

Objective of the STC

- Short Term Course (STC) is devoted to the fundamental theory, recent developments.
- The STC aims to present various new trends & technology in Design field using NX and to create opportunities for participant to enrich their teaching skills by using features like Modelling, Assembly, Motion study, Simulation, Manufacturing of NX.
- STC achieve to competitive teaching and learning environment, thus channelizing development with respect to academic qualifications and personal matters.
- The objective of STC is to acquaint the faculty with the practical knowledge regarding conceptualization, design and development of a new product.

Program Outcome:

Basic concepts of computer aided manufacturing. They will be able to understand Modelling and Simulation. They will learn about industrial standards related to design and they convert their ideas into virtual products by Digital Manufacturing & Siemens PLM.

Target Participants :

Faculty members of all Engineering Colleges and Polytechnic, Industry Professionals, Govt. officers, Scientists, Research Scholars. Any Students from UG, PG and Diploma.

Registration fee detail

(including GST)

On or Before February 21th, 2022

Course Fee : Rs. 500/-

The e-certificate will be given and will be sent to the registered email id of the participants who attains course.

For registration use below mention link or scan QR Code

<https://forms.gle/o4JwpAqigY3MMr8t8>



For any query contact
9478645420 / 6284957074



One Week (Online) Short Term Course on Digital Manufacturing

24th February 2022 to 28th February 2022

Organised by
Centre of Excellence - Siemens
Workshop and Skill Development Centre
Punjab Engineering College
(Deemed to be University)
Chandigarh-160 012

Chief Patron

Prof. Baldev Setia,
Director, Punjab Engineering College

Patron

Prof. Rajendra M. Belokar
Program Director CoE-Siemens
Head Workshop & Skill Development Centre

Course Coordinators

Dr. Sandeep M. Salodkar
Dr. Ankit Yadav

Digital Session Host

Er. Manansheel Sharma
Er. Amninder Singh
Email: coe.siemens.pec@pec.edu.in

About the CoE Siemens PEC

Established in 2019, this world-class skill development center is dedicated to the areas of engineering, product development and advanced manufacturing technologies in the following domains

- **Automotive**
- **Aerospace**
- **Industrial Machinery**
- **Renewable Energy**
- **Internet of Things**

The Siemens Centre of Excellence (CoE) aims to train Engineering, Diploma students and faculty on world-class Siemens Equipment and Software. The CoE provides training by Siemens-certified training partners.

Objectives

- Establish industry partnerships to guide, support, and validate industry relevant learning activities
- Assist exploratory research projects to foster relevant industry innovate
- Assist integration of technology into college curricula
- Facilitate the pursuit of career opportunities to interact with research expert to learn from their experience the possible are of research.
- Enable technology adoption by industry

List of Labs at CoE

- | | |
|-------------------------------------|------------------------------------|
| • Automation Lab | • Process Instrumentation Lab |
| • Product Design and Validation Lab | • CNC & NC Programing Lab |
| • Advance Manufacturing Lab | • Metrology Lab |
| • Test and Optimization Lab | • Renewable Energy Lab |
| • Robotics Lab | • Electrical and Energy Saving Lab |
| • CNC Machine Lab | • Rapid Prototyping Lab |
| • Internet of Things (IOT) Lab | • Mechatronics Lab |

STC Session will contain the expert lecture followed by the Siemens Lab session

The Expert form the industry as well as from the leading academic institution will deliver their talk on digital manufacturing.

Major course content

- Digital Manufacturing
- Robotics and Autonomous System
- Industry 4.0 Fundamental
- AI, ML, Analytics
- IOT
- AR/VR/MR
- Rapid Prototyping
- Design for Additive Manufacturing

ADVISORY COMMITTEE

Dr. T. K. Jindal	Head, Aerospace Engineering
Dr. Sucheta Dutt	Head, Applied Sciences
Dr. Umesh Sharma	Head, Civil Engineering
Dr. Shailendra Singh	Head, Computer Science & Engineering
Dr. Jagdish Kumar	Head, Electrical Engineering
Dr. Neena Gupta	Head, Electronics Communication Engineering
Dr. S.K. Mangal	Head, Mechanical Engineering
Dr. Uma Batra	Head, Metallurgical & Mater Engineering
Dr. Ravinderjit Singh Walia	Head, Production & Industrial Engineering