Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

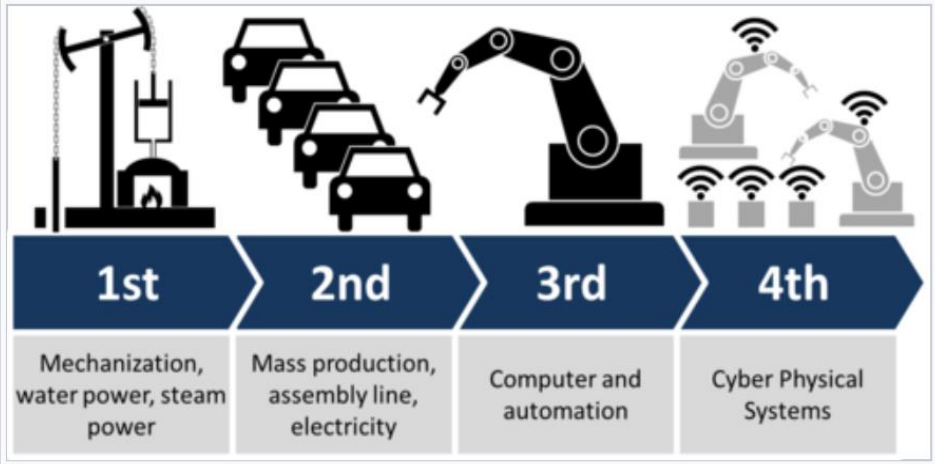
Old Bombay Road, GachiBowli, Hyderabad – 500 032. T.S, India

Quality & Productivity Division

Training Program on

INDUSTRY 4.0

18 – 19 June, 2019



Industrial revolutions and future view

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

Industry 4.0 is a name given to the current trend of automation and data exchange in manufacturing technologies. It includes cyber-physical systems, the Internet of things (IoT), cloud computing and cognitive computing. Industry 4.0 is commonly referred to as the fourth industrial revolution.

Industry 4.0 fosters what has been called a **"smart factory"**. Within modular structured smart factories, **cyber-physical systems** monitor physical processes, create a virtual copy of the physical world and make decentralized decisions. Over the Internet of Things (IoT), cyber-physical systems communicate and cooperate with each other and with humans in real-time both internally and across organizational services offered and used by participants of the value chain.

ENABLING OBJECTIVES

- Understand Industry 4.0 components such as : Automation, Data Exchanges, Cloud, Cyber-physical systems, Robots, AI, Big Data, Deep Machine Learning, Internet of Things
- List key requirements for qualifying a factory or system as Industry 4.0
- Explore Impact of Lean manufacturing, Cloud Computing, Cyber Security, IoT etc
- Strategize change management plan to support Industry 4.0 and innovation
- Become aware of data security issues and IT security principles.

COVERAGE

- Demystifying Industry 4.0
- Leading Industry 4.0
- Leadership Capabilities thru' Industry 4.0
- Key Industry 4.0 Technologies
- Aligning Industry 4.0 and Strategies
- Design Principles of Industry 4.0
- Automation Pyramid and new Business Models in Industry 4.0
- Building Blocks of Industry 4.0 – Cyber Physical Systems

METHODOLOGY

The program will be conducted in an interactive environment providing greater scope for discussions. Emphasis will be on a highly participative style of learning. The faculty will act as provocateurs and resource persons and demonstrate application oriented studies in a professional manner.

TARGET PARTICIPANTS

Engineers & Managers from all Functions Engineering / Manufacturing / Business Excellence / Administration / Materials Management / Planning / Maintenance & Outsourcing from all Government, Public and Private sector organizations. Professionals seeking up-to-date knowledge of the methods, principles and practice the latest trends in technology.

PROGRAMME VENUE, DATES & TIMINGS

Venue: Engineering Staff College of India, Gachibowli, Hyderabad – 500 032.

Dates: 18 – 19 June, 2019 (2 Days)

Timings: On the first day Registration will commence at 0900 hrs. On all other days the program timings will be from 0945 -1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

Shri D. Sheshadri – Head, Quality & Productivity Division, Engineering Staff College of India.

FACULTY

Eminent Professionals with rich experience in the relevant field will share the sessions.

COURSE FEE

Rs.10,000/- (Residential) + 18% GST per participant. Fee includes, course material, course kit, **twin – sharing AC accommodation**, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training program.

Goods and Services Tax as applicable is to be paid extra over and above the training fee, as training is also under the purview of GST.

Our Goods and Services Tax registration Provisional ID No 36AAATT3439Q1ZV and PAN Card No.AAATT3439Q.

MODE OF PAYMENT:

Program fee is to be paid in favour of **"IE (I) - Engineering Staff College of India"** in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by Electronic Fund Transfer (EFT) to ESCI – SB A/c No. 912010049234564 with **Axis Bank Ltd., Gachibowli branch,** Old Mumbai Highway, Cyberhills Colony, P Janardhan Reddy Nagar, Gachibowli, Hyderabad – 500032, T.S., by NEFT/ RTGS/ IFSC Code No. UTIB0000733 – MICR No.500211020.

While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and program title.

REGISTRATION

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile, telephone and fax number of the participant along with the details of mode of payment of fee and addressed to:

The Head
Quality & Productivity Division
Engineering Staff College of India
Gachibowli, Hyderabad – 500 032
Direct Phones: 040 – 66304110, 4109, 4108, 4132, 4133 Fax : 040-30995226, Mobile : 9866114616
Email: qp@escihyd.org Web site: www.escihyd.org

CERTIFICATE

A certificate of participation will be awarded on conclusion of the program.