

## FIRST YEAR

<b>Electrical Engineering Drawing</b>	<b>COE101</b>
<b>Prerequisite : None</b>	<b>(1-0-0-3)</b>

Introduction to engineering drawing and its uses as engineering Language in industry dimensioning symbols and terms used in drawing, metric system, names and dimensions of lines used in drawings. Lettering and Numerals. Drawing of Geometrical Patterns. Drawing of Sectional Views and Tangents. Isometric Projections. Assembly Drawing and Working Drawing of Simple Electrical and Mechanical Items: Symbols For Electrical and Electronics Engineering Drawing, Size of Drawing Sheets, Dimensioning, Types of Projections, Sectional Views, Drawing of Simple Mechanical Items. Class Designation Letters. Graphical Symbols for Electrical, Electronics and Communications and Systems Engineering: Graphic Symbols for Transmission Path. Graphic Symbols for Contacts, Switches, Contactors, and Relays. Graphic Symbols for Fundamental Items. Graphic Symbols for Transformers, Inductors, and Windings. Graphic Symbols for Semiconductor Devices. Graphic Symbols for Acoustic Devices. Graphic Symbols Commonly Used in Connection with VHF, UHF, SHF Circuits. Graphic Symbols for Composite Assemblies. Graphic Symbols for Analog and Digital Logic Functions. Graphic Symbols Commonly Used on System Diagrams: Maps, and Charts, Reading Datasheets and Manuals.