

## I Semester

### ENGINEERING GRAPHICS & WORKSHOP M 101

#### Unit - I

Geometrical construction, use of instruments, scales, engineering curves.

Orthographic projections, conversion of pictorial views to orthographic views and vice versa. Dimensioning.

#### Unit – II

Projections of points, lines, planes and solids.

#### Unit – III

Development of plane and curved surfaces, sections of solids.

#### Unit – IV

Orthographic projections of simple elements of machines like nut, bolt, rivets, keys and cotters, joints, pulleys etc.

**WORKSHOP (Practice only) :** Students will do practice in following shop.

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|--------------|------------|----------------|
| 1. Carpentry | 2.Fitting  | 3. Black smith |
| 4. Foundary  | 5.Welding. |                |

#### Books and References:

1. Engg. Drawing with Auto CAD by T. Jayapoovam
2. Engg. Graphics including Autocad by Lakshminarayan and Vaishwanar
3. Machine Drawing by Lakshminarayan and Vaishwanar
4. Engineering Graphics by K.R. Mohan