Objective of the STC':

- Short Term Course (STC) is devoted to the essentials of the IoT in Industrial sensing applications.
- To enhance the knowledge and usage of tools and techniques for the implementation with IoT.
- STC' provides an exposure to new areas of research and development.
- To create an opportunity for exchange of knowledge through a common platform.

Program Outcome:

- Participants will understand the IoT concepts with implementation using raspberry pi and Node-Red.
- After successful completion of this course, participants will be able to create a application with IoT successfully.

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
9417689170 / 9417535469

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 IoT: Industrial sensing with Raspberry Pi-4

24th February 2022 to 28th February 2022

Organized 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. Padmavati
Dr. Poonam Saini

Digital Session Host
Er. Nitika Khurana
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
- Product Design and 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 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 Industrial Internet of Things.

Major course content

- IoT Devices and Networking
- IoT Cloud Processing and Analytics
- Intelligent Industries
- Sensors and Actuators
- Microcontroller and Programing
- Communication Networks
- Data Handling and Analytics
- Embedded Programing
- Machine Learning for IoT

ADVISORY COMMITTEE

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