pursuing
9.	Bachchu Lal Gupta	Dr. J. Mathur	Pursuing
10.	Rajesh Chedwal	Dr. G Agarwal, Dr. J. Mathur	Pursuing
11.	D.S. Khumani	Dr. Himanshu Chaudhary	Pursuing
12.	Doraj Kamal Jamuwa	Dr. Dilip Sharma, Prof. S.L. Soni	Pursuing
13.	Kunj Bihari Rana	Dr. G Agarwal, Dr. J. Mathur	Pursuing
14.	Shivraj Dhaka	Dr. J. Mathur, Dr. G.D. Agarwal	Pursuing
15.	Alok Manas Dubey	Dr. G Agarwal, Dr. J. Mathur	Pursuing
16.	Anil Sharma	Dr G S Dangayach, Dr. A. Bhardwaj	Pursuing
17.	Deepesh Sonar	Prof. S.L. Soni, Dr. Dilip Sharma	Pursuing
18.	Hemant Kumar Gupta	Dr. G Agarwal, Dr. J. Mathur	Pursuing
19.	Om Shankar Prajapati	Dr. Nirupam Rohatgi	Pursuing
20.	Rahul Goyal	Dr. Dilip Sharma, Prof. S.L. Soni	Pursuing
21.	Vinod Singh Yadav	Prof. S.L. Soni, Dr. Dilip Sharma	Pursuing
22.	Ashish Nayyar	Dr. Dilip Sharma, Prof. S.L. Soni	Pursuing
23.	Jitender Singh Shekhawat	Dr. Dilip Sharma, Prof. M. P. Poonia	Pursuing
24.	Kailash Chaudhary	Dr. Himanshu Chaudhary	Pursuing
25.	Narayanlal Jain	Prof. S.L. Soni, Prof. M.P. Poonia	Pursuing



26.	Pradeep Kumar Gupta	Dr. Dilip Sharma, Prof. S.L. Soni	Pursuing
27.	Anand Kumar vamsi	Dr G S Dangayach, Dr. A. Bhardwaj	Pursuing
28.	Anmesh Kumar Srivastava	Prof. S.L. Soni, Dr. Dilip Sharma	Pursuing
29.	Anuj Mather	Dr. G Agarwal, Dr. Sanjay Mathur	Pursuing
30.	Bhawna Mathur	Dr G S Dangayach	Pursuing
31.	Deepak Kumar	Dr. G. S. Dangayach	Pursuing
32.	Dheeraj Kishor Johar	Dr. Dilip Sharma, Prof. S.L. Soni	Pursuing
33.	Jayant Kumar Purohit	Dr. M. L. Mittal	Pursuing
34.	Lalit Guglani	Dr. T.C. Gupta	Pursuing
35.	Pramod Kumar	Dr. J. Mathur, Prof. I.K. Bhat	Pursuing
36.	Ramkaran Yadav	Dr. M. L. Mittal, Prof Rakesh Jain	Pursuing
37.	Amit Ahirwar	Dr Amit Singh, Dr Amar Patnaik	Pursuing
38.	Anoj Meena	Dr H S Mali, Dr. Amar Patnaik	Pursuing
39.	Chitresh Nayak	Dr Amit Singh, Dr Himanshu Chaudhary	Pursuing
40.	Deepanshu Arora	Prof. G Agarwal	Pursuing
41.	Jaikishan Sharma	Dr H. S. Mali	Pursuing
42.	Manmohan Singh Siddh	Dr. Gunjan Soni, Prof. Rakesh Jain	Pursuing
43.	Manoj Gupta	Dr. T C Gupta	Pursuing
44.	Shiv Ranjan Kumar	Dr Amar Patnaik, Prof. I K Bhat	Pursuing
45.	Sumit Gupta	Dr G S Dangayach Dr. Amit Singh	Pursuing
46.	Surya Prakash	Dr. Gunjan Soni, Prof. A.P.S. Rathore	Pursuing
47.	Swati Gangwar	Dr Amar Patnaik, Prof. I K Bhat	Pursuing
48.	Vikash Gautam	Dr Amar Patnaik, Prof. I K Bhat	Pursuing
49.	Ashish Dutta	Dr. Awadesh Bharadwaj, Prof. A.P.S. Rathore	Pursuing
50.	Ashish Kumar Srivastava	Dr. Dinesh Kumar	Pursuing
51.	Bhargav Prajwal Pathri	Dr. Harlal S. Mali, Prof. Ravindra Nagar	Pursuing
52.	Kanishk Sharma	Dr. Dinesh Kumar	Pursuing
53.	Niketa Jain	Prof. A.P.S. Rathore, Prof Rakesh Jain	Pursuing
54.	Pawar Manoj Janardan	Dr. Amar Patnaik, Prof. Ravindra Nagar	Pursuing
55.	Peeyush Vats	Dr Gunjan Soni, Prof. A.P.S. Rathore	Pursuing



56.	Umardaraj	Prof Rakesh Jain	Pursuing
57.	Unaune Deepak Rajendra	Dr. Harlal S. Mali	Pursuing
58.	Vimal Kumar Pathak	Dr. Amit Singh	Pursuing
59.	Sagar Kumar	Dr Amit Singh	Pursuing
60.	Vipin Kaushik	Dr. Himanshu Chaudhary	Pursuing
61.	K K Kataria	Dr. Awdesh Bharadwaj and Dr. Gunjan Soni	Pursuing
62.	Neeraj Saini	Prof. G. Agarwal	Pursuing
63.	Om Ji Shukla	Dr. Gunjan Soni	Pursuing
64.	Pandey Someshwar Suryakant	Dr. T. C. Gupta	Pursuing
65.	Pradeep Kumar Mouria	Dr. Himanshu Choudhary	Pursuing
66.	Anubhav Kumar	Dr Dinesh Kumar	Pursuing
67.	Ashiwani Kumar	Dr Amar Patnaik; Prof. I.K. Bhat	Pursuing
68.	Avanish Singh Chauhan	Dr Gunjan Soni; Prof. A.P.S Rathore	Pursuing
69.	Mahendra Singh Shekhawat	Dr. Harlal S Mali; Prof. A.P.S Rathore	Pursuing
70.	Manish Kumar	Dr. M.L. Mittal; Dr Gunjan Soni	Pursuing
71.	Manoj Kumar Sain	Dr. M.L. Meena	Pursuing
72.	Prem Singh	Dr. Himanshu Chaudhary	Pursuing
73.	Raman Preet Singh	Dr. Himanshu Chaudhary; Dr Amit Singh	Pursuing
74.	Rahul Jain	Dr. M.L. Meena	Pursuing
75.	Rupali Baghel	Dr. Harlal S Mali; Prof S.K. Biswas	Pursuing
76.	Vikas Kukshal	Prof. I.K. Bhat; Dr Amar Patnaik	Pursuing

#### List of Candidates Awarded M. Tech. Degree

S.No.	Name of Student	Supervisor	Title of Thesis	Status
1.	Anil Kumar Sharma	Prof. G. S. Dangayach	Implementation of lean in foundry industry : A sustainable approach	Awarded
2	Avneet Kumar Joshi	Prof. G. S. Dangayach	Sustainable product development : “Conversion of Brass water Meter part to Plastic Material ( ABS)”	Awarded
3	Manohar Singh	Prof. G. S. Dangayach	Productivity improvement in Automotive industry : a lean Six Sigma Approach	Awarded
4	Rahul Jain	Prof. G. S. Dangayach	Improvement of productivity using Maynard Operation sequence Technique ( MOST)	Awarded
5	Priyanka Pathak	Prof. G. S. Dangayach	Sustainable waste management : A case study of cement industry	Awarded
6	Amit	Dr. Nirupam Rahatgi	Effect of Metallic Absorber Plate on the performance of Single Slope Passive Solar Still : An Experimental study	Awarded



7	Atul Ranjan	Dr. Nirupam Rahatgi	Heat Balancing of a Single Slope Passive Solar still	Awarded
8	Manish Kumar	Dr. Nirupam Rahatgi	Effect of Sand Filled Bottom on the performance of single slope passive solar still : an experimental study	Awarded
9	Narendra kumar	Dr. Nirupam Rahatgi	Effect of thin water film flowing over the glass on the performance of single slope passive solar still : an experimental study	Awarded
10	Bhagavant Singh Tomar	Dr. Nirupam Rahatgi	Effect of water injection into the intake manifold on the performance and emission parameters of single cylinder air cooled CI engine	Awarded
11	Rakesh	Dr. G. D Agrawal	Experimental investigation on direct absorption solar collector using TiO <sub>2</sub> - Water Nanofluid	Awarded
12	Mukesh Kumar	Dr. G. D Agrawal	Development and study of direct absorption solar collector using Al <sub>2</sub> O <sub>3</sub> – Water Nanofluid	Awarded
13	Bihari Lal	Dr. G. D Agrawal	Parametric investigation of thermal influence zone of EATHE : A transient analysis	Awarded
14	Amit Jhalani	Prof. Dilip Sharma	Development of Portable Biogas Storage system and investigate the performance of an SI Engine operated on the treated Biogas	Awarded
15	Deepak Pathak	Prof. Dilip Sharma	Performance and Emission studies on Oxygenate-diesel blend fuelled stationary single Cylinder Water Cooled CI Engine	Awarded
16	Dev Kumar	Prof. Dilip Sharma	Experiment Investigation of Engine performance and Emissions using EGR for a Single Cylinder Air Cooled CI Engine	Awarded
17	Jitender Dixit	Prof. Dilip Sharma	Performance and Emission Studies on Diesel Engine with Diesel particulate Filter and without Diesel particulate Filter	Awarded
18	Sunil Kashyap	Prof. Dilip Sharma	Experimental investigation of Oxygen Enriched Fuel on the Performance and Emission in SI Engine	Awarded
19	Wasim Akram	Prof. S.L. Soni	Experimental studies on Performance and exhaust emission characteristics of a diesel engine fuelled with diesel- linseed oil Methyl ester (LOME) blends.	Awarded
20	Amandeep Kamboj	Prof. S.L. Soni	Experimental studies on Upright Conical Pebble Bed Heat Storage Systems operating on CI Engine Exhaust Gas	Awarded
21	Manish Goyal	Prof. S.L. Soni	Fuel Efficiency in Transport Sector and Ecological Driving for Sustainable Transportation System- A case study of RSRTC	Awarded



## DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

### List of Candidates Awarded Ph. D. Degree

S. No.	Name of student	Supervisor	Topic	Status
1.	Mr. R.K.Duchaniya	Prof. Ashok Sharma		Awarded
2.	Mr. Phool Chand Meena	Prof. Ashok Sharma		Awarded
3.	Mr. Satish Tailor	Prof. P.R.Soni		Awarded

### List of Candidates Pursuing Ph.D Degree

S. No.	Name of Student	Supervisor	Topic	Status
1.	Mr. Akshay Kumar	Prof. M. K. Banerjee	Development of Technology for production of conducting sheath over Soft Magnetic Materials	Pursuing
2.	Mr. Anil Kumar	Dr. Vinod Kumar & Dr. Kamendra Awasthi	Synthesis and characterization of PANI based conducting polymer composites	Pursuing
3.	Mr. Robin Gupta	Prof. Ashok Sharma	Study of Microstructure and Mechanical Properties of Aluminium Alloys Cast through Rapid Slurry Formation (RSF) Process	Pursuing
4.	Mr. Avnish Kumar	Prof. Ashok Sharma	Study of Metallurgical Aspects of Nitrogen Bearing Austenitic Stainless Steel for Underwater Part Applications	Pursuing
5.	Ms. Vatsala Chaturvedi	Prof. Upender Pandel	Study of effect of mechanical vibrations on AZ91 Magnesium alloy	Pursuing
6.	Mrs. Uma Gupta	Dr. V.K.Sharma	Development of interstitial free steel with improved properties	Pursuing
7.	Mr. Rahul Sen	Prof. Upender Pandel	Direct Reduction of mill scale by low grade coal	Pursuing
8.	Mr. SachinRathi	Prof. Ashok Sharma	Minimization of hot tears and porosity in Al alloys	Pursuing
9.	Mr. OrnavMaulik	Dr. Vinod Kumar	Development of nanostructured multicomponent alloy for light weight applications	Pursuing
10.	Mr. Sanjay Meena	Prof. M.K.Banerjee	Advance high strength Steels	Pursuing



11.	Mr. Anurag Hamilton	Prof. Ashok Sharma	Characterization and corrosion- erosion behavior study of carbide based thermal spray coatings	Pursuing
12.	Ms. VershaGoyal	Prof. P.R.Soni	Nanocomposites in automobiles	Pursuing
13.	Mr. Arun Kumar	Dr. V.K.Sharma	Thermomechanical Treatment 9%Cr-1%Mo-VALloy with Quaternary Microalloy	Pursuing
14.	Mr. Shrikant	Dr. R.K.Duchaniya	Quenching behaviour of the bottom flooded molten pool	Pursuing
15.	Mr. Nimu Chand Reger	Prof. A.K.Bhargava	Effects of various dopants on microstructure and mechanical properties on plasma sprayed hydroxyapatite coating on bioimplants	Pursuing

#### List of Candidates Awarded M. Tech. Degree (2013- 14)

S.No.	Name of Student	Supervisor	Title of Thesis	Status
1.	RupaliBaghel	Prof. UpenderPandel	Development of energy efficient building material by the use of millscale and marble slurry	Awarded
2.	Nikhil Kumar	Prof. C.P.Sharma	Failure analysis and weldability of special steels	Awarded
3.	Nimu Chand Reger	Prof. A.K.Bhargava	Development of In- Situ grown ceramic film on zirconium and zirconium-titanium alloy for load bearing bioimplants	Awarded
4.	Avnish Kumar	Prof. Ashok Sharma	Study of erosive wear of HVOF coating on 21- 4 N steel for hydro power project applications	Awarded
5.	ArpitKhemka	Prof. P.R.Soni	Development and characterization of 6061 Al- Al <sub>2</sub> O <sub>3</sub> P/M nanocomposites	Awarded
6.	Ajit Kumar	Dr. S.K.Gupta	Heat treatment optimization on mechanical behavior of modified EN74 spring steel	Awarded
7.	Devesh Kumar	Dr. Y.V.S.S.Prasad and Dr. H. S. Mali	Experimental evaluation on friction welded Aluminum 6061 alloy	Awarded
8.	Dadasaheb Nanasaheb Kadam	Dr. V.K.Sharma	To study the relationship between microstructure and hydrogen induced cracking of carbon manganese steel with respect to heat treatment	Awarded
9.	Vishwaraj Singh Chauhan		Studies on austempering of SAE 52100 steel	Awarded



10.	Ajay Kumar Choudhary	Dr. MunanMandira	Corrosion prevention of mild steel in HCl medium by onion peel and mint green inhibitors	Awarded
11.	Lalit Kumar	Dr. R.K.Duchaniya	Study of thermal conductivity of water based ZnO, TiO <sub>2</sub> and MWCNT nanofluids	Awarded
12.	ParulYadav		Synthesis and characterization studies of electroless Ni-P coating and electroless Ni-P-TiO <sub>2</sub> composite coatings on mild steel	Awarded
13.	Apoorva Vashishtha	Dr. Vinod Kumar	Synthesis and characterization of AlFeCuCr alloy	Awarded
14.	Jaibeer Singh		Study of effect of sintering temperature on multi component alloy (HEAs)	Awarded

## DEPARTMENT OF MANAGEMENT STUDIES ENGINEERING

### List of Candidates Awarded/Pursuing Ph. D. Degree

S. No.	Name of Student	Supervisor	Topic	Status
1.	Anil Sharma	Dr G S Dangayach, Dr. A. Bhardwaj	Industry Cluster	Pursuing
2	Khushboo Jain	Dr. Satish Kumar Dr. A. Solanki	HRD Climate in NRHM in India	Pursuing
3	Sharadha Gupta	Dr. Monica Sharma	Lean Management in Services	Pursuing
4.	Anil Kumar	Dr. Monica Sharma	Mobile Number Portability	Pursuing
5.	Sundip Kumar	Prof. Awadhesh Bharadwaj Dr. Monica Sharma	Mass Development Projects	Pursuing
6.	Harsh Partap Singh	Dr. Satish Kumar & Prof. A.Bhardwaj	Working Capital Management Practices of SMEs	Pursuing
7	Purnima Rao	Dr. Satish Kumar	Financing Preferences And Determinants of Capital Structure –A Study Of Small & Medium Enterprises (Smes)	Pursuing
8	Nisha Goyal	Dr. Satish Kumar Prof. A. P. S Rathore	Behavioural Finance	Pursuing
9.	Umesh Kumar	Prof. GS Dangayach Dr. Monica Sharma	Sustainable manufacturing	Pursuing
10	Mayanka Singh Chhonker	Deepak Verma		Pursuing



S. No.	Name of Student	Supervisor	Topic	Status
11	Krati Shivastava	Deepak Verma		Pursuing
12	Hansini Premi	Prof. GS Dangayach Dr. Monica Sharma	Sustainable manufacturing	Pursuing
13.	Aditi Gupta	Dr. Monica Sharma Deepak Verma		Pursuing
14	Oum Kumari R.	Dr. Dipti Sharma	Analysis of Residential Electricity Consumption in Jaipur City for Demand Side Management	Awarded
15	Manisha Choudhary	Dr. Dipti Sharma	An Analytical Study of Relationship Between Competency Mapping and Employees' QWL	Pursuing
16	Shikha Singh	Dr. Dipti Sharma	Empirical Investigation of India's Trade With EU and ASEAN	Pursuing
17	Boola Choudhary	Dr. Dipti Sharma	Socio-Economic Assessment Study of Decentralized Rural Electrification based on Solar Energy in Rajasthan	Pursuing

## DEPARTMENT OF PHYSICS

### List of Candidates Awarded/Pursuing Ph.D. Degree

S. No.	Name of student	Supervisor	Topic	Status
1.	Mr. Abhishek Sharma	Prof.K.C.Swami	Study of effects of plasma nitriding process on some nitridable materials	Awarded
2.	Mr. Narendra Kr. Agrawal	Prof.K.C.Swami & Prof. Y.K Vijay	Study of enhancement in biocompatibility and biocompatibility of nano composite polymer membranes by plasma treatment	Pursuing
3.	Dr. Rishi Vyas	Prof. S. K. Sharma	Study of Gas Sensing Behaviour of Nanostructured ZnO thin films	Awarded
4.	Ms. Parul Gupta	Prof. S. K. Sharma	Synthesis and characterization of SnO <sub>2</sub> Based Gas Sensor	Pursuing
5.	Ms. Indu Bala Vashishtha	Prof. S. K. Sharma	Study of CZTS Thin Film For Solar Cell Application	Pursuing
6.	Mr. Neeraj Goyal	Prof. S. K. Sharma	Synthesis and characterization of Metal Oxide Nanocomposites for Gas Sensing Application	Pursuing



S. No.	Name of student	Supervisor	Topic	Status
7.	Ms. Poonam Sharma	Prof. S. K. Sharma	Corrosion Study of Zr based Bulk Metallic Glasses	Pursuing
8.	Ms Shubhra Mathur	Dr. K. Sachdev Prof. S.K. Sharma	Study of Thermochemical behavior of some metallic glasses	Awarded
9.	Ms. Kanan Jassal	Dr. K. Sachdev Dr. A. Chougule (Associate Professor, SMS Medical College & Hospital )	Dosimetric aspects of a-Si based EPID and its application in advanced radio therapy	Pursuing
10.	Mr. Vikas Sharma	Dr. K. Sachdev	Development of electro-optically efficient SnO <sub>2</sub> thin films for opto-electronics applications	Pursuing
11.	Mr. Dinesh Saini	Dr. K. Sachdev Prof. MK Banerjee (Dept. of Metallurgical & Materials Engineering)	Investigations on Shape Memory alloys (Tentative)	Pursuing
12.	Mr. Satyavir Singh	Dr. K. Sachdev	Development of Transparent conducting oxides with enhanced properties (Tentative)	Pursuing
13.	Mr. Mahendra Singh Rathore	Dr. Srinivasa Rao Nelamarri	Tuning the structural, Optical and electrical properties of semiconductor nanocrystals (Tentative)	Pursuing
14.	Mr. Arun Vinod	Dr. Srinivasa Rao Nelamarri	Structural, optical and electrical properties of metal nanocrystals embedded in dielectric oxide layers for various applications	Pursuing
15.	Mr. Rajeev Kaushik	Dr. Rahul Singhal, Deptt. of Physics	Studies on optical properties of embedded metal nanoparticles	Pursuing
16.	Mr. Veeresh Kumar	Dr. Rahul Singhal, Deptt. of Physics	Ion irradiation studies of NiTi shape memory alloys thin film	Pursuing
17.	Mr. Shushant Kumar Singh	Dr. Rahul Singhal, Deptt. of Physics	Nano-Composite thin film of Ag/a-C	Pursuing
18.	Ms. Trupti Sharma	Dr. Rahul Singhal, Deptt. of Physics	Development of efficient polymer-fullerene bulk heterojunction solar cells using plasmonics	Pursuing
19.	Mr. Himanshu Sharma	Dr. Rahul Singhal, Deptt. of Physics	Optical properties of Ag-ZnO and Ag-TiO <sub>2</sub> nanocomposite thin film	Pursuing



S. No.	Name of student	Supervisor	Topic	Status
20.	Ms. Priyanka	Dr. Subhayan Mandal	Dynamics of Passive swimming in Newtonian fluid	Pursuing
21.	Ms. Harshita Agrawal	Dr. Vibhav K Sarswat & Dr. Kamlendra Awasthi	PET & Its ZnO/TiO <sub>2</sub> Nanocomposites: Synthesis and Electrical, Optical & Phase Transformation Studies	Awarded
22.	Ms. Yogita Kumari	Dr. Kamlendra Awasthi & Prof. K C Swami	Engineering of Block Copolymer Nanotemplates for Solar Cell Application	Pursuing
23.	Mr. Anil Kumar	Dr. Vinod Kumar & Dr. Kamlendra Awasthi	Synthesis and Characterization of Polyaniline Based Nanocomposite for Electronic Housing	Pursuing
24.	Mr. Lokesh Kumar Jangir	Dr. Kamlendra Awasthi & Prof. K C Swami	Block copolymer nanotemplates for opto-electronic applications	Pursuing

#### List of Candidates Awarded M. Tech. Degree

S. No.	Name of Student	Supervisor	Title of Thesis	Status
1.	Amit Kumar Mudgal	Kamlendra Awasthi	Palladium Nanowires Mediated Hydrogen Gas Sensing	Awarded

#### DEPARTMENT OF MATHEMATICS

##### List of Candidates Awarded/Pursuing Ph.D. Degree

S. No.	Name of Student	Supervisor	Topic	Status
1.	Kavita Khandelwal	Dr. Vatsala Mathur	Fractional approach to Fluid Dynamics	Pursuing
2.	Meena Kumari Gurjar	Prof Kantesh Gupta	Special Function	Pursuing
3.	Sheikh Mohammed Faisal	Dr. Sanjay Bhattar	A Study of Differential and Integral Calculus of Arbitrary Order and New Generalized Mittag-Leffler Function with Applications	Pursuing
4.	Rakesh Kumar Bohra	Dr. Sanjay Bhattar	A Study of Unified Fractional Integral Formula, Pathway Fractional Integral Operator, Mellin-Barnes Type Integral Equations and Fractional Calculus	Pursuing
5.	Devendra Singh	Prof. K.C. Jain	Measures and their applications	Pursuing



6.	Prafull Chabra	Prof. K.C. Jain	A Study of Inequqlities on new generalized Information Divergence	Pursuing
7.	Manish Kr. Bansal	Prof. Rashmi Jain	A study of Mellin Barnes type integrals General Polynomial and Integrals operator of arbitrary order of single and multiple variable with applications	Pursuing
8.	Priyanka Harjule	Prof. Rashmi Jain	On recent advances of special function and fractional calculus with applications	Pursuing
9.	Amit Kr. Mathur	Dr. Sanjay Bhattar	Investigation of Certain New Aspects of Generalized Operators of Arbitrary Order and Their Applications in Geometric Function Theory	Pursuing
10.	Mr. Mahesh Goswami	Dr. RituAgarwal	Bicomplex integral transforms and their applications in applied sciences	Pursuing
11.	Ms. Sonal Jain	Dr. RituAgarwal	Applications of Integral transforms and Lie theory	Pursuing
12.	Pradeep Kumar	Dr. Santosh Chaudhary	A study of MFD flow through porous and non-porous boundaries	Pursuing

## DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

### List of Candidates Awarded/Pursuing Ph. D. Degree

S. No.	Name of Student	Supervisor	Topic	Status
1.	Prashun Gupta	Dr. Vibhuti Singh Shekhawat	E-Governance: Social, Political, Economical and Managerial aspects of E- Governance.	Awarded
2.	Rinku Gupta	Dr. Vibhuti Singh Shekhawat	Implementation of Six Lean Six Sigma Techniques in Supply Chain Management.	Awarded
3.	Sweta Gupta	Dr. Vibhuti Singh Shekhawat	Emergency Preparedness by Different Government of India	Pursuing
4.	Alok Kumar Joshi	Dr. Vibhuti Singh Shekhawat	Urban poor: Environment and Infra. Management. A Sustainable approach.	Awarded
5.	Manvendre Singh	Dr. Vibhuti Singh Shekhawat	Course Work Going on.	-
6.	Priyanka Jain	Dr. Vibhuti Singh Shekhawat	Course Work Going on.	-
7.	Shveta Tripathi	Dr. Nupur Tandon	The Narrative Technique of Will a Cather	Pursuing



S. No.	Name of Student	Supervisor	Topic	Status
8.	Vandita Batra	Dr. Nupur Tandon	Socio-Political Concerns in the Works of David Hare and Howard Brenton	Awarded
9.	Asif Iqbal	Dr. Nupur Tandon	Mispronunciations of Engineering ESL Students in Mewar of Rajasthan: A Case Study in Language Lab	Awarded
10.	Apeksha	Dr. Nupur Tandon	John Whiting: The Agony of the Absurd	Awarded
11.	Ms. Oum Kumari R.	Dr. Dipti Sharma	Analysis of Residential Electricity Consumption in Jaipur City for Demand Side Management	Awarded
12.	Ms. Manisha Choudhary	Dr. Dipti Sharma	An Analytical Study of Relationship Between Competency Mapping and Employees' QWL	Pursuing
13.	Ms. Shikha Singh	Dr. Dipti Sharma	Empirical Investigation of India's Trade With EU and ASEAN	Pursuing
14.	Ms. Boola Choudhary	Dr. Dipti Sharma	Socio-Economic Assessment Study of Decentralized Rural Electrification based on Solar Energy in Rajasthan	Pursuing
15.	Kalpna Vijay	Dr Preeti Bhatt	'The Impact of Displacement on the Formation of New Values in the Novels of Diasporic Indian Women Writers'	In progress
16.	Kanupriya	Dr Preeti Bhatt	'Dramatic Technique in the Major Plays of Girish Karnad'	In progress
17.	Manju Nemad	Dr Preeti Bhatt	'The Dynamic Nature of the Self in Doris Lessing's Short Stories'	Awarded
18.	Ritu Pareek	Dr Preeti Bhatt	'Questioning of Patriarchal Narration and of Female Subjugation in Angela Carter's Short Stories'	Awarded



## 11.8 HONOURS AND AWARDS TO FACULTY MEMBERS

### DEPARTMENT OF CHEMICAL :

1. Dr. Sushant Upadhyaya (Assistant Professor, Chemical Engineering Department Malaviya National Institute of Technology Jaipur) has been awarded a Prestigious National Awards for Technology Innovation in Petrochemical and Downstream Processing Industry on July 17, 2014 by Honourable Union Minister for Chemicals and Fertilizers Government of India, Shri Anath Kumar and Minister of State Chemicals and Fertilizers, Shree Nihal Chand at Ashoka Hall, Maneksha Centre, Swarn Jyanti Marg, New Delhi for the year 2013-14.
2. Dr. Suja George received Best paper Award for the paper titled “Modeling of Defluoridation Processes”, presented in the One Day Workshop on “Innovations in Defluoridation”, from the Indian Water Works Association at the 46th IWWA National Convention held on 24th to 26th January 2014, in Bangalore, India.
3. Dr. Virendra Saharan received DST INSPIRE Faculty Award, July 2013.
4. Prof. S. P. Chaurasia chaired a technical session in the International Conference on Innovative Technology and Management for Water Security organized by NIOT Chennai and In DACON-2014.
5. Prof. S. P. Chaurasia Chaired a Technical session in CHEMCON- 2013 on Dec. 28, 2013, organized by ICT Mumbai.
6. Prof. S. P. Chaurasia was elected / nominated as chairman of Jaipur Regional Centre of Indian Institute of Chemical engineers, Jaipur Regional Centre for the year 2013-14.
7. Prof. S. P. Chaurasia was elected as Executive Committee member of Indian Desalination Association for the term, 2013-15.
8. Prof. S. P. Chaurasia was nominated as Board member of Indian Membrane Society for the term (2013-2015).
9. Dr. Sushant Upadhyaya was elected /

nominated as Joint Secretary of Jaipur Regional Centre of Indian Institute of Chemical engineers, Jaipur Regional Centre for the year 2013-14.

### DEPARTMENT OF ELECTRICAL ENGINEERING

1. Dr. Dipti Saxena received POSOCO Power System Award (PPSA-2014) for best innovative research in the Doctoral category given by Power Grid Corporation of India Ltd.
2. Dr. Vijaykumar K. received POSOCO Power System Award (PPSA-2014) for best innovative research in the Doctoral category given by Power Grid Corporation of India Ltd.

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEER

1. Dr. Vineet Sahula- Member, Project Review & Steering Group (PRSG), Thermal Aware Testing of VLSI Ckts, (PI- Prof. S. Chatterjee, IIT Kharagpur), 2012-14
2. Dr. Ghanshyam Singh, Elected as Life Fellow Member of IETE and Optical Society of India.
3. Dr. Ghanshyam Singh, Elected as Hony. Secretary for IETE Rajasthan Centre Jaipur for session 2012–2014.
4. Dr. Ghanshyam Singh, Appointed as Faculty Advisor, OSA Student Chapter MNIT Jaipur (A student chapter of OSA, opened in MNIT Jaipur, on June 17th 2013).
5. Dr. Ghanshyam Singh, Visiting Professorship @ Dept. of EEE, KEIO University, Yagami campus, Yokohama (JAPAN), Oct. 4th–16th 2013.

### DEPARTMENT OF MECHANICAL

1. Prof. G. S. Dangayach is nominated as Board of Management (BOM) member for Rajasthan Technical University, Kota for 3 years by Government of Rajasthan.



2. 2014 Highly Commended Paper Award to Prof. Rakesh Jain for the paper Implementation of benchmarking concepts in Indian Automobile Industry: An empirical study in Benchmarking: An International Journal.
3. Fellowship awarded to Prof. Rakesh Jain by Indian Institution of Industrial Engineering

**DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING**

1. YOUNG SCIENTIST research award to Dr. Vinod Kumar in 2013- 14 from DST, Govt.

of India.

**DEPARTMENT OF PHYSICS**

1. SERB (formerly DST) Young Scientist Award Project to Dr. Srinivasa Rao Nelamarri.
2. DST INSPIRE Faculty Award to Dr. Rahul Singhal.
3. DST Young Scientist Award to Dr. Rahul Singhal.

**11.9 PUBLICATIONS AND RESEARCH PAPERS IN CONFERENCES ETC.**

**DEPARTMENT OF ARCHITECTURE AND PLANNING**

Research Papers Published in International Journals:

1. Ar. Meenu Varshney, Techno-economic feasibility study of stone dust fly ash cement bricks over ordinary clay bricks in affordable housing, IJSET Vol.No.3 issue01 pp63-69, ISSN:2277- 1581, 01 Jan,2014.
2. Dr. Satish Pipralia, DR. Ashwani Kumar,

Impact of transportation projects on architecture, International Journal of Enhanced Research in Science Technology & Engineering, 2319-7463, February 2014.

3. Dr. Ashwani Kumar, Vernacular Practices: As a Basis for Formulating Building Regulations for Hilly Areas, Elsevier, 2212-6090, 2013.
4. Dr. Ashwani Kumar, Building Regulations for Environmental Protection in Indian Hill Towns, Elsevier, 2212-6090, 2013.

**Books Published**

S. No.	Title	Author	Publisher
1	Sustainable Neighbourhoods: Theories and Practices	Editors: Dr. Satish Pipralia, Dr. Ashwani Kumar, Ar. Niruti Gupta Ar. Pooja Nigam	Excellent Publishing House, India
2	Multi-storied Buildings in Hill Regions – A Study of Multi-storied buildings in Shimla	Dr. Ashwani Kumar	Lambert Acedemic Publishing, Germany
3	Chapter 10: Role of Technology Management in Development; Driving the economy through innovation and entrepreneurship: Emerging agenda for technology management	Ar. Niruti Gupta	Springer,



## DEPARTMENT OF CIVIL ENGINEERING

### Research Papers Published in International Journals:

1. Putul Haldar, Yogendra Singh, Dominik. H. Lang and D. K. Paul (2013), "Comparison of Seismic Risk Assessment Based on Macroseismic Intensity and Spectrum Approaches using 'SeisVARA'", Soil Dynamics and Earthquake Engineering, Vol. 48, May 2013, pp. 267-281.
2. Putul Haldar, Yogendra Singh and D. K. Paul (2013), "Identification of Failure Modes of URM Infilled RC Frame Buildings", Engineering Failure Analysis, Vol. 33, pp. 97-118.
3. Sarkar R., Bhattacharya S. and Maheshwari B.K. (2014). "Seismic Requalification of Pile Foundations in Liquefiable Soils," Indian Geotechnical Journal, Springer, 44 (2): 183-195.
4. Bhattacharya S., Tokimatsu K., Sarkar R., Shadlou M. and Rouhlamin M. (2014). "Collapse of Showa Bridge during 1964 Niigata Earthquake: A reappraisal on the failure mechanisms." Accepted in Soil Dynamics and Earthquake Engineering, Elsevier
5. Agrawal V., Chandwani V. and Porwal A.(2013), "Optimum Design of Welded Steel Plate Girder Using Genetic Algorithms", International Journal of Current Engineering and Technology (INPRESSCO) ISSN-2277-4106, Vol 03, Issue 4, Oct 2013, pp 1209-1213
6. Chandwani V., Agrawal V. and Nagar R. (2013), "Applications of Soft Computing in Civil Engineering: A Review", International Journal of Computer Applications (IJCA) ISSN-0975 – 8887, Vol 81, Issue 10, Nov 2013, pp 13-20, doi:10.5120/14047-2210
7. S.B. Patil, A.K. Vyas, Dr A B Gupta "Utilization of An Industrial Waste In Cement Concrete Mixes" The Journal of Solid Waste Technology and Management, Vol 40 No.1 pp 79-85, Feb 2014.
8. P V Ramana, "Modified Adomian Decomposition Method For Van Derpol Equations", IJNLM, Elsevier, 2014.
9. P V Ramana, "The Emerging Techniques In Mathematical Models", IJAMC, Elsevier, 99(6), pp 180-189, 2014
10. Pawan Kalla, Anurag Misra, Ramesh Chandra Gupta, Vimal Gahlot, Laszlo Csetenyi, Amarnath Arora "Mechanical and durability studies on concrete containing wollastonite-fly ash combination", Elsevier, Construction and Building Materials, Vol. 40, pp. 1142-1150, 2013.
11. Shandilya, Kaushik, K., Khare, Mukesh and Gupta, Akhilendra, B., 2012, "Organic Matter determination for street dust in Delhi", (Impact factor: 1.4), Environmental Monitoring and Assessment, 185(6), 5251-5264, 2013.
12. Prakash Vijayvargia, Tushali Jagwani, Aakanksha Rampuria, Dr. A. B. Gupta. "Contaminant Removal of Domestic Wastewater by Constructed Wetlands: Effect of Plant Harvesting, accepted for publication in IJIET.
13. S. B. Patil, A. K. Vyas, Dr. A. B. Gupta. "Utilization of an industrial waste in cement concrete mixes, The Journal of Solid Waste Technology and Management 40(1), 79-85, 2014.
14. Lalit Joshi, A. B. Gupta and Jyotirmay Mathur. "Respiratory health effects due to use of solid biofuels in rural areas of Rajasthan, International Journal of Civil Engineering, IASET, 2(4), September, 2013 (IF- 1.8523).
15. Blessen Skariah Thomas, Ramesh Chandra Gupta, Pawan Kalla and Laszlo Csetenyi, "Strength, abrasion and permeation characteristics of cement concrete containing discarded rubber fine aggregates", Paper published in Construction and Building Materials 59 (2014), Science Direct - Elsevier Ltd., pp 202-212.
16. Blessen Skariah Thomas, Alok Damare and R.C. Gupta, "Strength and durability characteristics of copper tailing concrete", Paper published in Construction and Building Materials 48 (2013) Science Direct - Elsevier Ltd., pp 894-900.
17. Pawan Kalla, Anurag Misra, Ramesh



- Chandra Gupta, Laszlo Csetenyi, Vimal Gahlot and Amarnath Arora, "Mechanical and Durability studies on concrete containing wollastonite-fly ash combination", Paper published in Construction and Building Materials 40 (2013), Science Direct - Elsevier Ltd., pp 1142-1150.
18. Singhal, Vijai and Goyal, Rohit (2013), "Groundwater model to predict the impact due to textile units at Pali", J. Arabian Journal of Geosciences. Published online 12th Oct., DOI: 10.1007/s12517-013-1148-2. Impact factor: 0.740, Extended SCI Journal.
  19. Kongre, D.N. and Goyal, Rohit (2013), "Prediction of Water Logging Using Analytical Solutions—A Case Study of Kalisindh Chambal River Linking Canal", J. Water Resource and Protection, Scientific Research Publishing, 5, 624-632.
  20. Santosh Pingale, Mahesh K, Jat and Deepak Khare (2013), "Integrated Urban Water Management Modelling Under Climate Change Scenarios, Resource Conservation and Recycling", Elsevier Science (Accepted) (Impact factor 2.319).
  21. Santosh Pingale, Deepak Khare, Mahesh K, Jat and Jan Adamowski (2013), "Spatial and temporal trends of mean and extreme rainfall and temperature for the 33 urban centres of the arid and semi-arid state of Rajasthan, India", Atmospheric Research Journal, Elsevier Science, Volume 138, 1 March 2014, Pages 73–90 (Impact Factor = 2.2, 2013)
  22. Rohitashw Kumar, Vijay Shankar and Mahesh Kumar (2013), Evaluation of nonlinear root uptake model for uniform root zone vis-à-vis multi-layer root zone, Journal of Irrigation and Drainage (ASCE), Ref: doi:10.1061/(ASCE)IR.1943-4774.0000655 (Accepted).
  23. Rohitashw Kumar, Mahesh Kumar and Vijay Shankar (2013), "Soil moisture dynamics modeling enabled by hydraulic redistribution in multi-layer root zone", Current Science Journal, Vol. 105, No. 10, 25 November 2013, (SCI - Impact factor - 0.935)
  24. Rohitashw Kumar, Vijay Shankar and Mahesh Kumar (2013), "Efficacy of Non linear Root Water Uptake Model for Multi-Layer Crop Root Zone", Journal of Irrigation and Drainage, Vol. 139, No. 11 : pp. 898-910.
  25. Susheela Dahiya, P. K. Garg, Mahesh K Jat, (2013), "A comparative study of various pixel based image fusion techniques as applied to an urban environment", (2013), International Journal of Image and Data Fusion, Taylor & Francis, Vol. 4, Issue 3, 197-213 (2013).
  26. Gahlot V, Swami B. L., et al. (2013), "Availability and Assessment of Public Transit system in Jaipur City", International Journal of Transportation Engineering, Iranian Society of Transportation Engineering, Vol. 1 (2),
  27. Sunil Jain, Y.P. Mathur and Gunwant Sharma, "Assessment of Water Quality Index of Anasagar Lake, Ajmer (India)" International Journal of Inventions in Reasearch, Engineering Science and Technology (IJIREST), Vol.1, No.1, April 2014, ISSN (Print) : 2348-7399

#### Research Papers Published In National Journals:

1. Putul Haldar and Yogendra Singh (2013), "Seismic Performance and Vulnerability of Indian Code Designed RC Frame Buildings," ISET Journal of Earthquake Engineering, Paper No. 502, Vol. 46, No. 1, March 2009, pp. 29-45.
2. P V Ramana "The SHM Prescription by DIC Method", Journal published Chakra University, pp 78-91, 2014.
3. Priya, Sharma, G., Brighu, U., "Comparison of different types of media for nutrient removal efficiency in vertical upflow constructed wetlands." International journal of Environmental Engineering and Management, Volume 4, No. 5, pp 405-416. (ISSN 2231-1319)
4. Singhal, Vijai, Kongre D. N. and Goyal, Rohit (2013), "Estimating Spatial Variation in Recharge/Extraction Using GIS: Case Study of Bandi River Area in District Pali", Memoir Geological Society of India, No. 83, pp. 40-50.



5. Gaur. A., Bose. S. "Performance of Warm Mix Asphalt for Indian Conditions" . Published in Indian Highways IRC journal September 2013.

#### List of Papers Presented At International Conferences:

1. Putul Haldar Yogendra Singh and D. K. Paul (2013), "Modeling of URM Infills and Their Effect on Seismic Vulnerability of RC Frame Buildings", Proceedings of the International Conference on Engineering Research, Innovation and Education 2013, ICERIE 2013, 11-13 January, SUST, Sylhet, Bangladesh, Paper No. ICERIE – 301.
2. Putul Haldar Yogendra Singh and D. K. Paul (2013), "Estimation of Capacity Curve Parameters for Indian RC Frame Buildings with URM Infills", 15th World Conference on Earthquake Engineering, September 24-28, Lisbon, Portugal.
3. Shrivastava, S., Sharma, R., Pamnani, A., "Building Information Modeling Integrated Development in Delivering Sustainable Buildings," International Conference on "Advance Trends in Engineering and Technology, ACEIT, Jaipur Dec. 19-20, 2013
4. P V Ramana, 21-23 Mar 2013 "An FSM Analysis for Box Girder Bridges", ICEISTCON 2013, Computer division, IRD, Pune, India.
5. P V Ramana, 21-23 Mar 2013 "A Novel Procedure For Solving Multi-Support Obstacle Problems", ICMMME 2013, Mechanical division, IRD, Pune, India.
6. P V Ramana, 29-30 Mar 2013 "A Novel Procedure For Solving Beam and Truss Problems", ICGTI 2013, Mumbai, India.
7. P V Ramana, 29-30 Mar 2013 "A Nonlinear Analysis For Solving Multi-Support Obstacle Problems", ICGTI 2013, Mumbai, India.
8. P V Ramana, 21-22 April 2013 "Structural Health Monitoring for High Raised Buildings", ICMESS 2013, Mumbai, India.
9. P V Ramana, 17-18 Oct 2013 "Limitations in computational Mathematics", CIIT 2013, Mumbai, India.
10. P V Ramana, 19-20 Oct 2013 "Matlab and Algebra A good marriage for the learning based on competencies", ciitcom 2013, Mumbai, India. (approved)
11. P V Ramana, 15-17 Nov 2013 "Advances in Cloud Computations", CUBE 2013, Pune, India.
12. P V Ramana & Surendranath A., 15-16 Sept 2013 "A Novel Analysis for Super-Structures", YRGS - 2013, MNIT, Jaipur, India.
13. P V Ramana & Pooja T S., 15-16 Sept 2013 "Dynamic Beam Analysis for Piano & Violin Functions", YRGS - 2013, MNIT, Jaipur, India.
14. P V Ramana & Rajashree Charan., 15-16 Sept 2013 "Control And Optimization Of Dynamic System Using Artificial Neural Network", YRGS - 2013, MNIT, Jaipur, India.
15. P V Ramana & Pooja T S., 28-30 Nov 2013 "A Novel Interpolation Functions For Rotating Beams", nuicone - 2013, Ahmedabad, India.
16. P V Ramana & Rajashree Charan., 28-30 Nov 2013 "Damage assessment for houses subjected to multi-hazards using fuzzy logic", nuicone - 2013, Ahmedabad, India.
17. P V Ramana & Surendra nath A., 19-20 Dec 2013 "The health monitoring Prescription by DIC & AE Method", ICATET - 2013, Jaipur, India.
18. P V Ramana & Pooja T S., 19-20 Dec 2013 "A State of Art Interpolation for FEM and Novel FEM", ICATET - 2013, Jaipur, India.
19. P V Ramana & Surendra nath A., 27 - 28 Dec 2013 "The health monitoring Problems", ICETEAS - 2013, Jaipur, India.
20. P V Ramana & Pooja T S., 27 - 28 Dec 2013 "An Interpolation Function Finite Element Approach", ICETEAS - 2013, Jaipur, India.
21. P V Ramana & Vivek T Singh., 27 - 28 Dec 2013 "The Magnitude of Linear Problems", ICETEAS, Jaipur, India.
22. P V Ramana & Surendra nath A., 14 - 15 Feb 2014 "The Application of DIC & AE Approaches", ITMMMAAAE, JNU, India.
23. P V Ramana, 27-30 March 2014 "An Alternative Material in Concrete



- Structures", ICGTI, Mumbai, India.
24. P V Ramana, 27-30 March 2014 "Stochastic Finite Element Method Approach for Different Problems", ICGTI, Mumbai, India.
  25. P V Ramana & Surendra nath A., 30 March 2014 "The SHM Prescription by DIC Method", ICTET, Mount Abu, India.
  26. Pawan Kalla, Anurag Misra, L. J. Csetenyi, R.C. Gupta, Effect of Wollastonite-Fly Ash Combination on Strength, Permeability and Carbonation of Concrete Mixes", UKIERI Concrete Congress, Innovations in Concrete Construction, Jalandhar, Punjab, India, 5-8 March 2013.
  27. Aditya Rana, Sarbjeet Singh and Pawan Kalla "Permeability and Carbonation Resistance of Wollastonite, Fly ash and Silica fume Added Concrete", 1st International Conference on Innovative Advancements in Engineering and Technology (IAET), Jaipur National University, Jaipur, March 8th, 2014.
  28. Sharma, G., Priya, Brighu, U., "Performance analysis of vertical upflow constructed wetlands for secondary treated effluents" 5th International conference on Environment Science and Development (ICESD), Feb. 19-21, 2014, Singapore
  29. Dr. A B Gupta, Aakanksha Rampuria, "Tushali Jagwani and Prakash Vijayvargia "Utility of constructed wetlands in treating domestic wastewater in Indian environmental conditions", International Conference on Environmental and Hazardous Substance Management towards a Green Economy (EHSM 2013), Bangkok, May 21-23, 2013.
  30. Kavita Verma, K.D. Gupta, A. B. Gupta. "Disinfection of sewage and its importance in future, International Conference on "Integrated Water, Wastewater and Isotope hydrology" July 25-27, 2013, Bangalore. The abstract was published in Volume II (Sustainable wastewater treatment and water management policy) of the proceedings. Presented by Kavita.
  31. A. B. Gupta, Sunil K. Gupta." Issues of water quality, health, and poverty- the Indian scenario". Invited paper International Conference organized by IAHS-IAPSO-IAPSEI titled "Knowledge for the future", Gothenburg, Sweden, July 22-26, 2013. The paper was published in "Red book" titled "Understanding fresh-water quality problems in a changing world" Edited by Dr Berit Arheimer pp 142-149.
  32. M R Sharma, Dr A B Gupta and J. K. Bassin. Challenges in water quality modeling of hilly streams – a Case Study of Hathli stream in Lower Himalayas, India. Poster presented at International conference organized by IAHS-IAPSO-IAPSEI titled "Knowledge for the future", Gothenburg, Sweden, July 22-26, 2013.
  33. A. B. Gupta, Delivered an invited talk on "Advances in biological nitrogen removal from sewage- a review", International conference on advances in biotechnology and bioinformatics (ICABB 2013), Pune November 25-27, 2013. The extended abstract was published in the book of abstracts.
  34. A.B. Gupta, Delivered an invited talk on "Problems of chemical quality of drinking water and their mitigation case study of Rajasthan" International Conference on "Innovative Technologies and Management for Water security", Chennai, 13th February, 2014. The abstract was published in the proceedings.
  35. Blessen Skariah Thomas and R.C. Gupta, "Mechanical Properties of Cement Concrete with Discarded Tire-Rubber as Partial Replacement of Fine Aggregates", Proceeding of International Conference on Advance Trends in Engineering & Technology (ICATET-2013), Arya College of Engineering & IT, Jaipur, 19-20 Dec., 2013, pp. 277-280.
  36. Priyansha Mehra, Ramesh Chandra Gupta and Anurag Misra, "Suitability of Jarosite as Partial Replacement of Fine Aggregates in Concrete", accepted in Fourth International FIB Congress 2014 on "Improving Performance of Concrete Structures", Organised by International Federation of Structural Concrete and The Institution of Engineers (India), Mumbai, from 10th to 14th February 2014, Confirmation Number: 404.



37. Priyansha Mehra, R. C. Gupta and Anurag Misra, "Utilization of Jarosite in Concrete", 5th Asia and Pacific Young Researchers and Graduated Symposium (YRGS 2013), on "Current Challenges in Structural Engineering", MNIT Jaipur, 15 - 16 October, 2013, pp. 207-212.
38. Sharma, Dinesh Kumar, Swami, B. L. and Vyas, A. K. (2013). Study on design of hot mix asphalt using waste copper slag. Proceedings of the 5th Asia and Pacific Young Researchers and Graduate Symposium on Current Challenges in Structural Engineering (YRGS-2013), organized by MNIT, Jaipur, 15-16 October, 2013, pp. 248-255.
39. Sharma, Dinesh Kumar, Swami, B.L. and Vyas, A. K. (2013). "Performance study of Bituminous Concrete containing copper slag". Proceedings of the 5th Asia and Pacific Young Researchers and Graduate Symposium on Current Challenges in Structural Engineering (YRGS-2013), MNIT, Jaipur, 15-16 October, 2013, pp. 340-348
40. Sunil Jain, Y.P. Mathur and Gunwant Sharma, "Pesticides Effects on Hormone and Enzyme Systems of Aqua Population. A View Over Anasagar Lake, Ajmer" Proceedings of International Conference at Arya Engineering College, Jaipur, Dec. 19-20, 2013.
41. Gunwant Sharma, Y.P. Mathur, Sunil Kumar Vyas, P. K. Navin, "Rainfall-Runoff Regression Model for MEJA Catchment" published in the Proceedings of International Conference at Arya Engineering College, Jaipur, Dec. 19-20, 2013.
42. S. T. Dhotre, Dr. Gunwant Sharma, Rohit Goyal, S K Parikh, "Finite element analysis for seepage through soil media - A case of steady state seepage", published in the Proceedings of International Conference at Arya Engineering College, Jaipur, Dec. 19-20, 2013.
43. Chini, Abdol R., and Sandeep Shrivastava, "A Framework to Explore Energy Saving Measures During Construction Phase," Seventh International Conference on Management Science and Engineering Management by Springer at Philadelphia,

USA/987-99/2014

#### **List of Papers Presented At National Conferences:**

1. Priya, Sharma, G., Brighu, U., "Comparison of different types of media for nutrient removal efficiency in vertical upflow constructed wetlands." In 2nd International Conference on "Agriculture, food technologies and Environment-New approaches (AFTENA-2013), Oct. 19-20, 2013 at JNU, Delhi
2. A. B. Gupta. Delivered an invited talk on "Pollution from Automobiles and its implication on human health" in National Conference on "Urban Mobility and Road Safety" April 6, 2013 organized by JDA and KIT, Jaipur. Abstract was published in the proceedings.
3. D. R. Jangid, Dr A B Gupta and Payal Pancholi. "Waste to Energy -Power generation at 62.50 MLD (unit-I) Sewage Treatment Plant Delawas, Jaipur-Rajasthan-India- A case study", 46th IWWA Convention, Bangalore, January 17-19, 2014. The paper was presented by the co-author and was published in the proceedings.
4. Dr. A B Gupta delivered a key note address titled "Research in multidisciplinary areas like environmental sciences- the changing paradigm" National Seminar on 'Innovations in Science & Technology for Inclusive Development', at B. Lal Institute of Biotechnology in collaboration with Indian Science Congress Association, Jaipur Chapter 17 January, 2014.
5. A. B. Gupta delivered an invited address "Advances in sewage management- from treatment to recycle" at National Seminar on "Water and Energy" jointly organized IWWA and VIT, Jaipur, March 22, 2014.
6. Kuldeep, Sharma, Ankit and Goyal, Rohit (2013). "Impact of Climate Change on Water Resource Systems of Rajasthan State" National Seminar on Climate Change Impacts on Water Resources Systems, Organized by Parul Institute of Engineering & Technology, Vadodara, Nov. 27-29 at Vadodara.



7. S. T. Dhotre, Gunwant Sharma, Rohit Goyal, S. K. Parikh, "Finite Element Analysis of Seepage Through Soils: - Aspect of Water Management" National Conference on Water Resource Management- Achievements & Challenges (WRM-AC2014), Jamia Millia Islamia, New Delhi, March 22, 2014.
8. Sandeep Shrivastava and Abdol Chini, "IT Application to Support Energy Conservation in Construction Procurement," 19th Annual Convention & National Seminar on Significance of Information Technology in Construction Industry, New Delhi, India, (February 6-8, 2014).

### Books Published

S. No.	Title	Author	Publisher
1.	Seismic Performance and Vulnerability of Indian RC Frame Buildings	Putul Haldar and Yogendra Singh	LAP Lambert Academic Publishing

### DEPARTMENT OF CHEMICAL ENGINEERING

#### Research Papers Published in International Journals:

1. Rakesh Baghel and Sushant Upadhyaya, (2013) "Effect of Coil Diameter on Pressure Drop in Archimedean Spiral Coils", International Journal of Applied Engineering Research, vol 8(18):2151-2156.
2. Jitendra Kumar Singh, Sushant Upadhyaya, and S.P. Chaurasia, (2013) "Application of vacuum membrane distillation for fluoride removal", International Journal of Chemistry and Chemical Engineering, Vol.3 (3) :209-214.
3. S. Raut- Jadhav, V. K. Saharan, D. Pinjari, S. Sonawane, D. Saini, A. Pandit, Synergetic effect of combination of AOP's (hydrodynamic cavitation and H<sub>2</sub>O<sub>2</sub>) on the degradation of neonicotinoid class of insecticide, Journal of hazardous materials, 2013 (261), 139-147.
4. S. Raut-Jadhav, V.K. Saharan, D. Pinjari, S. Sonawane, D. Saini, A. Pandit, "Intensification of degradation of imidacloprid in aqueous solutions by combination of hydrodynamic cavitation with various advanced oxidation processes (AOPs)", Journal of Environmental Chemical Engineering, 2013,1(4), 850-857.
5. M. M. Gore, V. K. Saharan, D. V. Pinjari, P. V. Chavan, A. B. Pandit, "Degradation of reactive orange 4 dye using hydrodynamic cavitation based hybrid techniques", Ultrasonics Sonochemistry, 2014, 21 (3), 1075-1082.
6. Bhandari, K., Chaurasia, S. P., Dalai, A. K., Gupta, A., Singh, K., "Kinetic study on enzymatic esterification of tuna fish oil fatty acids with butanol" Journal of Molecular Catalysis B: Enzymatic, 94, 104-110, 2013.
7. Dhabhai, R., Chaurasia, S.P., Singh, K., Dalai, A. K., "Kinetics of Bioethanol Production Employing Mono- and Co-Cultures of *Saccharomyces cerevisiae* and *Pichia stipitis*," Chemical Engineering Technology, 36(10), 1651-1657, 2013.
8. Jana, S. K., Arya, I. and Lungu, M., "Flat-film Model of a Foam-bed Contactor, International Journal of Engineering Research Technology, 2 (5), 2120-2129 (2013).
9. Jana, S. K., "Prediction of Parameter Values Required for the Simulation of a Three Phase Foam-slurry Reactor", International Journal of Innovations in Engineering and Management (ISSN 2319 3344), Vol. 2, No 2, pp. 8-18, 2013.
10. Jana, S. K., "Foam Separations and Foams in Separation Processes with/ without Chemical Reaction - A Review",



- International Journal of Physical, Chemical and Mathematical Sciences, Vol. 2, No. 2, 18-31, 2013.
11. Bhatt, Parul, Vyas, R. K. Pandit, Prabhat and Sharma, Manisha, "Adsorption of Reactive Blue and Direct Red dyes on PAC - Equilibrium, Kinetics and Thermodynamic Studies," Nature, Environment & Pollution Technology, 12 (3), pp.397-405, 2013. ISSN: 0972-6268.
  12. Jain, Swati, Vyas, R. K., Pandit, Prabhat, and Dalai, A. K., "Absorption of Antiviral drug, Acyclovir from aqueous solution on Powdered Activated Charcoal: kinetics, equilibrium and thermodynamic studies," Desalination and Water Treatment, 52 (25-27), pp.4953-4968, 2014, DOI: 10.1080/19443994.2013.810324 (Published Online: July 22, 2013), (Impact Factor: 0.852, Year: 2012) ISSN: 1944-3994 (Print), 1944-3986 (Online) (SCI Journal).
  13. Jain, Swati, Kumar, Pardeep, Vyas, R. K., Pandit, Prabhat, and Dalai, Ajay K., "Adsorption optimization of acyclovir on prepared activated carbon," Can. J. Chem. Eng., 92 (9), pp.1627-1635, 2014, DOI: 10.1002/cjce.22026 (Published online on August 7, 2014), (Impact Factor: 1.313, Year: 2013, Impact Factor: 1.003, Year: 2012) ISSN: 1939-019X (Online) (SCI Journal).
  14. Aditi Sharma, S. P. Chaurasia and A. K. Dalai (2014), "Non-selective hydrolysis of Tuna fish oil for producing free fatty acids containing Docosahexaenoic Acid", The Canadian Journal of Chemical Engineering, 92 (20) : 334-354, 2014.
  15. Kriti Bhandari, S. P. Chaurasia, A.K. Dalai, Alok Gupta, and K. Singh (2013), "Kinetic study on enzymatic esterification of tuna fish oil fatty acids with butanol," Journal of Molecular Catalysis: B, Vol. 94, pp. 104-110, 2013.
  16. Kriti Bhandari, S. P. Chaurasia, A. K. Dalai and Alok Gupta (2013), "Purification of free DHA by selective esterification of fatty acids from tuna oil catalyzed by *Rhizopus oryzae* lipase," Journal of the American Oil Chemists' Society, Vol. 90, Issue 11, pp. 1637-1644, 2013.
  17. Kriti Bhandari, S. P. Chaurasia and A. K. Dalai (2013), "Hydrolysis of tuna fish oil using *Candida rugosa* lipase for producing fatty acids containing DHA," International Journal of Applied and Natural Sciences, ISSN 2319-4014, Vol. 2, Issue 3, pp. 1-12, 2013.
  18. Kriti Bhandari and S. P. Chaurasia (2013), "Enzymatic Esterification of Oleic Acid with Lauryl Alcohol", International Journal of Engineering Research and Technology, ISSN 0974-3154, Vol. 6 (5), pp. 111-116, 2013.
  19. Jitendra Kumar Singh, Sushant Upadhyaya, and S. P. Chaurasia (2013), "Application of vacuum membrane distillation for removal of fluoride", International Journal of Chemistry and Chemical Engineering ISSN 2248-9924, Volume 3, Number 3, pp 209-214 (2013).
  20. Akhilesh Kushwaha, Sushant Upadhyaya, S.P. Chaurasia (2013), "Removal of Boron from Water using Vacuum Membrane Distillation", International Journal of Environmental Research and Development, Vol.3(7): (82-87), 2013.
  21. Vijay Shankar Gautam, Jitendra Singh, S.P. Chaurasia (2013), "Nitrate removal by vacuum membrane distillation from water", International Journal of Environmental Research and Development ISSN No.2249-3131, Volume 3, Number 7, pp 5-8, (2013).
  22. Aditi Sharma, A. K. Dalai and S. P. Chaurasia (2013), "Salmon and Herring Fish oil hydrolysis with immobilized *Candida antarctica* lipase-B", International Journal of General Engineering and Technology, 2 (4):1-14, 2013.
  23. Anjali Jain, Ravi Dhabhai, Neha Bajpai and S. P. Chaurasia (2013), "Kinetic Study on Enzymatic Saccharification of Sorghum Straw" International Journal of Applied Engineering Research, Vol 8 No. 7, 2013, ISSN 0973-4562, pp20-23.
  24. Dhabhai, R., Chaurasia, S. P., Dalai, A. K., and Singh, K. (2013). "Kinetics of Bioethanol Production Employing mono and co culture of *Saccharomyces cerevisiae* and *Pichia stipites*", Chemical Engineering & Technology, 36(10), 1651-1657.
  25. Dhabhai, R., Chaurasia, S. P., and Dalai, A.



- K. (2013), "Effect of pretreatment conditions on structural characteristics of wheat straw", *Chemical Engineering Communications*, 200(9), 1251-1259.
26. Aditi Sharma, S. P. Chaurasia and A. K. Dalai (2013), "Enzymatic Hydrolysis of Cod liver oil for the Fatty acids Production", *Catalysis Today*, 207:93-100, 2013.
27. Dhiraj Mehta , Suja George, Poonam Mondal, "Synthesis of Hydroxyapatite by Chemical Precipitation Technique and Study of Its Biodegradability", *International Journal of Research in Advent Technology*, Vol.2, No.4, April 2014.
- Research Papers Published in National Journals**
1. T. Jain, J. Carpenter, V.K. Saharan, "CFD analysis and optimization of circular and slit venturi for cavitation activity", *Journal of Material Science and Mechanical Engineering*, 2014, 1, 28-33.
2. Sini Shankar, Madhu Agarwal and S.P. Chaurasia, "Study of Reaction Parameters and Kinetics of esterification of Lauric acid with butanol by immobilized *Candida antarctica* lipase", *Indian Journal of Biochemistry & Biophysics Volume :50 / 570-576 / 2013 ISBN: 0975-0959*
- List of Papers Presented at International Conferences**
1. S. P. Chaurasia, Sushant Upadhyaya, Kailash Singh, "Water Desalination by Vacuum Membrane Distillation", presented in 2013-AIChE Annual Meeting San Francisco, Nov. 04, 2013.
2. Jyoti Jain, Jitendra Kumar Singh, Sushant Upadhyaya, S. P. Chaurasia, "Application of vacuum membrane distillation for Nitrate removal", International Conference on Innovative Technology and Management for water security organized by NIOT Chennai and InDACon-2014.
3. Jitendra Kumar Singh, Sushant Upadhyaya, and S. P. Chaurasia, "Application of vacuum membrane distillation for fluoride removal", International Conference on "Chemical, Environmental and Bioprocess Engineering" CEBE-2013, JNU Delhi, Organized by Krishi Sanskrit Dec. 21 -22, 2013.
4. T. Jain, J. Carpenter, V.K. Saharan, "CFD analysis and optimization of circular and slit venturi for cavitation activity", 5th International Conference on "Innovative Trends in Mechanical, Material, Manufacturing, Automobile, Aeronautical Engineering and Applied Physics"(ITMAEAP-2014).
5. Saini, A., Singh, K., "CFD simulation of hydrocracking process in a microchannel reactor," 9th World Congress of Chemical Engineering, 15th Asia Pacific Confederation of Chemical Engineering Congress (WCCE9, APCCHE2013), 18 23 August, 2013, Korea.
6. Sushant Upadhyaya, S.P. Chaurasia, and Kailash Singh, "Comparison of Experimental and Predicted Data for removal of Multi-ions (Cl-, F- and Na+) by Vacuum Membrane Distillation for Desalination", International Conference on Innovative Technology and Management for water security organized by NIOT Chennai and InDACon-2014.
7. Sweta Lal, Sushant Upadhyaya, and S.P. Chaurasia, "Membrane characterization for Vacuum Membrane Distillation", CHEMCON-13 Indian Institute of Chemical Engineers and Institute of Chemical Technology, Mumbai Dec. 27-30, 2013.
8. Aditi Sharma, S. P. Chaurasia and A. K. Dalai, "Lipase catalyzed hydrolysis of Salmon and Herring fish oils", 96th Canadian chemistry conference organized by American Institute of Chemical Engineers (AIChE) at Quebec city, Quebec (Canada) between May 26-30, 2013.
9. Aditi Sharma, S. P. Chaurasia and A. K. Dalai, "Selective esterification of Tuna free fatty acids with immobilized *Pseudomonas cepacia* and *Thermomyces lanuginosus* to produce esters rich in Docosahexaenoic acid", presented in conference 2013 AIChE Annual Meeting, American Institute of Chemical Engineers (AIChE), San Francisco, California (US), Nov. 3-8, 2013.
10. Poonam Mondal, Suja George, Dhiraj Mehta "Removal of fluoride from acid



- treated water by using Calcite”, Proceedings of the International Conference on Innovative Advancements in Engineering & Technology, Jaipur National University, 7th, 8th March 2014, Jaipur.
11. Dhiraj Mehta, Suja George, Poonam Mondal “Hydroxyapatite synthesis by precipitation method and evaluation of its biodegradability”, Proceedings of the International Conference on Innovative Advancements in Engineering & Technology, Jaipur National University, 7th, 8th March 2014, Jaipur.
  12. Poonam Mondal and Suja George, “Fluoride Removal by using Calcium Aluminium – Magnesium Powder as adsorbent”, Proceedings of International Conference on Materials for the Future, Innovative materials, Processes, Products and Applications- ICMF 2013, 6th to 8th November, Trichur, India, pp100.
  13. Dhiraj Mehta and Suja George, “Hydroxyapatite: Synthesis and Characterisation”, Proceedings of International Conference on Materials for the Future, Innovative materials, Processes, Products and Applications- ICMF 2013, 6th to 8th November, Trichur, India, pp101.
  14. A.B. Gupta, Savitha, Suja George and Poonam Mondal, “Effect on Activated Alumina Fluoride Removal Capacity in presence of Chloride”, Proceedings of International Conference on Materials for the Future, Innovative materials, Processes, Products and Applications- ICMF 2013, 6th to 8th November, Trichur, India, pp109.
  15. Dohare, R.K., Singh, K. and Kumar, R., "Robust Model based Control of Dividing wall column" in Proceedings of International Conference on Control, Communication and Computing (ICCC-2013) College of Engineering Trivandrum, Kerala, 13-15 December, 2013.
  16. Dohare, R.K., Singh, K., and Kumar, R., "Optimal parameters for B T X separation in Divided Wall Column" ,in Proceedings of International Conference on Advances in Chemical Engineering (ICACE-2013) NIT Raipur.
  17. R.K. Dohare, M. Kumar "Model based controller for control the train of continuous stirred tank reactor", in Proceedings of International Conference on Advances in Chemical Engineering (ICACE-2013) NIT Raipur.
  18. S. Singha, R. K. Dohare, M. Agarwal "Two-Phase Modelling of Turbulent Convective Heat Transfer of Dilute CuO/Water Nanofluid Inside A Circular Tube", in Proceedings of International Conference on Advances in Chemical Engineering (ICACE-2013) NIT Raipur.
  19. S. Kumar , R. K. Dohare " Control Of an Extractive Distillation Column for Isobutyl Acetate - Isobutyl Alcohol System" ,in Proceedings of International Conference on Advances in Chemical Engineering (ICACE-2013) NIT Raipur.

#### List of Papers Presented at National Conferences

1. Jyoti Jain, Jitendra Kumar Singh, Sushant Upadhyaya, S.P.Chaurasia, “Study of Process Parameters for Nitrate Removal by Vacuum Membrane Distillation” presented in the National Conference on Innovation and Development in Chemical Technology (IDCT-2014) Feb 28 - March 1, 2014 organized by University School of Chemical Technology, Guru Gobind Singh Indraprastha University, Dwarka, New Delhi.
2. Alka Dubey, Jyoti Jain, Jitendra Kumar Singh, S.P.Chaurasia, “An experimental study on effect of operating parameters on flux for ethanol water separation using vacuum membrane distillation (VMD)” presented in the National Conference on Innovation and Development in Chemical Technology (IDCT-2014) Feb 28 - March 1, 2014, University School of Chemical Technology, Guru Gobind Singh Indraprastha University, Dwarka, New Delhi.
3. Vijay Shankar Gautam, Jitendra Singh, S.P.Chaurasia, Nitrate removal by vacuum membrane distillation from water, National Conference on Environmental Research and Development-2013, organized by Krishi Sanskriti at J.N.U. New Delhi.
4. Suja George “Modeling of Defluoridation Processes”, presented in the One Day Workshop on “Innovations in



- Defluoridation”, Received Best paper Award for the paper from the Indian Water Works Association at the 46th IWWA National Convention held on 24th to 26th January 2014, in Bangalore, India.
5. Suja George and A.B. Gupta, “A comprehensive review of Activated Alumina Based Defluoridation Process for Drinking Water Treatment” Proceedings of the 46th IWWA National Convention held on 24th to 26th January 2014, in Bangalore, India.
  6. Poonam Mondal, Suja George, “A comparative analysis of adsorbents used for fluoride removal of drinking water”, Proceedings of Cheminova’14, 23rd to 25th Jan 2014, at MNIT Jaipur.
  7. Dhiraj Mehta, Suja George, “Biomaterials: An Emerging Technology”, Proceedings of Cheminova’14, 23rd to 25th Jan 2014, at MNIT Jaipur.
  8. Parimala S., Suja George, “Synthesis of nano-alumina for defluoridation of water”, Proceedings of Cheminova’14, 23rd to 25th Jan 2014, at MNIT Jaipur.
  9. Prakash Kumar Singh, Suja George, “Effect of calcination on adsorption capacity of Magnesium and Calcium amended activated alumina balls”, Proceedings of Cheminova’14, 23rd to 25th Jan 2014, at MNIT Jaipur.
  10. Suja George, “Modeling & Simulation Studies of Aluminium Based Defluoridation materials in Drinking water treatment”, Invited Talk, 5th November, Govt. Engg. College, Trichur, India.
  11. Jana, S.K. and Pragati, Studies on Carbonation of Barium Sulfide in Bubble Column and Foam-bed Reactors, CHEMCON 2013, ICT Mumbai, Matunga, Maharashtra, December 27-30, 2013.
  12. Sweta Lal, Sushant Upadhyaya, S.P. Chaurasia, (2013) "Membrane Characterization for Vacuum Membrane Distillation" presented in CHEMCON-2013 organized by Regional Center, IChE Mumbai, and ICT Mumbai, December 27-30, 2013.
  13. Sujan, Ajay and Vyas, R. K., “Effect of Temperature on Volumetric Mass Transfer Coefficient, KLa in a Mechanically Stirred Gas- Liquid System,” Accepted for poster presentation at 66th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2013, December 27-30, 2013, Mumbai, India.

### Books Published

S. No.	Title	Author	Publisher
1.	Chapter:3 Advanced Oxidation Technologies for wastewater Treatment: An Overview, (Book: Industrial Wastewater Treatment, Recycling, and Reuse)	V.K. Saharan, D.V. Pinjari, P.R. Gogate, A. B. Pandit	Butterworth Utterworth, Elsevier



## DEPARTMENT OF COMPUTER ENGINEERING

### Research Papers Published in International Journals:

1. Subhash Panwar and Neeta Nain, "A Novel Segmentation Methodology for Cursive Handwritten Documents", IETE Journal of Research Volume :6 / 100-110 / 2014 ISBN: 10.1080/03772063, 2014.
2. Deepti Khanduja and Neeta Nain, "A Hybrid Feature Extraction Algorithm For Devanagari Script, TALIP-14-0017. R1, ACM Transactions on Asian Language Information Processing", ACM Transactions on Asian Language Information Processing Volume : 14 / 0017, 2014.
3. Vinay Kumar Kaushik, Hemant Kumar Sharma, Dinesh Gopalani, "Load Balancing In Cloud Computing Using High Level Fragmentation Of Dataset", International Conference on Cloud, Big Data and Trust at RGPV Bhopal, November 2013.
4. Navdeep Aggarwal, Parshant Tyagi, Bhanu P. Dubey and Emmanuel S. Pilli, "Cloud Computing: Data Storage Security Analysis and its Challenges," International Journal of Computer Applications, Vol. 70, 24, 33-37, May 2013.
5. Parshant Tyagi, Navdeep Aggarwal, Bhanu P. Dubey and Emmanuel S. Pilli, "HIPAA Compliance and Cloud Computing," International Journal of Computer Applications, vol. 70, 24, pp-29-32, May 2013.
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3. Dr. Harlal.S. Mali & Pulkit Rana, Improvements in Design of Tooling of Trim Dies in Abrasive Flow Machining, 28th National Convention of Production Engineers and National Seminar on "Advancements in Production and Operations Management" 04-05 May, 2013, 488-500, MNIT Jaipur.
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2.	Comprehensive Hard Materials (2014)	Dr. Brahma Raju Golla	Elsevier Publishes
3.	MAX Phases and Ultra -High Temperature Ceramics for Extreme Environments (2013)	Dr. Brahma Raju Golla	IGI Global Publishers, Hershey, PA



## DEPARTMENT OF MANAGEMENT STUDIES

### Research Papers Published in International Journals:

1. Jain, K., Kumar, S. and Solanki, A. (2013) "HRD climate in National Rural Health Mission in India- an empirical study", International Journal Behavioural and Healthcare Research, Vol. 4, No. 1, pp.81-99. [Inderscience Publishers, UK].
2. Kumar, S. (2013) "An Inter Industry Analysis of EVA versus Traditional Corporate Financial Performance Measures: Evidence from Indian Market", International Journal of Managerial and Financial Accounting (IJMFA), Vol 5, No. 3, pp. 219-252. [Inderscience Publishers, UK]
3. Shradha Gupta, Dr Monica Sharma "TOC Based TQM Framework: A Case Study of Automotive Supplier" International Journal of Intercultural Information Management 2013, Inderscience Publication.
4. Partap Singh, H. and Kumar, S. (2014) "Working capital management: A literature review and research agenda", Qualitative Research in Financial Markets, Vol. 6, No. 2, pp. 173-197 [Emerald Group Publishing Limited, UK].
5. Choudhary Manisha, Sharma Dipti & Mahalawat, D (2013) "Competency Mapping: an Effective Tool for HRM" published in International Journal of Research In Commerce & Management (<http://ijrcm.org.in/>) Vol.4 Issue 5, May, 2013: 64-69.

### List of Papers Presented at International Conferences:

1. Monica Sharma & Shradha Gupta "Lean & Six Sigma: A literature review" 2nd International Conference on Industrial Engineering, 2013, pp.14-20, SVNIT, Surat.
2. Monica Sharma & Shradha Gupta "TOC Based TQM Framework: A Case Study",

International Conference on Management and Business Innovation (ICOMBI-2013), MNIT, Jaipur.

### List of Papers Presented at National Conferences

1. Deepak Verma "Emerging Role of Social Media in Marketing" invited lecture at National Conference of Social Media and EMarketing (March 1, 2014) at Jaypee Business School, NOIDA
2. Dipti Sharma & Boola Choudhary, "Energy-Water Nexus: Managing the link between Energy and Water", presented in the 34th Annual Conference of the Rajasthan Economic Association held at St. Xavier's College Jaipur, 17-19 January, 2014.

## DEPARTMENT OF PHYSICS

### Research Papers Published in International Journal

1. N. K. Agrawal, K. Awasthi, Y. K. Vijay, K. C. Swami, "Synthesis and Characterization of Plasma Treated TiO<sub>2</sub> Nano Composites Polymer Membranes", Journal of Advanced Electrochemistry, 2, 31 (2014).
2. N. K. Agrawal, R. Agarwal, Y. K. Vijay, K. C. Swami, "Plasma Etching Technology for Surface and Chemical Modifications of Aluminium and Poly Methyl Meth Acrylate (PMMA) Nanocomposites", Advanced Science, Engineering and Medicine 6 (6), 698-703 (2014).
3. N. K. Agrawal, R. Agarwal, Y. K. Vijay, K. C. Swami, "Reactive Polymer Surfaces for Cell Colonization", Journal of Materials Science and Surface Engineering 2(1), 1-4, (2014).
4. N. K. Agrawal, R. Agarwal, Y. K. Vijay, K. C. Swami, "Enhancement of Sterilization Efficiency of Polymer Nanocomposite by Argon Plasma Irradiation", Journal of Bionanoscience, 8, 108-115 (2014).
5. N. K. Agrawal, R. Agarwal, Y. K. Vijay, K. C. Swami, "Characterization of N<sub>2</sub> Plasma Treated Nano Composites Polymer Membranes", Journal of Materials Science



- and Surface Engineering 1(1), 4-7 (2013)
6. A.Sharma, K.C.Swami, "Pulsed DC Glow Discharge Plasma Nitriding Process on AISI 1045 steel," International Journal of Materials Engineering (IJME) Vol. 3 No 5 (2013).
  7. Poonam Sharma, Anil Dhawan and S. K. Sharma, "High temperature Corrosion Study of Zr-based Amorphous Alloys in Aqueous HNO<sub>3</sub> Media", International Journal of Modern Communication Technologies and Research (IJMCTR), 2, 1-4(2014).
  8. K. Sachdev and S. K. Sharma, Responses to comment by by Mueller et.al., Shubhra Mathur, Rishi Vyas, Rohit Jain, Pravin Kumar, J. Non-Cryst. Sol. 376, 235-236 (2013).
  9. Kataria T, Sachdev K, Choughle A, Supe S. "Comparison of Geometrical Uncertainties in Breast Radiation Therapy with Different Immobilization Methods" Kanan Jassal, Bisht S, Journal of Nuclear Medicine & Radiation Therapy, 2013, 4:1
  10. "Rishi Vyas, S. Sharma, P. Gupta, YK Vijay, A. K. Prasad, A. K. Tyagi, K. Sachdev, S. K. Sharma, Enhanced NO<sub>2</sub> sensing using ZnO-TiO<sub>2</sub> nanocomposite thin films," Journal of Alloys and Compounds, 554 (2013) 59-63
  11. Kana Jassal, Anusheel Sharma, Bindu K. Mohanti, A. Choughule, K. Sachdev. "Validation of an integrated patient positioning system. Exactrac an iViewGT on synergy Platform". International Journal of Cancer Therapy and Oncology, Vol.2, No.2, 2014
  12. K.K. Venkataratnam. 2013. 16 pp. Published in Mod. Phys. Lett. A28 (2013) 1350168 DOI: 10.1142/S021773231350168X.
  13. V. Saikiran, N. Srinivasa Rao, G. Devaraju, G. S. Chang, and A. P. Pathak, SHI irradiation fluence and energy loss dependence effects on Ge NCs with different initial sizes embedded in SiO<sub>2</sub>, Nucl. Instrum. Methods B, 323 (2014) 14-18.
  14. N. Manikanthababu, T.K. Chan, A.P. Pathak, G. Devaraju, N. Srinivasa Rao, P. Yang, Ion beam studies of Hafnium based alternate high-k dielectric films deposited on silicon, M.B.H. Breese, T. Osipowicz, S.V.S. Nageswara Rao, Nuclear Instruments and Methods in Physics Research B 332 (2014) 389-392.
  15. Y. K. Mishra & R. Adelung & G. Kumar & M. Elbahri & S. Mohapatra & R. Singhal & A. Tripathi & D. K. Avasthi, Formation of self-organized silver nanocup-type structures and their plasmonic absorption Plasmonics, 8 (2013) 811.
  16. R. Singhal & D. Kabiraj & P. K. Kulriya & J. C. Pivin & R. Chandra & D. K. Avasthi, Blue-Shifted SPR of Au Nanoparticles with Ordering of Carbon by Dense Ionization and Thermal Treatment, Plasmonics, 8 (2013) 295.
  17. R. Singhal, J. C. Pivin, R. Chandra, D.K. Avasthi, Ion irradiation studies of silver/amorphous carbon nanocomposite thin film Surface and Coatings Technology 229 (2013) 50.
  18. R. Singhal, J. C. Pivin, D. K. Avasthi J Nanopart Ion beam irradiation-induced tuning of SPR of Au nanoparticles in fullerene C70 matrix: dependence of energy loss, Res 15 (2013) 1641.
  19. R. Singhal, Ambuj Tripathi, D. K. Avasthi, Synthesis of carbon nanowires by SHI irradiation of fullerene C70 thin film, Advanced Materials Letters 4 (2013) 413.
  20. Kamendra Awasthi, Soumyadip Choudhury, Hartmut Komber, Frank Simon, Petr Formanek, Ashutosh Sharma, Manfred Stamm Functionalization of track-etched poly (ethylene terephthalate) membranes as a selective filter for hydrogen purification, Int. J. of Hydrogen Energy, xx (2014) xxx.
  21. Narendra Kumar Agarwal, Kamendra Awasthi, Y. K. Vijay and K. C. Swami, Synthesis and Characterization of plasma treated TiO<sub>2</sub> nano composite polymer membranes, Advanced Electrochemistry, xx (2014) xxx.



22. Hrshita Agarwal, Kamlendra Awasthi, V. K. Saraswat, Non-Isothermal Crystallization Kinetics of TiO<sub>2</sub> nanoparticle filled Poly (ethylene terephthalate) with Structural & Chemical properties, Polymer Bulletin xx (2014) xxx.
23. Harshita Agarwal, Vibhav K. Saraswat, Kamlendra Awasthi, PET-ZnO nanocomposites: Synthesis and Characterization, Advanced Electrochemistry xx (2014) xx.
24. Satyendra Kumar, Paramjit Singh, R.G. Sonkawade, Kamlendra Awasthi, Rajesh Kumar, 60 MeV Ni ion induced modifications in nano-CdS/polystyrene composite films, Radiation Physics and Chemistry 94 (2014) 49-53.
25. Kumud Kant Awasthi, Anjali Awasthi, Narender Kumar, Partha Roy, Kamlendra Awasthi, Silver nanoparticle induced cytotoxicity, oxidative stress, and DNA damage in CHO cells, P. J. John, Journal of Nanoparticle Research 15-9 (2013) 1-12.
26. K. K. Awasthi, A. Awasthi, Kamakshi, Narain Bhoot, P.J. John, S. K. Sharma, Kamlendra Awasthi, Antimicrobial properties of electro-chemically stabilized organo-metallic thin films, Advanced Electrochemistry 01 (2013) 42-47.
27. K.K. Awasthi, P.J. John, A. Awasthi, Kamlendra Awasthi Multi walled carbon nano tubes induced hepatotoxicity in Swiss albino mice, Micron, 44 (2013) 359-364.

#### List of Papers Presented at International Conferences

1. N.K. Agrawal, K. Awasthi, Y. K. Vijay, K. C. Swami, Surface Modification of Nano Composite Polymer Membranes by Ion Plasma Treatment for Bio-Medical Application, International Conference on Nanostructure by Ion Beam (21-25 Oct 2013) GoldPalace, Jaipur.
2. N Srinivasa Rao, A P Pathak, G Devaraju, V Saikiran, N Manikanthababu, A Kilmametov, H Hahn and S V S Nageswara Rao, Ion beam induced modifications in TiNi alloys, International Conference on

Nanostructuring by Ion Beams which was held at Jaipur during, Oct 23-25, 2013

#### List of Papers Presented at National Conferences

1. Poonam Sharma, Anil Dhawan and S. K. Sharma, Corrosion behavior of amorphous Zr<sub>59</sub>Nb<sub>3</sub>Al<sub>10</sub>Ni<sub>8</sub>Cu<sub>20</sub> alloy in aqueous HNO<sub>3</sub> media at boiling temperature, National Conf. on thermophysical properties (NCTP 2013), Oct 17-19, 2013, Kanpur University, Kanpur (India).
2. Poonam Sharma, Anil Dhawan and S. K. Sharma, Comparing the corrosion behaviour of the bulk amorphous alloy Zr<sub>65</sub>Cu<sub>17.5</sub>Ni<sub>10</sub>Al<sub>7.5</sub> with binary alloy Ti<sub>60</sub>Ni<sub>40</sub> in aqueous HNO<sub>3</sub> medium before and after irradiation, National Conf. on Perspectives of Physics in Multidisciplinary Research, March 12-13, 2014, Physics Deptt., UOR, Jaipur (India)
3. Vikas Sharma, Pramod Kumar, Geeta Rana, Rishi Vyas, K. Sachdev, Hitendra K. Malik, K. Asokan, Enhanced UV and suppressed defect related emission in Y-doped ZnO, DAE Solid State Symposium, Thapar University, Patiala, 17-21, Dec 2013.

#### DEPARTMENT OF MATHEMATICS

#### Research Papers Published in International Journals:

1. K.C. Jain and R.N. Sarswat "Inequalities among Generalized Information Measures of Type S and Its Applications in Information Theory" accepted in Jr. of Combinatorics, Information & System Sciences (JCISS) Vol 38 (2013)
2. K.C. Jain and Praphull Chhabra "Establishing Relations among Various Measures by using well Known Inequalities", International Journal Of Modern Engineering Research (IJMER) Vol. 4 Issue .1 Jan., 2014 pp 238-246.
3. K C Jain and Praphull Chhabra "A new Non-symmetric Information Divergence Measure of Csiszar's Class, Properties and its bounds" International Journal of Research in Engineering and Technology



- (IJRET), Volume 3, Issue 5, 7 May 2014, 665-671.
4. K.C. Jain and Praphull Chhabra "Bounds of a new  $f$ -divergence measure by using new information inequality", *Antarctica J. Math.*, 11(1)(2014), 55-68.
  5. K.C. Jain and Praphull Chhabra "New information inequalities and its special cases", *Journal of Rajasthan academy of physical sciences*, Vol. 13, No. 1, march 2014, pp: 39- 50.
  6. K.C. Jain and Praphull Chhabra "On a difference of generalized  $f$ -divergences", *International journal of mathematical archive*, Vol. 5, No. 3- 2014, pp: 76- 86.
  7. Rashmi Jani and Padma Kumawat A Study of general Pathway Transform *International journal of math and comp. appl. Rech*, 3(4)77-88, 2013.
  8. Agarwal Ritu, Sets of the generating functions for the polynomials having generalized Appell' srepresentation, *Mathematical Sciences International Research Journal*, 2 (1) (2013), 9-12.
  9. Hari Singh Pariharand Ritu Agarwal (2014) A class of multivalent functions defined by generalized Ruscheweyh derivatives involving a general fractional derivative operator, *Proyecciones Journal of Mathematics*, 33(1), 187-202.
- Maeda Fractional Differential Operators of the Multivariable H-Function, *International Journal of Computational Science and Mathematics* 5 (2)(2013), 43-54.
5. Vatsala Mathur, Kavita Khandelwal, "Exact Solution for the Flow of Oldroyd-B Fluid Between Coaxial Cylinders", *International Journal of Engineering Research & Technology*, Vol. 3 - Issue 1 P.949-954 (2014).
  6. Vatsala Mathur, Kavita Khandelwal, "Unsteady unidirectional flow of Oldroyd-B fluid between two infinitely long coaxial cylinders", *Int Jr. of Mathematical Sciences & Applications* Vol. 4, No.1, P.1-10(2014).

#### List of Papers Presented at International Conferences:

1. Kanad Ray, Ritu Agarwal, L. A. Cacha, R. R. Poznanski, Protein Polarization Induced Bloch Waves in Axonal Fibres, *Icovep-2013*, Z. Dimitrovova et al. (eds.), Lisbon, 9-12 September 2013.
2. Chandrakumar M. Badole, A.P.S. Rathore, Bimal Nepal, Rakesh Jain, Ritu Agarwal, RFID and Perishable Product Supply Chain with Shortages, *Proceedings of ICRTES'13* Organized by SPVRYAN, Elsevier, December 2013, 141-147.

#### Research Papers Published in National Journals:

1. Kantesh Gupta, Alpana Gupta, *Palestine J. of Mathematics*, 2(1), 32-37, 2013, On the study of unified representations of the generalized Voigt functions.
2. Kantesh Gupta, Meena Kr. Gurjar, " *Raj. Acad., Phy. Sciences*, 12(2), 213-226, July 2013, A Study of unified finite integral involving hypergeometric function and general class of functions-II.
3. Kantesh Gupta, Meena Kr. Gurjar A Study of Unified Finite Integral Involving Hypergeometric Function and General Class of Functions, *Int. J. of Mathematical Arch.* 4 (4) (2013), 296-303.
4. Kantesh Gupta, Meena Kr. Gurjar Saigo-

#### DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCE

#### Research Papers Published in International Journals:

1. Shekhawat, Vibhuti Singh *International Conference on Buddhism "Mahatma Gandhi and Religious Metaphysics"* and *World Culture* from 25 to 27 Oct. 2013 at Jinan University, Guangzhou in China (Under Print).
2. Choudhary Manisha, Sharma Dipti & Mahalawat, D. (2013). "Competency Mapping: an Effective Tool for HRM" published in *International Journal of*





## 11.10 COURSES AND ADMISSIONS

### Undergraduate Programme

Academic Programmes leading to B.Tech. /B. Architecture Degree as noted below

S. No.	Branch	Intake capacity
1.	Architecture & Planning (5 years)	62
2.	Civil Engg. (4 years)	92
3.	Chemical Engg. (4 years)	92
4.	Computer Science & Engg. (4 years)	93
5.	Electrical Engg. (4 years)	93
6.	Electronics & Communication Engg. (4 years)	93
7.	Mechanical Engg. (4 years)	93
8.	Metallurgical Materials Engg. (4 years)	92
<b>Total</b>		<b>710</b>

### Postgraduate Programmes

Academic Programmes leading to M. Tech./M.B.A./M.Sc. Degree as noted below

S. No.	Branch	Intake capacity
1	M. Tech. in Water Resources Engg.	10 General 05 Sponsored 03 SC 02 ST 05 OBC 06 Part Time <u>31</u>
2	M. Tech. in Environmental Engg.	31 as above
3	M. Tech. in Transportation Engg.	31 as above
4	M. Tech. in Structural Engg.	31 as above
5	M. Tech. in Power Systems	31 as above
6	M. Tech. in Electronics & Comm. Engg.	31 as above
7	M. Tech. Industrial Engg.	31 as above
8	M. Tech. in Metallurgical & Materials Engg.	31 as above
9	M. Tech. in Energy Engg.	31 as above
10	M. Tech. in Chemical Engg.	31 as above
11	M. Tech. in VLSI Design	31 as above
12	M. Tech. in Computer Engg.	31 as above
13	M.Tech. in Disaster Assessment & Mitigation	31 as above



S. No.	Branch	Intake capacity
14	M. Planning in Architecture	31 as above
15	M.Tech. in Renewable Energy	10 General 03 SC 02 ST 05 OBC <u>20</u>
16	M.Tech. in Production Engg.	20 as above
17	M. Tech. in Design Engg.	20 as above
18	M. Tech. in Steel Technology	20 as above
19	M. Sc. in Physics	16 General 05 SC 02 ST 08 OBC <u>31</u>
20	M. Sc. in Applied Chemistry	31 as above
21	M. Sc. in Mathematics	31 as above
22	M. B. A.	31 General 09 SC 05 ST 17 OBC <u>62</u>



**(a) Undergraduate Programmes**

The allocation of 710 seats for students from Rajasthan & other than Rajasthan states are as follows

<b>Malaviya National Institute of Technology Jaipur</b>											
	<b>Degree</b>	<b>Branch</b>	<b>OP</b>	<b>OPPH</b>	<b>SC</b>	<b>SCPH</b>	<b>ST</b>	<b>STPH</b>	<b>OBC</b>	<b>OBCPH</b>	<b>Total</b>
All India CAI	B.Arch.	Architecture	15	1	5	0	2	0	8	0	31
	B.Tech.	Civil Engg.	23	0	7	0	3	1	12	0	46
	B.Tech.	Chemical Engg.	23	0	6	1	4	0	12	0	46
	B.Tech.	Computer Science & Engg.	23	1	7	0	3	0	12	1	47
	B.Tech.	Electrical Engg.	22	1	7	0	4	0	13	0	47
	B.Tech.	Electronics & Communication Engg.	23	0	7	0	3	0	12	1	46
	B.Tech.	Mechanical Engg.	22	1	6	1	4	0	12	0	46
	B.Tech.	Metallurgical & Materials Engg.	22	1	7	0	3	0	13	0	46
		<b>TOTAL (A)</b>		<b>173</b>	<b>5</b>	<b>52</b>	<b>2</b>	<b>26</b>	<b>1</b>	<b>94</b>	<b>2</b>
Home State (HS)	B.Arch.	Architecture	15	0	4	0	2	1	9	0	31
	B.Tech.	Civil Engg.	22	1	7	0	3	0	12	1	46
	B.Tech.	Chemical Engg.	22	1	7	0	3	0	13	0	46
	B.Tech.	Computer Science & Engg.	22	1	7	0	4	0	12	0	46
	B.Tech.	Electrical Engg.	23	0	6	1	3	0	12	1	46
	B.Tech.	Electronics & Communication Engg.	23	1	7	0	4	0	12	0	47
	B.Tech.	Mechanical Engg.	23	0	7	0	3	1	13	1	47
	B.Tech.	Metallurgical & Materials Engg.	22	1	6	1	4	0	12	0	46
		<b>TOTAL (B)</b>		<b>172</b>	<b>5</b>	<b>51</b>	<b>2</b>	<b>26</b>	<b>1</b>	<b>95</b>	<b>3</b>
	<b>GRAND TOTAL (A+B)</b>		<b>345</b>	<b>10</b>	<b>103</b>	<b>4</b>	<b>52</b>	<b>2</b>	<b>189</b>	<b>5</b>	<b>710</b>



**Course-Wise Enrolment of undergraduate B.Tech. / B. Arch. Programme through CSAB, DASA, ICCR and MEA during the session 2013-14**

Branch/Duration	Total registered students					
	I Year	II year	III Year	Final Year	Final Year Arch.	Total
Architecture & Planning (5 years)	57	66	65	62	48	<b>298</b>
Civil Engg. (4 years)	91	101	103	92	00	<b>387</b>
Chemical Engg. (4 years)	87	93	97	92	00	<b>369</b>
Computer Science & Engg. (4 years)	107	110	99	92	00	<b>406</b>
Electrical Engg. (4 years)	91	96	94	90	00	<b>371</b>
Electronics & Communication Engg. (4 years)	98	102	98	92	00	<b>389</b>
Information Technology (4 years)	00	00	81	90	00	<b>171</b>
Mechanical Engg. (4 years)	110	109	112	91	00	<b>417</b>
Metallurgical & Materials Engg. (4 years)	82	92	87	75	00	<b>336</b>
<b>TOTAL</b>	<b>723</b>	<b>769</b>	<b>836</b>	<b>776</b>	<b>48</b>	<b>3144</b>

**COURSE WISE ADMISSION STATISTICS-UG/PG PROGRAMMES**

(a) Students admitted to Undergraduate B. Tech./B.Arch. programmes through CSAB during the session 2013-14

S. No.	Branch	SC	ST	OBC	GC	Total
1.	Architecture & Planning	6	4	19	25	<b>54</b>
2.	Chemical Engg.	13	7	21	41	<b>82</b>
3.	Civil Engg.	14	7	28	37	<b>86</b>
4.	Computer Science & Engg.	14	6	26	44	<b>90</b>
5.	Electronics & Comm. Engg.	14	7	26	40	<b>87</b>
6.	Electrical Engg.	15	7	30	38	<b>90</b>
7.	Information Technology *	00	0	0	00	00
8.	Mechanical Engg.	14	7	28	40	<b>89</b>
9.	Metallurgical & Materials Engg.	11	8	23	40	<b>82</b>
		<b>101</b>	<b>53</b>	<b>201</b>	<b>305</b>	<b>660</b>

\* There will be zero session for 2013-14



(b) Students admitted to Postgraduate Programmes during the session 2013-14 in M.Tech. / M.Plan. / M.Sc. / M.B.A. programmes

S. No.	Programmes	General	ST	SC	OBC	Sponsored	Part Time	Intake
1.	Chemical Engineering	6	0	3	5	2	-	16
2.	Environmental Engg.	6	1	2	4	2	1	16
3.	Water Resources Engg.	4	0	2	5	-	-	11
4.	Structural Engg.	8	0	1	3	3	2	17
5.	Power Systems	7	1	1	7	0	-	16
6.	Transportation Engg.	6	1	2	3	-	3	15
7.	Industrial Engg.	12	2	2	4	0	4	24
8.	Metallurgical & Materials Engg.	11	0	3	7	0	0	21
9.	Electronics & Comm. Engg.	8	0	3	5	7	3	26
10.	VLSI Design	9	0	3	4	4	2	22
11.	Energy Engineering	10	2	3	5	1	2	23
12.	Computer Engineering	7	2	2	4	8	2	25
13.	Disaster Assessment and Mitigation	8	1	1	2	-	-	12
14.	Renewable Energy	6	1	2	9	1	-	19
15.	Production Engg.	7	1	2	3	-	-	13
16.	Design Engg.	7	1	0	5	-	-	13
17.	Steel Technology	1	0	2	3	-	-	6
18.	Urban Planning	11	0	1	1	0	-	13
		<b>134</b>	<b>13</b>	<b>35</b>	<b>79</b>	<b>28</b>	<b>19</b>	<b>308</b>
<b>M. Sc.</b>								
19.	M. Sc. Physics	14	0	3	7	-	-	24
20.	M. Sc. Chemistry	17	1	5	6	-	-	29
21.	M. Sc. Mathematics	7	0	2	6	-	-	15
		<b>38</b>	<b>1</b>	<b>10</b>	<b>19</b>	<b>-</b>	<b>-</b>	<b>68</b>
<b>M.B.A</b>								
22.	M.B.A.	27	0	3	6	-	-	36
	<b>Grand Total</b>	<b>M. Tech/M. Plan/M. Sc./MBA</b>						<b>412</b>



### Ph.D. Programmes 2013-14

S. No.	Department	Students admitted	
		Full Time	Part Time
1.	Centre for Energy & Env.	4	1
2.	Chemical Engineering	10	0
3.	Chemistry	7	1
4.	Civil Engg.	13	8
5.	Computer Engineering	15	4
6.	Electrical Engg.	5	0
7.	Electronics & Comm. Engg.	10	9
8.	Management Studies	4	2
	Humanities & Social Sc.	3	0
9.	Mathematics	3	1
10.	Mechanical Engg.	13	3
11.	Metallurgical & Materials Engg.	5	1
12.	Physics	8	1
	<b>Grand Total</b>	<b>100</b>	<b>31</b>



## 11.11 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. 8000/- PM	For M. Tech. (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. 4000/- PM + contingency Rs. 5000/- PA	For M. Tech.

### For Ph.D. Scholars

S.No.	Name of Scholarship	Address	Amount	Conditions
1.	CSIR-UGC Fellowship	CSIR Complex PUSA New Delhi	JRF/SRF/RA+HRA	For Ph.D.
2.	Institute Fellowship JRF	Institute	Rs. 18000/- for first two years and Rs. 20000/- for next two years	For Ph.D.
3.	Scholarship to Sponsored Candidates QIP (Poly) Scheme Scholarship from AICTE New Delhi	Advisor All India Council of Technical Education Ports Complex IP Estate New Delhi -110002	Rs. 9000/- PM + Contingency Rs. 10000/- PA	For Ph.D.
4.	TEQIP	TEQIP-II	Rs. 18000/- for first two years and Rs. 20000/- for next two years	For Ph.D.



## 11.12 Training and Placement

### Salient Features of Placement Session 2013-14

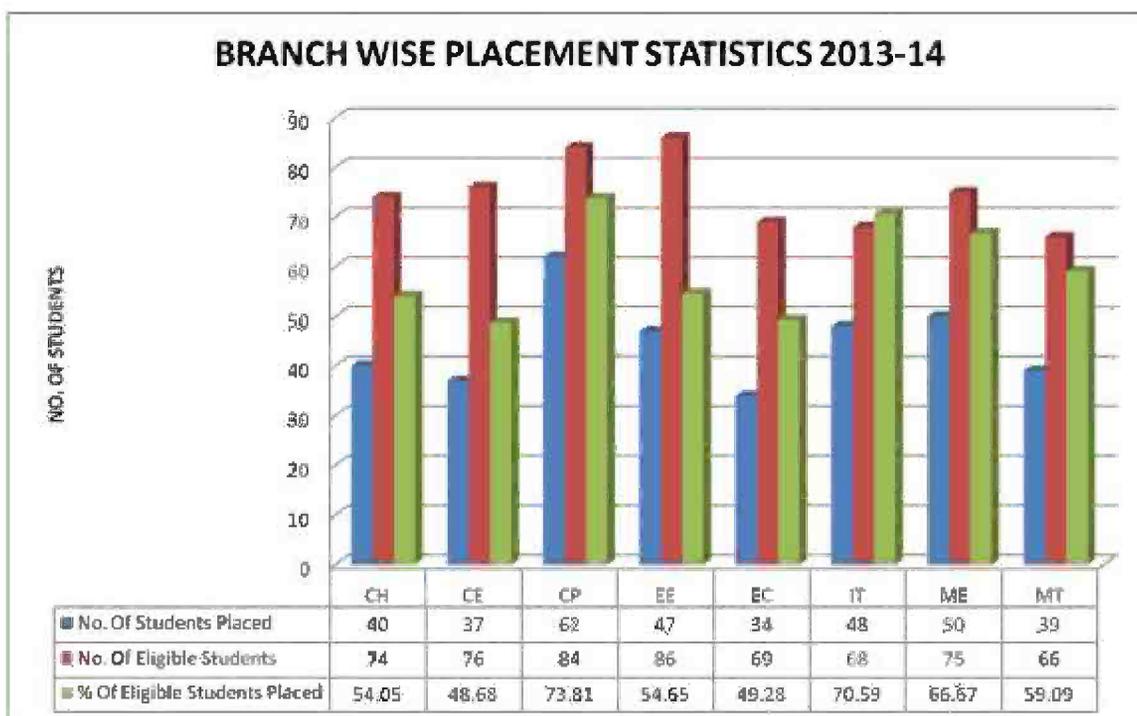
- Highest Pay Package – Rs. 18.00 LPA and Rs. 16.90 LPA by Amazon and D. E. Shaw to 5 students of Computer Engineering
- Numbers of Companies Visited – 110
- Number of Students Placed – 400 ( 357 B.Tech, 6 B.Arch, 37 M.Tech )
- Number of Students who have been placed with package more than 12 LPA – 10
- No. of PSU's Visited – 1
- No. of Students placed in PSUs – 5
- Average Package of Placed Students ( B.Tech ) – 5.41 LPA
- CS students were offered the Highest Average Package – 6.99 LPA (for eligible students)

### Major Companies amongst 110 companies were :

- Amazon, Amdocs, Applied Materials, Avery Dennison, Bajaj Auto, Cairn India Ltd., C-Dot., Cvent, Drishti Software, DE. Shaw India Software Pvt. Ltd., Fiat India Automotive Ltd., , Google Inc., Gravita

India, Hero Moto Corp., Honda Cars., Indian Navy, Infoedge, JCB India, JSW Steels, Kronos, Lafarge India Pvt.Ltd., L&T Construction, Mahendra and Mahendra MAQ Software, Maruti Suzuki India Ltd., Morgan Stanley, Nagarro, Netapp, Nucleus Software, Oracle Finance ,Oracle Systems, Oracle Primavera, Polaris Financial Technology, Parker Hennifin, REIL, Saint Gobin, Aamsung Engineering India, Reliance Industries Limited, Samsung R & D A P Labs, Secure Meters, Shree Cement, Sony India Software Centre Pvt. Ltd., ARF Limited, TATA Powers, TRIDENT Group, Uttam Galkva, Verizon, Voylla, Woofer, Yashi Construction.

- While Future First Info Services, Mu Sigma, Z.S. Associates, were amongst the consultant companies which recruited students irrespective of their branches have selected to the students for placement.
- Universities which recruited students for Teaching Profile includes JECRE University, Sanjay Shiksha Samiti





# **Part - 2**

# **Annual Accounts**





संख्या / No.

भारतीय लेखा तथा लेखा परीक्षा विभाग  
कार्यालय प्रधान निदेशक लेखा परीक्षा (केन्द्रीय)  
शाखा कार्यालय राजस्थान, जनपथ, जयपुर ..302005

**INDIAN AUDIT & ACCOUNTS DEPARTMENT**  
**Office of the Principal Director of Audit (Central)**  
**Branch Office, Rajasthan, Janpath, Jaipur-302005**

Date : 05/01/2015

To,  
The Secretary,  
Government of India,  
Ministry of Human Resources Development,  
Department of Secondary & Higher Education,  
New Delhi-110001

**Sub : Separate Audit Report on the accounts of Malaviya National Institute of Technology, Jaipur for the year 2013-14.**

Sir,

Please find enclosed the Separate Audit Report on the accounts of Malaviya National Institute of Technology, Jaipur for the year 2013-14 along with copy of Annual Accounts.

2. The Audited accounts and Separate Audit Report required to be placed before the AGM of the Apex Governing Body of the Institute for consideration and adoption and resolutions passed thereon before these are sent by the Ministry for being placed before parliament.
3. The dates of presentation of Audited Accounts and Separate Audit Report before the Parliament may please be intimated. Five sets of printed documents (Audit Report, Annual Report & Audited Accounts) may also please be sent to this office.
4. Hindi version of the Separate Audit Report will be issued shortly.
5. Kindly acknowledge receipt of the documents.

Encl. As above

Yours sincerely,

---sd---

**Deputy Director**  
**Central Receipt Audit-II**

No. CRA-II (Exp.)/SAR/MNIT/2013-14/1433

Dated : 26.12.2014

Copy of the Separate Audit Report and Audited Accounts forwarded to **Shri I.K. Bhatt, Director, Malaviya National Institute of Technology, JLN Marg, Jaipur-302017 (Rajasthan)** with the remarks to ensure that Audited Accounts and Separate Audit Report is adopted/considered in the AGM of Institute' Apex Governing Body and resolution adopted/considered on the Audited Accounts and report thereon may be furnished to this office.

Encl : As above

**Deputy Director**  
**Central Receipt Audit-II**



## **Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of Malaviya National Institute of Technology (MNIT), Jaipur for the year ended 31<sup>st</sup> March, 2014.**

We have audited the attached Balance Sheet of the Malaviya National Institute of Technology (MNIT), Jaipur as at 31<sup>st</sup> March, 2014, the Income and Expenditure Account and the Receipts and Payment Accounts for year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act 1971 read with Section 22(2) of the National Institute of Technology Act, 2007. These financial statements are the 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 & Auditor General of India (CAG) 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 & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc, if any, are reported through inspection Reports/ CAG'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:
  - i. 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 & Expenditure Account and Receipts & Payments Account, dealt with by this report have been drawn up in the format approved by Ministry of Finance.
  - 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 Liability ₹ 33551.13 Lakh**

##### **A.1.1 Capital/Corpus Fund (Schedule-1) ₹ 19078.07 Lakh**

It includes ₹ 5.00 Lakh received for conducting the Recruitment examination for Jr. Engineers of Public Works Department as a recovery of Institute Overheads. The recovery of Overheads should be disclosed in Income side of Income & Expenditure Account as extra ordinary Income item of the institute.



This has resulted in overstatement of Corpus fund by ₹ 5.00 Lakh as well as Deficit with the same amount.

#### **A.1.2 Current Liabilities and Provisions (Schedule-7) ₹ 8536.51 Lakh**

The Institute did not account for consultancy charges ₹ 7.69 lakh received from four parties in the year 2012-13. This has resulted in understatement of Current liabilities to the extent of ₹ 7.69 lakh as well as Current Assets.

#### **B. Income and Expenditure Account**

##### **B.1.1 Administrative Expenses (Schedule-21) ₹ 1936.22 Lakh**

(i) This includes expenses incurred on purchase and installation of items of capital nature i.e. LCD, PABX System, CCTV Camera, Air-conditioners etc. amounting to 28.27 lakh for Institute Guest House. Non accounting of this expenditure in Fixed Assets has resulted in overstatement of Deficit by ₹ 26.35 lakh and understatement of Gross Fixed Assets by ₹ 28.27 lakh and Depreciation by 1.92 lakh.

##### **(ii) Maintenance of Furniture & Equipment Expenses ₹ 28.75 Lakh.**

It includes capital nature expenditure on revamping of Sewage Treatment Plant ₹ 10.02 lakh. This error of principle in books of accounts has resulted in overstatement of Deficit by ₹ 10.02 lakh and understatement of Fixed Assets by ₹ 10.02 lakh.

#### **C. General**

(i) The Institute opened Composite Campus Renovation Account, Plant Machinery & Equipment Account and Furniture & Fixtures Account in its ledger. A part of closing balances of these accounts has been transferred to repair and maintenance expenses Account and the remaining part is transferred to Fixed Assets without preparing any voucher and passing any journal entry. It is the non compliance of due process of accounting and needs to be corrected.

(ii) As per Uniform Format of accounts both current year and previous year figures are to be disclosed in Receipts & Payments Account. However, the MNIT has disclosed only current year figures in Receipts & Payments Account. Hence, the Receipts & Payments Account is incomplete to this extent.

##### **(iii) Current Assets, Loans & Advances- (Schedule-11) ₹ 9370.25 Lakh**

This includes ₹ 5802.65 lakh cash in bank in three bank accounts which could not be verified during audit due to non availability of bank reconciliation statements. There was a difference ₹ 828.20 lakh between bank balances as per Bank Statements and balances exhibited in Cash Book on balance sheet date. This was commented in the previous year SAR's also.

##### **(iv) Endowment/Earmarked Funds (Schedule 3)- ₹ 4156.95 Lakh**

CCMT (Centralised Counsling for M.Tech.) is an activity for admission in M.Tech./M.Arch./M.Plan which was assigned to MNIT by the Council of NITs. The MNIT carried out this activity for aforesaid admission during the academic year 2012-13, 2013-14. The monetary transactions pertaining to this activity is to be accounted for in Earmarked Fund for CCMT as the MNIT is accountable for this activity



to the Council of NITs. However, a separate set of accounts books is prepared for this activity and get audited by a chartered accountant but the same has not been incorporated into the main accounts of MNIT for the financial year 2013-14. This fact is also not disclosed in the Notes on Accounts.

**D. Grant-in-aid**

During the year 2013-14 the MNIT received grant-in-aid of ₹ 101.18 crore (plan ₹ 67.68 crore and Non-Plan ₹ 33.50 crore (₹ 5.00 crore received in March) from Government of India. Balance of unspent grant of ₹ 38.96 crore (plan ₹ 32.40 crore and Non-plan ₹ 6.56 crore) was available in the beginning of the year. It earned income ₹ 23.38 crore (Plan ₹ 1.08 crore and Non-Plan ₹ 22.30 crore) during the year. The institute could utilize a sum of ₹ 141.14 crore (Plan ₹ 82.74 crore and Non-plan ₹ 58.40 crore) and ₹ 4.03 crore was transferred to various projects, leaving a balance of ₹ 18.36 crore (plan ₹ 14.40 crore and Non-Plan ₹ 3.96 crore) as on 31<sup>st</sup> March, 2013.

**E. Effect of Audit comments on Accounts.**

The net impact of comments given in preceding paras is that as on 31<sup>st</sup> March, 2014 the Assets were understated by ₹ 45.98 Lakh, Liabilities understated by ₹ 2.69 lakh and Deficit overstated by ₹ 43.29 lakh.

**F. Management letter**

Deficiency, which has not been included in the Separate Audit Report, has 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 & Expenditure Account and Receipts & 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 Separate Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
  - a. In so far as it relates to the Balance Sheet, of the state of affairs of the Malaviya National Institute of Technology, Jaipur as at 31<sup>st</sup> March, 2014 and
  - b. In so far as it relates to Income & Expenditure Account of the deficit for the year ended on that date.

For and on behalf of the C & AG of India

Place : Jaipur

Date : 26.12.2014

Principal Director of Audit (Central)  
Ahmedabad



### **Annexure to Separate Audit Report (2013-14)**

#### **1. Adequacy of Internal Audit System**

Except internal audit of library no internal audit has been conducted upto 2013-14.

#### **2. Adequacy of Internal Control System**

Internal control system in MNIT revealed following deficiencies-

- (i) Institute is not maintaining stock of Journal Properly. Subsidiary records of library books were also not reconciled.
- (ii) No accounting manual has been prepared and accounts heads were not coded.
- (iii) Fixed Assets Register was not furnished to Audit.
- (iv) Physical/Financial progress report regarding construction works is not being maintained.

#### **3. Physical verification of Fixed Assets**

Physical verification of assets was not conducted from 2007-08.

#### **4. Physical verification of Stores**

Physical verification of stores was not conducted from 2007-08.

#### **5. Regularity in payment of statutory due**

No statutory dues were pending, except 17.15 lakh constituting PF deposits, Income Tax, Rajasthan Sales Tax, Professional Tax, labour cess and Royalty.

Sr. Audit Officer/CRA-II (Exp.)



## Statement of Net Effect of Audit

Comments	Liabilities		Assets		Deficits	
	Overstated	Understated	Overstated	Understated	Overstated	Understated
A-1.1	5.00	-	-	-	5.00	-
A-1.2	-	7.69	-	7.69	-	-
B.1.1 (i)	-	-	-	28.27	28.27	-
B.1.1.1(ii)	-	-	-	10.02	10.02	-
<b>Total</b>	<b>5.00</b>	<b>7.69</b>	<b>-</b>	<b>45.98</b>	<b>43.29</b>	<b>-</b>

U/S 2.69

U/S 45.98

O/S 43.29

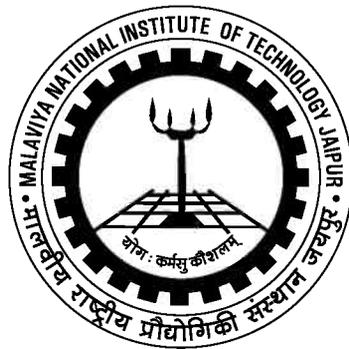
Liabilities understated : ₹ 2.69 lakh  
Assets understated : ₹ 45.98 lakh  
Deficit overstated ₹ 43.29 lakh

**Sr. Audit Officer/CRA II/(Exp.)**



# **Balance Sheet**

## **Receipt & Payment Account & Income & Expenditure Account for the year ended 31st March, 2014**



**MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY  
JAIPUR - 302017**





## MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

### Balance Sheet 2013-14

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## Balance Sheet 2013-14

### BALANCE SHEET AS ON 31ST MARCH 2014

Particulars	Schedule	Amount in (Rs.)	
		Figures as on 31.03.2014	Figures as on 31.03.2013
<b><u>Corpus/ Capital Fund and Liability</u></b>			
Capital Fund	1	2085553348.00	1416733552.00
Reserve and Surplus	2	214124.00	214124.00
Provident/ Endowment/ Earmarked Funds	3	415695838.00	296259347.00
Secured Loans & Borrowings	4	0.00	0.00
Unsecured Loans & borrowings	5	0.00	7530392.00
Deferred Credit Liabilities	6	0.00	0.00
Current Liabilities & Provisions	7	853650533.00	1023203946.00
<b>TOTAL</b>		<b>3355113843.00</b>	<b>2743941361.00</b>
<b><u>Assets</u></b>			
Fixed Assets	8	1855437854.00	1265991261.00
Investments – Provident/ Endowment Funds	9	203355860.00	196728533.00
Investments – Others	10	359294933.00	897066155.00
Current Assets, Loans & Advances, Misc. Expenditure	11	937025196.00	384155412.00
<b>TOTAL</b>		<b>3355113843.00</b>	<b>2743941361.00</b>

Dy. Registrar (A/c)

Registrar

Director



# Balance Sheet 2013-14

## INCOME & EXPENDITURE A/C FOR THE YEAR ENDING ON 31.03.2014

Particulars	Schedule	Amount in (Rs.)	
		Figures as on 31.03.2014	Figures as on 31.03.2013
<b>Income</b>			
Income from Sales and Services	12	0.00	43925389.00
Grant- in- Aid (Government of India)	13	426619894.00	394629958.00
Students Fees	14	227138619.00	201046414.00
Income from Investments	15	0.00	0.00
Income from Royalty, Publication etc.	16	0.00	0.00
Interest	17	54632708.00	57221868.00
Other Income	18	33767020.00	22047793.00
Increase/Decrease in Stock of Fixed Goods and Working Progress	19	0.00	0.00
<b>TOTAL</b>		<b>742158241.00</b>	<b>718871422.00</b>
<b>Expenditure</b>			
Establishment Expenses	20	517608504.00	486021954.00
Other Administrative Expenses	21	193621828.00	190494472.00
Expenses Grants/Subsidies	22	0.00	0.00
Interest	23	0.00	0.00
Depreciation	-	115256848.00	132211287.00
<b>TOTAL</b>		<b>826487180.00</b>	<b>808727713.00</b>
<b>Surplus/Deficit during the year</b>		<b>-84328939.00</b>	<b>-89856291.00</b>
Significant Accounting Policies Contingent Liabilities	24		
Notes on Accounts	25		

Dy. Registrar (A/c)

Registrar

Director



## Balance Sheet 2013-14

### Schedule 1 - Corpus Fund/Capital Fund

#### A Capital Fund

Particulars	As on 31.03.2014	As on 31.03.2013
Balance as at the Beginning of the Year	1287432814.05	1070155779.05
<b>Add: Contributions Towards Capital Fund</b>		
Capital Grant	693621261.48	295991563.00
<b>Add/(Deduct): Balance of Net Income/(Expenditure) Transferred from the Income and Expenditure Account</b>		
Capitalized out of Recurring Grant/Expenses	11082179.55	12997165.00
Deduction	0.00	-1855402.00
Deficit During the Year	-84328939.00	-89856291.00
<b>Balance at the Year End</b>	<b>1907807316.08</b>	<b>1287432814.05</b>

#### B Corpus Fund

Particulars	As on 31.03.2014	As on 31.03.2013
Balance as at the Beginning of the Year	129300738.26	121115140.00
Add : Addition During the Year	48445293.52	11587015.26
Less: Capital Expenditure During the Year	0.00	3401417.00
<b>Balance at the Year End</b>	<b>177746031.78</b>	<b>129300738.26</b>
<b>Total (A+B)</b>	<b>2085553347.86</b>	<b>1416733552.31</b>

Dy. Registrar (A/c)

Registrar



## Balance Sheet 2013-14

### Schedule – 2 Reserve & Surplus

Particulars	As on 31.03.2014	As on 31.03.2013
<b>Capital Reserve</b>		
As per last Account	0.00	0.00
Addition During the year	0.00	0.00
Less : Deduction during the year	0.00	0.00
<b>Revaluation Reserve</b>		
As per last Account	0.00	0.00
Addition during the year	0.00	0.00
Less : Deduction during the year	0.00	0.00
<b>Special Reserves</b>		
As per last Account	0.00	0.00
Addition During the year	0.00	0.00
Less : Deduction during the year	0.00	0.00
<b>General Reserve</b>		
<b>(A) Institute Infrastructure Fund</b>		
As per last Account	119048.89	119048.89
Addition During the year	0.00	0.00
Less : Deduction during the year	0.00	0.00
<b>Total (A)</b>	<b>119048.89</b>	<b>119048.89</b>
<b>(B) ME Part Time</b>		
As per last Account	95075.00	95075.00
Addition During the year	0.00	0.00
Less : Deduction during the year	0.00	0.00
<b>Total (B)</b>	<b>95075.00</b>	<b>95075.00</b>
<b>Total General Reserve (A + B)</b>	<b>214123.89</b>	<b>214123.89</b>
<b>Total Reserve and Surplus</b>	<b>214123.89</b>	<b>214123.89</b>

Dy. Registrar (A/c)

Registrar



**SCHEDULE- 3 PROVIDENT/ENDOWMENT/EARMARKED FUNDS**

**A. Provident Fund ( PF Trust )**

Particulars	Balance as on 01-04-2013	Contribution Received	Interest	Payable to Institute	Final Payment	Balance as on 31-03-2014
P.F. Deposit	195256641.96	17030818.00	15051874.65	2010000.00	26002854.00	203346480.61
<b>TOTAL</b>	<b>195256641.96</b>	<b>17030818.00</b>	<b>15051874.65</b>	<b>2010000.00</b>	<b>26002854.00</b>	<b>203346480.61</b>

**B. Pension Deposit**

Particulars	Balance as on 01-04-2013	Contribution Received	Interest	Loan Refunded	Transfer to Institute	Balance as on 31-03-2014
Pension Deposit	8628.00	0.00	751.00	0.00	0.00	9379.00
<b>TOTAL</b>	<b>8628.00</b>	<b>0.00</b>	<b>751.00</b>	<b>0.00</b>	<b>0.00</b>	<b>9379.00</b>

**C. MNIT Endowment Fund**

Particulars	Balance as on 01-04-2013	Contribution Received	Interest	Loan Refunded	Transfer to Corpus Fund	Balance as on 31-03-2014
MNIT Endowment Fund	6092920.06	0.00	109936.00	0.00	6202856.06	0.00
<b>TOTAL</b>	<b>6092920.06</b>	<b>0.00</b>	<b>109936.00</b>	<b>0.00</b>	<b>6202856.06</b>	<b>0.00</b>



# Balance Sheet 2013-14

## D Earmarked Funds :-

### 1 Research Development Fund

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Chemical Engg. Department	2500.00	0.00	0.00	0.00	0.00	2500.00
Civil Engg. Department	2619403.20	0.00	0.00	0.00	0.00	2619403.20
Computer Engg. Department	293741.00	0.00	0.00	0.00	0.00	293741.00
ECE Engg. Department	195959.00	0.00	0.00	0.00	0.00	195959.00
Electrical Engg. Department	38583.75	0.00	0.00	0.00	0.00	38583.75
Mechanical Engg. Department	54822.00	0.00	0.00	0.00	0.00	54822.00
Met. Engg. Department	232710.41	0.00	0.00	0.00	0.00	232710.41
General	1168775.08	0.00	1335931.02	0.00	0.00	2504706.10
Structural Engg. Department	6135954.29	0.00	0.00	0.00	0.00	6135954.29
<b>TOTAL</b>	<b>10742448.73</b>	<b>0.00</b>	<b>1335931.02</b>	<b>0.00</b>	<b>0.00</b>	<b>12078379.75</b>

### 2 Emeritus Fellowship ( Government of India )

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Dr. S.K. Bhatnagar	25812.00	0.00	0.00	0.00	0.00	25812.00
<b>TOTAL</b>	<b>25812.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>25812.00</b>

### 3 Career Awards Scheme to Young Teachers

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Dr Rohit Goyal	224065.50	0.00	0.00	0.00	0.00	224065.50
Dr Vijay Janyani	284266.00	0.00	0.00	0.00	0.00	284266.00
Shri Manoj Fozdar	-36384.00	0.00	0.00	0.00	0.00	-36384.00
Shri Rajesh Kumar	-18932.00	0.00	0.00	0.00	0.00	-18932.00
<b>TOTAL</b>	<b>453015.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>453015.50</b>



### 4 New PG Course Fringed Balance

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Balance B/F	205297.25	0.00	0.00	0.00	0.00	205297.25
<b>TOTAL</b>	<b>205297.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>205297.25</b>

### 5 Bikaner Engineering College

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
As Per Last B/S	100000.00	0.00	0.00	0.00	0.00	100000.00
<b>TOTAL</b>	<b>100000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>100000.00</b>

### 6 Special Training Programme for SC/ST Students

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Balance B/F	3593319.00	0.00	0.00	600000.00	0.00	2993319.00
<b>TOTAL</b>	<b>3593319.00</b>	<b>0.00</b>	<b>0.00</b>	<b>600000.00</b>	<b>0.00</b>	<b>2993319.00</b>
<b>TOTAL (1+2+3+4+5+6)</b>	<b>15119892.48</b>	<b>0.00</b>	<b>1335931.02</b>	<b>600000.00</b>	<b>0.00</b>	<b>15855823.50</b>



# Balance Sheet 2013-14

## E Student Fund Endowment/Earmarked Fund

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Transfer to Corpus Fund	Balance as on 31-03-2014
				Others	Capital		
BKS Mathur Gold Medal	13008.38	0.00	0.00	0.00	0.00	13008.38	0.00
Book Bank SC/ST	13166.00	0.00	0.00	9316.00	0.00	0.00	3850.00
Gold Medal ( Civil )	5000.00	0.00	0.00	0.00	0.00	5000.00	0.00
Proctor Account	287555.00	0.00	0.00	0.00	0.00	287555.00	0.00
Staff Welfare Fund	4500069.67	0.00	941322.00	112894.23	0.00	0.00	5328497.44
<b>TOTAL</b>	<b>4818799.05</b>	<b>0.00</b>	<b>941322.00</b>	<b>122210.23</b>	<b>0.00</b>	<b>305563.38</b>	<b>5332347.44</b>

## F Staff Development Fund

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Staff Development Fund	45756318.00	0.00	6977590.47	0.00	0.00	52733908.47
<b>TOTAL</b>	<b>45756318.00</b>	<b>0.00</b>	<b>6977590.47</b>	<b>0.00</b>	<b>0.00</b>	<b>52733908.47</b>

## G Maintenance Fund

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Maintenance Fund	3174369.00	0.00	6819261.47	0.00	0.00	9993630.47
<b>TOTAL</b>	<b>3174369.00</b>	<b>0.00</b>	<b>6819261.47</b>	<b>0.00</b>	<b>0.00</b>	<b>9993630.47</b>

## H Depreciation Fund

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Depreciation Fund	3174369.00	0.00	6819261.47	0.00	0.00	9993630.47
<b>TOTAL</b>	<b>3174369.00</b>	<b>0.00</b>	<b>6819261.47</b>	<b>0.00</b>	<b>0.00</b>	<b>9993630.47</b>

## I TEQIP IRG Fund

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Transfer to Corpus Fund	Balance as on 31-03-2014
				Others	Capital		
TEQIP IRG Fund	22857409.00	0.00	0.00	0.00	0.00	22857409.00	0.00
<b>TOTAL</b>	<b>22857409.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>22857409.00</b>	<b>0.00</b>



## Balance Sheet 2013-14

J Projects Grant ( Institute Fund )	Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Transfer to R&C/CBERD Fund	Balance as on 31-03-2014
		Others	Capital	Income	Others	Capital	Balance as on 31-03-2014	
	MNRE Chair Grant	15000000.00						15000000.00
	CBERD Projects	2776000.00					2776000.00	0.00
	DST Projects	759840.00					759840.00	0.00
	DST Project Studies of Thumba (Citrullus Colocynthis) Seed Oil on Engine Performance, Combustion and Exhaust Emission Characteristic (Non Recurring)	2600000.00					2600000.00	0.00
	DST Project Studies of Thumba (Citrullus Colocynthis) Seed Oil on Engine Performance, Combustion and Exhaust Emission Characteristic (Recurring )	500000.00					500000.00	0.00
	Durability of Concrete Containing Zinc Slag as Partial Replacement of Sand	-100000.00		100000.00				0.00
	Economically and Socially Effect Network Prizing for Sanitary	600000.00			600000.00			0.00
	Experimental and Analytical Studies for the Short and Long Term Behaviour of Epoxy Bonded Steel- Composite Bridges	-44460.00						-44460.00
	IAMR	352284.00					720000.00	352284.00
	Inspired Faculty Awards-2012 (Dr. Kamindra Awasthi)	720000.00					720000.00	0.00
	Investigation of Heat Transfer Boiling Water	-15000.00						-15000.00
	Steel Development Fund	227173.00			1941030.00			-1713857.00
	Synthesis of Heterobioconjugates as Possible Drug Candidates Using Click Chemistry Approach	436400.00					436400.00	0.00
	Synthesis & Reduced Order Modelling of Interconnects for Deep Submicrons Custom Integrated Circuits and FPGA's	1.00			1.00			0.00
	UKIERI MSG	393600.00					393600.00	0.00
	IPR		40000.00					40000.00
	Project Grant		467000.00					467000.00
	MNRE		337000.00					337000.00
	Virtual Class Room	579890.00					579890.00	0.00
	Design & Dev of Low Cost Solar Refrigeration	0.00	0.00	0.00	0.00	0.00	10886.00	-10886.00
	Lab Enhancement Under Npccc	0.00	0.00	0.00	0.00	0.00	91200.00	-91200.00
	Project ISEA	0.00	0.00	0.00	0.00	0.00	15200.00	-15200.00
	Taptec Project Flexible	0.00	0.00	0.00	0.00	0.00	21458.50	-21458.50
	<b>TOTAL</b>	<b>9785728.00</b>	<b>15844000.00</b>	<b>100000.00</b>	<b>2541031.00</b>	<b>0.00</b>	<b>8904474.50</b>	<b>14284222.50</b>



## Balance Sheet 2013-14

### L. Travel, Seminar and Other Grants

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Transfer to Funding Agency	Balance as on 31-03-2014
				Others	Capital		
Development of Aluminium Silicon Alloys	31.40	0.00	0.00	0.00	0.00	0.00	31.40
Identical Problem on Machine and Mechanism	472.00	0.00	0.00	0.00	0.00	0.00	472.00
ION Beams Material Research ( IBMR )	168000.00		74000.00	69002.00		0.00	172998.00
NDSU- MNIT Teaching Collaboration	329510.00	0.00	0.00	0.00	0.00	0.00	329510.00
NPCBAERM	42275.00	0.00	0.00	0.00	0.00	42275.00	0.00
NPCBERM	11918.00	0.00	0.00	0.00	0.00	11918.00	0.00
Rajasthan Renewable Energy Corporation	292708.00			44108.00		0.00	248600.00
React Advance in Signal Precast Community	92000.00	0.00	0.00	0.00	0.00	0.00	92000.00
RUIDP	1268098.00	0.00	0.00	803014.00	0.00	0.00	465084.00
Short Term Course on Power System	87000.00	0.00	0.00	0.00	0.00	0.00	87000.00
Staff Development Programme (Dr K C Jain)	3922.00	0.00	0.00	0.00	0.00	0.00	3922.00
Staff Development Programme (Dr Rohit Goyal)	20589.00	0.00	0.00	0.00	0.00	0.00	20589.00
Staff Development Programme (Dr R.P.Yadav)	101887.00	0.00	0.00	0.00	0.00	0.00	101887.00
Travel Grant - Dr Manish Vasistha	0.00	96305.00	0.00	96305.00	0.00	0.00	0.00
Travel Grant - Dr. Sandeep Choudhary	0.00	35113.00	0.00	35113.00	0.00	0.00	0.00
Travel Grant - Dr. Sandeep Sancheti	50000.00	0.00	0.00	0.00	0.00	0.00	50000.00
Water Desalination Treatment & Management	-9149.00	0.00	218000.00	384739.00	0.00	0.00	-175888.00
Water Quality Management	154567.00	0.00	0.00	0.00	0.00	0.00	154567.00
<b>TOTAL</b>	<b>2613828.40</b>	<b>131418.00</b>	<b>292000.00</b>	<b>1432281.00</b>	<b>0.00</b>	<b>54193.00</b>	<b>1550772.40</b>

### M. TEQIP

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Transfer	Balance as on 31-03-2014
				Others	Capital		
TEQIP Project	40026372.50	30000000.00	4405012.41	40073572.00	5278985.00	0.00	29078827.91
<b>TOTAL</b>	<b>40026372.50</b>	<b>30000000.00</b>	<b>4405012.41</b>	<b>40073572.00</b>	<b>5278985.00</b>	<b>0.00</b>	<b>29078827.91</b>

### N. Project CBERD - MNIT, Jaipur

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Transfer	Balance as on 31-03-2014
				Others	Capital		
CBERD-MNIT, Jaipur	11362488.00	19408000.00	486665.00	4345846.00	8018043.00	0.00	18893264.00
<b>TOTAL</b>	<b>11362488.00</b>	<b>19408000.00</b>	<b>486665.00</b>	<b>4345846.00</b>	<b>8018043.00</b>	<b>0.00</b>	<b>18893264.00</b>



## Balance Sheet 2013-14

### O. Student Fund

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
CSIR Fellowship Dr. Arti Kashyap	3523.90	0.00	0.00	0.00	0.00	3523.90
CSIR Fellowship Kirti Bhandari	69038.00	0.00	0.00	0.00	0.00	69038.00
DRDO Student Robot Competitions	204.00	0.00	0.00	0.00	0.00	204.00
DST Student Project Pawan Kalla	7000.00	0.00	0.00	0.00	0.00	7000.00
HYDRO-2008	73214.00	0.00	0.00	0.00	0.00	73214.00
Inspired Fellowship Assured Opportunity	96008.00	0.00	0.00	0.00	0.00	96008.00
ISRO Map Project	62842.00	0.00	0.00	0.00	0.00	62842.00
JRF Ruchi Maheshwari	212000.00	0.00	0.00	0.00	0.00	212000.00
MNES Fellowship A/c If Vikas Sadan	17343.00	0.00	0.00	0.00	0.00	17343.00
UGC-JRF Ms. Neha Agarwal	27484.00	0.00	0.00	0.00	0.00	27484.00
UGC Scholarship ( Ritu Sarahan )	53400.00	0.00	0.00	38400.00	0.00	15000.00
<b>TOTAL</b>	<b>622056.90</b>	<b>0.00</b>	<b>0.00</b>	<b>38400.00</b>	<b>0.00</b>	<b>583656.90</b>

### P. Other Earmarked Fund

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Transfer to Separate Fund	Balance as on 31-03-2014
				Others	Capital		
Center Sector Scholarship for SC Student IIIT Kota	3403229.00	2589161.00	0.00	3984985.00	0.00	0.00	2007405.00
Non Recurring Grant for Development of Site Government of Rajasthan Plan	37500000.00	0.00	1536200.00	110785.00		37500000.00	1425415.00
Non Recurring Grant Vehicle GOI	688026.61	0.00	0.00	0.00	0.00	0.00	688026.61
Non Recurring Grant Vehicle GOR	132506.00	0.00	0.00	0.00	0.00	0.00	132506.00
Unspent Balance for PG Course and Research Work	45507.00	0.00	0.00	0.00	0.00	0.00	45507.00
	560000.00	0.00	0.00	0.00	0.00	0.00	560000.00
<b>TOTAL</b>	<b>42329268.61</b>	<b>2589161.00</b>	<b>1536200.00</b>	<b>4095770.00</b>	<b>0.00</b>	<b>37500000.00</b>	<b>4858859.61</b>



## Balance Sheet 2013-14

### Q. Earmarked Fund (R&C)

Name of the project	BAL. AS ON 01.04.2013	Grant Received	Income	Transfer to Funding Agency	Transfer from Institute	Utilisation		Balance as on 31.03.2014
						Others	Capital	
1006-Utilisation of Marble Stone Slurry in Self-Compacting Concrete	181778.00	0.00	0.00	0.00	0.00	82444.00	99334.00	0.00
1007-Development of Novel Environment-Friendly, Reusable and Air Stable Pd(0)- and Cu(I)-Catalytic Systems for the C-C, C-N, and C-O Ullmann-type Cross-Coupling reactions	50472.00	700000.00	3465.00	0.00	0.00	704491.00	0.00	49446.00
1008-Development of a National Transmission Network Tariff Framework	127579.00	0.00	0.00	0.00	0.00	211249.00	0.00	-83670.00
1009-SnO2 Based Microwave Sintered Combustible Gas Sensors: Study of Grain Size Effects in Enhancing the Gas Sensing Behaviour	381857.00	211721.00	30969.00	0.00	0.00	182609.00	0.00	441938.00
1010-Assessment of Climate Change & Its Impact on Urban Hydrology: Indian Perspective	88084.00	0.00	5394.00	0.00	0.00	16522.00	0.00	76956.00
1011-Synthesis of Heterobioconjugates as Possible Drug Candidates Using Click Chemistry Approach	0.00	0.00	0.00	49004.00	436400.00	387396.00	0.00	0.00
1012-Review and Supervision of Installation of Cool Roof Experiment at Pantnagar and Namital	23765.00	0.00	32.00	0.00	0.00	0.00	23350.00	447.00
1013-Study of Urban Heat Island of Indian Cities and Development of ANN Model for Scientific Planning to Control Urban Heat Island Effect	1155010.00	0.00	37266.00	0.00	0.00	15000.00	645480.00	531796.00
1014-Development of SVO Operated Micro-Trigeneration System for Rural Applications	0.00	50000.00	462.00	0.00	0.00	43874.00	0.00	6588.00
1015-Development of Solar Energy based Membrane Distillation System for Rural Drinking Water Applications in Rajasthan	754547.00	0.00	48144.00	0.00	0.00	74291.00	41401.00	686999.00
1016-Study of Metallurgical Aspects of Nitronic Steel for Under Water Part Applications	2295379.00	540000.00	151822.00	0.00	0.00	391925.00	449033.00	2146243.00
1017-Block Copolymer Based Nanoporous Polymer Membranes: Engineering and Applications	164090.00	1691680.00	76192.00	0.00	720000.00	1181813.00	417704.00	1052445.00
1018-Capacity building in Renewable Energy	1428424.00	0.00	48319.00	0.00	0.00	14147.00	1208291.00	254305.00
1019-Experimental and Analytical Studies for the Short Term and Long Term Behavior of Epoxy Bonded Steel-Concrete Composite Bridges Budget Distribution	0.00	1071500.00	80746.00	0.00	0.00	0.00	0.00	1152246.00





## Balance Sheet 2013-14

1039-Development of Novel Artificial Naked Eye Fluoride Ion Receptors	0.00	2182800.00	161487.00	0.00	0.00	39865.00	0.00	2304422.00
1040-Synthesis and Characterization of High Entropy Mg <sub>x</sub> -Al-Fe-Cu-Cr Alloys	0.00	1250000.00	94198.00	0.00	0.00	0.00	0.00	1344198.00
1041-On-Chip Network Simulation Platform for Reliable, Accurate, and Fast System Co-Design of Embedded and Multicore Systems	956632.00	0.00	17902.00	0.00	0.00	719076.00	0.00	255458.00
1042-HIPER NIGAM (UKIER - II)	1216354.00	124230.00	58016.00	0.00	393600.00	757611.00	206700.00	827889.00
1043-Experimental Study of Flat Plate Solar Collector (Direct Absorption Type) Using Nan-Fluids	837043.00	0.00	29294.00	0.00	0.00	199656.00	329204.00	337477.00
1044-Countermeasures for Protocol Compliant Attacks in Mobile Adhoc Networks	0.00	0.00	13090.00	0.00	759840.00	586138.00	0.00	186792.00
1045-Synthesis of Metal Carbonyl Based Organometallic Clusters (Especially Fe Containing) and Their Catalytic Applications in Organic Transformations	340315.00	0.00	20028.00	0.00	0.00	74552.00	0.00	285791.00
1046-Development of Field Test Kit for Detection of Total Coliform and E-Coli in Drinking Water	0.00	356000.00	6556.00	0.00	0.00	241971.00	27029.00	93556.00
1047-Enhancement in Efficiency of Organic Solar Cell Using Plasmonics	0.00	665000.00	24554.00	0.00	0.00	300154.00	44100.00	345300.00
1049-6th PAC Meeting WTI	0.00	700000.00	0.00	50930.00	0.00	649070.00	0.00	0.00
1050-ECBC Master Training Programme	0.00	910000.00	0.00	677681.00	0.00	232319.00	0.00	0.00
1051-Tailoring the Structural, Electrical and Mechanical Properties of NiTi Shape Memory Alloy Thin Films by Energetic Ion Irradiation for Applications in MEMS	0.00	460000.00	30072.00	0.00	0.00	60940.00	0.00	429132.00
1052-CDOS Stone Research Chair	0.00	1500000.00	31906.00	0.00	0.00	1037000.00	182840.00	312066.00
1053-Modeling the Dynamics of Low Reynolds Number Swimmers in a Newtonian Fluid	0.00	310000.00	23362.00	0.00	0.00	0.00	0.00	333362.00
1054-Strategically Development of Metallsilylene Complexes: Potential Catalyst for Unique Organic Transformation and Silylene Transfer Reactions	0.00	0.00	0.00	0.00	0.00	14400.00	0.00	-14400.00



## Balance Sheet 2013-14

1055-Determinants of Working Capital Management Practices After Global Financial Crisis In Indian Companies: Behavioral Finance Approach	0.00	280000.00	21100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	301100.00
1056-Experimental and Modelling Studies for Process Parameters Optimization of Nutrient Mist Reactor for Sustained Production of Hairy Roots	0.00	426200.00	32117.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	458317.00
1060-Information Security Education & Awareness	80133.00	1431552.00	57747.00	0.00	0.00	595226.00	150165.00	0.00	0.00	0.00	824041.00
1061-Development of Techniques for Metamorphic Malware Detection and Analysis	106830.00	0.00	6535.00	0.00	0.00	15000.00	0.00	0.00	0.00	0.00	98365.00
1063A-UGC JRF Fellowship (Purnima Rao)	0.00	205000.00	980.00	0.00	0.00	192000.00	0.00	0.00	0.00	0.00	13980.00
1063B-UGC JRF Fellowship (Nisha Goyal)	0.00	205000.00	7708.00	0.00	0.00	102710.00	0.00	0.00	0.00	0.00	109998.00
1063C-UGC JRF Fellowship (Harsh Pratap Singh)	0.00	205000.00	980.00	0.00	0.00	192000.00	0.00	0.00	0.00	0.00	13980.00
1059-Community Management of Rural Water Supply Systems: Community Plus	0.00	327279.80	22440.00	0.00	0.00	29495.00	0.00	0.00	0.00	0.00	320224.80
Computer Controlled Cycloconverter (Half & Full Wave) Fed Cage Induction Motor Drive	1226672.30	0.00	92439.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1319111.30
Cross-Platform Gamma and Color Correction Without-Less Image Transmission Over a Network	41759.00	0.00	3147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44906.00
CSIR Fellowship (Scholarship)	25814.00	0.00	42.00	0.00	0.00	25254.00	0.00	0.00	0.00	0.00	602.00
CSIR Scholarship (Yogita Madan)	0.00	279200.00	0.00	0.00	0.00	279200.00	0.00	0.00	0.00	0.00	0.00
CSIR Scholarship (Anshu Jain)	0.00	250400.00	0.00	0.00	0.00	250400.00	0.00	0.00	0.00	0.00	0.00
Design and Development of Low Cost Solar Refrigeration System for Rural Area	10886.00	0.00	819.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11705.00
Design Development and Ergonomic Analysis of Blue Pottery Manufacturing System	69450.00	0.00	0.00	0.00	0.00	69450.00	0.00	0.00	0.00	0.00	0.00
Design and Development of W-CDMA for 3G Mobile Network	247055.30	0.00	18618.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	265673.30
Development of Chemical Reaction Lab	95058.00	0.00	7164.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102222.00
Development of Efficient Turbo Cobses for 3G/4G Mobile	1063377.00	0.00	80135.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1143512.00





## Balance Sheet 2013-14

Instrumentation	3913.60	0.00	295.00	0.00	0.00	0.00	0.00	0.00	0.00	4208.60
Investigation and Combustion, and Performance, Optimization of Dual Fuel Engine Bio-Gas and Diesel	737.31	0.00	55.00	0.00	0.00	0.00	0.00	0.00	0.00	792.31
Lab Enhancement Under NPEEE	-91200.00	0.00	0.00	0.00	91200.00	0.00	0.00	0.00	0.00	0.00
UKIERI Project MBA Technology Management	967531.00	0.00	3132.00	0.00	0.00	694927.00	0.00	231042.00	0.00	44694.00
Modernization of Electro-Matallurgy & Corrosion Lab	173031.30	0.00	13040.00	0.00	0.00	0.00	0.00	0.00	0.00	186071.30
Modernization of Electronic Workshop	132791.00	0.00	10008.00	0.00	0.00	0.00	0.00	0.00	0.00	142799.00
Modernization of Chemical Reaction Lab	50474.72	0.00	3803.00	0.00	0.00	0.00	0.00	0.00	0.00	54277.72
Modernization of Digital Electronics & Microprocessor Lab	1021807.00	0.00	77001.00	0.00	0.00	0.00	0.00	0.00	0.00	1098808.00
Modernization of Lab & Removal of Obsolescence (Structural)	84738.60	0.00	6386.00	0.00	0.00	0.00	0.00	0.00	0.00	91124.60
Monitoring of Groundwater Contamination in Industrial Area of Sanganer Town by Using Animar models (Fish & Swiss Albino Mice)	48089.00	0.00	53.00	32605.00	0.00	14767.00	0.00	0.00	0.00	770.00
NCP (Modernization & Characterazation of Reg. Purable Human Health)	314431.00	0.00	19806.00	0.00	0.00	51620.00	0.00	0.00	0.00	282617.00
NCP (Synthesis, and Characterazation of Plasma Sprayed Ceramic Coating)	2101817.00	0.00	158389.00	0.00	0.00	0.00	0.00	0.00	0.00	2260206.00
Perf. Evaluation in Inter Brick/Block Masonry	30491.00	0.00	2298.00	0.00	0.00	0.00	0.00	0.00	0.00	32789.00
Rehabilitation Concept for Substanable Development of Urban Poor	607993.00	0.00	45816.00	0.00	0.00	0.00	0.00	0.00	0.00	653809.00
Security Evaluation of Prevention Control of Modern Power System	152607.00	0.00	11500.00	0.00	0.00	0.00	0.00	0.00	0.00	164107.00
Setting Up of Digital Photo Typing Center for Product Typing	716866.00	0.00	54022.00	0.00	0.00	0.00	0.00	0.00	0.00	770888.00
Synthesis & Characterization of Nano Crystalline Ni-P Coating in Aluminium	19239.00	0.00	862.00	11000.00	0.00	7823.00	0.00	0.00	0.00	1278.00
Synthesis of PMMA	711495.80	0.00	53616.00	0.00	0.00	0.00	0.00	0.00	0.00	765111.80
Synthesis and Reduced Order Modeling of Inter Connect for Deep Submicron Custom Intigrated Circuit and EPGAS	363096.70	0.00	27362.00	0.00	0.00	0.00	0.00	0.00	0.00	390458.70





## Balance Sheet 2013-14

### SCHEDULE – 4 SECURED LOANS & BORROWINGS

Particulars	As on 31.03.2014	As on 31.03.2013
Secured Loans & Borrowings	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>

### SCHEDULE – 5 UNSECURED LOANS & BORROWINGS

Particulars	As on 31.03.2014	As on 31.03.2013
Interest Free Loan for Construction of Hostel Building (From GOI)	0.00	6050085.00
Loan for Construction of Staff Quarters (from GOI)	0.00	1480307.00
<b>Total</b>	<b>0.00</b>	<b>7530392.00</b>

### SCHEDULE – 6 DEFERRED CREDIT LIABILITIES

Particulars	As on 31.03.2014	As on 31.03.2013
Deferred Credit Liabilities	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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# Balance Sheet 2013-14

## SCHEDULE 7 - CURRENT LIABILITIES & PROVISIONS

### I (A) Plan Grant Govt. of India ( Unspent Balance )

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Composite Campus Renovation				24350774.00	3077132.00	
Computer and Peripherals			396900.00			
Const. of First Floor in Design Center					112437015.00	
Const of First Floor of Vip Guest House					13117189.00	
Const. of II Floor on Electronics & Comm.					143950.00	
Const. of Lecture Threatre Complex					136043136.00	
Construction of Pre Eng. Steel Structure					42917383.00	
Construction of First Floor in ECE Department					11464462.00	
Constructions of Women and Man Hostel					4650843.00	
Equipments				873994.00	261243004.48	
Furniture & Fixture Including Hostel				872826.00	47595604.00	
Library Books					13787673.00	
Renovation of Institute Canteen					2482713.00	
Research/PHD Scholarship				2042005.00	0.00	
Solar Photo Voltac					23002257.00	
Utensils of Hostel Mess					56620.00	
M.Tech Scholarship				35775794.00	0.00	
<b>TOTAL</b>	<b>194058424.20</b>	<b>58000000.00</b>	<b>396900.00</b>	<b>63915393.00</b>	<b>672018981.48</b>	<b>38520949.72</b>

### (B) Non Plan Grant Govt. of India ( Unspent Balance )

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Unspent Grant for UG PG Course Government of India Non Plan	72582490.00	335000000.00	0.00	360186892.22	0.00	47395597.78
<b>TOTAL</b>	<b>72582490.00</b>	<b>335000000.00</b>	<b>0.00</b>	<b>360186892.22</b>	<b>0.00</b>	<b>47395597.78</b>
<b>Total of Schedule No. 7 I (A+B)</b>	<b>266640914.20</b>	<b>915000000.00</b>	<b>396900.00</b>	<b>424102285.22</b>	<b>672018981.48</b>	<b>85916547.50</b>

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## Balance Sheet 2013-14

### SCHEDULE - 7 II OTHER LIABILITIES AND PROVISIONS

Particulars	As on 31.03.2014	As on 31.03.2013
P.F. Deposit	1530637.61	909930.61
Provision March Salary and Pension	39941690.00	29328920.00
Gratuity Actuarial Liabilities	175823540.00	167977040.00
Security Deposit by Contractors	48883028.00	45279211.00
Leave Encashment Actuarial Liabilities	163263018.00	149342246.00
Earnest Money	3488736.00	2573855.00
Testing Charges	843397.00	843397.00
Salary Undisbursed	830572.95	748459.95
Deposits with Firms Through SO	376280.92	376280.92
Income Tax	0.00	67776.22
Library Security Deposit	5450.00	5450.00
Security Deposit by Student	1468000.00	1143000.00
Group Linked Insurance Scheme	52476.34	48374.64
Compensation from JDA	650337.00	650337.00
Center For Industrial Collaboration	15419.00	15419.00
Security Deposit by Staff	36000.00	64000.00
Rajasthan Sales Tax/VAT	8244.00	274.00
Fee for other RECs	83278.00	83278.00
Development of Canteen	9400.00	9400.00
Deposit out of Testing	90850.50	90850.50
Income Tax (Contractors)	76252.00	725880.00
Lab. Charges from MLV Textiles	20125.00	20125.00
Canteen Contractor Deposit	2550.00	2550.00
Stall Cheque Account Deposit	394609.00	394609.00
Advance to RSBCC	1021002.00	1021002.00
Deposit from R&C	44021.00	0.00
DCRGS Deposit	485768.00	485768.00



## Balance Sheet 2013-14

Finishing School Course Deposit	11250.00	11250.00
MRECTA	241.00	215.00
EPIP	20000.00	20000.00
TEQIP Fund Deposit	814666.00	0.00
Pension Contribution (Own)	348533.00	703081.00
Pension Contribution (Institute)	357274.00	711822.00
LIC	0.00	0.70
Spinfed Deposit	1720.00	1720.00
Sundry Creditors (Firms)	50353758.00	95406427.00
Deposit of MBA Management Technology	2299458.00	2299458.00
Deposit of Automatic Photocopier	2686.00	2252.00
Professional Income Tax	60433.00	172223.00
Loan from R&C	113146577.07	0.00
Loan From CCMT	31934732.18	0.00
Mess Deposit	109000.00	97000.00
Corporate Training Programme	136837.00	78808.00
DASA Admission Support Activities	94498.00	94498.00
Deposit of M/s Abhinav Enterprise	1686741.00	17572.00
Staff Club Teaching	100.00	100.00
CCMT	67144.00	67144.00
Deposit of M/s Purshottam Aircon, Jaipur	365114.00	365114.00
PWD Requirement Examination	1325413.00	1048544.00
Royalty Deposit	28408.00	1109.00
MST 2011	131700.00	37600.00
University Examination Fee	450952.89	450952.89
Misc. Funds Account	53053.00	53053.00
Scholarship Deposit	4450641.00	4468204.18
Labour Cess	10974.00	0.00



## Balance Sheet 2013-14

Recruitment of Manager/Assistant Manager Raj Comp	1259830.00	0.00
Rectification Work of Man & Women Hostel	5900000.00	0.00
JEN Exam Water Resource Department	1635273.00	0.00
Material Research Centre	56091.00	0.00
CHEMINOVA 2014	111.00	0.00
Deposits from CPWD	6646293.00	0.00
Provision for Audit Fees	121590.00	0.00
Institute Caution Money	43721075.00	35469525.00
<b>Total</b>	<b>707046849.46</b>	<b>543785106.61</b>
Sundry Creditors ME Part Time	20860.00	20860.00
Sundry Creditors Industrial Consultancy Cell	59146277.20	60378042.00
Sundry Creditors R & C	1294389.00	0.00
Sundry Creditors UK India REC	4664.25	4664.25
Security Deposit CBERD	50206.00	0.00
<b>Sundry Creditors TEQIP</b>		
Institute	0.00	10895868.00
Security Deposit	155740.00	155740.00
M. Raghunath & Company	15000.00	14607.00
<b>Total Schedule 7 – II</b>	<b>767733985.91</b>	<b>615254887.86</b>
<b>Grand Total Current Liabilities &amp; Provisions Schedule No. 7 (I + II)</b>	<b>853650533.41</b>	<b>881895802.06</b>

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# Balance Sheet 2013-14

## Balance Sheet 2013-14

### SCHEDULE 8 (a) : FIXED ASSETS DESCRIPTION

DESCRIPTION	GROSS BLOCK				DEPRECIATION				NET BLOCK		
	Cost/Valuation as at 01.04.2013	Additions During the Year	Deduction During the Year	Cost/Valuation at 31.03.2014	As at 01.04.2013	On Additions During the Year	On Deductions During the Year	Total up to 31.03.2014	As at 31.03.2014	As at 31.03.2013	
I. Land :	42920612.26	0.00	0.00	42920612.26	0.00	0.00	0.00	0.00	42920612.26	42920612.26	
a) Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
b) Leasehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
II. Buildings :	766865095.11	0.00	0.00	766865095.11	143034024.11	31191553.55	0.00	174225577.66	592639517.45	623831071.00	
a) Building Residential	156602906.28	117537992.00	0.00	274140898.28	94356384.48	17978451.38	0.00	112334835.86	161806062.42	62246521.80	
b) Building Others	308767499.20	241134125.00	0.00	549901624.20	210495382.89	24008088.34	0.00	234503471.23	315398152.97	98272116.31	
III. Plants, Machinery & Equipments	8441000.71	0.00	0.00	8441000.71	2344388.30	914491.86	0.00	3258880.16	5182120.55	6096612.41	
IV. Vehicle	123760225.30	50265413.81	10632600.00	163393039.11	29330251.38	542978.36	0.00	29873229.74	133519809.37	94429973.92	
V. Furniture & Fixtures	109472815.12	34509296.75	0.00	149982111.87	104532821.48	13371425.31	0.00	117904246.79	26077865.08	4939993.64	
VI. Computer/Peripherals	5936311.00	0.00	0.00	5936311.00	2774862.00	474217.35	0.00	3249079.35	2687231.65	3161449.00	
VII. Electric Installations	29161363.13	17833345.00	0.00	46994708.13	20682079.13	0.00	0.00	20682079.13	26312629.00	8479284.00	
VIII. Library Books	2350738.00	0.00	0.00	2350738.00	1071572.00	191874.90	0.00	1263446.90	1087291.10	1279166.00	
IX. Tube Wells & Water Supply	308838.00	464017.00	0.00	772855.00	279466.40	43453.58	0.00	322919.98	449935.03	29371.60	
X. Others Fixed Assets	0.00	10632600.00	0.00	10632600.00	0.00	10377417.60	0.00	10377417.60	255182.40	0.00	
XI. Solar Water Heater	1909239.00	859707.00	0.00	2768946.00	1021823.00	211613.63	0.00	1233436.63	1335509.38	887416.00	
XII. Office Equipment	64576600.00	5022471.47	0.00	69599131.47	41269660.90	15951282.34	0.00	57220943.24	12378188.23	23306999.10	
XIII. Software											
<b>A. Total of CURRENT YEAR</b>	<b>1621073303.11</b>	<b>478258968.03</b>	<b>10632600.00</b>	<b>208869671.14</b>	<b>651192716.07</b>	<b>115256848.20</b>	<b>0.00</b>	<b>766449564.27</b>	<b>1322250106.87</b>	<b>969880587.04</b>	
<b>B. Capital Work-in-Progress</b>	<b>215113174.00</b>	<b>283090820.00</b>	<b>51292732.00</b>	<b>446911262.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>446911262.00</b>	<b>215113174.00</b>	
<b>TOTAL (A+B)</b>	<b>1836186477.11</b>	<b>761349788.03</b>	<b>61925332.00</b>	<b>2535610933.14</b>	<b>651192716.07</b>	<b>115256848.20</b>	<b>0.00</b>	<b>766449564.27</b>	<b>1769161368.87</b>	<b>1184993761.04</b>	
<b>PREVIOUS YEAR</b>	<b>1537355658.11</b>	<b>331260001.00</b>	<b>32429182.00</b>	<b>1836186477.11</b>	<b>518981429.07</b>	<b>132211287.00</b>	<b>0.00</b>	<b>651192716.07</b>	<b>1184993761.04</b>	<b>1018374229.04</b>	

### SCHEDULE 8 (b) : FIXED ASSETS (TEQIP)

Particulars	Value as on 01.04.2013	Addition during the Year	Deduction during the year	Value as on 31.03.2014	Value as on 31.03.2013
Civil Works	797783.00	0.00	0.00	797783.00	797783.00
Equipment & Computers	51299836.00	5278985.00	0.00	56578821.00	51299836.00
Furniture & Fixtures	552626.00	0.00	0.00	552626.00	552626.00
Books & Learning Resources	21167255.00	0.00	0.00	21167255.00	21167255.00
<b>TOTAL (b)</b>	<b>80997500.00</b>	<b>5278985.00</b>	<b>0.00</b>	<b>86276485.00</b>	<b>80997500.00</b>
<b>TOTAL FIXED ASSETS 8 (a) + (b)</b>				<b>1855437853.87</b>	<b>1265991261.04</b>

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## Balance Sheet 2013-14

### SCHEDULE – 9 PROVIDENT/ ENDOWMENT FUNDS INVESTMENTS

Particulars	As on 31.03.2014	As on 31.03.2013
<b>(A) PF Trust Investment Fund</b>		
Fixed Deposit Receipt	172479678.65	157668808.00
GPF Loans	26444198.00	28948633.00
SB Account No. 165846 with ICICI Bank Limited	2928474.11	7771278.11
SB Account No. 12262 with Oriental Bank of Commerce	1122.85	1122.85
PF Trust Payable Account	1493007.00	866800.00
<b>Total (A)</b>	<b>203346480.61</b>	<b>195256641.96</b>
<b>(B) Pension Fund Investment</b>		
Deposit with PD Account No. 15 (Pension)	9379.00	8628.00
<b>Total (B)</b>	<b>9379.00</b>	<b>8628.00</b>
<b>(C) MNIT Endowment Investment Fund</b>		
FDRs with ICICI Bank Limited	0.00	1463263.00
<b>Total (C)</b>	<b>0.00</b>	<b>1463263.00</b>
<b>Total Provident /Endowment Investment Fund (A + B + C)</b>	<b>203355859.61</b>	<b>196728532.96</b>

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## Balance Sheet 2013-14

### SCHEDULE – 10 INVESTMENT OTHERS

Particulars	As on 31.03.2014	As on 31.03.2013
Fixed Deposit Receipts from Firms	35000.00	35000.00
FDR with OBC	0.00	104102440.00
FDR with ICICI Bank MNIT	3117376.00	0.00
FDR R&D Fund with ICICI	8270926.00	0.00
FDR Student Fund with YES Bank	32785656.75	0.00
FDR S.W.F. with ICICI	135490.00	0.00
FDR with ICICI	0.00	268607746.47
<b>FDR's (Units)</b>		
ICC with Oriental Bank of Commerce	0.00	60118792.00
ICC with HDFC	0.00	11229015.99
ICC with Yes Bank	12974842.73	0.00
Student Fund with Canara Bank	123306484.00	111976498.91
Student Fund with ICICI	0.00	94402978.00
SWF Fund with SBBJ Saras Sankul	0.00	130447.00
Student Fund HDFC	0.00	28374565.80
TEQIP with Yes Bank	10904174.22	0.00
TEQIP with OBC	6694998.00	39344086.00
FDR Scholarship SBBJ RKS	1311600.00	1266300.00
FDR Scholarship Canara Bank	0.00	367399.28
FDR Scholarship Yes Bank	163500.00	154250.90
FDR R & D Fund Yes Bank	0.00	7553502.14
FDR Corpus Fund with Canara Bank	135432021.00	122988427.26
FDR S.W.F. Canara Bank	0.00	3753305.23
CMSIC with Yes Bank	4917928.82	4489387.42
FDR R & C Fund with Yes Bank	10206096.00	30098025.00
FDR CBERD – MNIT, Jaipur with SBI	9038839.00	8073988.00
<b>TOTAL</b>	<b>359294932.52</b>	<b>897066155.40</b>

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# Balance Sheet 2013-14

## SCHEDULE - II - CURRENT ASSETS LOANS AND ADVANCES

### I: Overspent Grants

#### A Grant Sharable

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
PHE	7031596.51	0.00	0.00	1645006.00	0.00	8676602.51
Qip ( Poly )	4428985.00	0.00	0.00	254346.00	0.00	4683331.00
Recurring Grant Non Plan UG GOR	4726421.10	0.00	0.00	0.00	0.00	4726421.10
Recurring Grant Plan UG GOR	12680.78	0.00	0.00	0.00	0.00	12680.78
<b>TOTAL</b>	<b>16199683.39</b>	<b>0.00</b>	<b>0.00</b>	<b>1899352.00</b>	<b>0.00</b>	<b>18099035.39</b>

#### B Overspent Balance Plan Grants ( Govt. of Rajasthan )

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Capital Works Unmarried Women's Hostel	350000.00	0.00	0.00	0.00	0.00	350000.00
<b>TOTAL</b>	<b>350000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>350000.00</b>

#### C Overspent Balance Summer/winter School

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Advance Application on Power Electronics	281877.00	0.00	0.00	0.00	0.00	281877.00
Alternate Automobile Fuels	207760.00	0.00	0.00	0.00	0.00	207760.00
Applied Economics and Quantitative Tech.	235190.00	0.00	0.00	0.00	0.00	235190.00
Developing Teaching Skills in Management Course	382809.00	0.00	0.00	0.00	0.00	382809.00
Emerging Tools and Trends in Open Source Computing	242856.00	0.00	0.00	0.00	0.00	242856.00
Management and Mitigation of Natural Disasters	382246.00	0.00	0.00	0.00	0.00	382246.00
Operation Control of Morden Power System	294506.00	0.00	0.00	0.00	0.00	294506.00
Recent Advance in Microwave and Wireless Communication	409340.00	0.00	0.00	0.00	0.00	409340.00
Winter School Soft Computer Skills in Engg.	333103.00	0.00	0.00	0.00	0.00	333103.00
<b>TOTAL</b>	<b>2769687.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2769687.00</b>

#### D Overspent Balance Staff Development Programme

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Dr. Vineet Sahula	35440.00	0.00	0.00	0.00	0.00	35440.00
<b>TOTAL</b>	<b>35440.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>35440.00</b>

#### E Overspent Balance National Manpower Information System ( Nodal Center )

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
Non Plan	2520967.26	0.00	0.00	618257.00	0.00	3139224.26
<b>TOTAL</b>	<b>2520967.26</b>	<b>0.00</b>	<b>0.00</b>	<b>618257.00</b>	<b>0.00</b>	<b>3139224.26</b>

#### F Overspent Balance UK-India REC Project

Particulars	Balance as on 01-04-2013	Grant Received	Income	Utilization		Balance as on 31-03-2014
				Other	Capital	
UK-India REC Project	1236832.90	0.00	0.00	0.00	0.00	1236832.90
<b>TOTAL</b>	<b>1236832.90</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1236832.90</b>
<b>TOTAL II-I (A+B+C+D+E+F)</b>	<b>23112610.55</b>	<b>0.00</b>	<b>0.00</b>	<b>2517609.00</b>	<b>0.00</b>	<b>25630219.55</b>

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## Balance Sheet 2013-14

### SCHEDULE – 11 – II CURRENT ASSETS LOANS AND ADVANCES

Particulars	As on 31.03.2014	As on 31.03.2013
Advance to Staff	5873536.00	4494711.00
Fixation Arrears Teaching	5000.00	5000.00
Advance to Stores Officer	755647.17	755647.17
Advance for Lab. Work	34000.00	34000.00
MBA Course	17296.00	17296.00
Grant Receivable from Govt. of India	50000000.00	67500000.00
MNIT Pension Fund	30811.00	30811.00
Advance to Avas Vikas Sansthan	1162448.00	1162448.00
Advance to CPWD	88886194.00	29757094.00
Advance to Ground Water Board	79858.00	79858.00
Ex. Engg. PWD	1467467.68	1467467.68
LTC Advance	1067775.00	678542.00
ITTC	500.00	500.00
Advance to MRF	6280.00	6280.00
AIEEE Counseling Expenses	12130.00	12130.00
Advance to Firm	3038165.00	2371899.00
Advance to R&C	143224.00	0.00
Advance to Shri O.P. Singhal, Advocate	10000.00	10000.00
Advance to Avas Vikas Limited	35700000.00	35325015.00
Income Tax	42485.78	0.00
ASI	1119.00	276.00
Centre of Energy & Environment	232049.00	131170.00
Loan to P.F. Trust	3000000.00	1000000.00
Advance to M/s KMV Project Ltd., Hyderabad	43296041.00	41914474.00



## Balance Sheet 2013-14

Advance to TEQIP	24019.00	100000.00
Food Grain Loan	660.00	660.00
TEQIP Fund Deposit	0.00	10081202.00
NIT Delhi Deposit	528309.00	0.00
Prepaid Expenses	1121843.00	0.00
INDACON 2013	2400.00	0.00
AASP 2013	2000.00	0.00
KVPY	172.00	0.00
NSS	44.00	44.00
CSAB-2013	83693.00	0.00
<b>Security Deposits with</b>		
RSEB	1139697.00	1139697.00
M/s Sanghi Oxygen Company	1800.00	1800.00
Jaipur Gas Service	6700.00	6700.00
Krishana & Company	200.00	200.00
Telephone Department	17500.00	17500.00
Chandra Industries	150.00	150.00
Indian Oxygen Ltd.	4000.00	4000.00
Om Gas Agency	6750.00	6750.00
Jaipur Rotting Company	10000.00	10000.00
Mahalaxmi Gas Service	25200.00	25200.00
Ajit Service Station (Petrol Pump)	15000.00	15000.00
JVVN Limited, Jaipur	868731.00	868731.00
BSNL, Jaipur	100680.00	90180.00
<b>Staff Advances (Units)</b>		
ME Part Time	12895.00	12895.00



## Balance Sheet 2013-14

Industrial Consultancy Cell (ICC)	30000.00	0.00
Impact Electronics	61333.00	61333.00
Impact Computer	116687.00	116687.00
TEQIP	555673.00	678475.00
CBERD – MNIT, Jaipur	25000.00	15000.00
R & C Fund	599681.00	371000.00
<b>Other Advances (Units)</b>		
UK India REC Project	1084315.00	1084315.00
CBERD–MNIT, Jaipur (Receivable)	0.00	2776000.00
R & C Fund	33048492.00	0.00
Industrial Consultancy Cell (ICC)	80098085.07	0.00
TEQIP	160366.00	0.00
<b>Cash &amp; Bank Balance (Institute)</b>		
Cash on Hand (Institute)	125409.00	248171.00
Cash Imprest to Department / Section	241340.00	302778.00
UNESCO Coupons	558.03	558.03
Postage	3632.00	19383.00
Current A/c No. 11 with ICICI Bank Limited	17687876.44	54781172.77
S.B. A/C No. 22670 (old 11088) with OBC	265271.45	461760.45
Bank A/c no.10125472413 with SBI	257755.94	247746.94
S.B. A/C No. 20586 (R & D)	8341164.59	7787417.59
P.D. Account No. 15 (Interest Bearing)	66192.00	60894.00
P.D. Account No. 25 (Non Interest Bearing)	0.00	618343.30
Saving Bank A/C No. 105615 with ICICI	181169345.32	55993056.71
Bank A/c no. 32762181946 with SBI Bank	13702005.52	0.00
Bank A/c no . 355 with YES Bank	302574017.28	0.00



## Balance Sheet 2013-14

S.B. A/c No. 12351 with OBC (Development of Aluminium Silicon Alloys)	29.30	29.30
University Forms (Stock)	13125.00	13125.00
<b>Cash &amp; Bank Balances Units</b>		
<b>CMSIC</b>		
SB Account No. 140550	10290.68	9955.68
<b>ME Part Time</b>		
SB Account No. 139624	205223.00	192124.00
<b>ICC</b>		
SB Account No. 81625	4250524.44	19981885.24
<b>UK India REC</b>		
SB Account No. 129856	293220.35	283694.35
<b>Impact (Electronics)</b>		
SB Account No. 141038	29606.48	28644.48
<b>Impact (Computer)</b>		
SB Account No. 142514	65383.00	63258.00
<b>TEQIP</b>		
SB Account with SBBJ	42982.00	38262.00
SB Account with OBC	0.00	8388542.00
SB Account No. 435444 (ICICI)	10933313.19	2685161.00
<b>CBERD – MNIT, Jaipur</b>		
SB Account with SBI	9881455.00	499324.00
<b>R &amp; C Fund</b>		
SB Account with ICICI	6621154.89	4099376.29
<b>Total Schedule No. 11 – II</b>	<b>911394976.60</b>	<b>361042800.98</b>
<b>Grand Total Current Assets Loan &amp; Advances Sch. No. 11 (I+II)</b>	<b>937025196.15</b>	<b>384155411.53</b>

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## Balance Sheet 2013-14

### SCHEDULE – 12 INCOME FROM SALES/SERVICES

Particulars	Current Year	Previous Year
ICC	0.00	43925389.00
<b>Total</b>	<b>0.00</b>	<b>43925389.00</b>

### SCHEDULE – 13 Grant Recd./Receivable from Govt. of India Year Ending on 31.03.2014

Particulars	Current Year	Previous Year
UG/PG Course (Non Plan)	360186892.22	303504251.01
M.Tech. PHE	1645006.00	1451027.00
Nodal Center	618257.00	651574.00
COCP & Other Exp. (Nodal Centre)	0.00	282431.00
QIP (POLY)	254346.00	521145.00
Plan Grant Government of India	63915393.00	70107052.00
Centre Sector Scholarship Scheme for SC/ST Students	0.00	2017698.00
Projects	0.00	6961332.50
Projects (R & C Fund)	0.00	3021052.00
CBERD - MNIT	0.00	489187.00
TEQIP	0.00	5623208.00
<b>Total</b>	<b>426619894.22</b>	<b>394629957.51</b>

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## Balance Sheet 2013-14

### SCHEDULE – 14 STUDENTS FEES RECEIVED DURING THE YEAR ENDING ON 31.03.2014

Particulars	Current Year	Previous Year
Institute Fees UG/PG Course (Non Plan)	163176601.82	139343826.67
Student Fee (Student Fund)	63962017.44	61702587.00
<b>Total</b>	<b>227138619.26</b>	<b>201046413.67</b>

### SCHEDULE – 15 INCOME FROM INVESTMENT (INCOME ON INVESTMENT FROM EARMARKED/ENDOWMENT FUND) TRANSFERRED TO FUNDS

Particulars	Current Year	Previous Year
Income from Investment (Income on Investment from Earmarked/Endowment FUND Transferred to Funds)	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>

### SCHEDULE – 16 INCOME FROM ROYALTY, PUBLICATIONS ETC.

Particulars	Current Year	Previous Year
Income from Royalty, Publications, etc.	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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## Balance Sheet 2013-14

### SCHEDULE – 17 INTEREST EARNED

Particulars	Current Year	Previous Year
MNIT	26038813.55	24778472.47
CMSIC	428876.40	402285.75
Student Fund	20679286.85	21181475.50
ICC	7460018.81	6553382.65
ME – Part Time	13099.00	11058.00
UK – India REC Project	9526.00	11016.00
Impact (Computer)	2125.00	2456.00
Impact (Electronics)	962.00	1112.00
TEQIP	0.00	3047609.00
R & C	0.00	755681.00
CBERD - MNIT	0.00	79068.00
Projects	0.00	398252.00
<b>Total</b>	<b>54632707.61</b>	<b>57221868.37</b>

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## Balance Sheet 2013-14

### SCHEDULE – 18 OTHER INCOME

Particulars	Current Year	Previous Year
Light & Water Charges (Hostel)	17217299.00	10515600.00
Water Charges	186208.00	148529.00
Rent of Building	72035.00	37598.00
Misc. Income	2570805.86	2806063.00
Sale of Application Forms for Admission	1126537.00	580150.00
Application Fee against advertisement of Posts	0.00	52200.00
Recovery of Quarter Rent	992935.00	762149.00
Hostel Room Rent	11461200.00	7010400.00
Late Fee – Fine	140000.00	0.00
Projects	0.00	112658.50
<b>Other Income (Units)</b>		
ICC	0.00	1356.04
TEQIP	0.00	16000.00
R & C Fund	0.00	5089.00
<b>Total</b>	<b>33767019.86</b>	<b>22047792.54</b>

### SCHEDULE – 19 INCREASE/DECREASE IN STOCK OF FIXED GOODS AND WORKING PROGRESS

Particulars	Current Year	Previous Year
Increase/Decrease in Stock of Fixed Goods and Working Progress	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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# Balance Sheet 2013-14

## SCHEDULE – 20 ESTABLISHMENT EXPENSES

Particulars	Current Year	Previous Year
Pay of Officers	90254835.00	82372868.00
Pay of Establishment	35001729.00	36732025.00
Special Pay	15600.00	15600.00
Dearness Allowance	123738307.00	90995458.00
House Rent Allowance	12935630.00	13113854.00
City Compensation Allowance	-13200.00	-1440.00
Medical Reimbursement	4617292.00	3453000.00
Warden Allowance	920517.00	597318.00
Pension Contribution	-392604.00	-1376475.00
Pension Contribution (Salary)	3767694.00	1875044.00
Washing Allowance	112465.00	112563.00
Encashment of Leave	23185712.00	25094877.00
Gratuity	19424545.00	22060428.00
Other Allowances	29319.00	15710.00
Children Education Allowance	3254205.00	3191170.00
Transportation Allowance	20260075.00	17479170.00
Bonus	758837.00	799309.00
FWA	124328.00	57403.00
Commutation of Pension	8758514.00	3998021.00
Pension Expenditure	74940613.00	61236875.00
Dearness Pay	-2593386.00	-288898.00
Grade Pay	25890714.00	25587383.00
Interim Arrear	-100000.00	-100000.00
Special Allowance	60000.00	65000.00
Cumulative Profession Development (CPDA)	18784196.00	4986029.00
Leave Salary	-672909.00	-985907.00
Medical Allowance to Pensioners	1228502.00	1192865.00
Contractual Services	40845273.00	35297111.00
Overtime Allowance	45745.00	35268.00
Deputation Pay	93970.00	83164.00
Guest Faculty	12331986.00	13396609.00
Establishment Expenses (ICC)	0.00	43175853.00
Establishment Expenses (R & C)	0.00	1556538.00
Establishment Expenses (CBERD – MNIT)	0.00	198161.00
<b>Total</b>	<b>517608504.00</b>	<b>486021954.00</b>

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## Balance Sheet 2013-14

### SCHEDULE – 21 ADMINISTRATIVE EXPENSES

Particulars	Current Year	Previous Year
Scholarship	38072145.00	45412562.00
Consumables for Labs (Raw Material)	2009915.00	1441968.00
Postage & Telephone Etc.	2077331.00	4423549.00
Printing & Stationery	2779645.00	1501620.00
Contingent Exp.	4144909.45	2917398.15
Traveling Exp.	3196197.00	1906486.00
Vehicle Maintenance	929567.00	673345.00
Repair & Maintenance	38273470.00	54766668.00
Books & Periodicals	2710304.00	2578124.00
Student Activities	287105.00	157412.00
Liveries	0.00	372723.00
Advertisement	5991903.00	6336334.00
First Aid Medicines	126105.00	136785.00
Refreshment & Entertainment	945934.00	724526.00
Audit Fees	243180.00	0.00
Legal Expenses	423300.00	609236.00
Electricity Expenses	27862097.00	21780505.00
Symposia & Seminars	1452032.00	-363278.00
Transportation Arrangements	669290.00	578733.00
Misc. Expenses	348490.00	123653.00
Attending National/International Conferences by	114477.00	-37643.00
Internet Lease Line Charges	3313773.00	1250247.00
Earned Leave Encashment for LTC	1346779.00	1160494.00
LTC	6095829.00	4077073.00
Insurance of Institute Properties	162322.00	190037.00
Convocation Exp.	4866264.00	1378259.00
Boarding & Lodging	468922.00	371601.00
Affiliation Fee	433400.00	0.00
Industrial Training & Placement Fee	223624.00	224732.00
Alumni Association	278821.00	2000.00
Sports & Creative Art Society	3504508.00	2301999.00
MNIT Examination Fund	3308880.85	2754830.97
I-Card	68920.00	63310.00
Library Fee	8495.00	375884.00
Student Welfare	107469.00	73415.00
Student Insurance	1696800.00	1650400.00
Transcript Fee	61086.00	36866.00
Institute Guest House	5211048.00	69054.00
Education Tour	27190.00	24943.00
Golden Jubilee	4415292.00	4785318.00
Project Expenses	0.00	7472243.00
Book Bank	1266050.00	4042934.00
Other Administrative Expenses (TEQIP)	0.00	8686817.00
Other Administrative Expenses (ICC)	204495.00	867755.00
Other Administrative Expenses (R & C)	0.00	2225284.00
Other Administrative Expenses (CBERD)	0.00	368270.00
<b>Total</b>	<b>169727364.30</b>	<b>190494472.12</b>
Transfer to Corpus, Staff Development &	13746717.37	0.00
Transfer to Staff Development, Maintenance	10147746.39	0.00
<b>Grand Total</b>	<b>193621828.06</b>	<b>190494472.12</b>

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## Balance Sheet 2013-14

Particulars	Current Year	Previous Year
<b>Subsidiary Details of Repairs &amp; Maintances Expenses</b>		
Maintenance of Air Conditioners	18564.00	318178.00
Estate Maintenance	6929096.00	15552821.00
Maintenance of Hostel Building	1997782.00	7512632.00
Maintenance of Staff Quarters	386689.00	1242482.00
Maintenance of Garden	50530.00	87333.00
Maintenance of Computers	436582.00	395704.00
Maintenance of Furniture & Equipment	2875265.00	1281325.00
Repair & Maintenance (Plan)	25578962.00	28376193.00
<b>Total</b>	<b>38273470.00</b>	<b>54766668.00</b>

Particulars	Current Year	Previous Year
<b>Subsidiary Details of Expenses Paid Under Student Activity</b>		
Educational Excursions and Survey Camps	0.00	11912.00
Student projects	13862.00	145500.00
Other Student Activity	273243.00	0.00
<b>Total</b>	<b>287105.00</b>	<b>157412.00</b>

Particulars	Current Year	Previous Year
<b>Subsidiary Details of Miscellaneous Expenses</b>		
Extension Lectures	348490.00	123653.00
<b>Total</b>	<b>348490.00</b>	<b>123653.00</b>

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## Balance Sheet 2013-14

### SCHEDULE – 22 AMOUNT PAID AS GRANTS / SUBSIDIES

Particulars	Current Year	Previous Year
NIT Transit House, New Delhi	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>

### SCHEDULE – 23 INTEREST

Particulars	Current Year	Previous Year
Interest	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>

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### SCHEDULE 24 ACCOUNTING POLICIES

#### A. SIGNIFICANT ACCOUNTING POLICIES

##### 1. Accounting Convention :

The financial statements are prepared on the basis of historical cost convention, and in accordance of the generally accepted accounting principals and on mercantile basis, unless otherwise stated.

##### 2. Inventory Valuation :

Stores and spares, if remains unused shall be valued at cost. Consumables are deemed to be expenditure and not valued in Stores.

##### 3. Investments :

3.1 Investments are to be valued at Cost, except in fixed deposit receipts are to be valued at cost plus interest accrued thereon.

3.2 Cost shall include acquisition expenses like brokerage, transfer stamps etc.

##### 4. Fixed Assets :

4.1 Fixed assets are stated at cost of acquisition inclusive of inward freight, duties and taxes and incidental and direct expenses related to acquisition. In respect or projects involving construction, related pre operational expenses (including interest on loans for specific project prior to its completion) form part of value of assets capitalized.

4.2 Fixed assets received by way of non-monetary grant other then towards the corpus fund are capitalised at value stated by corresponding credit to capital reserve.

##### 5. Depreciation :

5.1 Depreciation is provided on written down value as per the rates specified in Income Tax Act, 1961.

5.2 Depreciation is charged on those Assets which have put to use up to 30th September – 100% and those Assets put to use after 30th September – 50%

5.3 Depreciation not charged on those Assets which have not been used up to 31st March.

5.4 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.



## Balance Sheet 2013-14

### 6. Government Grants/ Subsidies :

- 6.1 Government grants of the nature of contribution towards capital cost of setting up projects are treated as capital reserve.
- 6.2 Grants in respect of specific fixed assets acquired are made part of the capital reserve on utilisation of the grant.
- 6.3 Receipt of fees are classified as per nature capital and revenue as per Accounting Standard 6 issued by the Institute of Chartered Accountants.
- 6.4 Government grant are accounted on Grant sanction/accrual basis.

### 7. Foreign currency Transactions:

Transactions / Purchases in foreign currency are recorded at the exchange rate paid to the bank.

### 8. Retirement Benefits :

- 8.1 Liability towards gratuity payable on death/ retirement of employees is to be calculated on the basis of 15 days salary for each completed year of services of each eligible employees i.e. employees who have completed five years continued service.
  - 8.2 Liability of leave encashment is calculated on the basis of salary of each employees with their balance of leaves.
9. Income/Surplus of Institute is exempted from Income Tax as per Section 10(23C) (iiiab) of Income Tax Act 1961.

### 10. Accrued Income

Accrued 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 Chartered Accountant of India.

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### SCHEDULE NO. 25 : NOTES ON ACCOUNTS

1. Contingent Liability :
  - 1.1 Claims against the institution not acknowledged as debits Rs. Nil
  - 1.2 Bank Guarantees given on behalf of the institution Rs. Nil
  - 1.3 In respect of claims from parties for non execution of orders, but contested by the institution Rs. Nil
2. 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 recategorisation of the fixed assets.
4.
  - 4.1 Depreciation is charged on those Assets which have put to use up to 30th September – 100% and those Assets put to use after 30th September – 50%
  - 4.2 Depreciation not charged on those Assets which have not been used up to 31st March.
  - 4.3 The rates of depreciation charged on each groups of assets are as under :

I.	Land	Nil
II.	Buildings	
	A. Residential	5.00%
	B. Others	10.00%
III.	Plant, Machinery & Equipment	15.00%
IV.	Vehicles	15.00%
V.	Furniture & Fixtures	10.00%
VI.	Computer & Peripherals	60.00%
VII.	Other Fixed Assets	15.00%
VIII.	Software	60.00%
IX.	Electric Installation	15.00%
X.	Tube-well & Water Supply	15.00%
5. In the opinion of the management, the value of the current assets, Loans and advances have the revisable value stated.
6. 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. Expenses paid for the earlier years.
7. Figures are exhibiting rounding them off in the Balance Sheet, Income Expenditure Account and Receipt



## Balance Sheet 2013-14

and Payment Account.

8. Figures exhibited have been regrouped and rearranged where ever necessary.
9. As per AS 12 we cannot assess useful life of assets so we adopt written down value method of deprecation. This method of deprecation is valid as per Income Tax Act 1961.
10. All Grant received by Institute are refundable and unspent grants depicted as current liability.
11. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2014 and the Income and Expenditure Account for the year ended on that date.
12. Projects Grant ( Institute Fund ), Travel, Seminar and Other Grants, TEQIP, Project CBERD - MNIT,Jaipur, Student Fund, Other Earmarked Fund, Earmarked Fund (R&C) are the funds that were included as Current Liabilities & Provision till Previous Year now have been included in Provident/Endowment/Earmarked Funds.
13. Solar Water Heating System purchased in F.Y. 2011-12 for Rs. 10632600/- was inadvertently included in furniture & fixtures. Now it has been rectified.
14. Excess depreciation in Solar water heating system amounting Rs. 1275912/- has been rectified.
15. Previous Year Figures Were regrouped & rearranged wherever found necessary.

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# Balance Sheet 2013-14

## RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR 31.03.2014

Receipt	Amount
<b>I. Opening Balance</b>	
Cash in Hand	570890.00
Bank Balances	
(a) In Current Accounts	54781173.00
(b) In FDR	898529418.00
(c) In Savings Accounts	101439475.00
<b>II. Grant Received</b>	
(a) From Government of India	
(i) Non-Plan	335000000.00
(ii) Plan & Others	676777524.00
(b) From State Government	0.00
(c) From Other Sources	0.00
(d) Grants for Capital & Revenue	0.00
<b>III. Earmarked Investments Fund</b>	
(a) Earmarked Endowment Fund	33441766.00
(b) Own Funds (Corpus Fund)	48445294.00
<b>IV. Interest Received</b>	
(a) On Bank Deposit	54632708.00
(b) Loan, Advance, etc.	0.00
<b>V. Other Income</b>	
(a) Student Fee	227138619.00
(b) Other Income	33767020.00
<b>VI. Any other receipts</b>	
PF Deposit	31875223.00
Other Liabilities (TEQIP)	170740.00
Current Liabilities (ICC)	59146277.00
Current Liability (CBERD)	2826206.00
Current Liability (R&C)	1041067.00
Security Deposit (R & C)	253322.00
Income Tax	43280873.00
LIC	2136113.00
GSLI	986242.00
Earnest Money	6594688.00
Security deposit by Contractor	37213796.00
Pension Contribution (own)	3343797.00
Pension Contribution (Institute)	3343797.00
Receipt (Plan)	396900.00
TEQIP Fund Deposit	10895868.00
MRECTA	92781.00
VAT	13395698.00
ASI	72498.00
Deposit of Automatic Photocopiers	434.00
LTC Advance	4589667.00
MST	-94100.00



## Balance Sheet 2013-14

Security deposit by Students	325000.00
Security Deposit by Staff	10000.00
Income Tax Contractors	9450986.00
Grant Receivable from Government of India	67500000.00
Royalty Deposit	3409245.00
Provision March Salary and Pension	10612770.00
Gratuity Actuarial Liabilities	7846500.00
Leave Encashment Actuarial Liabilities	13920772.00
Undisburse Salary	2601665.00
Labour Cess	10119132.00
Recruitment of Manager/Assistant Manager Raj Comp	1437506.00
Rectification Work of Man & Women Hostel	6250000.00
JEN Exam Water Resource Department	2500000.00
Maternal Research Centre	70750.00
CHEMINOVA 2014	786150.00
Deposits from CPWD	6646293.00
Provision for Audit Fees	121590.00
KVPY	25000.00
Deposit from R&C	44021.00
Loan from R&C	113146577.00
Loan From CCMT	31934732.00
CSAB 2013	770332.00
Mess Deposit	12000.00
Dep. Advance	13965810.00
Sundry Ceditors	54455448.00
Advance to M/s KMV, Hyderabad	55870663.00
Advance to TEQIP	5244550.00
Food Grain Loan	970076.00
PWD Recruitment Exam.	3143819.00
Advance to CPWD	9480150.00
Professional Income Tax	2563467.00
Corporate Training Programme	91012.00
Scholarship Deposit	2564144.00
Caution Money	14867900.00
Advance to Avas Vikas Limited	93125015.00
Deposit of M/s Abhinav Enterprises	2249561.00
Staff Club (Teaching)	97700.00
Advance to Firm	500000.00
Received From Institute (R&C)	6102389.00
<b>TOTAL</b>	<b>3241106699.00</b>



## Balance Sheet 2013-14

Payment	Amount
<b>I. Expenses</b>	
(a) Establishment Expenses	517608504.00
(b) Administrative Expenses	193621828.00
(c) Grant & Subsidies	0.00
<b>II. Payments made against Funds for various projects</b>	
R & D & Modrob Projects	0.00
Earmarked/Endowment Expenses	66942549.00
<b>III. Investments and deposits made</b>	
(a) Out of Earmarked/Endowment	0.00
(b) Out of Own Funds	0.00
<b>IV. Expenditure on Fixed Assets &amp; Capital Work-in-progress</b>	
(a) Purchase of Fixed Assets	410530441.00
(b) Expenditure on Capital Work-in-Progress	283090820.00
<b>V. Refund of surplus money/Loans</b>	
(a) To the Government of India	9499180.00
(d) To Corpus Fund	29365828.00
<b>VI. Finance Charges</b>	
<b>VII. Other Payments</b>	
PF Deposit	31254516.00
Income Tax	43391135.00
LIC	2136113.00
GSLI	982140.00
Security deposit by Contractor	33609979.00
VAT	13387728.00
Earnest Money	5679807.00
Loan to PF Trust	2000000.00
Deposit of M/s Abhinav Enterprises	580392.00
ASI	73341.00
Undisbursed Salary	2519552.00
Labour Cess	10108158.00
Recruitment of Manager/Assistant Manager Raj Comp	177676.00
Rectification Work of Man & Women Hostel	350000.00
JEN Exam Water Resource Department	864727.00
Maternal Research Centre	14659.00
CHEMINOVA 2014	786039.00
KVPY	25172.00
CSAB 2013	854025.00
Advance to R&C	143224.00
Centre of Energy & Environment	100879.00
NIT Delhi Deposit	528309.00
Prepaid Expenses	1121843.00
INDACON 2013	2400.00
AASP 2013	2000.00



## Balance Sheet 2013-14

Security deposit BSNL	10500.00
Dep. Advance	15490514.00
Food Grain Loan	970076.00
Advance to CPWD	68609250.00
PWD Recruitment Exam.	2866950.00
Advance to M/s KMV, Hyderabad	57252230.00
Advance to Firm	1166266.00
Security deposit by Staff	38000.00
MRECTA	92755.00
Pension Contribution Employer	3698345.00
Pension Contribution Employee (Own)	3698345.00
LTC Advance	4978900.00
Income Tax Contractors	10100614.00
Other Current Assets (ICC)	80098085.00
Trans. to R & C & CBERD - MNIT	8904475.00
Caution Money	6616350.00
Grant Receivable from Government of India	50000000.00
Sundry Creditors	99508117.00
Corporat Training Programme	32983.00
Professional Income Tax	2675257.00
Royalty Deposit	3381946.00
Scholarship Deposit	2581711.00
Advance to Avas Vikas Limited	93500000.00
Staff Club (Teaching)	97700.00
Advance to TEQIP	5168569.00
IIT Kota	37500000.00
Current Liability (TEQIP)	11066215.00
Current Liability (ICC)	60378042.00
Current Assets (R&C)	33048492.00
Current Assets (Tequip)	160366.00
<b>VIII. Colsing Balances</b>	
(a) Cash in Hand	370939.00
(b) Bank Balances	
(i) In Current Accounts	17687876.00
(ii) In FDR	359294933.00
(iii) Savings Accounts	538708934.00
<b>TOTAL</b>	<b>3241106699.00</b>

Dy. Registrar (A/c)

Registrar

Director



## Balance Sheet 2013-14

### MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

#### List of Fixed Deposit Receipt (2013-2014)

#### TEQIP

FDR No.	Name of Bank	Amount
2440400025763	Yes Bank	10000000.00
7023021003853	OBC Bank	6613397.00
	<b>Total</b>	<b>16613397.00</b>
	Accured Interest on Fdr (Yes Bank)	904174.22
	Accured Interest on Fdr (OBC Bank)	81601.00
	<b>Grand Total</b>	<b>17599172.22</b>

Dy. Registrar



## Balance Sheet 2013-14

### MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR List of Fixed Deposit Receipt (2013-2014)

#### Sponsored Project (R & C)

S.No.	Date	FDR No.	Name of Bank	Amount
1	06.01.2014	2440100010080	Yes Bank	10000000.00
			<b>Total</b>	<b>10000000.00</b>
			Accured Interest on Fdr (Yes Bank)	206096.00
			<b>Grand Total</b>	<b>10206096.00</b>

Dy. Registrar



## Balance Sheet 2013-14

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

List of FDR as on 31/03/2014

Project -CBERD

### Sponsored Project (R & C)

S.No.	Date	FDR No.	Name of Bank	Amount
1	11/3/2014	33717344820	SBI	4000000/-
2	11/3/2014	33717355616	SBI	5000000/-
			<b>Total</b>	<b>9000000/-</b>
Accured Interest				38839/-
<b>Grand Total</b>				<b>9038839/-</b>



## Balance Sheet 2013-14

### MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR List of Fixed Deposit Receipt (2013-2014)

#### Industrial Consultancy Cell

S.No.	Date	FDR No.	Name of Bank	Amount
1	08.08.2013	2440400027607	Yes Bank	12186695.00
			<b>Total</b>	<b>12186695.00</b>
			Accured Interest on Fdr (Yes Bank)	788147.73
			<b>Grand Total</b>	<b>12974842.73</b>

Dy. Registrar



# Balance Sheet 2013-14

Annexure A

## MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR List of Fixed Deposit Receipt (2013 - 2014)

### R & D FUND

S.No.	Date	FDR No.	Name of Bank	Amount
1	19.09.2013	676814000940	ICICI Bank Limited, MNIT Branch	8270926.00
<b>GRAND TOTAL</b>				<b>8270926.00</b>

### INSTITUTE FUND

S.No.	Date	FDR No.	Name of Bank	Amount
1	04.09.2013	676814000922	ICICI Bank Limited, MNIT Branch	3117376.00
<b>GRAND TOTAL</b>				<b>3117376.00</b>

### SCHOLARSHIP FUND

S.No.	Date	FDR No.	Name of Bank	Amount
1	28.08.2012	61164577237	State Bank of Bikaner & Jaipur	1311600.00
<b>Total</b>				<b>1311600.00</b>
2	07.12.2012	002440300005461	Yes Bank, C-Scheme	163500.00
<b>Total</b>				<b>163500.00</b>
<b>GRAND TOTAL</b>				<b>1475100.00</b>

### STUDENT FUND

S.No.	Date	FDR No.	Name of Bank	Amount
1	07.08.2013	002440400027593	Yes Bank, C-Scheme	32785656.75
<b>Total</b>				<b>32785656.75</b>
3	21.03.2014	2550401001203/1	Canara Bank, Malaviya Nagar	123306484.00
<b>Total</b>				<b>123306484.00</b>
<b>GRAND TOTAL</b>				<b>156092140.75</b>

### CORPUS FUND

S.No.	Date	FDR No.	Name of Bank	Amount
1	20.03.2014	2550401001058/4	Canara Bank, Malaviya Nagar	135432021.00
<b>GRAND TOTAL</b>				<b>135432021.00</b>

### SWF FUND

S.No.	Date	FDR No.	Name of Bank	Amount
1	24.10.2013	676814000975	ICICI Bank Limited, MNIT Branch	135490.00
<b>GRAND TOTAL</b>				<b>135490.00</b>



## Balance Sheet 2013-14

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

### List of Fixed Deposit Receipt (2013 - 2014)

#### FIRMS/PARTY FUND

S.No.	Date	FDR No.	Name of Bank	Amount
1	28.9.1981	147183	State Bank of Bikaner and Jaipur	500.00
2	26.12.1987	292903	State Bank of India	500.00
3	21.5.1990	8088	The Urban Cooperative Bank Limited	2000.00
4	10.10.1990	885364	State Bank of India	1000.00
5	3.3.1993	182992	Oriental Bank of Commerce	1000.00
6	26.6.1993	1833530	Dena Bank	2000.00
7	27.10.1993	119758	The Bank of Rajasthan Limited	500.00
8	20.11.1993	490671	Bank of Maharashtra	2000.00
9	18.3.1997	676963	State Bank of Bikaner and Jaipur	1500.00
10	21.8.1999	742801	Canara Bank	4000.00
11	14.7.2000	4526154	Union Bank of India	20000.00
			<b>TOTAL</b>	<b>35000.00</b>

Dy. Registrar (A/c)

# Balance Sheet 2013-14



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

## List of Fixed Deposit Receipt (2013 - 2014)

### GPF Trust

S.No.	Date	FDR No.	Name of Bank	Amount
1	25.05.2013	2550401001076/1	Canara Bank	4682094.00
			<b>Total</b>	<b>4682094.00</b>
2	11.04.2013	002440400025739	Yes Bank Limited	40000000.00
3	11.03.2013	002440400025742	Yes Bank Limited	13261126.00
4	11.03.2013	002440400025721	Yes Bank Limited	100000000.00
			<b>Total</b>	<b>153261126.00</b>
			<b>Accrued Interest (Canara Bank)</b>	<b>435824.00</b>
			<b>Accrued Interest (Yes Bank)</b>	<b>14100634.65</b>
			<b>GRAND TOTAL</b>	<b>172479678.65</b>



## Balance Sheet 2013-14

### MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

#### List of Fixed Deposit Receipt (2013 - 2014)

##### CMSIC

S.No.	Date	FDR No.	Name of Bank	Amount
1	25.09.2013	00244060009242	Yes Bank Limited	4687053.73
			<b>Total</b>	<b>4687053.73</b>
			<b>Accrued Interest</b>	<b>230875.09</b>
			<b>GRAND TOTAL</b>	<b>4917928.82</b>



# Balance Sheet 2013-14

## MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR INSTITUTE FEE

Fees Structure for B.Tech/B.Arch student admitted in the session 2013-14

S. No.	Head of Fees	Odd Semesters		Even Semesters	
		For General Category Students (in Rupees)	For SC/ST Students (in Rupees)	For General Category Students (in Rupees)	For SC/ST Students (in Rupees)
<b>A. Admission/Tuition Fees</b>					
1	Admission Processing Fee	1000	1000	1000	1000
2	Tuition Fee	17500	--	17500	--
	<b>Total (A)</b>	<b>18500</b>	<b>1000</b>	<b>18500</b>	<b>1000</b>
<b>B. Institute Fees</b>					
3	Development	3000	3000	3000	3000
4	Library & Book Bank	1000	1000	1000	1000
5	Computer/Internet	1000	1000	1000	1000
6	Sports & Creative Arts Society	1000	1000	1000	1000
7	Students Welfare	300	300	300	300
8	Industrial Training & Placement	1000	1000	1000	1000
9	Examination	500	500	500	500
	<b>Total (B)</b>	<b>7800</b>	<b>7800</b>	<b>7800</b>	<b>7800</b>
<b>C. Group Insurance *</b>					
10	Insurance Fees (Annual)	400	400	--	--
	<b>Total (C)</b>	<b>400</b>	<b>400</b>	<b>--</b>	<b>--</b>
<b>D. One Time Payment at Admission</b>					
11	Institute Caution Money (refundable) (for All)	10000	10000	--	--
12	Alumni Association Membership Fees	1000	1000	--	--
13	Identity Card Charges	100	100	--	--
	<b>Total (D)</b>	<b>11100</b>	<b>11100</b>	<b>--</b>	<b>--</b>
	<b>Total (A+B+C+D)</b>	<b>37800</b>	<b>20300</b>	<b>26300</b>	<b>8800</b>
<b>A. Hostel Fees</b>					
1	Room Rent	2400	2400	2400	2400
2	Light & Water Charges	3600	3600	3600	3600
	<b>Total (A)</b>	<b>6000</b>	<b>6000</b>	<b>6000</b>	<b>6000</b>
<b>B. Hostel Caution Money &amp; Mess Advance (for Hostellers)</b>					
1	Hostel Caution Money (one time refundable)	10000	10000	--	--
2	Mess Advance per semester & adjusted in the Mess Bill at actual	12000	12000	12000	12000
	<b>Total (B)</b>	<b>22000</b>	<b>22000</b>	<b>12000</b>	<b>12000</b>
	<b>Total (A+B)</b>	<b>28000</b>	<b>28000</b>	<b>18000</b>	<b>18000</b>

\* Group insurance fees will be as per actual and will be applicable from the month of October

The draft for **Institute Fees** should be in the name of the Registrar MNIT Jaipur payable at Jaipur.

The draft for **Hostel Fee** should be in the name of the MNIT Mess Council payable at Jaipur.

**Note: Students may deduct initial fee paid by them at reporting centre from Institute fee**



## MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR INSTITUTE FEE

Fees Structure for M.Tech/M.Plan/M.Sc/MBA(Full-time) student admitted in the session 2013-14

S. No.	Head of Fees	Odd Semesters		Even Semesters	
		For General Category Students (in Rupees)	For SC/ST Students (in Rupees)	For General Category Students (in Rupees)	For SC/ST Students (in Rupees)
<b>A. Admission/Tuition Fees</b>					
1	Admission Processing Fee	1000	1000	1000	1000
2	Tuition Fee	17500	--	17500	--
	<b>Total (A)</b>	<b>18500</b>	<b>1000</b>	<b>18500</b>	<b>1000</b>
<b>B. Institute Fees</b>					
3	Development	1000	1000	1000	1000
4	Library & Book Bank	300	300	300	300
5	Computer/Internet	1000	1000	1000	1000
6	Sports & Creative Arts Society	500	500	500	500
7	Students Welfare	300	300	300	300
8	Industrial Training & Placement	250	250	250	250
9	Examination	1000	1000	1000	1000
	<b>Total (B)</b>	<b>4350</b>	<b>4350</b>	<b>4350</b>	<b>4350</b>
<b>C. Group Insurance *</b>					
10	Insurance Fees (Annual)	400	400	--	--
	<b>Total (C)</b>	<b>400</b>	<b>400</b>	<b>--</b>	<b>--</b>
<b>Total (A+B+C)</b>		<b>23250</b>	<b>5750</b>	<b>22850</b>	<b>5350</b>
<b>D. One Time Payment at Admission</b>					
11	Institute Caution Money (refundable) (for All)	10000	10000	--	--
12	Alumni Association Membership Fees	1000	1000	--	--
13	Identity Card Charges	100	100	--	--
	<b>Total (D)</b>	<b>11100</b>	<b>11100</b>	<b>--</b>	<b>--</b>
<b>Total (A+B+C+D)</b>		<b>34350</b>	<b>16850</b>	<b>22850</b>	<b>5350</b>
<b>A. Hostel Fees</b>					
1	Room Rent	2400	2400	2400	2400
2	Light & Water Charges	3600	3600	3600	3600
	<b>Total (A)</b>	<b>6000</b>	<b>6000</b>	<b>6000</b>	<b>6000</b>
<b>B. Hostel Caution Money &amp; Mess Advance (for Hostellers)</b>					
1	Hostel Caution Money (one time refundable)	10000	10000	--	--
2	Mess Advance per semester & adjusted in the Mess Bill at actual	12000	12000	12000	12000
	<b>Total (B)</b>	<b>22000</b>	<b>22000</b>	<b>12000</b>	<b>12000</b>
<b>Total (A+B)</b>		<b>28000</b>	<b>28000</b>	<b>18000</b>	<b>18000</b>

\* Group insurance fees will be as per actual and will be applicable from the month of October

The draft for **Institute Fees** should be in the name of the Registrar MNIT Jaipur payable at Jaipur.

The draft for **Hostel Fees** should be in the name of the MNIT Mess Council payable at Jaipur.

**Note: Students may deduct initial fee paid by them at reporting centre from Institute fee**

# Convocation



# Convocation



## Conferences / Seminars / Workshops



## Conferences / Seminars / Workshops



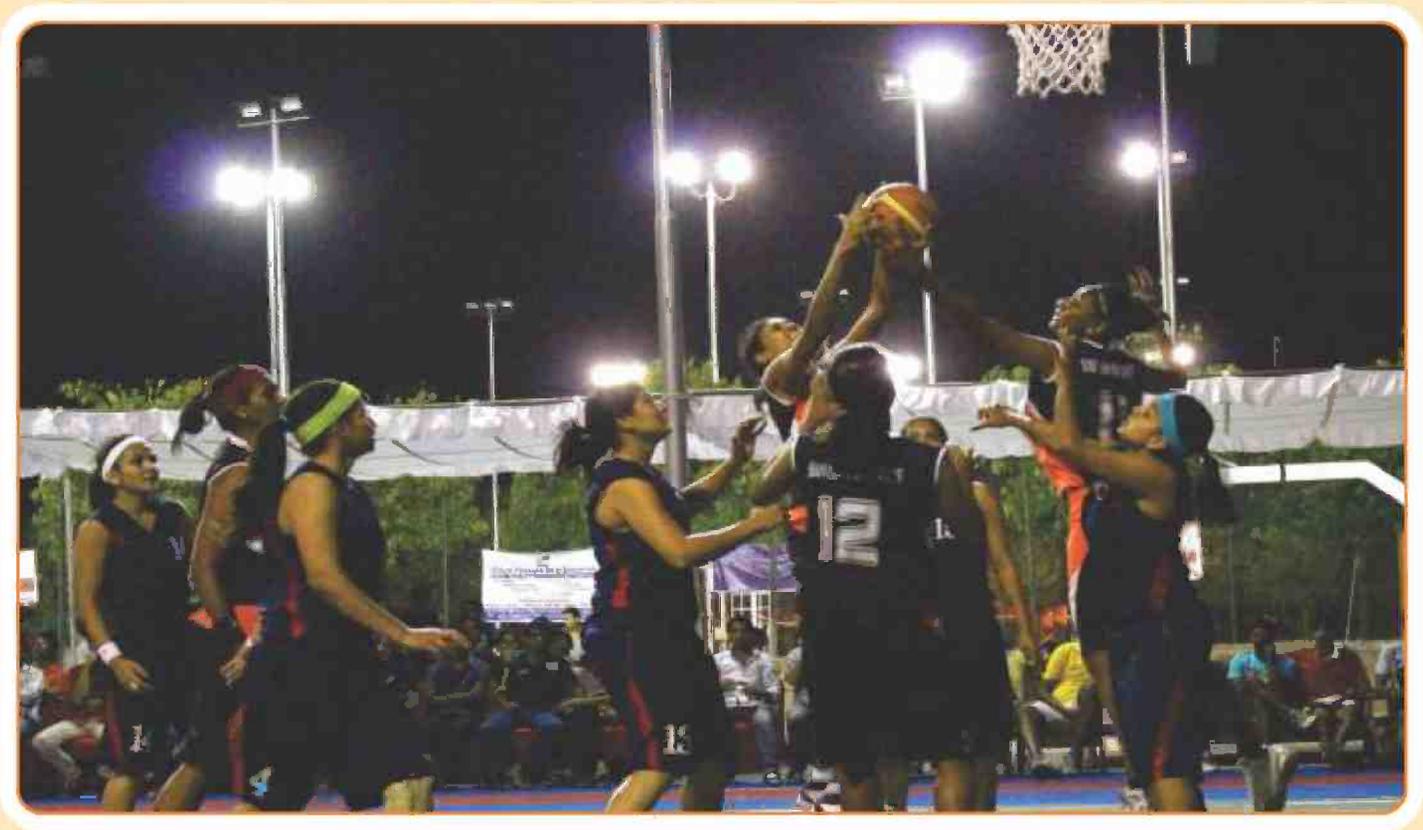
## Conferences / Seminars / Workshops



# Athletic Meet



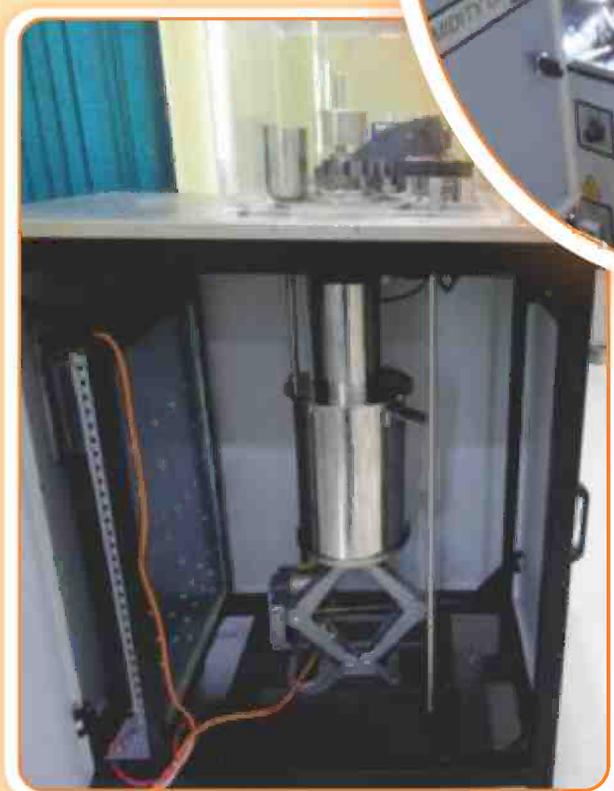
## Sports Activities



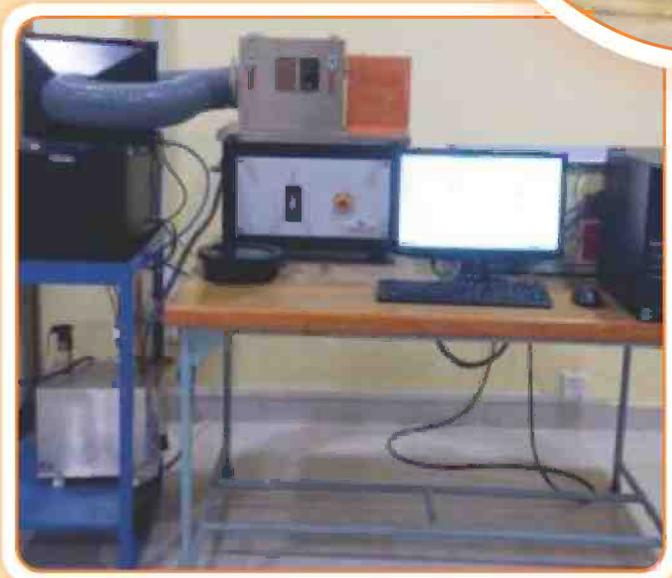
# Sports Activities



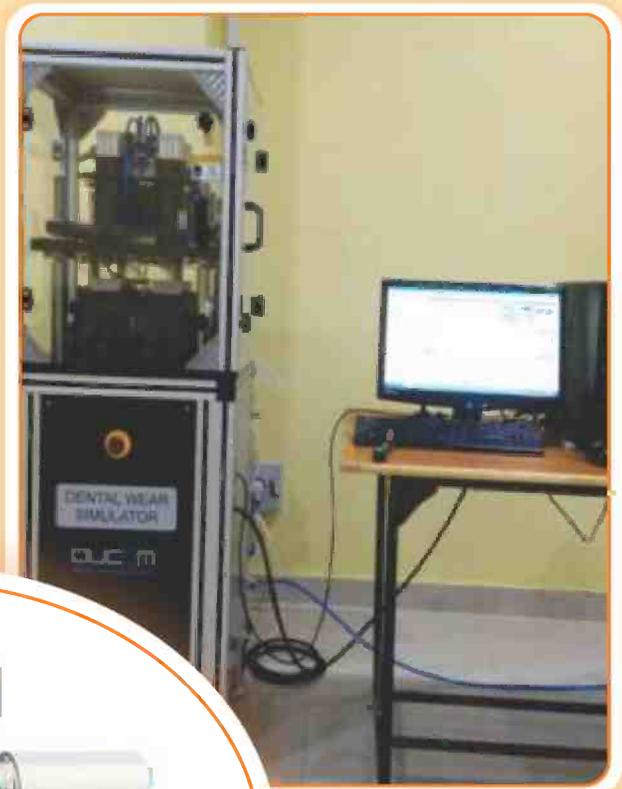
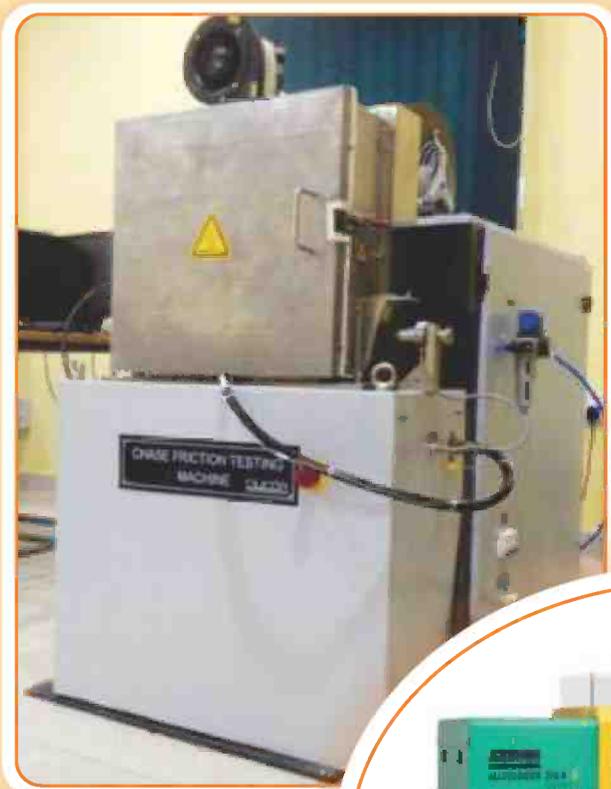
# Labs & State of Art Equipments



# Labs & State of Art Equipments



# Labs & State of Art Equipments



# Labs & State of Art Equipments

