

HOW THIS PROGRAMME BENEFITS YOU:

- Builds a strong Engineering Foundation
- Connects Science with Industry
- Opens doors to multiple industries
- Develop modern Technical Skills
- Creates opportunities for Innovation

CAREER PATHWAYS:



OUR PAST RECRUITERS:

- | | | |
|-------------------------------------|-------------------------|-------------------------|
| • Larsen & Toubro | • Sumadhura Infracon | • TATA Projects |
| • Intrepid | • Kirby | • Godrej Agrovet |
| • NCC | • The India Cements Ltd | • Aarvee Associates |
| • TowerEdge Engineering Consultants | • BSCPL | • Sai Sri Constructions |
| • Amara Raja Infra | • Stresza | • GMR Infra |
| | • MEIL | • Stantec |

ROLES OF DISTINGUISHED GVP ALUMNI

- Scientists and Researchers
- Executive Directors
- Company Owners
- Senior Industry Professionals
- Faculty and Researchers at leading institutions

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 Chemical, Mechanical and Civil Engineering

Department of Civil Engineering

B.Tech (Civil Engineering) (GVPIHLR-Main Campus, Kommadi) Brochure

Vision : To provide excellent Civil Engineering education to make significant contribution to the economic development of the State, Region and Nation

Mission :

- To produce nationally-competitive undergraduate students for a successful career in Civil Engineering by imparting quality education
- To provide advanced skills and knowledge in state-of-the-art research and design in sub-areas of Civil Engineering and to prepare students to pursue higher studies to seek a professional career or entrepreneurship
- To inculcate in the students, the importance of social service, through educational and professional activities, so that they become useful to the society

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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:

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|--|--|
| ▪ 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 UNDER SCHOOL OF CHEMICAL, MECHANICAL AND CIVIL ENGINEERING:

- B.Tech. in Chemical Engineering
- B.Tech. in Civil Engineering
- B.Tech. in Civil Engineering (Structural Engineering)
- B.Tech. in Civil Engineering (Construction Technology)
- B.Tech. in Mechanical Engineering
- B.Tech. in Mechanical Engineering (Robotics & AI)

B.TECH. (CIVIL ENGINEERING) AT A GLANCE

WHY CIVIL ENGINEERING?

Civil Engineering is essential for the development of a country as it provides infrastructure for economic growth, social welfare, and sustainable development. Civil engineers design and construct roads, bridges, railways, airports, housing, water supply, irrigation, and sanitation systems and support urban and rural development, disaster resilience, environmental sustainability, industrial growth, and efficient transportation. Infrastructure projects create employment, attract investment, and improve public health and quality of life.



PROGRAMME OBJECTIVES

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|--|--|
| • Build Strong Engineering Foundations | • Promote Sustainable Engineering |
| • Design Solutions for Real-World Problems | • Develop professional and leadership skills |
| • Develop Industry and Research Readiness | |

PROGRAMME FEATURES

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|---------------------|-------------------|
| • Professional Core | • Open Electives |
| • Core Electives | • MOOCs / SWAYAM |
| • Skill Courses | • Honors / Minors |

CORE LEARNING AREAS / CORE SKILLS

- Reinforced Concrete • Steel Structures • Fluid Flow • Foundation • Environmental
• Transportation • Concrete Technology • Building Material and Construction

CORE SKILLS: Modelling of structural elements

MODERN TOOLS & COMPUTATIONAL EXPOSURE

STAAD • Revit • AutoCAD • Python

LEARNING BEYOND THE CLASSROOM

- Projects • Industrial Visits • Internships • Workshops • Guest Lectures