About ATAL Academy

The AICTE ATAL Academy (All India Council for Technical Education – AICTE Training and Learning Academy) is an initiative to enhance the skills of faculty members and students in technical institutions across India. Its mission is to offer high-quality training programs in emerging technologies and fields like AIML, Quantum Computing, Industry 4.0 and 3D printing, etc. The academy provides workshops, faculty development programs, and online courses, aiming to bridge the gap between industry requirements and academia. By fostering innovation and promoting research, ATAL Academy helps in improving the quality of technical education and encouraging lifelong learning.

Eligibility of Participants

The faculty members of the AICTE-approved institutions, Research scholars, PG students, participants from the Government, Industry (Bureaucrats / Technicians / Participants from Industry etc.)

Registration and other details

There is no registration fee for any participant. TA will be provided. Limited accommodation is available subject to availability. Refreshments and lunch will be provided to the participants. The certificates of participation will be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test by the respective ATAL Academy.

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A Six Day AICTE Training and Learning Faculty Development Programme

on

Sustainable Energy Solutions: Emerging Technologies in Electric Vehicles (EVs) and Hydrogen Energy Storage

17th to 22nd August 2026

Sponsored by

AICTE, NEW DELHI
under
AICTE Training & Learning (ATAL) Academy
Organized by

Department of Electrical & Electronics Engineering

S R K R Engineering College (A)
Chinna Amiram, Bhimvaram-534204, AP.

About the institute

Established in 1980, Sagi Rama Krishnam Raju Engineering College (SRKR) is one of the oldest self-financing engineering institutions in Andhra Pradesh, dedicated to providing quality technical education, particularly to rural students. Spread over a 30-acre green campus, the college offers modern infrastructure that supports academic excellence, research, and innovation. With a legacy of 45 years, SRKR continues the vision of its founder, Late Sri Sagi Rama Krishnam Raju, under the leadership of Sri S. Prasad Raju. The institution is committed to developing skilled engineers, researchers, entrepreneurs, and leaders who contribute to society and the nation.

About the Department

The Department of Electrical & Electronics Engineering, established in 1994, offers B.Tech and M.Tech programmes in Power Systems & Automation and Electric Vehicle Technology and is four-time NBA accredited. Recognized as a Research Centre by Andhra University and JNTU Kakinada, the department has experienced faculty, modern laboratories, and advanced research facilities in Electric Vehicles, Renewable Energy, Robotics, and Smart Systems. It has secured major funded projects in EV charging and battery technologies, promotes skill development through PMKVY 4.0, maintains strong industry collaborations, and encourages excellence in internships research, innovation and placements.

About the Program

This Faculty Development Programme focuses on Sustainable Energy Solutions, emphasizing emerging technologies in Electric Vehicles (EVs) and Hydrogen Energy Storage. It provides comprehensive insights into EV architectures, battery systems, power electronics, hydrogen production, storage methods, and fuel cell technologies. The programme integrates expert lectures, simulation-based learning, and case studies to bridge the gap between theory and practice. It also highlights research opportunities, industry trends, and curriculum development to enhance faculty competency in sustainable energy systems.

Topics Covered

- EV Charging Technology
- Thermal Management & EV Motors
- Sustainable Energy Generation: Fuel Cells and Batteries
- Green Hydrogen Technologies: Current Status, Challenges, and Future Opportunities
- Power Electronics & Motor Drives
- Design and Analysis of Advanced Electric Motors for EV Applications.
- Power Conversion Systems for Yellow and Green Hydrogen Electrolysers
- Advanced Power Conversion Systems & Architecture for Intelligent EV Charging
- Advanced Battery chemistries & Computational Material design for Next generation EV
- Emerging Technologies in Autonomous Electric Vehicles: AI, Robotics, and Real-World Deployment
- Hands-on Training/Laboratory Sessions
- Article Discussions and Journal Review
- Industrial Visit – EV Components, BMS & Batteries

Register using the link and QR:

https://atalacademy.aicte-india.org/login

(Signup -> login -> FDPs -> August> search for title>apply this FDP)

The FDP program will be offered in offline mode and is limited to 50 participants.

Resource Persons

1. **Dr. Narsa Reddy Tummuru, IIT Bhubaneswar.**
2. **Dr. Deepak Ronanki, IIT Madras.**
3. **Dr. S.Murali Mohan, NIT Warangal.**
4. **Dr. V.Sandeep, NIT Andhra Pradesh.**
5. **Dr. B.Santosh Kumar, NIT Andhra Pradesh.**
6. **Dr. V.Gowtham, R&D, IFB, Bengaluru.**
7. **Dr. M.Sankara Rao, Nanosol Energy, Hyd.**
8. **Dr. K.Harish, R&D, Hitachi Energy. Chennai.**
9. **Sri G.Rajesh, Airgap Technology Pvt. Ltd., Hyderabad**
10. **Sri Shanmuka Vishnu, BOSON Motors, Chennai.**

Industrial Visit

Radhanu Technologies Private Limited

Address: 3-2-5/2, 2nd Floor, Opposite Kamala Hospital, Near IDBI/ ICICI Bank, Tadepalligudem-534 101.

FDP Application Number: 1775830428
Title of the FDP: Sustainable Energy Solutions: Emerging Technologies in Electric Vehicles (EVs) and Hydrogen Energy Storage
Organizing Institute: Sagi Rama Krishnam Raju Engineering College, Bhimavaram, India.
Date of the FDP: 17th to 22nd August 2026

Session Schedule

Time Slot	Day 1 17-08-2026	Day 2 18-08-2026	Day 3 19-08-2026	Day 4 20-08-2026	Day 5 21-08-2026	Day 6 22-08-2026
9:00 – 9:30	**INAUGURAL Inauguration Ceremony — Welcome address, lighting of lamp, introduction of FDP objectives & expert panel**					
9:30 – 11:00	**SESSION 1** **EV Charging Technology** **Name of The Expert:** Dr. Narsa Reddy Tummuru **Designation & Organization:** Associate Professor, Indian Institute of Technology, Bhubaneswar, India. **Years of Experience:** 15 years	**SESSION 3** **Sustainable Energy Generation: Fuel Cells and batteries** **Name of the Expert:** Dr. Murali Mohan Seepana **Designation & Organization:** Associate Professor, National Institute of Technology Warangal, India. **Years of Experience:** 13 years	**SESSION 5** **Power Electronics & Motor Drives** **Name of the Expert:** Dr. Vuddanti Sandeep **Designation & Organization:** Assistant Professor, National Institute of Technology Andhra Pradesh, Tadepalligudem, India. **Years of Experience:** 16 years	**SESSION 7** **Power Conversion Systems for Yellow and Green Hydrogen Electrolysers** **Name of the Expert:** Dr. Deepak Ronanki **Designation & Organization:** Assistant Professor, Indian Institute of Technology Madras **Years of experience:** 12	**INDUSTRIAL VISIT** **Name Of the Organization:** Radhanu Technologies Private Limited **Complete address with Pin code:** 3-2-5/2, 2nd Floor, Opposite Kamala Hospital, Near IDBI/ ICICI Bank, Tadepalligudem-534 101. **Industry Type:** Designing and Manufacturing of EV Components **Area of Specification:** BMS and Batteries	**SESSION 10** **Advanced EV Battery Chemistries: Materials Design, Fabrication, Electrochemical Performance Computational Material for Next Generation EV Batteries** **Name of the Expert:** Dr. Santosh Kumar Behara **Designation & Organization:** Assistant Professor & HOD, National Institute of Technology Andhra Pradesh, Tadepalligudem, India. **Years of Experience:** 10 years
11:00 – 11:10 Tea Break						
11:10 – 12:00						
12:00 – 1:00	**ARTICLE DISCUSSION** **EV Market & Policy Review**	**ARTICLE DISCUSSION** **Battery Technology Review**	**ARTICLE DISCUSSION** **EV Powertrain Research**	**ARTICLE DISCUSSION** **Hydrogen Economy Review**		**ARTICLE SUMMARY**
1:00 – 2:00 (Lunch Break)						
2:00 – 3:30	**SESSION 2** **Thermal Management & EV Motors** **Name of the Expert:** Mr. Rajesh Gudivada **Designation & Organization:** CEO-Airgap Technology Private Limited **Year of Experience:** 17 Years	**SESSION 4** **Green Hydrogen Technologies: Current Status, Challenges, and Future Opportunities** **Name of the Expert:** Dr. Sankara Rao Mutyala **Designation & Organization:** Director and CTO, Nanosol Energy Private Limited, Hyderabad, India. **Experience:** 12 years	**SESSION 6** **Design and Analysis of Advanced Electric Motors for EV Applications** **Name of the Expert** Dr. Vegireddy Gowtham **Designation & Organization:** Manager - Research & Development, IFB Industries Limited, Bangalore, India. **Years of Experience**: 10 Years	**SESSION 8** **Advanced Power Conversion Systems & Architecture for Intelligent EV Charging** **Name of the Expert:** Dr. Harish Karneddi **Designation & Organization:** R&D Senior professional, Hitachi Energy **Years of experience:** 10 years	**SESSION 9** **Emerging Technologies in Autonomous Electric Vehicles: AI, Robotics, and Real-World Deployment** **Name of the Expert:** Mr. Shanmuka Vishnu **Designation & Organization:** Engineering Manager, Robotics at Boson Motors India, Chennai, India **Year of Experience:** 10 Years	**MCQ & Reflection Journal**
3:30 – 3:40 Tea Break						
3:40 – 4:30						
4:30 – 5:30	**Hand on Training/ Labs**	**Hand on Training/ Labs**	**Hand on Training/ Labs**	**Hand on Training/ Labs**	**Hand on Training/ Labs**	**Valedictory Session**