Dynamics Lab and Mechatronics Lab

Dynamics Lab:

The objective of this lab is to impart practical knowledge on design and analysis of mechanisms in the machine tools and automobiles. In dynamics lab, the students are doing the experiments related to their theory subjects like engineering mechanics, machines and mechanisms and fundamentals of vibration. Various equipment's like governors, gyroscopes, balancing machines and universal vibration facilities are available to understand machine dynamics. The working models of simple mechanisms like gears, cams and followers are very much useful to understand basic mechanical engineering.

Dynamics Lab

Mechatronics Lab:

The mechatronics lab provides state of the art facilities and experimental setups to learn and enjoy the field of mechatronics. Modern society depends on mechatronic-based systems for modern conveniences. From intelligent appliances to safety features in cars such as air bags, and antilock brakes, mechatronic systems are widely used in everyday life. Mechatronics is the synergistic integration of mechanical engineering, electrical engineering, electronics, computer science, and control theory for the design of intelligent systems. Mechatronic systems are used in automotive systems, aerospace systems, consumer electronics and robotics. The mechatronics lab concerned with the design, selection, analysis, and control of systems that combine mechanical elements with electronics components, including computers and microcontrollers.

Mechatronics Lab