

HOW THIS PROGRAMME BENEFITS YOU:

- Industry-Relevant Learning: Exposure to application-oriented areas such as Pharmaceutical Engineering, Process Safety, Process Design, and Optimization.
- Modern Computational Skills: Training in modeling and simulation using tools such as COMSOL, DWSIM, and Python.
- Hands-On Experience: Learning through projects, internships, and industrial visits.
- Professional Exposure: Participation in workshops, guest lectures, IChE activities, technical events, and NPTEL/MOOC courses.
- Research & Innovation: Opportunities to work on simulation, sustainability, process improvement, and research-oriented projects.
- Career Readiness: Development of skills relevant to process industries, pharmaceuticals, energy, environment, design, and research.

CAREER PATHWAYS:



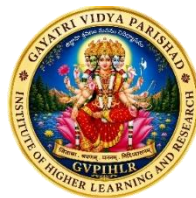
OUR PAST RECRUITERS:

- Deccan Fine Chemicals
- PINNACLE
- Coromandel
- Divis Laboratories Limited
- Berger Paints
- Hetero
- Lupin Ltd.
- Vasudha Pharma Chem Ltd.,
- Saint Gobain
- L & T Energy Hydrocarbon

ROLES OF DISTINGUISHED GVP ALUMNI

- PROCESS ENGINEERING & DESIGN – TECHNIP ENERGIES, FLUOR
- OIL, GAS & ENERGY – HALLIBURTON, IOCL, HPCL
- PROCESS CONTROL & AUTOMATION – INEOS, APPLIED MATERIALS
- RESEARCH & ADVANCED TECHNOLOGY – PACIFIC NORTHWEST NATIONAL LABORATORY, ISRO
- MATERIALS & PRODUCT DEVELOPMENT – MONDELÉZ INTERNATIONAL
- ACADEMIA & HIGHER EDUCATION – IIT ROORKEE, IIT (BHU), UNIVERSITY OF TULSA

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 Chemical Engineering

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

Vision:

To evolve into a center of higher learning in chemical engineering with experimental and state-of-the-art computational facilities for education and research.

Mission:

- To produce high-quality chemical engineers with knowledge and skills suitable for the needs of higher learning, industry, and research organizations.
- To meet the technological needs of the economy, environment, and society.
- To develop leadership qualities with good communication skills.

CONTACT DETAILS:

NAME	:	Dr.T.Ajeeth Prabhu	Dr.B.Sreenivasulu
MOBILE	:	8099225097	8885043392
EMAIL	:	ajeethprabhu.gvpilr@gmail.com	bslu.gvpilr@gmail.com
WEBSITE	:		

ABOUT GVPIHLR:

Gayatri Vidya Parishad (GVP) is established in 1988 with a service motive, committed to develop education in India. The basic aim is

“to promote, establish, maintain and assist or aid in maintaining educational and other institutions with a view to impart education in all branches in general and in Advanced Technology, Management, Education and Science (including Healthcare) in particular and thus to facilitate securing gainful employment for the youth of the country.”

In line with this and in tune with National Educational Policy 2020, the GVP established Gayatri Vidya Parishad Institute of Higher Learning (GVPIHLR), a distinct university that promotes integration of Multidisciplinary, Interdisciplinary and Transdisciplinary fields. It enables the blend of ancient wisdom and traditional values with modern science and technology for the health and well-being of the society among the youth.

GVPIHLR will provide students with an integrative learning experience that transcends conventional disciplinary boundaries and offers abundant opportunities for academic exploration, innovation, and holistic development. It will foster multidisciplinary and transdisciplinary education and research through flexible curricular structures that enable students to creatively combine diverse disciplinary areas of study and pursue emerging areas of knowledge in multidisciplinary contexts.

Through this integrated academic ecosystem, GVPIHLR enable learners attain critical thinking, creativity, innovation, collaboration, and problem-solving, while drawing upon the strengths of diverse disciplines to address complex societal challenges and contribute meaningfully to the advancement of knowledge and the well-being of society.

SCHOOLS UNDER GVPIHLR:

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

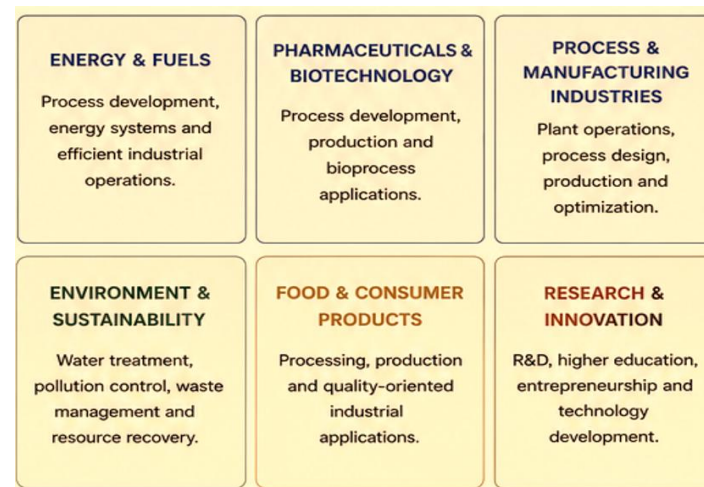
UG PROGRAMS UNDER SCHOOL OF CHEMICAL, MECHANICAL AND CIVIL ENGINEERING:

- 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. (CHEMICAL ENGINEERING) AT A GLANCE

WHY CHEMICAL ENGINEERING?

Chemical Engineering combines science, mathematics, and engineering to transform raw materials into useful products and to develop safe, efficient, and sustainable industrial processes.



PROGRAMME OBJECTIVES

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

PROGRAMME FEATURES

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

CORE LEARNING AREAS

Process Engineering • Fluid Flow • Heat Transfer & Mass Transfer • Chemical Reaction Engineering • Process Dynamics & Control • Design and Economics

CORE SKILLS: Process Design • Modeling and Simulation • Optimization • Process Safety • Pharmaceutical Engg.

MODERN TOOLS & COMPUTATIONAL EXPOSURE

COMSOL • DWSIM • Python • AI Tools and Applications • Internet of Things(IOT)

LEARNING BEYOND THE CLASSROOM

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

