

## Mechatronics and Automation Laboratory

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**Location:** E-123



Mechatronics & Automation is one of the vital areas to develop and today's engineering products and processes. The Mechatronics and Automation lab in the Mechanical Engineering Department focus on the practical learning of this subject. The lab is offered for the various courses such as, Mechatronics (MS EG511), Mechatronics and Automation (MF F 311), Study oriented projects, Lab oriented projects, and Dissertation and Thesis work. Various student projects are also supported by this lab. The lab is equipped with the experimental facilities for enabling the understanding for sensors, actuators, and controllers. For this purpose various setups are available like, strain gauge based load cells, capacitive sensors, LVDT, humidity sensor, sound level sensor, pressure sensor, DC motor, etc. To understand the concept industrial automation system, Pneumatic trainer kit and PLC based experimental facility is also available. In addition, the lab facilities are regularly updated in the concerning areas of Mechatronics & Automation. The various experimental activities are supervised by the by the faculty members and supported by skilled technicians.