**One Week Short-Term Course**

**on**

# Electric Vehicles and Environmental Sustainability-2026 (EVES-2026)

**16th –20th February 2026**

**Offline Mode**

## Organized by

Department of Electrical Engineering
Rajkiya Engineering College Ambedkar Nagar-224122 (U.P.)


## Objectives of the STC

The objective of this Short-Term Course is to provide participants with a comprehensive understanding of electric vehicle technologies and their role in environmental sustainability. The course aims to familiarize participants with EV architecture, powertrain components, energy storage systems, charging infrastructure, smart charging, and renewable energy–based EV solutions. It also focuses on evaluating environmental impacts through the life cycle, creating awareness of current policies standards, encouraging research, innovation, and sustainable transportation practices.

## STC Outline

- Global Energy Scenario & Environmental Sustainability
- EV Architecture and Powertrain Technologies
- Electric Motors and Drives for EVs
- Battery Technologies
- Energy Storage Systems
- Recycling of Batteries
- Renewable Energy Integrated EV Systems
- AI and Machine Learning Applications in EVs
- EV Charging Infrastructure and Standards
- Smart Grid Interaction with EVs
- Future Trends in Smart EV and Autonomous Mobility

## Beneficiaries

The Short-Term Course will provide insights to industry professionals, faculty members, research scholars and students by enhancing their knowledge of electric vehicle technologies and environmental sustainability. Participants will gain exposure to EV systems, charging infrastructure, grid integration, and renewable energy based solutions. Energy issues, Environmental issues and their sustainable solutions will also be discussed.

## About REC Ambedkar Nagar

Rajkiya Engineering College Ambedkar Nagar is a government engineering college established in 2010 by the Government of Uttar Pradesh and affiliated to AKTU Lucknow. The college offers undergraduate B.Tech. programs in Civil Engineering, Electrical Engineering, and Information Technology, along with all branches of Applied Science and Humanities approved by AICTE New Delhi. The campus is located on Tanda Road near Hawai Patti, Akbarpur city. The students are extensively exposed to a cross-cultural environment as candidates from various other States such as Jammu & Kashmir, Ladakh, Madhya Pradesh, and Rajasthan, etc. join REC for various undergraduate programs. REC Ambedkar Nagar is a fully residential institution for boys and girls.

## Department of Electrical Engineering

The Department of Electrical Engineering offers a dynamic and supportive academic environment that emphasizes teaching excellence, research, and innovation. It was established in 2010 and got NBA accredited in 2021 till 30 June 2027. The department is committed to delivering high-quality undergraduate education in core areas of Electrical Engineering, including power systems, control systems, power electronics, and electrical machines. The department focuses on strengthening students' theoretical foundations and practical competencies through well-equipped laboratories, modern teaching practices, and the guidance of seven experienced and dedicated faculty members. A Centre of Excellence for the Renewable Energy Laboratory was established in 2019, which supports advanced teaching and research activities in emerging areas of power and energy systems. The department also offers PhD programs, fostering high-quality research and innovation.

## Chief Patron

Prof. JP Pandey

Hon'ble Vice Chancellor, AKTU Lucknow

## Patron

Shri Narendra Bhooshan, IAS

ACS, Department of Technical Education (Govt. of UP)

## Co-Patron

Prof. Dhananjay Singh

Director REC Ambedkar Nagar

## Guest of Honour

Prof. GS Tomar

Director REC Sonbhadra

## Convener

Dr. SP Singh (Head, EE)

## Coordinator

Mr. Sonu Kumar (EE)

## Co-Coordinators

Dr. Sanjay Agrawal (EE)

Dr. Lokesh K. Yadav (EE)

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Dr. Mohd Aslam Husain (EE)

Dr. Yudhishthir Pandey (EE)

Miss Jyoti Kushwaha (NICE Foundation)

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Dr. Devendra Pratap Mishra, *APSH*

## Registration

There is no registration fee for participants. Registered participants will receive a confirmation email latest by 10.02.2026 to attend the STC. Candidates have to arrange their own accommodation. Certificates will be issued to the eligible participants on the completion of course.

## Registration link

https://forms.gle/jLEhzuEQG7oLtS9n9

**Last date of Registration: 10th February, 2026**

## For queries kindly contact:


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## Address


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## Eminent Speakers

**Prof. JP Pandey**
Hon'ble VC AKTU Lucknow

**Prof. K S Verma**
Director REC Mirzapur

**Prof. GS Tomar**
Director REC Sonbhadra

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MMMUT Gorakhpur

**Dr. Anshul Agrawal**
BBAU Lucknow

**Dr. Balendu Shekhar Giri**
UPES Dehradun

**Dr. Navdeep Singh**
MMMUT Gorakhpur

**Dr. Pradeep Kumar**
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**Dr. Vijay Pratap**
REC Sonbhadra

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