



# ICT Tools for Teaching, Learning process & Institutes

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Ministry of Electronics & Information Technology  
Government of India  
[meity.gov.in/content/schemes-projects](http://meity.gov.in/content/schemes-projects)



Chairman, Advisory Board, EICT Academy &  
Director MNIT Jaipur  
Prof. Udaykumar R. Yarangatti

Honorary Academic Chair, EICT Academy  
Prof. V. Sinha

Chief Investigator, EICT Academy  
Prof. Vineet Sahula, ECE

Co- Chief Investigators, EICT Academy  
Prof. Lava Bhargava, ECE  
Prof. Pilli Emmanuel Shubhakar  
Dr. C. Periasamy, ECE  
Dr. S. J. Nanda, ECE  
Head, ECE (Prof. V. Janyani)  
Head, CSE

**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

An intensive two-week online certification programme is being organized jointly by NIT Patna, IIT Guwahati, IIT Kanpur, IIITDM Jabalpur, IIT Rookree and MNIT Jaipur for the faculty of engineering and technological institutions, working professionals and research oriented students of Indian organizations. It is also open to persons from outside India in academia, industry. This workshop will cover exposure to various ICT Tools helpful in teaching, learning processes, especially in these times of pandemic, alongwith tools for educational administration for institutes. Eminent experts from IIT/NIT/Industry and prestigious foreign universities would be conducting online lab and training sessions.

#### Experts/Speakers-

(i) Prof. D. B. Phatak, IITB	(ii) Prof. T. V. Prabhakar, IITK,
(iii) Prof. K. Mangala Sundar, IITM	(iv) Prof. Binod Kumar, IITR
(v) Prof. S. Sancheti, VC, SRMIST	(vi) speakers from IIT Kharagpur (consent awaited);
(vii) Dr. Reema Sahni, FiTT, IITD;	(viii) Active Learning Group
Faculty/experts from host institutes	

#### Programme Modules:

- **Use of ICT-** Effective use of ICT for transforming pedagogy and empowering students; Empowerment through Communication skills
- **Online/blended Learning-** Adopting online/blended-learning in teaching learning process
- **MooC-** Use of MooC for contents management, class organization, assessment; MooC's deployment and use; Building Course Website and Google Suite
- **Teaching Learning Tools & e-content generation-** Using tools for teaching learning- interactive whiteboards/smart-screens, video-conferencing, digital content creation, design of instructional material & presentation;
- **Content Dissemination- Management,** Version Control; ICT tool for English language teaching and learning; Illustration tools and author aids- Visio
- **Computer Based Training (CBT) -** CBT for letters generation, certificate preparation, report writing, Presentation and posters preparation, Spreadsheets & evaluation, Research Resources & Bibliography Management etc.

#### Programme Coordinator:

Prof. Lava Bhargava [lavab@mnit.ac.in](mailto:lavab@mnit.ac.in) 9549654231 (M)

#### Certification:

Certificate fee, applicable is as follows.

- (i) Rs. 500 (faculty/students from India/SAARC/African countries)
- (ii) Rs. 1000/- (others)
- (iii) USD 60 (other countries)

#### Registration:

Registration is open to faculty, industry persons, doctoral, postgraduate and graduate students working in electrical & Computer Engineering and related fields. Participants will be admitted on first-come first-served basis.

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

- (A) Fee once paid will not be refunded back; it would be adjusted in future.
- (B) The fee covers online participation in the programme, tutorial notes and examination, certification charges.
- (C) The organizers should receive the registration amount through online payment gateway provided at the registration portal.
- (D) For schedule details, see website.

→ For any other query, email us at [academy@mnit.ac.in](mailto:academy@mnit.ac.in)

For details of other programmes, visit -

[http://www.mnit.ac.in/eict/acad\\_training\\_prg.php](http://www.mnit.ac.in/eict/acad_training_prg.php)