

## About Institute

North Eastern Regional Institute of Science and Technology (or NERIST) is a higher educational institute located at Nirjuli, Itanagar, in the Indian state of Arunachal Pradesh. Established in 1984, it is a deemed-to-be-university u/s 3 of UGC Act 1956, autonomous, fully funded and controlled by the MHRD, Government of India. The institute is managed by a Board of Management, comprising representatives of MHRD, the eight beneficiary states of the North Eastern region, AICTE and educationists. It offers modular pattern of education in all disciplines of Engineering along with Forestry as an applied science discipline from 10th standard to degree levels. It also offers various postgraduate (MTech, MBA and MSc) and doctoral programmes in all branches of engineering, applied science, physics, chemistry, mathematics, humanities and management.

## About Department

The Department of Electrical Engineering plays a pivotal role in producing scientists and technologists of highest calibre in the field of electrical engineering ever since the institute was established. With its first batch of students graduated in 1992, the Department is producing Undergraduate (BTech), Postgraduate (M. Tech in Power System Engineering) and Ph.D fellows to cater to the ever challenging needs of technical excellence in all areas of Electrical Engineering. The Department has distinguished faculty members having Ph. D/M. Tech degrees from renowned institutes in India. The infrastructure and laboratory facilities are upgraded from time to time and provide adequate opportunities for students and researches to learn and innovate. The Department also undertakes many research projects sponsored by government. Currently, the department is accredited by NBA.

### Patron

Prof. H.S. Yadav, Director, NERIST

### Chairman

Prof. S.K.Bhagat, HOD,  
Electrical Engineering Department

### Advisors

Dr. R.K.Mehta, Professor (EE)  
Dr. O.P.Roy, Professor (EE)  
Dr. Sarsing Gao, Professor (EE)  
Dr. A.K.Singh, Professor (EE)  
Er. Radak Blange, Associate Prof. (EE)  
Er. T. Vimal Prakash Singh, Associate Prof.(EE)

### Organizing Committee

Dr. M. Deben Singh, Asst. Professor (EE)  
Dr. A. Parida, Asst. Professor (EE)  
Dr. A. K. Das, Asst. Professor (EE)  
Er. N. Loyalakpa Meitei, Asst. Professor (EE)  
Er. Somila Hashunao, Asst. Professor (EE)  
Er. Akhilesh Sharma, Asst. Professor (EE)  
Er. Piyali Das, Asst. Professor (EE)  
Dr. S.K.Tamang, Asst. Professor (ME)  
Er. Nabam Teyi, Asst. Professor (ME)

### Correspondence

P. Devachandra Singh  
Email: pds@nerist.ac.in/ptombel@gmail.com  
Whatsapp/ Mobile: 9862628006

### Host:

Department of Electrical Engineering,  
NERIST, Nirjuli,  
Arunachal Pradesh-791109



# One Week FDP on ELECTRIC VEHICLES

(7<sup>th</sup> Dec to 11<sup>th</sup> Dec 2020)

## Coordinator

P. Devachandra Singh  
Assistant Professor  
Department of EE, NERIST  
Nirjuli, Arunachal Pradesh-791109

## Sponsored by

AICTE, New Delhi  
Under

**AICTE Teaching and Learning (ATAL)**

## Organized by

Department of Electrical Engineering  
North Eastern Regional Institute of Science & Technology  
(Deemed to be University u/s 3 of the UGC Act 1956)  
Nirjuli, Arunachal Pradesh - 791109

## About Programme

The current environmental concerns are driving the world towards development of Electric vehicles to replace conventional ICE vehicles. The distributed generation in the form of microgrids has recently attracted increasing research interest towards making smarter grid. In this venture, integrating Electric vehicles into smartgrid presents number of challenges. This FDP aims at giving the faculties irrespective of their trade, an insight into the basics and recent ideas of electric vehicle's technologies and its integration into electricity smart grid. The sessions will be handled by the experts from academic and industrial institutions. The programme will introduce the applicants to the world of Electric vehicle towards smarter grid through concepts and case studies. It also has some hands on practices/simulation in this field. The objectives of the programme are given under the following contents:

### Topics

- ✓ Basics of EV, HEV, energy storage and charging infrastructure
- ✓ EV drive system, modelling and hands on practices/simulation
- ✓ EV policy, implementation and integration of EV into grid
- ✓ Insight of EV Storage management systems and related infrastructure
- ✓ Recent advancements and future aspects of EV and HEV
- ✓ Hands on sessions on simulation of various EV architecture

## Resource Persons

Experts from IIT Madras, IIT Delhi, IIT Guwahati, other reputed institutes and renowned Industries.

### Guidelines for the participants

- There is no registration fee.
- All faculties, research scholars and staff members from AICTE approved institutions, persons from Govt./Industries are eligible for the programme.
- Number of participants is limited to 200 and will be selected on first-come first-served basis.
- All the sessions will be conducted online through Google Meet.
- Participants are encouraged to use laptop/desktop having quality mic and cam with quality internet connectivity to ensure uninterrupted participation during the sessions.
- The coordinator's decision will be final in the selection of participants.
- **For more detail please visit the website [www.nerist.ac.in](http://www.nerist.ac.in)**



## Registration Process:

- Interested participants need to register online at ATAL portal through the link <https://www.aicte-india.org/atal>
- After registration, one will need to apply selected FDP in the same portal latest by 3<sup>rd</sup> Dec., 2020.
- Shortlisted participants will be intimated via. email by 5<sup>th</sup> Dec., 2020. For more information please visit the website: <https://www.aicte-india.org/atal>

### Eligibility Criteria for Certification

- Attendance should not be below **80%**
- Minimum **60%** score in online quiz to be held on the last day
- Compulsory feedback in ATAL portal
- A digital certificate will be issued by the ATAL Academy downloadable from the ATAL portal on successful completion.

## Important Dates

- **Date of Event: 7<sup>th</sup> Dec – 11<sup>th</sup> Dec 2020**
- **Registration closed: 3<sup>rd</sup> Dec 2020**
- **Intimation to participants: 5<sup>th</sup> Dec 2020 (only email)**