

Date: 27th January 2023

**NOTICE
MECHANICAL DESIGN USING CREO
VAT: 17**

Career Development Centre in association with Department of Mechanical Engineering provides an opportunity to our students to learn CREO. PRO E (CREO) is CAD/CAM software developed by PTC, Parametric Technology Corporation. Ro-e will cover the sketching, modelling, assembly, drafting sheet metal and the surface environments of pro-E wildfire.

Details as follows:

Branch/Year	ME 3 rd Year
Organizer Department	Career Development Centre & Department of Mechanical Engineering
Date	21 st February to 18 th March 2023
Course Duration	40 Hours
Timings	2:00 P.M. – 5:00 P.M.
Course Coordinator	Mr. Vibhor Sharma
Venue	Vedanta Computer Lab (2 nd floor)

Career Services Cell
MF. Saurabh, Dehradun

In charge- Career Development Centre

To :

All Dean / Director / Head of Department

Chairman

Chancellor

Vice Chancellor

Pro Vice Chancellor

Manager Admin

HR Department

For information Please

VAT-17: Mechanical Design using CREO

Course: -B.Tech- ME & ME-AE-3rd Year

Venue:-Vedanta Computer Lab

Organized By- Department of Mechanical Engineering **Date:**-21st February-18th March 2023

Duration: - 40 Hrs.

Timings: -2:00 PM to 5:00 PM

Objective of Creo Training:

Creo Training at Global Online Trainings makes you more productive than before. It is packed with number of new enhancements and capabilities to help you design the products of the future. Creo Parametric is the new user interface. It allows you to access the commands easily. It allows you to work with your model, define the geometry you want to do and streamlines the design process for you.

While you join for Creo Parametric Online Course, you will learn the core modeling skills & quickly become proficient with Creo Parametric 2.0,3.0,4.0. Topics includes sketching, part modeling, assemblies, drawings, & basic model management techniques. This training course also includes a comprehensive design project that enables you to practice your new skills by creating realistic parts, assemblies, & drawings.

Overview of Creo Training:

Below is the basic overview about Creo Training. The more information will be provided during the Creo Parametric Online course.

PRO E (CREO) is CAD/CAM software developed by PTC, Parametric Technology Corporation. Pro e will cover the sketching, modeling, assembly, drafting sheet metal and the surface environments of pro-E wildfire. Learn more about Pro E Training at Global Online Trainings.

2D Sketch: Creo Training

To learn about 2D Commands and how to use them, follow the below steps.

Open Creo parametric software. Click on new and select sketch then click on OK button. You will see different command panels like sketching, editing, constrain, dimension tools and inspection tools. You can also find various useful tools like fit view; zoom In, Zoom Out, repaint, and display style and Filters. And you can also find cut, copy and paste commands.

Why take this course

- This course starts with the basics and slowly takes you into the depth of designing and modelling.
- Almost all-important tools and commands are discussed that are used in industry.
- This course will help you to create your own designs and innovations.
- For any query and trouble, we are always available for you.

Prerequisites to learn Creo Training:

Mechanical/Automobile engineering students can learn Creo Training

Person having knowledge on Auto CAD, Pro -E can learn Creo Training

Any person having designing knowledge can learn Creo Training

Who this course is for:

- Anyone who wants to learn any computer aided designing.
- Individual who wants to learn the Creo/ProE software.
- Mechanical engineers and graduates who are interest is design.
- Working professionals who wants to enhance their skills on CAD software.
- Individuals wanting to get a better job via Creo design skills
- Individuals wanting to list Creo skills in their resume

Training Outcome:

- The students have Learnt how to create 2D sketches using commands such as lines, circles, arcs, rectangles etc.
- Have Learnt how to apply manual and automatic constraints to sketches.
- The students are able to Learn how to edit, move, copy, sketches.
- Created 3D models and shapes using commands such as extrude, revolve, sweep, blend, sweep blend, draft, fillet, chamfer, cutout etc.
- Learnt how to create drawings, projections and drafting of the models.
- Learnt how to assemble and apply constraints to different parts and components.

Course Outline

Chapter 1	Introduction	2 hours
Chapter 2	Sketching	3 hours
Chapter 3	parts	2 hours
Chapter 4	Modified tools	4 hours
Chapter 5	Editing tools	3 hours
Chapter 6	Assembly creation	3 hours
Chapter 7	Drawing View	2 hours
Chapter 8	Mechanism	2 hours
Chapter 9	Sheet Metal	4 hours
Chapter 10	Format Mark up and weld mate	3 hours
Chapter 11	Creo Stimulation & Analysis	2 hours

Value added course Details (Academic Year: 2022-23)

VAT Course Name: Mechanical Design using CREO

VAT Code: VAT 17

Duration in Hours: 32

Number of Students Enrolled: 38

Number of Students Completed:36

Grades:

G= GOOD ; S = Satisfactory ; P = Poor ; W = Withdraw

Student ID	Student Name	Program/Course	Passing Grade
160113014	Yash Virmani	Bachelor of Technology in Mechanical Engineering	G
180106026	SUMIT SINGH	Bachelor of Technology in Mechanical Engineering	S
200106012	SHAURYA JOSHI	Bachelor of Technology in Mechanical Engineering	S
200113004	UJJWAL MISHRA	Bachelor of Technology in Mechanical Engineering	S
200106011	AGASTYA CHAUHAN	Bachelor of Technology in Mechanical Engineering	G
200106002	ABHIJEET SINGH	Bachelor of Technology in Mechanical Engineering	G
200106001	ADITYA RAWAT	Bachelor of Technology in Mechanical Engineering	S
200106003	KUSHAGRA NIGAM	Bachelor of Technology in Mechanical Engineering	S
200113002	AKHAND PRATAP SINGH	Bachelor of Technology in Mechanical Engineering	S
200113003	AMBUJ SINGH	Bachelor of Technology in Mechanical Engineering	G
200106004	PRIYANSHU CHHETRI	Bachelor of Technology in Mechanical Engineering	G
200106007	MOHAMMAD HAMZA	Bachelor of Technology in Mechanical Engineering	S
200106008	SUCHIR GARG	Bachelor of Technology in Mechanical Engineering	S
200106006	DARSHIL DHIREN SHAH	Bachelor of Technology in Mechanical Engineering	S
200113001	PANKAJ SINGH MANRAL	Bachelor of Technology in Mechanical Engineering	G
200106013	PRATYUSH ANAND BURNWAL	Bachelor of Technology in Mechanical Engineering	G
200113007	DEEPANSHU RAWAT	Bachelor of Technology in Mechanical Engineering	S
200113006	ABHISHEK AGARWAL	Bachelor of Technology in Mechanical Engineering	P
200106014	ANIL KUMAR GAUTAM	Bachelor of Technology in Mechanical Engineering	S
200106031	SOURABH KUMAR SINGH	Bachelor of Technology in Mechanical Engineering	G
200106015	KARAN SIYAG	Bachelor of Technology in Mechanical Engineering	G
200113009	TUSHAR KUMAR	Bachelor of Technology in Mechanical Engineering	S
200106022	ADITI RATURI	Bachelor of Technology in Mechanical Engineering	S
200106021	KULDEEP SINGH	Bachelor of Technology in Mechanical Engineering	S
200113010	BHAVESH SINGH BISHT	Bachelor of Technology in Mechanical Engineering	G
200106041	KHAGENDRA YADAV	Bachelor of Technology in Mechanical Engineering	G
210106900	GYANENDRA KUMAR	Bachelor of Technology in Mechanical Engineering	P
210106901	PRANJAL CHAUHAN	Bachelor of Technology in Mechanical Engineering	S
210106908	PRIYANSHU GUPTA	Bachelor of Technology in Mechanical Engineering	S
210106903	ABHISHEK KUMAR DHANGAR	Bachelor of Technology in Mechanical Engineering	G
210106904	AKSHAT BHIDOLA	Bachelor of Technology in Mechanical Engineering	G
210113900	SHIV SINGH NEGI	Bachelor of Technology in Mechanical Engineering	S
210113901	MANISH ADHIKARI	Bachelor of Technology in Mechanical Engineering	S
210106905	PIYUSH SINGH	Bachelor of Technology in Mechanical Engineering	S
210113902	ANUJ KUMAR	Bachelor of Technology in Mechanical Engineering	G
210106906	SIDDHARTH TYAGI	Bachelor of Technology in Mechanical Engineering	G
210106909	SURAJ KUMAR MUNDA	Bachelor of Technology in Mechanical Engineering	S
210106907	SAGAR SARKAR	Bachelor of Technology in Mechanical Engineering	S

Career Services Cell
DIT University, Dehradun