



## 3 YEARS DIPLOMA/6 YEARS DUAL DEGREE IN MECHANICAL ENGINEERING

### ABOUT US

- The Diploma in Mechanical Engineering provides broad-based and diverse engineering learning in areas such as material science, solid and fluid mechanics, thermodynamics, fuels, combustion, instrumentation and control, product and system design and manufacturing. The impact of Mechanical Engineering touches almost every area of our lives.
- Mechanical Engineers are the creators; they not only create new technology but also innovate.
- Mechanical engineers design and develop everything you think of as a machine - from supersonic fighter jets to bicycles to toasters. And they influence the design of other products as well - shoes, light bulbs and even doors. Many mechanical engineers specialize in areas such as manufacturing, robotics, automotive, transportation and air conditioning.
- The mechanical engineers may design a component, a machine, a system or a process. Mechanical engineers will analyze their design using the principles of motion, energy, and force to insure the product functions safely, efficiently, reliably and can be manufactured at a competitive cost.
- Mechanical engineers work in the automotive, aerospace, chemical, computer, communication, paper and power generation industries. The department works with the Mission to provide our students with a perfect blend of intellectual and practical experiences which helps them to serve our society and address a variety of needs.

### PROGRAM OUTCOMES

- Graduates of the program will achieve excellence in product design, thermal engineering and manufacturing system by acquiring knowledge in mathematics, science and designing principles.
- Graduate will be able to analyze, interpret and provide solutions to the real life mechanical engineering problems.
- Graduate will develop an approach to solve multidisciplinary problems of manufacturing and allied industries.
- Graduates will learn managerial skills to work effectively in a team and in a society by following ethical and environmental practices.
- Graduate will respond to the demand of the society by engaging in life long learning.



## ABOUT DEPARTMENT

- The department is having highly qualified, experienced & motivated faculty. The department has state- of- art laboratories.
- The CAD centre of the department comprises of latest hardware & software's like Pro-E wildfire-5, Intelli-CAD, Auto-CAD and any other technology required to sharpen the skills of the students.
- The Mechanical Engineering Department play a major role in evolving the 'engineering science' based engineering curriculum, and will served as a role model for many engineering institutes.



## ABOUT LABORATORY



## PLACEMENT PARTNERS

		 Asahi India Glass Ltd.		
				
		 Motherson Sumi System Limited		

## B. S. PATEL POLYTECHNIC | INSTITUTE OF TECHNOLOGY

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Aerial walk-through of University Campus  
 (300 acres lush green campus)