

**A CEP (Self Sponsored) Short Term Course
On
Modelling and Simulation using
SolidWorks**

A Continuing Education Programme of
Indian Institute of Technology
Kharagpur

04th June – 21st June, 2019



Coordinators

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Introduction and Objectives

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 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. 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, 2019.**



Last date for receipt of duly filled Registration form and course fee: **31st May, 2019.**

Intimation to selected Participants: Within 48 hours of the registration and till **31st May, 2019.**

Eligibility

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

Course Fee

- a) Teachers from the degree level engineering colleges: **Rs. 8000/- + (GST @ 18%)**
- b) Engineers form Industries: **Rs. 15,000/- + (GST @ 18%)**
- c) Students/Research scholars: **Rs. 2542/- + (GST @ 18%)**

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

Mode of Registration and Fee Payment

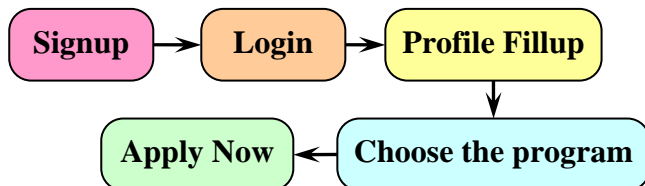
All the participants have to have to register online and the fee payment is to be made **ONLINE** after getting short listed for the program. The last date for the online registration is **31st May, 2019**.

Course can be registered **ONLINE** using the link:
<https://erp.iitkgp.ac.in/CEP/courses.htm>

Title of the Course:

Modelling and Simulation using SolidWorks
(Program Id: **IIT/CEP/STC/SS/2019-2020/AG/29**)

Follow the procedure for course registration:



Kindly submit the given registration form (end of the leaflet) at the time of course joining on **04-06-2019**.

Accommodation

On prior intimation, accommodation can be arranged within 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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And

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04th June – 21st June, 2019

Name:

Designation:

Mailing Address:

Phone:

Mobile:

Email:

Date of Birth:

Highest Academic Qualification:

Requirement of Accommodation:

Experience in CAD Modeling (if any):

Online Transaction No:.....dated.....
for Rs.through.....online
payment.

Signature of the applicant

Date:

Place: