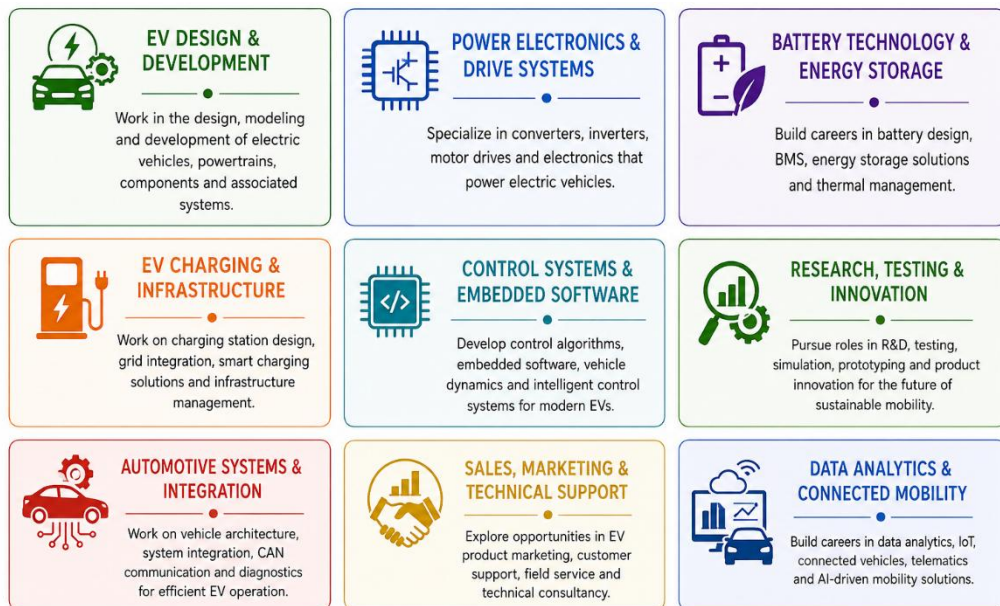


HOW THIS PROGRAMME BENEFITS YOU:

- Builds a strong Electrical Engineering Foundation
- Connects Electrical Engineering with Industry
- Opens doors to multiple EV and energy industries
- Develop modern technical and digital skills
- Creates opportunities for innovation in electric mobility

CAREER PATHWAYS:



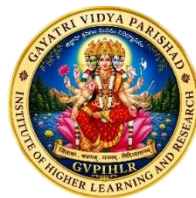
OUR PAST RECRUITERS:

L&T India	GE Lighting (India)	Tessolve	TCS
TATA Steel	Moschip	Stantec	Infosys
Bosch	Medha Servo Drives	IMEG	Wipro
Hyundai Mobis	Continental AG	Veda IIT	Cognizent
Caterpillar	Dynolt Technologies	Coromandel Fertilizers	Capgemini

ROLES OF DISTINGUISHED GVP ALUMNI

- Director, Finance - Stanford University
- Scientists – NSTL, DRDO & ISRO
- Civil Servants – IES, IRS & IPS
- Senior Manager – NTPC, Vizag Steel Plant, APEPDCL & APTRANSCO
- Senior R & D Engineer –BHEL , Hitachi & TCS
- Faculty and Researchers at leading institutions / IITs

GVP Estd. 1988



GVPIHLR Estd. 2026

GAYATRI VIDYA PARISHAD INSTITUTE OF HIGHER LEARNING AND RESEARCH

*(Deemed to be University under Distinct Category
under section 3 of the UGC Act, 1956)*

Kommadi, Madhurawada, Visakhapatnam - 530 048, Andhra Pradesh

School of Electrical and Electronics Engineering

Department of EEE (Electric Vehicles)

B.Tech.EEE (Electric Vehicles) (GVPIHLR-Main Campus, Kommadi)

Brochure

Vision

:

- ☞ To be a Center of High-Quality Education and Research in the field of Electrical and Electronics Engineering.

Mission

:

- ☞ To impart high quality education and enhance students' skills to meet the upcoming needs by introducing concurrent trends in curriculum and through collaborative industry-institute interaction.
- ☞ To promote creativity and innovation among faculty and students through development of research facilities.
- ☞ To mould the students into responsible citizens with social, ethical and environmental awareness.

Contact details:

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Email : satish.gvpihlr@gmail.com, rahul.gvpihlr@gmail.com
Website :

GAYATRI VIDYA PARISHAD (GVP)

Established in 1988 in Visakhapatnam with a commitment to value-based education, academic excellence and service to society, offering UG and PG programs covering Science, Technology, Engineering, Management, Healthcare, Arts and Humanities.

GVP INSTITUTIONS OFFERING HIGHER EDUCATION

- GVP College for Degree and PG Courses (Estd. in 1989)
- GVP College of Engineering (Estd. in 1996)
- GVP College of Engineering for Women (Autonomous)(Estd. in 2008)
- GVP Institute of Health Care and Medical Technology(Estd. in 2016)

ACADEMIC EXCELLENCE, RESEARCH, INDUSTRY LINKAGES AND SKILL DEVELOPMENT

- Strong commitment to academic quality, demonstrated through multiple cycles of NAAC and NBA accreditation across GVP institutions.
- A dedicated academic community of around 750 faculty members, including nearly 210 Ph.D. holders from diverse disciplines. 136 recognised research supervisors guiding nearly 289 research scholars.
- Centres of Excellence in Scientific and Industrial Research, Advanced Studies, Medical Imaging, Tribal Research and Development, Chip Designing and E-Mobility.
- 90+ patents filed, published or granted, reflecting a strong culture of innovation, incubation and entrepreneurship.
- Bharat Silicon Labs (BASIL), a unique Campus-Based Semiconductor R&D Lab in association with MosChip Technologies Limited, Hyderabad
- A branch of Candela Technologies established on the Women's College campus, enabling students to gain direct industry exposure while pursuing their studies.

GAYATRI VIDYA PARISHAD INSTITUTE OF HIGHER LEARNING AND RESEARCH (GVPIHLR)

- Strong alignment with the National Education Policy (NEP) 2020, with emphasis on multidisciplinary and interdisciplinary education, research, innovation, skill development and employability.
- Building on this strong foundation, GVP is moving towards the establishment of the Gayatri Vidya Parishad Institute of Higher Learning and Research (GVPIHLR) as a Deemed-to-be University under the Distinct Category, with a vision to create a future-ready centre of higher learning, research and innovation.

SCHOOLS UNDER GVPIHLR:

- | | |
|--|--|
| ▪ School of Arts and Humanities | ▪ School of Commerce and Management |
| ▪ School of Chemical, Mechanical and Civil Engg. | ▪ School of Computer Science and Engg. |
| ▪ School of Electrical and Electronics Engg. | ▪ School of Sciences |

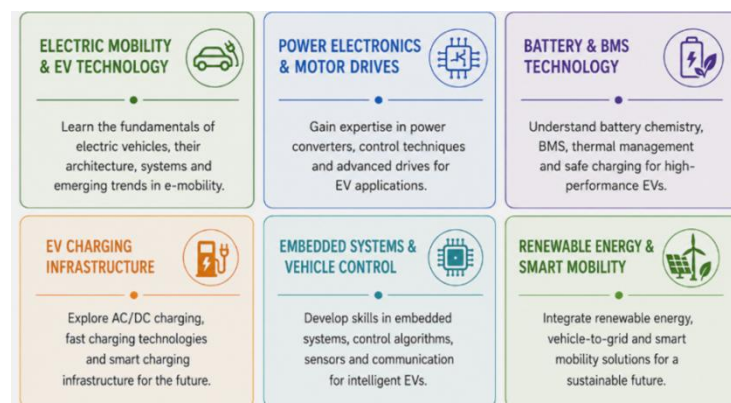
UG PROGRAMS SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING:

- B.Tech. in Electrical and Electronics Engineering (Electric Vehicles)
- B.Tech. in Electronics and Computer Engineering
- B.Tech. in Electronics and Communication Engineering (Bio-Medical)
- B.Tech. in Electronics Engineering (VLSI Design and Technology)
- B.Tech. in Electronics and Communication Engineering (Industry Integrated)
- B.Tech. in Electronics and Communication Engineering (Avionics)
- B.Tech. in Electronics Engineering (Semi-Conductor)
- B.Tech. in Renewable Energy Engineering

B.TECH. EEE (ELECTRIC VEHICLES) AT A GLANCE

WHY EEE (ELECTRIC VEHICLES)?

Electrical and Electronics Engineering (Electric Vehicles) combines electrical engineering, power electronics, electric machines, battery systems, control, embedded technologies and renewable energy to develop next-generation electric mobility solutions.



PROGRAMME OBJECTIVES

- Apply multidisciplinary principles to design and develop electric vehicle technology addressing challenges in energy efficiency, sustainability and smart mobility solutions.
- Undertake collaborative research in emerging areas of electric vehicles contributing to the development of new technologies, methodologies and standards that drive the industry.
- Apply leadership skills through effective communication and work in a collaborative interdisciplinary environment.
- Exhibit ethical values, social responsibilities and life-long learning ability through professional bodies encouraged during their study in the college campus.

PROGRAMME FEATURES

- | | |
|----------------------------------|-------------------------------------|
| • Professional Core | • Open Electives |
| • Core Electives | • MOOCs / SWAYAM |
| • Skill Courses | • Honors / Minors |
| • Multiple Entry / Multiple Exit | • Choice Based Credit System (CBCS) |

CORE LEARNING AREAS / CORE SKILLS

Power Electronics • Electric Machines • Motor Drives • Battery Technology & BMS • EV Dynamics & Control • EV Charging • Renewable Energy Integration.

MODERN TOOLS & COMPUTATIONAL EXPOSURE

• MATLAB • LabVIEW • PSCAD • Python • OPAL-RT • JMAG • dSPACE • IoT

LEARNING BEYOND THE CLASSROOM

Project based Laboratory Training • Industrial Visits & Internships • Workshops & Expert Sessions • Professional Clubs & Student Activities • Technical Competitions & Hackathons

