

Annexure 1
Detailed Syllabus of Course

Theory:

Sl.No	TOPICS	Hr
UNIT -1		
1.0	Introduction to CAD	2
1.1	Fundamentals of CAD	0.5
1.2	Introduction to CREO	0.5
1.3	CREO Parametric Interface	0.5
1.4	File, View and Display functions	0.5
UNIT 2		
2.0	Feature Based Modelling	7
2.1	Model tree and working with models	0.5
2.2	Sketcher basics	1
2.3	Manipulating Sketches within the sketcher	0.5
2.4	Part modelling	1
2.5	Base Feature	2
2.6	Engineering features	1
2.7	Edit Features.	0.5
2.8	Datum Features	0.5
UNIT 3		
3.0	Detailing	2
3.1	Creating drawing	1
3.2	Working with drawing sheets	0.5
3.3	Annotating the drawing	0.5
UNIT 4		
4.0	Design Assembly	2

4.1	Creating assemblies	1
4.2	Placing Components	0.5
4.3	manipulating components	0.5
UNIT 5		
5.0	Data Exchange	1
5.1	Associative Topology bus	0.5
5.2	Creating STL files for 3d printing	0.5
6.0	Theory Test	1
	Total Hours	15

Practical Syllabus:

SL. No	Major topics	Time allotted
1.	Fundamentals of CAD	8h
2.	Feature based modelling	28h
3.	Detailing	18h
4.	Design assembly	18h
5.	Data exchange	9h
6.	Practical Test	4h
	Total	85 Hours

Total Course Theory / Lecture Hours: 15

Total Course Practical / Tutorial Hours: 85

Total Course Hours : 100

Recommended Hardware:

- Desktop PC's

Recommended Software:

- CREO Parametric ver 2.0

Text Books:

Parametric Modelling with CREO by Randy.h.shih CREO parametric 2.0 by Roger Tooghood Designing with CREO parametric by Michael Rider
--

Reference Books:

Advance Modelling using CREO by Roger Tooghood
--

No of Trainees

Sl no	Batch	No of Students trained
1.	Batch 1 February 2016	5
2.	Batch 2 August 2016	9