

**RCETMECHVA01 - CREO****Course outcomes:**

- Sketching Parts in 2D environment.
- Sketching Parts in 3D environment.
- Constraints and measures to define a sketch.
- Create complex parts by creating and modifying multiple bodies.

Syllabus:**UNIT I****INTRODUCTION TO CREO PARAMETRIC**

Introduction to Creo Parametric Feature-Based Nature Bidirectional Associative Property Parametric Nature System Requirements Getting Started with Creo Parametric Important Terms and Definitions File Menu Options Managing Files Menu Manager Model Tree Understanding the Functions of the Mouse Buttons Ribbon Toolbars Navigator Creo Parametric Browser Appearance Gallery Rendering in Creo Parametric Colour Scheme Used in this Book

UNIT II**CREATING SKETCHES IN THE SKETCH MODE-I**

The Sketch Mode Working with the Sketch Mode Invoking the Sketch Mode The Sketcher Environment Working with a Sketch in the Sketch Mode Drawing a Sketch Using tools available in the Sketch Tab Placing a Point Drawing a Line Drawing a Centreline Drawing a Geometry Centreline Drawing a Rectangle Drawing a Circle Drawing an Ellipse Drawing an Arc Dimensioning the Sketch Converting a Weak Dim

Reference Text Books

1. Creo parametric 5.0 Guide