



TKM

Institute of Technology



(Approved by AICTE, New Delhi & Affiliated to APJ Abdul Kalam Technological University)

Musaliar Hills, Karuvelil P.O., Ezhukone, Kollam - 691505, Kerala, India

Phone : +91 474 2482833, +91 474 2482083 Fax : +91 474 2483715

E-mail : principal@tkmit.ac.in Website : www.tkmit.ac.in

DEPARTMENT OF MECHANICAL ENGINEERING

Workshop on

Product design using CAD

DAY WISE COURSE SCHEDULE

Start Date: - 19/07/2016

Day 1 - Introduction to 2D Computer Aided Drafting

Time	Title	Tool/Machine	Details
9:30 am - 10:15 am	Drafting Packages	Oral Presentation	Basic information of the software tools available for design engineers.
BREAK			
10:30 am – 12:30 pm	2D drafting	Pro-E CREO	Theory + Practical. The session equip the students to use the software to generate 2D drawings
BREAK			
1:30 pm – 3:30 pm	2D drafting	Pro-E CREO	Mini Project Students develop 2D drawing of objects and images given.
3:30 pm – 4:00 pm	Day 1 Concluding Session	Oral Presentation	Recap and an introduction to next day Activities

Day 2 - Introduction to 3D Computer Aided Modeling

Time	Title	Tool/Machine	Details
9:30 am - 10:00 am	2D to 3D	Oral Presentation	Basic information regarding upgrading from 2D to 3D
BREAK			
10:15 am – 12:30 pm	3D drafting	Pro-E CREO	Theory + Practical. The session provides the students the confidence to use the software to generate 3D drawings
BREAK			
1:30 pm – 3:30 pm	3D drafting	Pro-E CREO	Mini Project Students develop 3D drawing of objects and images given.
3:30 pm – 4:00 pm	Day 2 Concluding Session	Oral Presentation	Recap and an introduction to next day Activities

Day 3 - Introduction to Assembly of parts

Time	Title	Tool/Machine	Details
9:30 am - 10:00 am	Assembly of parts	Oral Presentation	The advantages of Pro-E in dealing with assembly
BREAK			
10:15 am – 12:30 pm	Tools in assembly	Pro-E CREO	Theory + Practical. The session demonstrates the ease with which assembly can be generated
BREAK			
1:30 pm – 3:30 pm	Assembly Drawing	Pro-E CREO	Project Students will be given a mechanical part from which they have to generate the assembly drawing

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