Engineering Graphics

This course introduces graphical tools used to effectively communicate design concepts in the engineering design and related activities.

In the course, students will use visual thinking to interconnect 3D design with 2D views in the drawings.

Further, modern CAD modeling will be introduced to use modern engineering tools necessary for engineering practice.
What You Will Learn

- How to communicate effectively with engineering graphics.
- How to use the techniques, skills, and modern engineering tools necessary for engineering graphics practices.
Topics in Engineering Graphics

Basic Geometric Construction

**Principles** of Orthographic Projection

**App1:** Multiview Engineering Drawings
Sectioning

**App2:** Descriptive Geometry
Method of Auxiliary View
Method of Revolution

Pictorial Presentation

Axonometric Projection (Isometric Drawings)

Perspective Projections

**App3**
Visibility and Intersections
Developments

Engineering Graphics Standards
Dimensioning & Tolerancing

Fasteners