

Objective of the Short Term Course(STC)

- STC is devoted to the fundamental theory, recent developments.
- STC provides an exposure to new areas of Research and Development.
- STC enhances the research competence of faculty in the areas of Industrial Robotics by providing exposure to practical problems and solutions.
- To create an opportunity for exchange of knowledge through a common platform.

Program Outcome:

- Participants will be to understand the basic concepts of ABB Industrial Robotics.
- Participants will be able to apply programming skills in Robotic Material Handling Application , ARC Welding Application & SPOT Welding Application.

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/-

For registration use below mention link or scan QR Code

<https://forms.gle/o4JwpAqigY3MMr8t8>



For any query contact
9316162123 / 6284957074

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 Industrial Robotics

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. Tejbir Kaur
Dr. Sandeep M. Salodkar

Digital Session Host

Er. Ashish Grover
Er. Amninder Singh
Email:coe.siemens.pec@pec.edu.in

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**

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 | •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 | • Mechatronics Lab |
| • Rapid Prototyping Lab | •Internet of Things (IOT) 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

- Robotics and Autonomous System
- Collaborative Mobile Robot
- Human & Robot Collaboration
- Topological Robot
- Industrial Welding Robots
- Hybrid and Distributed Control
- Material Handling Robot
- Robot Navigation
- Robot Programing
- Future Robotics

ADVISORY COMMITTEE

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