



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



AN INTERDISCIPLINARY ENGINEERING
PROGRAMME FOR TOMORROW'S
INNOVATORS AND LEADERS

B.TECH. MECHANICAL ENGINEERING (ROBOTICS & AI)

BUILD INTELLIGENT MACHINES. CREATE THE FUTURE.

ABOUT GVPIHLR

Founded in 1988 by a distinguished group of academicians, technocrats, industrialists, and philanthropists, Gayatri Vidya Parishad has emerged as one of the most respected educational societies in Andhra Pradesh.

Gayatri Vidya Parishad Institute of Higher Learning and Research is a distinct university offering both UG and PG programs with the integration of Multidisciplinary, Interdisciplinary and Transdisciplinary fields.



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Main features of the university include:

1. Holistic and Multidisciplinary education to develop critical capacities in fields across Arts & Humanities, Management, Science Engineering and Medicine.
2. Flexibility in curriculum – novel and engaging course-options across disciplines.
3. Integration of optimum learning strategies for personalized learning environment.
4. Multiple Entry / Multiple Exit option – creating possibilities for Life Long Learning.

WHY CHOOSE MECHANICAL ENGINEERING (ROBOTICS & AI)?



Interdisciplinary Curriculum

Blend of Mechanical, Electronics, Computer Science & AI.



Hands-on Learning

Work with real robots, modern machines and smart systems.



Future-Ready Skills

AI, Automation, IoT, Control, Programming & Data Analytics.



Industry Exposure

Internships, live projects, expert talks & industrial training.



Innovation & Research

Work on cutting-edge robotics and intelligent systems.



Excellent Career Prospects

High demand in robotics, AI and automation driven industries.

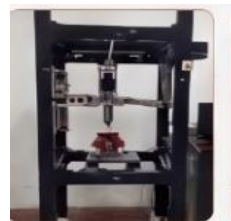
STATE-OF-THE-ART FACILITIES FOR ROBOTICS & AI TRAINING



**6-Axis Articulated
Robot Cell**
(Flexible
Manufacturing)



**SCARA Robot
Cell**
(High-Speed
Assembly Arm 4-Axis)



**Parallel
Kinematic
Milling Machine**
(3-DoF)



**Parallel
Kinematic
Milling Machine**
(2-DoF)

PROGRAM HIGHLIGHTS

- ✓ Robotics & Intelligent Systems
- ✓ AI, ML & Data Analytics
- ✓ Control Systems & Automation
- ✓ Sensors, Actuators & IoT
- ✓ Computer Vision & Perception
- ✓ Embedded Systems
- ✓ CAD, CAM
- ✓ Additive Manufacturing
- ✓ Project Based Learning
- ✓ Industry Projects & Internships
- ✓ Innovation, Startups
- ✓ Research

SKILLS YOU WILL DEVELOP

- ✓ Robotics & Automation
- ✓ Data Analytics
- ✓ AI & Machine Learning
- ✓ CAD / CAM / 3D Printing
- ✓ Programming
(Python / C / C++)
- ✓ Problem Solving
- ✓ Teamwork & Leadership
- ✓ Embedded Systems
- ✓ Innovation
- ✓ Control Systems
- ✓ Entrepreneurship

CAREER OPPORTUNITIES



- ✓ Robotics Engineer
- ✓ Automation Engineer
- ✓ AI / ML Engineer
- ✓ Control Systems Engineer
- ✓ Mechatronics Engineer
- ✓ Research Scientist
- ✓ Product Developer
- ✓ Entrepreneur
- ✓ Startup Founder

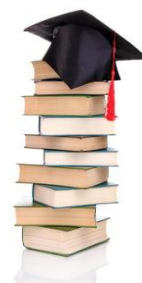
INDUSTRIES THAT HIRE

- ✓ Robotics & Automation
- ✓ Aerospace & Defense
- ✓ Manufacturing
- ✓ Smart Machining
- ✓ AI & Software Companies
- ✓ Logistics & Transportation
- ✓ Medical & Healthcare
- ✓ Research & Development



HIGHER EDUCATION OPTIONS

- Pursue advanced studies in
- ✓ M.Tech. in Robotics / AI
 - ✓ M.Tech. in Automation
 - ✓ MS in Robotics / AI
 - ✓ MS in Mechanical Engineerir
 - ✓ Research (Ph.D.) in Robotics, AI & Intelligent Systems



WHO CAN APPLY?

Students who have completed 10+2 (MPC) with eligible marks as per university's heritage.

Contact:
**Dr Sanjay Darvekar &
Dr K V Vara Lakshmi**

DURATION
4 Years
(8 Semesters)

DEGREE AWARDED
Bachelor of Technology
in Mechanical Engineering
(Robotics & AI)