

**Short Term Course
On
Modelling and Simulation using SolidWorks**
A CEP Short term course under
Modelling Tools and Languages

A Continuing Education Programme of
Indian Institute of Technology
Kharagpur

04th June – 21st June, 2018



Coordinator

Dr. R Machavaram
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Objectives and Introduction

The objective of the course is to impart the knowledge of computer aided design (CAD) modeling and simulation of the design under a feature based parametric solid modeling software – SolidWorks. SolidWorks is a computer-aided design (CAD) software, which is used to create 2D or 3D models. It can also make the user to create fully associative 3-D solid models with or without constraints while utilizing automatic or user defined relations to capture design intent. The same software can also give insight to the user in terms of simulating the designs for strength, functionality and fitment checks virtually before making them as prototypes.

Course Content

1. Introduction to SolidWorks Software
2. 2D Sketching using SolidWorks Software
3. 3D Part Modeling using SolidWorks Software
4. Assembling the CAD Parts using SolidWorks Software
5. Drawings and Detailing using SolidWorks Software
6. Static Analysis and Simulation Using SolidWorks Software
7. Thermal Analysis using SolidWorks Software
8. Motion Analysis using SolidWorks Software
9. Weldments and Their Static Analysis using SolidWorks Software
10. Shear Force and Bending Moment Diagrams in SolidWorks Software

11. Flow Simulation using SolidWorks Software

Important Dates and Venue

The computer based short-term course will be held in **PC Lab III, CIC, IIT Kharagpur**, West Bengal 721302, during **04th June to 21st June, 2018**.



Last date for receipt of duly filled Registration form and course fee: **25th May, 2018**.

Intimation to selected Participants: **28th May, 2018**.

Eligibility

- Teachers of State/Central Govt./Private Degree Level Engineering Approved by AICTE
- Engineers working in Industries dealing with various branches of Agriculture / Civil / Mechanical Engineering
- Graduate, Postgraduate and Research Students of AICTE approved Engineering Colleges

Course Fee

- a) Teachers from the AICTE approved degree level engineering colleges: **Rs. 3000/- + (GST @ 18%)**
- b) Engineers form Industries: **Rs. 30,000/- + (GST @ 18%)**
- c) Teachers from Non-AICTE approved colleges: **Rs. 20,000/- + (GST @ 18%)**
- d) Students/Research scholars: **Rs. 3000/- + (GST @ 18%)**

Boarding, lodging and travel charges will have to be borne by the participants.

Registration

All the participants have to submit the duly filled registration form by **25th May, 2018**. The registration form has to be posted to the address of the course coordinator. Participants of all categories must also send the prescribed course fee along with the registration form. Advance (scanned copy) of the filled-up registration form should also be send as e-mail attachment.

Mode of Course Fee Payment

The course fee can be submitted in the form of a demand draft drawn in favor of 'CEP-STC, IIT Kharagpur' payable at Kharagpur.

For electronic payment: Name of Bank Account: CEP-STC, IIT Kharagpur; Bank Name: Syndicate Bank; Branch Name: SRIC, IIT Kharagpur; SB Account No.: 95562200002955; IFSC: SYNB0009556; MICR: 721025103; SWIFT: SYNBINBB120.

The TDS provisions of Sec. 193 to 194L of ITax Act, 1961 are not applicable for any sum/payment made to IIT Kharagpur. Hence, TDS (Tax Deduction at Source) is not admissible.

Accommodation

On prior intimation, accommodation can be arranged with in the campus on first come first serve basis on payment of usual charges.

For delegates from industry and academic institutions: SAM guest house charges Rs. 500/- per day (single), Rs. 700/- per day (double)

For student participants: Triple shared guest room in hostels; charges Rs. 1500/- per person

Contact Details

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Name:

Designation:

Mailing Address:

Phone:

Mobile:

Email:

Date of Birth:

Highest Academic Qualification:

Requirement of Accommodation:

Experience in CAD Modeling (if any):

Draft

No.....dated.....amounting Rs.
..... drawn onbank.

OR

NEFT Transaction No:dated.....
for Rs.through.....bank.

Signature of the applicant

Date:

Place: