

Sant Longowal Institute of Engineering & Technology

Longowal -148106, Dist. Sangrur (Pb.)

Deemed to be University

Under MHRD, Govt. of India

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TEQIP – III

Technical Education Quality Improvement Programme

Short Term Course (STC)

On

IMPLICATIONS AND REALITIES OF INDUSTRY 4.0

(IRI4.O-2020)

(December 21-25, 2020)

Organized by

Department of Mechanical Engineering,

SLIET, Longowal

Under

TEQIP III

MHRD, Govt. of India

Course Coordinators

Dr. Sunil Kumar, Dr. Harish Arya, and Er. Sumit Kumar

Convener

Prof. Pardeep Gupta and Prof. Jagtar Singh

Department of Mechanical Engineering,

SLIET Longowal

Introduction:

The fourth industrial revolution alias Industry 4.0 represents a new era of organizing and controlling the industrial value chain. It utilizes a cyber-physical system as a foundation comprising of smart machines, embedded software systems connected with the internet (IoT). Industry 4.0 can be addressed as a current trend of automation and data exchange in manufacturing technologies, including cyber-physical systems, the Internet of things, cloud computing, and cognitive computing and thus creating a smart factory. This STTP focuses on the discussions about technologies, research ideas involved in the field of Industry 4.0 along with some industrial case studies. Through this program, we would like to address the implication and realities for implementing Industry 4.0

Course Contents:

The STC is focused to discuss various aspects of Industry 4.0. Following important topics will be covered in this program.

- Introduction to Industry 4.0
- Industrial Automation
- Automation in Metrology
- Humanoid Robots
- Robotics in Industry 4.0
- Advance Manufacturing Process
- Cloud Computing
- AI
- Additive Manufacturing
- Test Automation
- Supply Chain 4.0
- IoT
- Quality in Industry 4.0
- Six Sigma
- Industry 4.0- Understanding the Challenges and Opportunities

Resource Persons:

Apart from faculty members of SLIET Longowal, experts from reputed Institutes and Industries of National and International repute like Google and L&T will conduct the expert lecture of the program.

Who can participate?

Faculty members, research scholars belonging to engineering & applied sciences disciplines from AICTE recognized Colleges and Universities can participate in the program. The program is also useful to industrial practitioners working at an appropriate level

How to Apply:

The interested persons from academia and Industrial practitioners are required to send the duly filled registration form on or before December 15, 2020, through the google form link:

<https://forms.gle/fE3yF1V6hf7tcGXW8>



Course fee/Registration Fee

Registration fee charged: Rs. 200/-

Details of the Bank Account:

Name:	IRI4.O-2020
Acc. No.:	3865816637
Bank and Branch:	Central Bank of India, Longowal
IFSC code:	CBIN0283105

The participants must deposit the registration fee by digital mode and attach the online transaction details as a .pdf/.jpg file in the google registration form.

Important Dates:

Last date for receipt of duly filled application form

December 10, 2020

Finalization of the list of selected participants

December 12, 2020

Last Date for receipt of confirmation participation (via email)

December 15, 2020

Organizing Committee

Chief Patron: Prof. S. K. Jain, Director
Patron: Prof. A. S. Arora, Dean (Acad.)
Chairman: Prof. Rajesh Kumar, HOD (ME)
Convener: Prof. Pardeep Gupta, (ME)
Prof. Jagtar Singh, (ME)
Coordinators: Dr. Sunil Kumar, (AP, ME)
Dr. Harish Arya, (AP, ME)
Er. Sumit Kumar, (AP, ME)

Address for Communication

Program Coordinator (IRI4.O-2020)

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