

SRI VASAVI ENGINEERING COLLEGE

(Autonomous)
ORGANIZED BY

Department of EEE

FACULTY DEVELOPMENT PROGRAMME ON
Electric Vehicles & Energy Storage Systems
integrated with Renewable Energy Sources
(23rd – 27th August, 2021)

1. Name:
2. Designation:
3. Institution:
4. Email:
5. Address for Correspondence:
6. Mobile No:
7. Educational Qualifications with specialization:
8. Experience (in years)
Teaching: Research: Industry:

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place:

Date:

Signature of the applicant

Signature of Head of Institution
(With seal)

Targeted Participants

Faculty members, Research Scholars and PG Students of EEE Discipline from AICTE approved educational institutions and industry persons.

Registration

There is no registration fee for participants. Selection will be based on ATAL rules and regulations. Link for registration: <https://atalacademy.aicte-india.org/>

Important Dates:

Last Date of Registration: 15-08-2021

Intimation of Selected Candidates: 18-08-2021

Starting Date of Program: 23-08-2021

Shortlisted participants will be informed through e-mail. The certificate shall be issued to the participants who have minimum 80% attendance and score minimum 60% marks in the test.

Event Platform:

Virtual Mode

Address for Correspondence

Dr. Sudha Rani Donepudi

Convener & Coordinator, Professor and HoD,
Dept. of EEE, Sri Vasavi Engineering College
(Autonomous)

Contact: 9440122061/
hod_eee@srivasaviengg.ac.in



AICTE TRAINING AND LEARNING (ATAL)
ACADEMY

Sponsored Five-day online FDP on

“Electric Vehicles & Energy Storage
Systems integrated with Renewable
Energy Sources”

23rd to 27th August 2021



ORGANIZED BY

Department of Electrical &
Electronics Engineering
SRI VASAVI ENGINEERING
COLLEGE
(Autonomous)

Tadepalligudem, West Godavari (Dist.),
Andhra Pradesh- 534101

www.srivasaviengg.ac.in

About College

"Sri Vasavi Engineering College" was established in the year 2001 by "Sri Vasavi Educational Society" with a desire to share the responsibilities of the society for the development of quality Technical Education. The college, shaping its students into disciplined young citizens of good character and culture lays emphasis on practical experience so as to enable them industry ready. The college is recognized by AICTE and permanently affiliated to JNTU Kakinada and also recognized by UGC under section 2(f) & 12(B). The College got UGC Autonomous status in the year 2018. The college offers UG, PG and Diploma Programs in Engineering (EEE, ECE, CSE, ME, CE, CST, ECT, AI&ML and CSE (AI)) along with MBA. The college is accredited by NAAC with "A" Grade. UG Programs offered by the departments of EEE, ME, ECE & CSE are accredited by NBA.

About the Department

The department was established in the year 2002. The three "E" s stand for Excellence, Expertise and Efficiency of this department. The cardinal priority is to give the students real time experience and help them learning the true functional elements of ELECTRICAL & ELECTRONICS. In its journey of 18 years, it has put many assiduous efforts in providing such training to the students. Although Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics, and electromagnetism, our department has made enormous efforts to give an extra mileage to the students by training them on software design and hardware-software integration so as to create more space for them in the job market.

About FDP

The revolution from traditional gasoline powered vehicles to electric vehicles(EVs) has been a gradual process for some and an exciting leap for others. Boasting features like immediate torque, silent ride, and premium performance, EVs also have lower fuel and maintenance costs. It has advantages like clean alternative, Cost and

Savings, Domestic Energy Independence, etc. So, overall through this FDP you will have basic and in detail idea about Electric Vehicle and Storage Systems. The sessions will be delivered by eminent personalities from training organization, industry persons and Academicians.

Outcomes of FDP

After Completion of FDP, the participants are able to

- Understand the basics of electric vehicles, their architecture, technologies and fundamentals.
- Analyze the use of different power electronic converters, Inverters and motors in electric vehicles.
- Understand the use of different battery systems used for electric vehicles, their technologies and control and select appropriate technology.
- Understand Indian Market policies on Electric Vehicles.

Resource Persons

Eminent speakers from premier institutes like IIT's, NIT's, State Universities and Industry will deliver the lectures.

Topics to be covered:

- Introduction to EV & ESS
- Inverter Schemes for EV drives applications
- Impact of EVs on the grid, V2G and G2V technology
- Motors and their suitability for EVs
- Application of Power Electronics and Control Systems in EVs
- Policies, R&D and deployment roadmap for India with end of life and recycling of EVs
- Energy Source: Batteries, Battery Parameters, Types, Selection, Battery Modelling.
- Electric Vehicle Recharging and Refueling Systems, Battery Management System, Energy Management System, new battery technologies, potential and forecasting.
- Future Technology in EV.

ORGANIZING COMMITTEE

Chief Patrons

Sri. G. Satyanarayana, President

Sri. Ch. V.V. Subba Rao,

Secretary & Correspondent

Patron

Sri. Ch. Apparao, Technical Director

Chairman

Dr. GVNSR Ratnakara Rao, Principal

Convener & Coordinator

Dr. D. Sudha Rani, Professor & HOD, EEE

Co-Coordinator(s)

Mr. U Chandra Rao, Sr. Asst. Professor, EEE

Mr. K. Venkata Reddy, Asst. Professor, EEE

Advisory Committee

Prof. M. suydule, Professor of EE, NITW

Dr. R. Srinivasa Rao, Professor of EEE,

UCEK & Director of Academic and planning, JNTUK

**Dr. K. Ravindra, Associate Professor of EEE,
UCEK, JNTUK**

Prof. Ch. Rambabu, Dean (SA), SVEC(A)