Objective of the Short Term Course (STC)

- Additive manufacturing (AM) is a process of joining materials with help of 3D Model, usually layer upon layer as contrast to subtractive manufacturing (Materials removal). The main objective behind the course is to introduce the theoretical and practical aspects of AM , various types of AM technologies, modeling of AM processes, Practical and hands on experience.
- Demonstrate proficiency with a wide variety of key techniques in additive manufacturing .
- To enhances the research competence of faculty/research scholars/PG/UG/Diploma in the areas of 3D printing and additive manufacturing by providing exposure to practical problems and solutions.

Program Outcome:

- Understand the process/tools of Additive Manufacturing.
- Participants are able to plan the development of prototype within a limited time and able to select features which can be implemented for real life applications

Target Participants :

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

Registration fee detail
(including GST)
On or Before February 21th, 2022
Course Fee : Rs. 500/-

For registration use below mention link or scan QR Code
https://forms.gle/o4JwpAqigY3MMr8t8

For any query contact
6239513990/7589293835

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

One Week (Online) Short Term Course on Additive 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-Chandigarh

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

Course Coordinators
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Er. Amninder Singh
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About the CoE Siemens PEC

Established in 2019, this world-class skill development centre 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**
- **Advanced Manufacturing**

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 of CoE

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

STC Session will contain the expert lectures followed by the Siemens Lab sessions

The Expert form the industry as well as from the leading academic institution will deliver their talk on additive manufacturing and Its applications.

Major course content

- CAD and data processing for additive manufacturing
- 3D Printing and Additive Manufacturing processes
- Softwares for additive manufacturing
- Extrusion based printing
- Advance Sensing and Control Algorithm for AM Technologies
- 3D printing Industries

ADVISORY COMMITTEE

Dr. T. K. Jindal	Head, Aerospace Engineering
Dr. Sucheta Dutt	Head, Applied Sciences
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Dr. Shailendra Singh	Head, Computer Science & Engineering
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