

# CHEMISTRY LABORATORY

## Laboratory Information

Lab Name: Chemistry Lab

Room No.: G105 and G205 - Colleges of Engineering and Technology

Capacity: 25

The Lab contains devices used for chemical analysis of water and simple analyses of lubricating oils. The devices and apparatuses are found in this lab; pH meter to measure acidity and alkalinity for a solution, conductivity meter measures the electrical conductivity and total dissolved solids in a solution, spectrophotometer 2010 determine the concentration for different elements and groups in water, BOD (biological oxygen demand) to determine how fast biological organisms use up oxygen in a body of water, COD (chemical oxygen demand) to use indirectly measure the amount of organic compounds in water and Oil Kits for test the ability to use the lubricating oils.

## Major Equipment

- Glass wear
- Flash point meter
- Digital balance
- Oil test Kits
- Spectrophotometer
- Water Distillator
- Digital Conductivity meter
- PH meter (digital)
- COD digester
- BOD meter and BOD indicator



Fig1.1 Chemistry lab

## Laboratory Serves the following courses:

Course Code	Course Title	Semester
BA118	Chemistry	1 <sup>st</sup>