



to
M.TECH. Students Joining in 2022-23

in
**GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING
(Autonomous)**

Approved by AICTE, Affiliated to Andhra University, Visakhapatnam
Madhurawada, Visakhapatnam

FINANCIAL ASSISTANCE

GATE Rankers	Rs.1.50 Lakhs p.a. (Full tuition Fee reimbursement + Fellowship of Rs. 8000/- p.m.) in addition to GATE Scholarship of Rs.12,400/- p.m. from AICTE-MHRD
PGECET Rankers (1 to 500)	Rs.1.50 Lakhs p.a. (Full tuition Fee reimbursement + Fellowship of Rs. 8000/- p.m.)
PGECET Rankers (501 to 1000)	Rs.1.14 Lakhs p.a. (Full tuition Fee reimbursement + Fellowship of Rs. 5000/- p.m.)

M.Tech. Programs / Courses Offered:

Civil	M.Tech. in Structural Engineering
CSE	M.Tech. in Computer Science & Engineering
ECE	M.Tech. in VLSI Design & Embedded Systems
EEE	M.Tech. in Power Electronics & Drives
Mechanical	M.Tech. in CAD / CAM

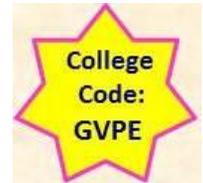
The financial assistance will be granted on a monthly basis as per Institute norms and regulations.

For further details, contact: 8885043402, 7702324020

Website: www.gvpce.ac.in



Gayatri Vidya Parishad College of Engineering (Autonomous)



M.Tech. PROGRAMS / COURSES OFFERED

SEATS AVAILABILITY & COURSE FEE								
S. No.	Department	No. of Faculty with Ph.D.	Specialization	No. of Seats available			Course Fee per annum (in Rs.)	
				Total	Category A	Category B	Category A	Category B
1	Civil	9	<u>M. Tech. (Structural Engineering)</u>	18	13	5	50,000	50,000
2	CSE	13	<u>M. Tech. (Computer Science and Engineering)</u>	18	13	5	50,000	50,000
3	ECE	18	<u>M. Tech. (VLSI Design and Embedded Systems)</u>	18	13	5	50,000	50,000
4	EEE	10	<u>M. Tech. (Power Electronics and Drives)</u>	18	13	5	50,000	50,000
5	Mechanical Engg.	20	<u>M. Tech. (CAD/CAM)</u>	18	13	5	50,000	50,000

FINANCIAL ASSISTANCE* FOR THE STUDENTS TO BE ADMITTED IN 2022-23:

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PGECET Rankers (1 to 500)	Rs.1.50 Lakhs p.a. (Full tuition Fee reimbursement + Fellowship of Rs. 8000/- p.m.)
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ACADEMIC

- Expert guidance of faculty with more than 15 years of teaching and research experience, recognized research supervisors.
- 120 faculty are with Ph.Ds from IITs, NITs, and other institutes of High repute.
- Choice Based Credit System with more number and variety of electives.
- Provision to choose Professional Electives, Open Electives, Audit courses & Lab Electives.
- Compulsory 4-Week Pedagogy Training / Industrial Training as part of the program for imparting teaching / domain skills.
- Offers Dissertation work for two semesters.
- Industry Oriented Lectures / activities from Experts.

LIBRARY FACILITIES

- Online resources, e-Journals like IEEE / ELSEVEIR / Springer /ASME, e-Books like MGH/Pearson/Springer
- Wi-Fi Internet facility

RESEARCH FACILITY / ACTIVITY:

- Exclusive Wi-Fi enabled Central Computing Facilities (PG)
- Availability of modern Software tools for carrying out dissertation / project work.
- R&D projects funded by external agencies worth Rs.12.53 Crores
- Consultancy projects to the tune of Rs.6.41 Crores
- Departments are recognized as Research Centers.

RESEARCH FACILITIES BEYOND CURRICULUM

- Center for Drones, IoT and GIS Technologies
- Centre for Structural Health Monitoring
- Bentley Software Suit for Analysis & Design of Structures, Water Networks etc.
- Center for Photonics studies
- Centre for e-Mobility
- Integrated Electric Machines and Drives Lab
- Hybrid Solar and Wind Plant
- Robotics Lab with 4 & 6 DoF Robots; 2 & 3 DoF Parallel Kinematic Machines
- Manufacturing CNC Lab with CNC Vertical Milling Machine & CNC Lathes
- Dassault Systems Lab
- APSSDC- CM Skill Excellence Centre
- High Computing facilities with GPUs
- Cadence Tools & Embedded systems

List of Research facilities for Projects & Research activities

(1) M.Tech. (Structural Engineering):



Loading Frame (100 Ton)



Universal Testing Machine (40 Ton)



Compression Testing M/c (200 Ton)



Ultrasonic Pulse Velocity Test M/c



CoCo-80 Dynamic Vibration Analyzer



Rebar Locator



Concrete Permeability Test Machine



Self-Compacting Apparatus



Corrosion Monitoring Machine

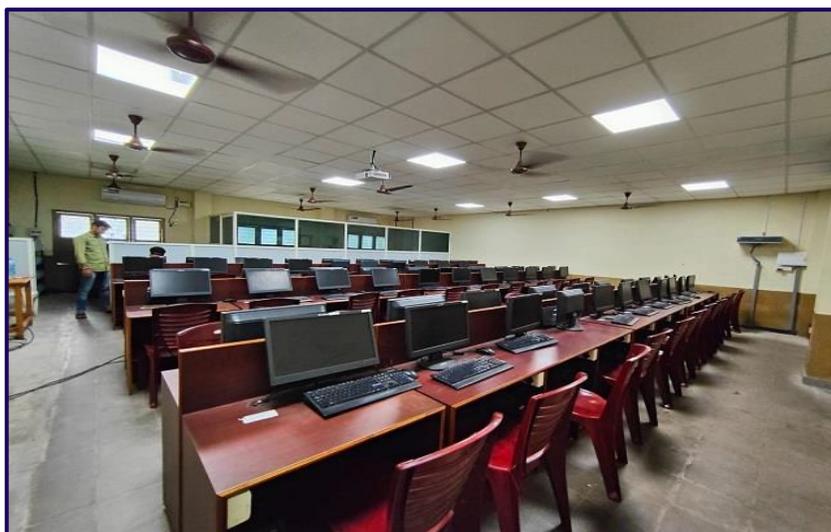
(2) M.Tech. (Computer Science and Engineering):



Parallel Algorithms Lab



Machine Learning Lab



Advanced Data Structures Lab

(3) M.Tech. (VLSI Design and Embedded Systems):



VLSI Design Verification and Testing Lab



Embedded Systems Lab

(4) M.Tech. (Power Electronics & Drives):



Integrated Electrical Machines and Drives Systems Lab



Power Quality Analyzer – Yokogawa Make



Power Electronics and Simulation Lab



Power Electronics & Drives Lab



Hybrid Solar and Wind Plant



Solar Photovoltaic Systems with Battery Energy Storage

(5) M.Tech. (CAD/CAM):



6-DOF Robot (Articulated arm)



4-DOF Robot (SCARA)



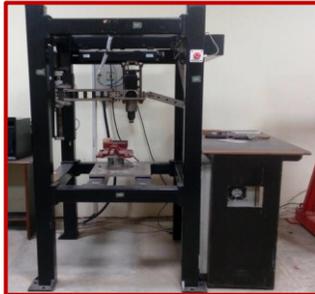
Portable Coordinate Measuring Machine (Faro Gage) with CAM2 Smart Inspect Pro



Profile Projector



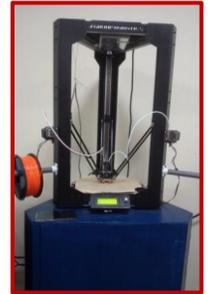
2-DOF Parallel Kinematic Machine



3-DOF Translational Parallel Kinematic Machine



Pin/Ball on Disc Apparatus for Measurement of Friction & Wear by varying Temperature, Sliding Speed & Load



3D Printing Machine (Delta Robot)



Metallurgical Microscope for Micro-Structural Analysis



Optris PI-60 Thermal Imaging Camera



Tool Makers Microscope with camera & image analysis software



Vibration Analyzer (FFT)



Talysurf Surface Roughness Tester - SurfTest SJ301



Ultrasonic Probe Sonicator



Ultrasonic Plastic Welding machine



GMAW Machine with Rotating Arc Mechanism



Solar air heater with thermal energy storage and food chamber

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