

Placements

VNR Vignana Jyothi Institute of Engineering and Technology is ranked one among the top fifteen national level technical institutes, in terms of number of students receiving placement offers from reputed organizations from all over the country.



Placement

Collaboration with Industry and MoUs

- Jayem Automotives Pvt. Ltd., Coimbatore
- Voltronics Motors Pvt. Ltd., Hyderabad
- ERIDE E-Mobility Company, Hyderabad
- Mahindra VVC Motors Pvt. Ltd., Hyderabad
- Anewa Engineering Pvt. Ltd., Hyderabad
- Wingx Technologies, Hyderabad

Eminent Personalities Associate with the Department

- Padmashri Gnana Gandhi, Scientist, ISRO
- Dr. V. Vasudevarao, University of South Africa
- Dr. Satheesh Makkapati, Ford-USA
- Mr. Hidehiko Numata, R&D, Honda Motors
- Mr. Rajendra H. Thanewala, R&D, Bajaj Auto
- Mr. G. Shravan, Hyundai Mobis India
- Mr. J. Shashidhar, Hyundai Motor Group
- Mr. Srikanth Kethu, ZF ITC, Hyderabad
- Mr. V.S. Venkatraman, Advisor, M & M
- Mr. Bhaskar, BHEL, Hyderabad
- Dr. G.L. Samuel, IIT Madras
- Dr. G.V.S. Sastry, IIT(BHU), Varanasi
- Dr. B. Venkatesham, IIT Hyderabad



Electric Microcar



Electric Three-Wheeler with Foldable Ramp for Physically Challenged



Electric Microcar with Hub Motor



Go Kart Vehicle



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY



An Autonomous Institute, NAAC Accredited with 'A++' Grade and NBA Accredited Approved by AICTE, New Delhi, Affiliated to JNTU Hyderabad Recognized as "College with Potential for Excellence" by UGC

DEPARTMENT OF AUTOMOBILE ENGINEERING

About the Department

Department of Automobile Engineering, established in the year 2010 and received accreditation from the National Board of Accreditation. The department offers state-of-the-art facilities, including modern laboratories, a well-equipped seminar hall, and a library with a diverse collection of resources. The department consists of well qualified faculty members. Faculty members contribute to the academic landscape by publishing their research in esteemed journals and participating in conferences. The department research focus encompasses areas such as Electric/Hybrid/Solar Vehicle Technology, Alternative Fuels, Composite Materials for Automobiles, Autonomous Vehicle Technology, Automotive Manufacturing, and Rapid Prototyping/3D Printing. These research areas are supported by funded projects as well as a range of conferences, workshops, and training programs. The department offers placement opportunities in various reputed Core companies as well as prominent IT Companies, also nurtures the students to pursue higher education at top universities in Germany, USA, UK and Canada etc., Student can choose one Minor program along with his/her basic engineering degree in emerging areas like Artificial Intelligence and Machine Learning, Cyber Security, Data Science, Internet of Things and Innovation & Entrepreneurship.

About Faculty

The department's faculty, a key strength, is committed to high-quality teaching and research with practical values. With 19 members, including 7 doctorates, possessing diverse knowledge, the faculty consistently upgrades academic standards and research expertise to align with the latest technological developments. Encouraging lateral thinking, they promote collaborative projects with industry. The faculty is easily accessible, fostering close student-teacher relationships.



ज्ञान-विज्ञान विमुक्तये
UGC Autonomous Institute
Recognized as College with Potential for Excellence



A score of 3.73 out of 4.0



101-150 Rank



Core Courses

In addition to mechanical engineering courses, automobile engineering programme has following core courses.

- Automotive Electrical and Electronics
- Vehicle Dynamics
- Electric and Hybrid Vehicles
- Autonomous Vehicle Technologies
- Automotive Embedded Systems
- Advanced Driver Assistance Systems
- Artificial Intelligence and Internet of Things in Vehicle Engineering
- Connected and Autonomous Vehicles
- Electric Vehicle Charging Infrastructure Technologies

Laboratory Facilities

In addition to mechanical engineering laboratories, the department has following automobile specific laboratories with state-of-the-art equipments.

- Automotive IOT Laboratory
- Automotive Embedded Systems Laboratory
- Automotive Simulation Laboratory
- Automotive Engines Laboratory
- Automotive Chassis Laboratory
- CAD Laboratory
- Theory of Machines and Mechanisms Laboratory
- Design and Analysis Laboratory
- Automotive Electrical & Electronics Laboratory
- Vehicle Maintenance & Testing Laboratory
- Elements of Automobile Engineering Laboratory
- SAE Laboratory



Laboratories of the Department



Faculty of the Department



Winners of "Ride your Pride" student competition



"Gold Certificate" in IIA International Innovation Fair



University Gold Medal



ISTE Best Student Innovator Award

Key Research Areas

- Electric /Hybrid /Solar Vehicle Technology
- Fuel Cell Technologies & Alternative Fuels
- Composite Materials for Automobiles
- Autonomous Vehicle Technology
- Automotive Manufacturing
- Rapid Prototyping/3D Printing

Funded Research Projects

- Sponsored by SERB-SURE of Amount 24.43 Lakh Rupees
- Sponsored by ARDB (DRDO), New Delhi of Amount 9.31 Lakh Rupees
- Two projects sponsored by TEQIP – III, JNTUH of Amount 6 Lakh Rupees

Research and Consultancy Center

The institute has various consultancy and ongoing research projects funded by industries, AICTE, UGC, DST, CSIR and DRDO. The faculty has published 15 plus patents, out of which 2 patents have been granted.

Awards and Achievements

- University gold medal from JNTU, Hyderabad
- Best project award from TCS, Hyderabad,
- Certificate from ARAI, Pune
- ISTE Best Student Innovator Award
- Gold Certificate for the innovation in IIA International Innovation Fair
- Participated in several competitions across the country which includes Formula Bharat, BAJA & SUPRA SAEINDIA, AERO Design Challenge, Electric Two-wheeler design and many more organized by SAE and other professional societies.



SAE certificate for paper presentation



Won Mahindra Auto Quotient Quiz organized by MAHINDRA & MAHINDRA



BAIA SAE INDIA



Aero Design



SAE SUPRA



FORMULA BHARAT