



Research Methodology and authoring, reviewing Manuscripts

25th Jul – 5th Aug 2022

<http://www.mnit.ac.in/eict>



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Preamble (Electronics & ICT Academy)

Government of India had announced a National Policy on Skill Development, which has set a target of skilling 500 million people by 2022 in the domain of Electronics & IT. Under the plan scheme of “Digital India Manpower Development”. MeitY has set up seven (07) Electronics and ICT Academies as a unit in 03 IITs, 03 NITs and 01 IIIT with an objective of faculty/mentor development/up gradation in the areas related to Electronics & ICT leading ultimately to improved employability of graduates/diploma holders. MNIT Jaipur has set up such an academy for providing specialized training to faculty and industry persons in the states/UTs of Rajasthan, Gujarat, Daman & Diu, Dadra Nagar Haveli.

(A) Issues-

1. IT Hardware and Electronics Manufacturing industry- availability of properly trained, skilled and qualified manpower
2. Number of quality PhDs generated in IT / Computer Science is very low
3. In E & ICT domain- there is a very high degree of obsolescence of existing technologies and faster emergence of newer technologies

(B) Approach-

1. A focused faculty training/updation programme for IT, Electronics, and related sectors
2. Spreading up and continuous updation regarding Emerging Technology
3. Training and consultancy services for Industry
4. Design, Develop and Deliver specialized modules for specific research areas and Industry
5. Providing advice and support for technical incubation and entrepreneurial activities

The course has been designed to impart programming knowledge and skills required for being an effective researcher/teacher within the domain of **Research Methodology**. The Course is open to faculty, persons from industry, doctoral and other students. This workshop will have specific sessions which include rigorous hand- on (practice) sessions on qualitative & quantitative research, managing the research data, technical writing, Latex, Mathematical style, reports, manuscripts, thesis, CV etc. The programme will give opportunities to connect with experts for research orientation.

Experts/Speakers (consent awaited)-

- 1) Dr. C. P. Ravikumar, Texas Instruments
- 2) Prof. D. B. Phatak, ex-IIT Bombay
- 3) Prof. Veena Bansal, IIT Kanpur
- 4) Prof. Binod Mishra, IIT Roorkee
- 5) Prof. Kannan Moudgalya, IIT Bombay
- 6) Mr. C. V. Radhakrishnan, TUG & River-Valley
- 7) Prof. Yogananda C. S., Chairman TUG-group
- 8) Dr. Prathap Haridoss, IIT Madras
- 9) speakers from host institutes Prof. Lava Bhargava, Dr. M. Ravi Kumar, MNITJ, Dr. Arka P. Mazumdar, MNITJ, Dr. Amit M. Joshi, MNITJ, Prof. V. Sahula, MNITJ

Course Contents:

- Introduction to Research Methodology Qualitative vs Quantitative Research; How to write a Literature Review; Strategies to organize and evaluate sources; Writing about Methods and Design;
- Managing and Sharing Research Data- Available tools and support to make this process as easy as possible; Improving its reusability of shared data; Technical Writing and Research Methodology;
- Language support tools- Grammarly, Draft
- Introduction to Typesetting in Latex; Writing a technical report in Latex- outline & Contents
- Mathematical style- Mathematics in Science and Technology; Writing manuscript in Latex- working with figures, tables; Technical Reports, Manuscripts, Thesis
- Making presentation in Latex, Beamer
- Reviewing manuscripts; Responding to reviewer's comment; Bibliography management, Mendeley, JabRef
- Publishing in print and for the Internet
- Online tools- CV, Sharelatex, OverLeaf, Author Kits
- Agile Classroom: Teaching, Learning

Joint Principal Coordinator:

Prof. Lava Bhargava	lavab@mnit.ac.in	954 965 4231 (M)
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Registration:

Registration is open to graduate, postgraduate and doctoral students, faculty and industry persons. Participants will be admitted on first-come first-served basis.

Details of the programme- http://www.mnit.ac.in/eict/acad_training_prg.php

Register online at portal- <http://online.mnit.ac.in/eict>

Registration Fee:

Academic (student/faculty) India/SAARC: ₹ 500/-
Industry/Others from India/SAARC: ₹ 1000/-
Other countries (student/faculty/Industry persons): \$ 60 /£ 50

(A) Fee once paid will not be refunded back; it may only be adjusted in future courses upon prior request.

(B) The fee covers online participation in the programme, comprehensive tutorials, practice notes & certification charges.

(C) The organizers should receive the fee through online payment gateway provided at the registration portal provided above.

→ For any other query, email us at academy@AT@mnit.ac.in