**CREO SYLLABUS for Mechanical Design**

* **Part-A: Part modelling and assembly**

1. ***Module-1 Introduction to Creo-2 modelling and basic concepts***
2. ***Module-2 Using the creo-2 interface***
3. ***Module-3 Selecting and Editing***
4. ***Module-4 Sketcher geometry***
5. ***Module-5 Creating datum Features: Planes and Axes***
6. ***Module-6 Creating extrudes, Revolves and Ribs***
7. ***Module-7 Creating sweeps and blends***
8. ***Module-8 Creating holes, shells and drafts, Creating rounds, chamfers***
9. ***Module-9 Copy and mirror tools Module-9 Creating patterns***
10. ***Module-10 Assembling with constraints***
11. ***Module-11 Exploding assemblies***
12. ***Module-12 Using layers***
13. ***Module-13 Managing design intent***
14. ***Module-14 Resolving failures and seeking help***

* **Part-B: Surface modelling**

1. ***Module-1 Surface modelling overview***
2. ***Module-2 Advance selection***
3. ***Module-3 Basic Surfacing tools***
4. ***Module-4 Helical Sweep***
5. ***Module-5 Creating and editing solids using quilts***

* **Part-C Sheet metal Design**

1. ***Module -1 Introduction to Sheet metal design process***
2. ***Module-2 Sheet metal model fundamentals***
3. ***Module-3 Creating primary and secondary Sheet metal, Wall features***
4. ***Module-4 Modifying Sheet metal models***
5. ***Module-5 Sheet metal Bends***
6. ***Module-6 Setting the Sheet metal environment***

* **Part-D Detailing of Drawings**

1. ***Module-1 Introduction to drawings***
2. ***Module-2 Creating new drawings and views***
3. ***Module-3 Adding details to drawings***
4. ***Module-4 Adding notes to drawings***
5. ***Module-5 Adding tolerance and symbols***
6. ***Module-6 Using layers in drawings***
7. ***Module-7 Creating reports (BOM)***

* **Extra topics covered**
* ***Application of mechanisms to assemblies creating animation clips of various assemblies and models….***