

Department Of Mechanical Engineering



Vision of the Department:

To be a Center of Academic Excellence for Quality Education with Emphasis on Sustainable Technologies, Research, Consultancy and Entrepreneurship for Societal Development.

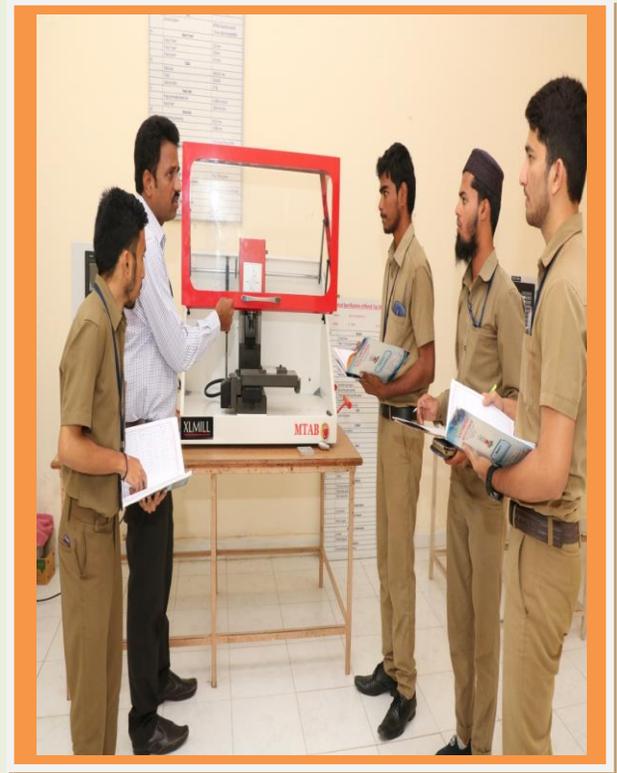
Mission of the Department:

1. To Impart highest quality education to the students to build their capacity and enhance their skills to make them globally competitive mechanical engineers.
2. To integrate research facilities to provide collaborative environment that stimulates faculty and students with opportunities to create, analyze, apply and disseminate knowledge.
3. To develop alliances with world class R&D Organizations, Educational Institutions, Industry and alumni for excellence in Teaching, Research and Consultancy Practices.
4. To enrich the students with Academic Environment of Excellence, Leadership and Ethical Guidelines needed for a Productive Career.

Programs Offered:

B.Tech: Intake-120

Duration: 4 years



Reasons to choose Mechanical Engineering as a Career Option

A career in mechanical engineering allows you to build a better future for your and for the world. This explains why 89% of engineers have high levels of job satisfaction and would choose the same career path again. Mechanical engineering is a secure career with a bright, long-term future: In the UK alone, there will be 1.86m new job openings for engineers by 2020. There is already a shortage of qualified engineers, meaning higher salaries and more options for those who are qualified.

Mechanical engineers earn good salaries – well above the national average. Engineering is a valued trade because it isn't for everyone. It requires the ability to perform complex computations quickly, grasp the forces working on 3D structures, take responsibility for the safety of others and compromising on a wild social life. However, mechanical engineers are some of the best-equipped workers in the world, and the degree is certainly worth consideration by anyone with a passion for physics, creative thinking and the opportunity to really make a difference in the world. Mechanical Engineering is a creative profession, with an emphasis on designing, simulating and improving the world we live in. Mechanical engineers are also concerned with energy resource production and utilization, environmental protection measures, and alternative energy systems such as solar, wind and tidal power. Mechanical engineers are versatile, and frequently take on inter-disciplinary projects which overlap with electrical, chemical and civil engineering.

It is the art of a mechanical (and aeronautical) engineer that builds so powerful airplanes. It is the mind of a mechanical engineer that goes into your air conditioner and fridge. You eat and enjoy all day in a room and keep programming, but mechanical, electrical, civil engineers swept it out in the heat to make things comfy for you. Everything of every day has the contribution of a mechanical engineer

If the child is choosing this field, it shall encompass a very broad range of subject areas, including materials, machines, structures, energy, fluids, controls, design and manufacturing, and biomedical engineering. Mechanical engineers design machines and mechanical systems, engines, motor vehicles, aircraft, satellites, power plants, building energy systems, manufacturing systems, robots, control systems, medical equipment, and consumer products. They are involved in the production of metals and advanced materials, manufactured goods, electronic chips and computer components, machine tools and industrial supplies. Their products are as diverse as the Dash-7 aircraft, the Canadarm, a computer disk drive, an automobile, a carbon-fiber tennis racket, an artificial heart, or a solar panel.

The greatest fear in choosing a branch is finding employment in different branches of industry, including the aerospace, manufacturing, automotive, building systems, energy, chemical and high-technology, sectors, and they undertake work ranging from design and manufacturing to research, consulting and management. Because of the breadth of the field, there is always a steady demand for mechanical engineers. Some of the graduates have also used their mechanical engineering education as a springboard to medicine, management, or other careers. The Mechanical Engineering undergraduate program is broadly based and covers all of the important areas of mechanical engineering: mechanics, materials, energy, machines, fluid dynamics, controls, and manufacturing. A strong curriculum with lots of design and hands-on laboratory work.

Mechanical engineers make a real difference: You could help solve some of the biggest global challenges facing humanity, like climate change, cyber security, aging populations, food, clean water, and energy. Or you could create an invention that changes the world. Mechanical engineers work all over the world, in countless industries: Becoming a mechanical engineer could take you to some interesting places – oil rigs, deserts, the Antarctic, the deep sea. Mechanical engineering qualifications and experience are like having a passport to work in many different industries and countries. Mechanical engineering is a secure career with a bright, long-term future:

What Careers are Available with a Mechanical Engineering Degree?

Obviously, mechanical engineering is the most straightforward career path for a student who majors in mechanical engineering. Mechanical engineers are creative inventors who specialize in developing, designing and perfecting mechanical devices. These professionals work to create new mechanical objects such as engines, automotive parts, electric generators, air conditioners, tools, sensors and related items.

This could be your ideal career choice if you love math and science and you find new technologies fascinating.

About The Department Of **MECHANICAL ENGINEERING**

Dr. C. DHANARAJ Principal



Dr.Dhanaraj Cheelu, a Doctorate in Computer Science & Engineering with more than 23 years of experience in industry and Academics. Dr.Dhanaraj Cheelu, received Ph.D Degree from Vellore Institute of Technology, Vellore in 2014. He is an able administrator and has experience in various academic & administrative posts in various Engineering Colleges before he assumed the office of Principal of this Institution. He has great Organizational skills and Experience. He believes in Hard Work.

Dr.J.Kanna Kumar

M.Tech, Ph.D, AMIE, MISTE.

Head of the Department



Dr.J.Kanna Kumar was received the B.Tech Degree in Mechanical Engineering from GPREC, Sri Krishna Devaraya University, Anantapur in 2000 and the M.Tech (Thermal Sciences and Energy Systems) same university in 2006.He completed his Ph.D. in I.C.Engines from JNTU Anantapur. He has a rich experience in the field of Mechanical Engineering in different cadres as Assistant Professor, Associate Professor and Head of the Department. His research interests are in the areas of Alternative fuels, Simulation of heat and mass transfer systems, Combustion in Gas turbines, Thermodynamics, CFD and renewable energy sources. He has published 17 papers in Refereed Journals and five papers in National and International conferences. He is a life member of ISTE and IEI.

E-Mail: kannakumar.10@gmail.com

OUR BEST PRACTICES

- Internal personality development programs beyond academic calendar.
- Workshops on Latest Research topics in mechanical engineering Software's and their applications.
- Industry visits for practical exposure.
- Co and extracurricular activities to facilities an equal between physical & mental development of a student.
- Case study approach, Internships and live projects.



LIBRARY

The Library of the College has a good collection of Textbooks, e-resources for the benefit of the students. The individual departments basing on the curriculum changes and also with the knowledge of new arrivals recommends text books, reference books and journals to the library.



SPORTS AND GAMES



- Sports play role in shaping one's personality & maintaining good health. There are multiple sport facilities to encourage our students for being physically fit. Every student is encouraged to take active part in at least one outdoor activity. DR KV SUBBA REDDY college has been set up facilities for,
- Cricket
- Basketball
- Volleyball
- Table – Tennis
- Chess
- Carom etc.,

HOSTEL FACILITY

DR KVSR IT has two hostels to provide accommodation to the students. Here our campus creates home like environment with nutritious food, safe drinking water, (mineral water plant is available) rounds the clock hot and cold-water supply and the rooms are very comfortable.



TRANSPORTATION

The college is providing bus facility for the staff and students connecting all the corners of the city. The college is also providing Exclusive Buses for the girl students on specific routes.



TRAINING AND PLACEMENTS

Since its inception the department has been instrumental in shaping the training and placement needs of the student and with our sincere efforts we have been able to place our students in esteemed organizations. With several professional departments coming up, a combined training and placement cell has been set up to manifold the training and placement activities.



MS M. JHANSI (Training & Placement Officer)

Technical Expo



Dr.K.V.Subba Reddy Institute of Technology

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Kurnool-518218

EAMCET CODE: KVSR