

Faculty Development Program  
on

## Electric Vehicle Infrastructure

July 16-20, 2018

Venue: Prabha Bhawan, MNIT Jaipur  
<http://www.mnit.ac.in/eict>

Organized by  
**Electronics & ICT Academy, MNIT Jaipur**  
and

**Technical Education Quality Improvement Programme III**



MNIT Jaipur

**TEQIP-III**



Department of Electronics  
& Information Technology  
Ministry of Communications  
& Information Technology  
Government of India

[melty.gov.in/content/schemes-projects](http://melty.gov.in/content/schemes-projects)

**Ministry of Electronics & Information Technology**  
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**MNIT Jaipur**

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Chairman, Advisory Board, EICT Academy & Director MNIT Jaipur  
Prof. Udaykumar R. Yaragatti  
Academic Chair, EICT Academy Prof. V. Sinha  
Chief Investigator, EICT Academy Prof. Vineet Sahula, ECE

### About E & 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. DeitY 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.

### Issues

IT Hardware and Electronics Manufacturing industry- availability of properly trained, skilled and qualified manpower.

Number of quality PhDs in IT / Computer Science is very low.

In E&ICT domain – there is a very high degree of obsolescence of existing technologies and faster emergence of newer technologies.

### Approach

A focused faculty training/upgradation programme for IT, Electronics and related sectors.

Spreading and continuous upgradation in Emerging Technology.

Training and consultancy services for Industry. Design, Develop and Deliver specialized modules for specific research areas and Industry. Providing advice and support for technical incubation and entrepreneurial activities.

### Bank Details

#### Account Name

Electronics and ICT Academy MNIT Jaipur

#### Bank address

ICICI Bank, MNIT Campus Branch

Account Number IFSC Code

676801700483 ICIC0006768

An intensive one-week training programme is being organized for faculty of engineering and technological institutions. It is also open to persons from industry and doctoral students of Indian organizations. The objective is to provide an exposure to the participants to the recent trends in “Electric Vehicle Infrastructure” through interaction with experts from different parts of the country as well as from other foreign countries. The technical program will include state-of-the-art lectures, discussion/presentation sessions. Programme topics

1. Development of charger for EV charging.
2. EV history, architecture and battery technology.
3. EV infrastructure, charging and control system.
4. Motor and their control for EV.
5. PFC Rectifier application.
6. DC-DC converter technology.
7. Vehicle to Grid and Grid to Vehicle (V2G and G2V) bidirectional power flow.
8. EV integration to grid.

### Invited Experts

1. **Prof. Hemanshu Roy Pota, UNSW Canberra, Australia**
2. **Dr. Akshay Kumar Rathore, Concordia University, Canada**
3. **Prof. Sheldon Williamson, University of Ontario Institute of Technology, Oshawa, Ontario, Canada**
4. **Prof. Udaykumar R. Yaragatti, Director MNIT Jaipur, India**
5. **Prof. D.K Jain, DCRUST Murthal, Sonapat, India**

### Registration

Registration is open to faculty, industry persons, doctoral and postgraduate students of programmes related to Electrical, Electronics, Control and Renewable. Participants will be admitted on a first-come first-served basis. Selected participants will be notified on or before 12th July 2018. Register online at <http://www.mnit.ac.in/eict>

### Fee

1. The one-time registration fee of Rs. 500/- is to be paid by each participant attending first time, irrespective of affiliation. This fee is not applicable for those participants, who have attended any Academy training programme earlier.
2. The participants from academia and research scholars are required to pay a further fee of Rs. 2000/- (faculty/research-scholars). Rest expenditure is sponsored by DeitY through Electronics & ICT Academy at MNIT Jaipur.
3. However, the participants from industries, UG/PG students would pay a further fee of Rs. 5000/-.
4. The fee covers the participation in the programme, registration material including tutorial notes, boarding (breakfast/lunch) on all the days of the workshop. The travel and other expenses would have to be borne by the participants or their parent- organizations.
5. Lodging for very limited number of outside participants is available on first-come first-served and additional payment basis.

**Coordinators** : Dr. Rohit Bhakar, Associate Professor and Dr. Arun Kumar Verma, Assistant Professor,  
Department of Electrical Engineering Malaviya National Institute of Technology Jaipur 302017 Jaipur, India | Phone:  
+91-9549650318 and +91- 9549650188 | Email: [rbhakar.ee@mnit.ac.in](mailto:rbhakar.ee@mnit.ac.in) and [arun.ee@mnit.ac.in](mailto:arun.ee@mnit.ac.in)