

FACILITIES

1. Space

The College of Engineering occupies five buildings (A, B, C, D, and E) (with total area of approximately 5000 square meter as shown in Figure (1). Each building includes spaces allocated for class rooms, faculty offices, lecture halls, technical laboratories, workshops, libraries and other academic activates. Each floor in the building is connected with the neighboring building floor



Figure 1 College of Engineering and Technology

1. Offices (Administration and Secretary, Faculty members, Supporting Staff and Graduate Teaching Assistants, Archival rooms)

The Mechanical Engineering program's offices space is located on the 3rd floor, Building B. The Mechanical Engineering Program has 8 offices including the chairman office. (320, 220, 318, 316, 314, 018, 147, and 447) as shown in Figures 2 and 3, fairly equipped with computers, Printers, Scanners, and Photocopiers and wireless internet access. In addition, there are three conference rooms and one meeting room with a round table within the ME vicinity that provide extensive multi-media support including data shows and internet connections, which can be used by the ME department upon request. Most of faculty members' rooms are double occupancy state.



Figure 4 Second Floor -College of Engineering and Technology



Figure 5 Third Floor -College of Engineering and Technology



Figure 6 Fourth Floor - College of Engineering and Technology

2. Classrooms

The classrooms are located in the neighboring Building B & D. The program utilizes 9 well-equipped classrooms. Some are equipped with a suitable blackboard and illumination, a high-resolution projector capable of displaying video and computer images mounted on the ceiling to serve the interests of both students and staff and fulfill the educational objectives and outcomes of the program.



Fig7-Classrooms provides a good learning environment

Some of the classrooms are mainly for theoretical and problem solving purposes so there is no computers provided in the classrooms but power plugs are available incase students would like to take notes on their laptop computers. There are five classrooms 339,402, 302, 306 and 335 with a capacity of 25 students and four class rooms 339,412A, 412B and 337 with a capacity of 50 students with a lighting system suitable for reading/writing purposes. The other classrooms are provided with white boards, data shows, and wireless internet.

3. Laboratories

The program utilizes a number of well-equipped laboratories for teaching and research . Hands-on experience is highly emphasized throughout the program and modern equipment is to serve the interests of both the students and staff. The laboratories provide a comfortable working environment for students to enhance their practical skills .Most laboratories are equipped with data shows, whiteboards, wireless internet and air conditioning .All required power supplies, cabling, instruments are available and under regular maintenance to ensure the availability and reliability of laboratory equipments.

List of Laboratories utilized through the five academic years.

- **Analogue Automatic Control Laboratory.**
- **Chemistry Laboratory.**
- **Computer Laboratory.**
- **Digital Automatic Control Laboratory.**
- **Electrical Machines Laboratory.**
- **Electrical Circuits Laboratory.**
- **Engineering Workshop.**
- **Fluid mechanics & hydraulics Laboratory**
- **Heat Transfer & Thermodynamics Laboratory.**
- **Mechanical vibration Laboratory.**
- **Microprocessor Laboratory.**
- **Non-Destructive Test Laboratory.**
- **Physics Laboratory.**
- **Refrigeration & Air Conditioning and Renewable energy Laboratory**
- **Materials Destructive Testing Laboratory.**
- **Mechatronics Laboratory.**
- **Automotive engineering laboratory.**
- **Internal combustion engine workshop.**