



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING

(Autonomous)

Approved by AICTE & Affiliated to Andhra University, Visakhapatnam from 2022-23

(Affiliated to JNTUK, Kakinada upto 2021-22)

Accredited by NAAC at 'A++' Grade for 7 years in the 3<sup>rd</sup> Cycle



## ABOUT GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING (AUTONOMOUS)

Gayatri Vidya Parishad (GVP) was established in the year 1988 as an educational trust by a group of eminent educationists, academicians & industrialists to empower the younger generation through high quality technical education. The Engineering education by GVP society was first originated by establishing Gayatri Vidya Parishad College of Engineering (GVPCE) with the divine blessings of Sadguru Sri. K. Sivananda Murthy Garu. The institute has flourished in various facets of Academics and Research by achieving the pinnacle of success. This institute is offering 10 B. Tech, 5 M. Tech and one MCA programme under the affiliating University, Andhra University. The college has brought in many initiatives for the benefit of students with autonomous status granted by UGC in 2009. The status of autonomy is further extended by UGC up to 2025. The institute has been reaccredited by NAAC with 'A++' grade. All the eligible seven B. Tech programmes are accredited by NBA at least twice. The institute received funds to the tune of Rs5 crores under Technical Education Quality Improvement Programme (TEQIP), S.C-1.2. The college received Rs.12 crores from funding organizations AICTE / DST / NBHM/ARB etc, towards 45 R&D projects. The institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum with practical and real-world experiences.

## ABOUT DEPARTMENT OF EEE:

The Department of Electrical & Electronics Engineering (EEE) was established in the year 1996. The department offers one B. Tech and one M. Tech Programme. Highly qualified and experienced faculty with 9 doctorates and 10 pursuing Ph.D. from reputed institutes are the strength of the department. The Department has 10 state of the art laboratories with a total investment of more than 3.5 crores. The department undertakes consultancy projects for industries and actively involved in various research projects worth Rs 2.63 crore funded by MNRE, AICTE, HBL Hyderabad and other organizations. The department was accredited by NBA for 5 times with its recent accreditation in 2022 for 3 years. Andhra University has recognized the department as a Research Centre.

**About Faculty Development Program:** The program aims to gather knowledge from rich industrial resources, eminent academicians based on their experience under the theme energy, sustainability and climate change with focus on innovations in energy and transportation related to Microgrids, Autonomous Systems and Sustainable technologies. The participants will learn about electrical vehicles, battery technologies and state of art infrastructure Management.

**Who Should Attend:** The program is open to faculty members in AICTE approved Engineering colleges with ISTE membership.

**Bank Details :** A/C Name : GVP College of Engineering, A/C No. : 191911100000964, IFSC Code : UBIN0819191, Union Bank of India, Komadi Branch, Visakhapatnam.

### PATRONS

Prof. Dr. Ing. P. Srinivasa Rao, FNAE, FAPAS  
B.Tech.(Hons), M. Tech, Dr. Ing(Munich)  
President, GVP.

Dr. P. Soma Raju,  
M.A, Ph.D. (AU), Secretary, GVP.

Dr. A.B. Koteswara Rao,  
Ph.D. (IIT-D ), Principal, GVPCE(A).

Dr. A. SyamSundar,  
Ph.D. (IIT-KGP) , Vice Principal, GVPCE(A).

### COORDINATORS

Dr. G.V.E.Satish Kumar,  
Professor & HoD, Dept of EEE.  
Dr. K.Srikanth,

Associate Professor, Dept of EEE.

### Organized by

Department of Electrical and Electronics  
Gayatri Vidya Parishad College of Engineering

### Registration Link

<https://forms.gle/UknnjKuKKxxv6Zsy5>

Registration Fees : 600 INR

For Further Details

Contact : 9440897892

E-mail: [kavirayanisrikanth@gvpce.ac.in](mailto:kavirayanisrikanth@gvpce.ac.in)

**FDP Thrust Area: Energy, Sustainability and Climate Change.**






**FDP Title: Innovations in Energy and Transportation: Microgrids, Autonomous Systems, and Sustainable Technologies**





Day 1: 24-02-2025	Day 2: 25-02-2025	Day 3: 26-02-2025	Day 4: 27-02-2025	Day 5: 28-02-2025	Day 6: 01-03-2025
2:30PM to 3:00PM  <b>Inaugural Session</b>	3:00PM to 5:00PM <b>Session 3</b> Topic: Lithium Ion Batteries and Circular economy. Name of the Expert: Phani Kumar Tadigadapa Designation & Organization: CEO, Comuti Energy Pvt Ltd, Hyderabad. Years of Exp: 18	3:00PM to 5:00PM <b>Session 5</b> Topic: An Overview of Power Circuit Topologies for DC Chargers. Name of the Expert: Dr. B. Eswara Rao Designation & Organization: Additional GM BHEL /R&D Hyderabad. Years of Exp: 15	3:00PM to 5:00PM <b>Session 7</b> Topic: Solar PV based EVCS for Micro-grid Applications. Name of the Expert: Dr. C. V. K. Bhanu Designation & Organization: Professor & Dean, IQAC, GVPCE(A). Years of Exp: 32	3:00PM to 5:00PM <b>Session 9</b> Topic: Life Cycle of Sustainable Electrical Systems Name of the Expert: Dr. Edwin Vijay Kumar Designation & Organization: Professor , GVPCE(A) Years of Exp: 8	10:00 AM to 12:00 P.M  <b>Online Examination</b>
3:00PM to 5:00PM <b>Session 1</b> Topic: Microgrid Technologies. Name of the Expert: Dr. B. Kalyan Kumar Designation & Organization: Professor EED, IIT Madras Years of Exp: 20	6:00PM to 8:00PM <b>Session 4</b> Topic: Power Electronics to Energy Systems Name of the Expert: Rajesh Sura Designation & Organization: CEO, Innerv Power Solutions Pvt Ltd, Bangalore. Years of Exp: 15	6:00PM to 8:00PM <b>Session 6</b> Topic: Control Mechanisms to Micro-grid and EV Applications. Name of the Expert: Dr. G. V. E. Satish Kumar Designation & Organization: Professor & Head dept of EEE, GVPCE(A) Years of Exp: 23	6:00PM to 8:00PM <b>Session 8</b> Topic: Electric Vehicle Charging Infrastructure. Name of the Expert: Dr. J. Ramesh Rahul Designation & Organization: Assistant Professor, GVPCE(A). Years of Exp: 8	5:30PM to 7:30PM <b>Session 10</b> Topic: Granular Computing for Engineering Applications.  Name of the Expert: Dr. K. Srikanth Designation & Organization: Associate Professor, GVPCE(A) Years of Exp: 17	
6:00PM to 8:00PM <b>Session 2</b> Topic: Transient States in High Capacity Fans and Compressors (Energy Concern) Name of the Expert: M. S. Krishna Mohan Designation & Organization: GM (Automation), Vizag Steel Plant, Visakhapatnam. Years of Exp: 30				7:30PM to 8:00PM  <b>Valedictory</b>	

# Faculty Development Program on Innovations in Energy and Transportation: Microgrids, Autonomous Systems and Sustainable Technologies

Feb 24-28, 2025

Organized by Department of EEE

S.No	Name of the Faculty/Industry Expert	Affiliation	Title	Photo
1	Dr. B. Kalyan Kumar	Professor, Dept of EEE, IIT Madras	Microgrid Technologies	
2	Mr. M. S. Krishna Mohan	GM (Automation) Vizag Steel Plant, Visakhapatnam	Transient States in High Capacity Fans and Compressors (Energy Concern)	
3	Mr. Phani Kumar Tadigadapa	CEO, Comuti Energy Pvt Ltd	Lithium Ion batteries and Circular Economy	
4	Mr. Rajesh Sura	CEO, Innerve Power Solutions Pvt Ltd, Bangalore	Power Electronics to Energy Systems	
5	Dr. B. Eswara Rao	Additional General Manager BHEL/R&D Hyderabad	An Overview of Power Circuit Topologies for DC Chargers	

S.NO	Name of the Faculty/Industry Expert	Affiliation	Title	photo
6	Dr. G. V. E. Satish Kumar	Professor & Head - Dept of EEE , GVPCE(A)	Control Mechanisms to Microgrid and EV Applications.	
7	Dr.C. V. K. Bhanu	Professor & Dean , IQAC GVPCE(A)	Solar PV based EVCS for Micro-grid Applications.	
8	Dr. Edwin Vijay Kumar	Professor GVPCE(A)	Life Cycle of Sustainable Electrical Systems	
9	Dr. J. Ramesh Rahul	Assistant Professor (GVPCE(A)	Electric Vehicle Charging Infrastructure	
10	Dr.K. Srikanth	Associate Professor (GVPCE(A)	Granular Computing for Engineering Applications.	