

## SKU-Engineering Graphics

SKU Engineering Drawing is accommodated with three dimensional animations which help students to visualize the objects in the positions asked in the questions. Drawings have been drawn in correct sequences with neat and clean sketches and steps of how to draw it. SKU makes Engineering Drawing easy for every Engineering student.

### Topics covered in SKU-Engineering Graphics

#### Scales

**Topics Covered:** Representative factor plain scales, diagonal scales, scale of chords.

#### Conic Sections

**Topics Covered:** Construction of ellipse, parabola, hyperbola by different methods; Normal and Tangent.

#### Special Curves

**Topic Covered:** Cycloid, Epi-cycloid, Hypo-cycloid, Involutives, Archimedean and logarithmic spirals.

#### Projection

**Topics Covered:** Types of projection, orthographic projection, first and third angle projection, Projection of points and lines, Line inclined to one plane, inclined with both the plane, True Length and True Inclination, Traces of straight lines.

#### Projection of planes and solids

**Topics Covered:** Projection of Planes like circle and polygons in different positions; Projection of polyhedrons like prisms, pyramids and solids of revolutions like cylinder, cones in different positions.

#### Section of Solids

**Topics Covered:** Section of right solids by normal and inclined planes; Intersection of cylinders.

#### Development of Surfaces

**Topics Covered:** Parallel line and radial - line method for right solids.

#### Isometric Projections

**Topics Covered:** Isometric scale, Isometric axes, Isometric Projection from orthographic drawing.

#### Computer Aided Drafting (CAD)

**Topics Covered:** Introduction, benefit, software's basic commands of drafting entities like line, circle, polygon, polyhedron, cylinders; transformations and editing commands like move, rotate, mirror, array; solution of projection problems on CAD.