

Registration Details

Registration Link

Online registrations should be done through the following link

<https://forms.gle/CxT4ZVyoRexMwH46>

Registration Fees : Rs. 300/- (For ISTE Member)

Rs. 250/- (For Non-ISTE Member)

Payment Mode : G-Pay / PhonePe

Mobile No : 9405674377

Name : Anurag Dipak Bhandarkar

QR CODE :



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Sipna Shikshan Prasarak Mandal's

SIPNA

COLLEGE OF ENGINEERING AND TECHNOLOGY, AMRAVATI

(An Autonomous Institute - Affiliated to SGBAU, Amravati)

Approved by AICTE, New Delhi

Accredited by NAAC, NBA, IAO and An ISO 9001 : 2015 Certified Institute



AICTE - ISTE Approved (Self Financed)
ISTE/Proceedings/FDP/Online Prog./STTP-SF-MAH114/2025-26

ONE WEEK - ONLINE SHORT TERM TRAINING PROGRAMME (STTP)

Session: 2025-2026

On

"Electric Vehicles: A Multi-disciplinary Approach to Future Mobility"

In Association with:



IEI, Maharashtra State Centre, Amravati Local Center
&

IETE, New Delhi

Date: 5th to 9th January 2026

Organized by

Department of Mechanical
Engineering



About the Institute

Sipna Shikshan Prasarak Mandal (SSPM), established in 1995, is committed to impart quality higher and technical education to shape a better future for young minds. Under its umbrella, SSPM successfully runs undergraduate, postgraduate, management, and doctoral programs through various institutions affiliated with Sant Gadge Baba Amravati University, Amravati. Sipna College of Engineering & Technology (SCOET), established in July 1999, is an autonomous (from AY 2024–25), unaided engineering institute located in Amravati, Maharashtra. The institute is approved by AICTE, New Delhi, and affiliated with Sant Gadge Baba Amravati University. SCOET holds NAAC A+ accreditation, NBA accreditation for five UG programs (CSE, E&TC, IT, Civil, and Mechanical Engineering), and is certified under ISO 9001:2015, ISO 14001:2015, and ISO 17025:2005. The institute is also an AICTE Margadarshan Mentee Institute of COEP Technological University, Pune, and a proud member of the Confederation of Indian Industry (CII). With modern infrastructure and innovative teaching methodologies, Sipna is dedicated to developing skilled, confident graduates ready to meet the challenges of a dynamic professional world.

About the Department

The evergreen branch in engineering stream finds its way from the day the stone-age man chiseled his first tool for progressing towards the artificial hands which holds the tool. The fold of mechanical engineering has come a long way. Today, apart from the core areas like the automobile industry, mining, aerospace engineering and material sciences, a mechanical engineer finds his utility in areas such as Medical Sciences, the IT industry and banking sectors. Mechanical engineering curriculum is diverse and it is central to so many modern industries (e.g. Aerospace, Shipping, Defense Armaments, Refrigeration and Air Conditioning, Biomedical, Automobile, Mechatronics, etc.) and hence mechanical engineers are employed in a wide range of engineering endeavours, from initial research and development of a product to manufacturing and marketing. In a way, mechanical engineers are involved in creating the future. The work of a Mechanical Engineer can be extremely challenging and fulfilling, requiring IT, design and analytical skills together with an ability to work in multidisciplinary teams.

About the STTP

The global shift towards sustainable transportation has made Electric Vehicles (EVs) a key technology for future mobility. EVs involve the integration of mechanical systems, electrical machines, power electronics, energy storage, control systems, materials, and environmental considerations. This One-Week Short Term Training Programme (STTP) is designed to provide a multidisciplinary overview of electric vehicle technologies, covering fundamentals, recent developments, challenges, and future trends. The programme will be delivered by experienced academicians and industry experts, offering valuable insights for teaching, research, and industrial applications.

Objectives

This Short Term Training Programme is to enhance participants' understanding of electric vehicle technologies through a multidisciplinary approach, enabling them to effectively contribute to education, research, and industry practices in the domain of sustainable and future mobility. The main objectives are;

- Impart fundamental and advanced knowledge of EV architecture and systems.
- Expose participants to recent advancements, challenges, and standards in EV technology.
- Promote interdisciplinary learning across mechanical, electrical, electronics, and control domains.
- Encourage research, innovation, and skill development in electric mobility.
- Bridge the gap between academic knowledge and industrial practices in EVs.

Outcomes

- Understand EV architecture, components, and operating principles.
- Analyze key EV subsystems including powertrain, batteries, charging, and thermal management.
- Apply multi-disciplinary knowledge to practical and research problems in electric mobility.
- Identify emerging trends, research gaps, and innovation opportunities in EV technologies.
- Enhance teaching, research, and professional competence in sustainable and future mobility.

Keynote Speaker

Mr. Ranjit Band

(CEO, ASPA Bandsons Auto Pvt. Ltd., Amravati)

Resource Person

Dr. Abhishek Das

(IIT Delhi)

Topic : Sustainable Manufacturing Pathways for EV Battery Interconnects Using Ultrasonic Welding

Dr. C. Bharatiraja

(SRM Institute of Science & Technology, Chennai, TN)

Topic : Wireless EV Charging Infrastructure

Dr. M. R. Nandgaonkar

(COEP Technological University, Pune)

Topic : Thermal Management of EV

Dr. Makarand M. Lokhande

(VNIT, Nagpur)

Topic : Motors for EV: Recent Trends

Dr. Pradyumn Chaturvedi

(VNIT, Nagpur)

Topic : EV Charging Infrastructure for Future Ready Grid

Dr. A. S. Dhoble

(VNIT, Nagpur)

Topic : Battery Thermal Management & Testing

Dr. Ritesh Keshri

(VNIT, Nagpur)

Topic : Electric Vehicle Subsystems

Dr. G. K. Awari

(Govt. Polytechnic, Nagpur)

Topic : An overview on EV Technology in India

Dr. Yogesh G. Joshi

(Ramdeobaba University, Nagpur)

Topic : Role of Machine Learning in Battery Management, Performance & Optimization

Dr. Eshant G. Rajgure

(Sipna COET, Amravati)

Topic : Fundamentals of Electrical Engineering: EV perspective

Target Audience

Research Scholars, Working Professionals, Faculty members of UGC/AICTE recognized Universities, Engineering and Polytechnic Colleges from all over India and UG & PG Students.