

## REGISTRATION FORM

A Five Day Online  
Faculty Development Program on  
**“Electric Vehicles-  
Technologies and Challenges”**  
(EVTC-2021)  
**18<sup>th</sup>-23<sup>rd</sup> October 2021**

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Department : \_\_\_\_\_

Institution Name: \_\_\_\_\_

Address: \_\_\_\_\_

Pincode: \_\_\_\_\_

Mobile: \_\_\_\_\_

E-Mail: \_\_\_\_\_

IEEE Membership No: \_\_\_\_\_

Signature of Applicant

Signature of Head  
of Institution

### Eligibility:

This program is designed for faculties, research scholars/PG scholars from AICTE approved educational institutions, also participants from industry are encouraged to participate in this FDP.

### Important Dates:

Last Date of Registration - 16/ 10/ 2021

Notification of Selected Participants-16/10/2021

(Selection will be on first come –first serve basis)

### Registration:

No Registration Fee

The number of participants is limited to 200.  
The selection is based on first come first serve basis.

### Google form for Registration:

<https://forms.gle/13FtTAu1bN1Pvi3t9>

### ADDRESS FOR ALL CORRESPONDENCE

Dr. G.Sreenivasa Reddy, M.Tech, Ph.D, MIEEE,

Coordinator

Assistant Professor

Department of Electrical & Electronics Engineering  
G. Pulla Reddy Engineering College (Autonomous)  
KURNOOL - 518 007, Andhra Pradesh, India.

**Mobile: +91-8106015354,**

**+91-9490011691**

**E-mail: [evtc2021.eeegprec@gmail.com](mailto:evtc2021.eeegprec@gmail.com)**

**[gsreddy.eee@gprec.ac.in](mailto:gsreddy.eee@gprec.ac.in)**



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Faculty Development Program on  
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**18<sup>th</sup> 23<sup>rd</sup> October 2021**

Organized by

**Department of Electrical &  
Electronics Engineering  
GPREC IEEE IAS Student  
Branch chapter (SBC-15721B)**

In association with  
**EEE Department Association  
(EELS)**



**G. Pulla Reddy Engineering College  
(Autonomous)**

Accredited by NBA of AICTE and NAAC of UGC  
& Affiliated to JNTUA, Ananthapuramu  
KURNOOL – 518007, Andhra Pradesh,

## ABOUT THE COLLEGE

The College is the brainchild of the renowned philanthropist, Late Sri G. Pulla Reddy. Established in 1985 and managed by G. Pulla Reddy Charities Trust. The college is affiliated to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu and approved by AICTE & accredited by NBA of AICTE and NAAC of UGC. The college offers Under Graduate Programmes in Nine Engineering branches and three Post Graduate programmes. The college is situated on Kurnool – Chittoor National Highway No.18. Kurnool is well connected by Air, Rail and Road. The places of interest nearby are Srisailam, Alampur, Mahanandi, Mantralayam, Ahobilam and Belum Caves.

## ABOUT THE DEPARTMENT

The department of Electrical & Electronics Engineering was started in 1994. The department has excellent infrastructure facilities, laboratories and faculty. Also the department offers Labview Academy programmes and various industry related trainings.

## INDUSTRY APPLICATIONS SOCIETY (IAS)

The IEEE IAS Chapter is a technical sub-unit of IEEE USA headquarters. This Chapter provides IAS members with the opportunity to meet and learn from fellow IEEE members. Also provides interest in advancement in engineering in the development, design and application of electrical apparatus, controls to the processes and equipment of industry. This society promotes safe, reliable and economic installations; industry leadership in energy conservation and environmental issues. IAS Society's goal is to keep members current and competitive in the workplace, and provide them with the tools necessary to help them grow both personally and professionally.

## ABOUT THE FDP:

The objective of the Faculty Development Program (FDP) “**Electric Vehicles-Technologies and Challenges (EVTC-2021)**” is to provide the platform for the upcoming researchers, faculty and industry professionals who are willing to work in

the areas of Electric Vehicles, converters in HEV's, Battery Charging Systems etc. This FDP will offer a unique opportunity to all the participants in getting awareness in the relevant topics of electrical vehicles.

## RESOURCE PERSONS:

### Dr.U.K. Chowdary

BHEL- Hyderabad (Retired)  
Director - Incubation & Innovation Centre, CBIT,  
Hyderabad, Telangana.

### Dr. B.P.Muni

G.M (T&PD) BHEL– Electronic Division  
BHEL Bengaluru, Karnataka

### NVPR.Durga Prasad

BHEL- Hyderabad (Retired)

### Dr. B. Prathap Reddy PhD (IITH),

Postdoctoral Research Fellow (Qatar University).  
Inspire Faculty, IISC, Bengaluru, Karnataka

### Mr.Suraj Yernagu

Associate Program Manager (Specialist)  
Robert Bosch Engineering & Business Solutions Pvt  
Ltd, Bengaluru.

## TOPICS TO BE COVERED

- Introduction to Electric Mobility, Policy, Guidelines, World scenario, Trends and Challenges
- An overview of Vehicle to Grid (V2G) Technology.
- EMI/EMC in Electric Vehicles.
- Charging solutions for Electric Vehicles.
- Multiphase power trains for Electric Vehicles.
- Battery Technologies in Electric Vehicles (overview).
- Battery Management System in Electric Vehicles.

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# “Electric Vehicles- Technologies and Challenges”

(EVTC-2021)

18<sup>th</sup>-23<sup>rd</sup> October 2021

**Chairman: Sri. P. Subba Reddy**

**Chief Patron: Dr. B. Sreenivasa Reddy,**  
Principal, GPREC, Kurnool

**Patron: Dr. T. Bramhananda Reddy**  
Prof & Head, EEE dept

**Branch Counselor : Dr.C.Harinatha Reddy,**  
Associate Professor, EEE Dept

**Coordinator: Dr. G.Sreenivasa Reddy,**  
Assistant Professor, EEE Dept

**Co Coordinator: Dr.G.Venkata Subba Reddy,**  
Assistant Professor, EEE Dept

### Advisory Committee:

Dr. U.K. Chowdary  
Dr. Y. V. Siva Reddy, Professor  
Dr. K. Sri Gowri, Professor  
Dr. M. Siva Sathyanarayana, Assoc. Professor

### Organizing Committee:

Dr. N. Ravi Sankar Reddy	S. Anil Kumar
Dr. V. Ananthalakshmi	B. Amarnatha Naidu
Dr. G. Kishor	Smt. G. Haritha
Dr. G. Sateesh	A. Pradeep Kumar Yadav
Dr. Abid Nayeemuddin	E. Sreenadh
Dr. M. Harshavardhan Reddy	B. Raghavendra Reddy
Dr. B. Urmila	M. Sreenivasa Reddy