Department of Mechanical Engineering ME101 Engineering Graphics

L-T-P-Cr: 1-0-3-2

1. Practice Set 1: Title – Engineering Lettering & Dimensioning Practice:

2. Practice Set 2: Title – Engineering Curves: Ellipse, Parabola, Hyperbola and Cycloid, Involutes, Archimedean spiral 3. Practice Set

3: Title – Scales: Diagonal Scale, Vernier Scale, Scale of Chord.

4. Practice Set 4: Title – Projection of Points and Straight Lines:

5. Practice Set 5: Title – Projection of Planes and Solids:

6. Practice Set 6: Title – Section of Solids and Surface Development:

7. Practice Set 7: Title – Intersection of Surfaces:

8. Practice Set 8: Title – Orthographic Views

9. Practice Set 9: Title – Isometric Projections & Views

10. Practice Set 10: Title – Elementary Engineering Graphics with AutoCAD.

Suggested Readings: 1. Dhananjay A Jolhe, Engineering Drawing with an Introduction to auto CAD-.TMH 2. K. Venugopal & V. Prabhu Raja, Engineering Drawing – New Age International 3. N. D. Bhatt & V. M. Panchal, Engineering Drawing – Charotar Publishing House Pvt Ltd 1. T. Jeyapoovam, Engineering Drawing & Graphics using AutoCAD, Vikash Pub 2. P. S. Gill, Engineering Drawing (Geometrical Drawing) – 3. Agrawal & Agrawal, Engineering Drawing – TMH