

## Registration Form

### **ONE WEEK SHORT TERM TRAINING PROGRAMME**

on

### **Recent Advances in Electric Vehicles, Charging Infrastructure and EV Drives**

**(06 July 2026 – 10 July 2026)**

Please register via Google Form:

[Link for Registration](#)

#### **Registration Fees**

Students/ISTE Members	: Free
Faculty	: Rs.1000/-
Industry Professionals	: Rs.2000/-

#### **STTP Registration Fee Payment Process**

Visit SBI Collect → Accept the terms and click Proceed → Select State, Educational Institutions → choose the institute name → SHRI GURU GOBIND SINGHJI INST OF ENGG AND TECH NED → Select STTP (Electrical) as the payment category → Enter the required details and registration fee amount. → Verify the information and proceed to payment.

**Last Date for Registration: 30 June 2026**  
**Payment**

**Maximum Participants: 40**

<b>Session Timing</b>	
<b>Morning</b>	<b>Afternoon</b>
<b>09:30 AM – 11:00 AM</b>	<b>02:00 PM - 4:00 PM</b>
<b>11:30 AM - 01:00 PM</b>	

### **CHIEF PATRON**

**Dr. Vinod M. Mohitkar**

*Director, Directorate of Technical Education,  
Maharashtra.*

### **PATRON**

**Prof. Manesh B. Kokare**

*Ph.D. (IIT Kharagpur)  
Director, SGGSIET, Nanded*

### **CONVENER**

**Dr Siddhant M. Gudhe**

*Head, Department of Electrical Engineering*

### **COURSE COORDINATORS**

**Dr. Paramjeet Singh Jamwal**

*Assistant Professor,  
Department of Electrical Engineering*

**Dr. Srinivas Nagaballi**

*Assistant Professor, Dept., EE*

**Mr. Satish Jamraj**

*Assistant Professor, Dept., EE*

### **CONTACT US**

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**ISTE Approved**

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EDUCATION OF HUMAN FOR TECHNOLOGICAL EXCELLENCE  
उत्कृष्ट तंत्रज्ञानार्थ जनशक्तै शिक्षणं

**Organized By**

**Department of Electrical Engineering**

**SGGS Institute of Engineering &  
Technology, Vishnupuri,  
Nanded, Maharashtra-431606**

## ONE WEEK SHORT TERM TRAINING PROGRAMME

### on Recent Advances in Electric Vehicles, Charging Infrastructure and EV Drives

#### Resource Persons

- Dr. Manoja Kumar Behera, MANIT Bhopal
- Dr. T. S. Bheemraj, MANIT Bhopal
- Dr. Rahul Arora, RGPV University, Bhopal
- Dr. S M Gudhe, SGGSIET, Nanded
- Dr. P S Jamwal, SGGSIET, Nanded
- Dr. S Nagaballi, SGGSIET, Nanded
- Mr. S S Jamraj, SGGSIET, Nanded

#### Course Contents

- Electric Vehicle Technologies and Charging
- BLDC Motor Drives Power Electronic Converters
- MATLAB/Simulink based EV Simulation
- *LTspice* and *TINA-TI* based EV Converter Design

#### Structure of the Programme

Component	Details
Expert Lectures	3 Days
Hands-on BLDC Motor Simulation	1 Day
Hands-on LTspice & TINA-TI	1 Day

**Note: STTP will be offline mode only.**

**75 % attendance is compulsory for certificate.**

**Accommodation shall be provided inside campus for outside Nanded participants**

## Objectives the STTP

- ❖ To provide knowledge of recent advancements in Electric Vehicles and charging infrastructure.
- ❖ To understand EV propulsion systems, charging systems, and EV drives.
- ❖ To provide hands-on training on BLDC motor simulation using MATLAB/Simulink.
- ❖ To develop practical skills in EV power converter design using LTspice and TINA-TI.
- ❖ To bridge the gap between academic learning and industrial applications.
- ❖ To promote research and innovation in Electric Vehicle technologies.

## Who May Be Benefitted

Faculty Members, PG Students, UG Students Research Scholars, Industry Professionals from, Electrical, Electronics, Mechanical, Mechatronics, and allied disciplines.

## Major Themes of the STTP

- ❖ Fundamentals of Electric Vehicles
- ❖ EV Architecture and Powertrain
- ❖ Battery Technologies and Battery Management Systems
- ❖ EV Charging Infrastructure and Charging Standards
- ❖ Fast Charging and Smart Charging Technologies
- ❖ Vehicle-to-Grid (V2G) Technology
- ❖ BLDC Motor Drives for EV Applications
- ❖ Power Electronic Converters in EVs
- ❖ MATLAB/Simulink based EV Simulation
- ❖ *LTspice* and *TINA-TI* based Converter Design
- ❖ Recent Research Trends in Electric Vehicles

## About the Institute



Established in 1981, Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIET), Nanded, is one of the promising leader institutions in technical education, research and technology transfer. Since its inception, the institute is dedicated to students' centric learning and believes in pursuing academic excellence. It is having neat, clean and green campus spread over land of 46 acres. It receives 100% grant-in aid from Government of Maharashtra.

The autonomous institute offers undergraduate, postgraduate, and Ph.D. programs with strong support from organizations such as AICTE, DST, and TEQIP, and has developed advanced laboratories and centers of excellence in areas like Signal and Image Processing, VLSI, Metal Forming, and Solar Energy.

With over 1200 research publications, patents, strong placement records, active alumni networks, modern hostels, extensive library resources, sports facilities, and campus-wide high-speed internet, the institute provides a comprehensive environment for academic, professional, and personal development.