Jointly Organized by

**Electronics & ICT Academy
MNIT Jaipur**
http://www.mnit.ac.in/eict
&
**TEQIP Cell
MNIT Jaipur**

Trends in

Electric Vehicle Infrastructure

July 16 - 20, 2018
Venue: Prabha Bhawan, MNIT Jaipur

**Faculty Development Programme
Sponsored by**

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

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Government of India

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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 ex- isting technologies and faster emergence of newer technologies.

Approach:
A focused faculty training/updation programme for IT, Electronics and related sectors.
Spreading and continuous updation 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.
Please visit us at: http://www.mnit.ac.in/eict

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 are:
(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) EV integration to Grid, (8) Vehicle to Grid (V2G) and Grid to Vehicle (G2V) bidirectional power flow

Invited Experts:
1. **Prof. Hemanshu Roy Pota, UNSW Canberra, AUSTRALIA**
2. **Dr. Akshay Kumar Rathore, Concordia University, CANADA**
3. **Prof. Sheldon Williamson, University Institute of Technology, OSHAWA**
4. **Prof. Udaykumar R. Yaragatti, Director MNIT Jaipur**
5. **Prof. D.K Jain, DCRUST Murthal**

Programme coordinators:
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Registration:
Registration is open to faculty, industry persons, doctoral and postgraduate students of programmmes related to Electrical, Electronics, Control and Renewable. Participants will be admitted on a first-come first-served basis. Register on line at http://www.mnit.ac.in/eict/acad_training_prg.php

Fee:
(A). 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.
(B). (i) 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.
(ii) The participants from industries, UG/PG students are required to pay a further fee of Rs. 5000/-.
(iii) Relaxation/rebate of 50% of course fee in (i) and (ii) is applicable for SC/ST candidates.
(C) 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.
(D) Accommodation for very limited number of outside participants is available on first-come first-served and additional payment basis.
(E) The organizers should receive the registration amount through online payment/NEFT/IMPS.

Account Name: Electronics and ICT Academy MNIT Jaipur	Account Number: 676801700483
Bank Address: ICICI Bank, MNIT Branch	IFSC Code: ICIC0006768

(F) Further queries: Queries may be addressed to the coordinators.