

# Mechatronics Laboratory

## LABORATORY INFORMATION

**Lab Name:** Mechatronics Laboratory

**Room No.:** 09- Colleges of Engineering and Technology

**Capacity:** 15 students

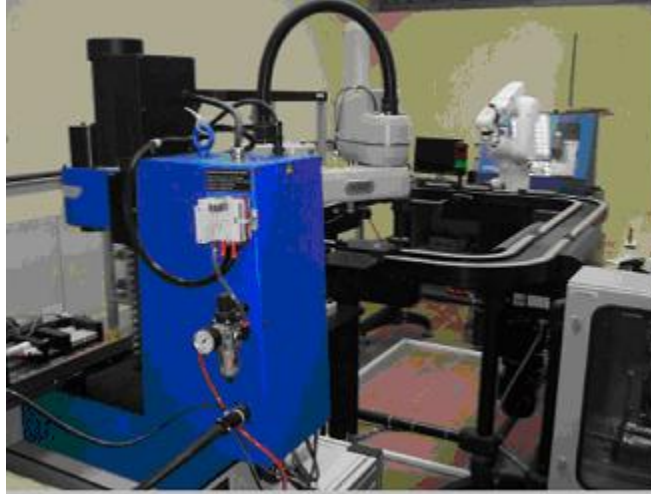
Mechatronics is the synergistic integration of mechanical engineering, electrical engineering, electronics, computer science, and control theory for the design of intelligent systems. Mechatronic systems are used in automotive systems, aerospace systems, consumer electronics, and robotics. The Mechatronics Laboratory was established to support embedded control systems in Mechanical Applications. Mechatronics Lab objective is to expect the student to understand the real pleasure of research through finding research themes, establishing theories, developing systems, conducting experiments, and presenting results. The lab supports courses like introduction to Mechatronics, Mechatronics systems, Robotics and Applications and Final year Graduation projects as well as graduate studies.

## MAJOR EQUIPMENT

CIM "Computer Integrated Manufacturing" system

## LABORATORY SERVES THE FOLLOWING COURSES

Course no.	Courses Title	Semester
ME 591	Introduction to Mechatronics	8 <sup>th</sup>
ME 592	Mechtronics Systems	9 <sup>th</sup>
ME 593	Electromechanical Systems	9 <sup>th</sup>
ME 594	Robotics Applications	10 <sup>h</sup>
ME 595	Industrial Automation	10 <sup>th</sup>



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