



MSME- TECHNOLOGY CENTRE, GUWAHATI
TOOL ROOM & TRAINING CENTRE
Ministry of Micro, Small & Medium Enterprises, Govt. of India



COURSE NAME: e – Learning on Application of Creo.

Duration: 2weeks (2hrs/day)

SL NO.	CONTENT
1	<ul style="list-style-type: none">• Software installation guidance and system requirement• About TRTC and their training programs• Introduction to CAD/ CAM/CAE• Introduction to PTC CREO and its user interface• Important terms in PTC CREO• Mouse button functions and hot keys• Feature in PTC CREO• Ribbon, toolbar and navigator• Applications and advantages
2	<ul style="list-style-type: none">• Introduction to sketch mode and the sketch environment• Sketch tool in sketch environment (point, circle, line ,centreline, rectangle, circle ellipse, arc)• Drawing a sketch and dimensioning it.• Improving weak dimension into a strong dimension and modifying it.• Working with constraint
3	<ul style="list-style-type: none">• Modifying the sketch (fillet, delete, trim, mirror..etc)• Importing 2d drawing in the sketch mode
4	<ul style="list-style-type: none">• Introduction to part design and it user interface• Creating base features from sketches• Understanding datum planes• Extruding and revolving a sketch• Removing material by using extrude tool• Removing material by using revolve tool• Creating datum planes, axes, point, co-ordinate system.• Creating holes• Creating rounds and chamfers• Creating ribs• Editing features of a model
5	<ul style="list-style-type: none">• Creating feature patterns and geometry pattern• Mirroring a geometry• Sweep features• Sweep cut• Blend features• Shell
6	<ul style="list-style-type: none">• Introduction to surface design• Creating surfaces using extruded, revolved, sweep, blend. Swept blend surface features.• Surface editing tools

8	<ul style="list-style-type: none"> • Adding thickness to a surface • Converting surface into a solid
9	<ul style="list-style-type: none"> • Assembly modelling • Types of approach (top-up and bottom-up approach) • Creating top down assemblies
10	<ul style="list-style-type: none"> • Suppressing and resuming components • Modifying a component of an assembly • Replacing a component • Creating exploded state
11	<ul style="list-style-type: none"> • Drawing mode • Generating drawing views (general projection, detailed , auxiliary,) • Creating sectional views • Editing drawing views • Changing scale • Creating hatching and modifying it. • Dimensioning the drawing views • Annotating the drawing • Dimensional and geometric tolerances
12	<ul style="list-style-type: none"> • Sheet-metal component • Doubt , review and feedback