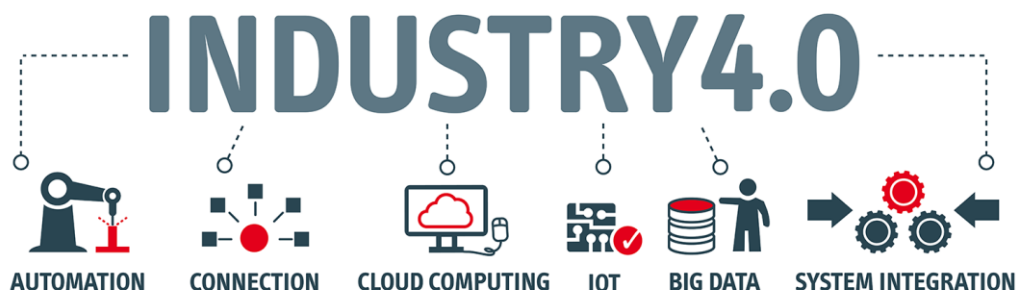




Confederation of Indian Industry

DRAFT

**CII – Bosch Exclusive Workshop on
Industry 4.0: Intelligent Solutions for Connected Manufacturing
Thursday - Friday, 8 & 9 March 2018 : Bengaluru**



Context

The world today has entered a new industrial era. Industry 4.0, the 4th industrial revolution, smart manufacturing, digital factories ... are some of the phrases being used today to describe a series of game-changing innovations that are changing the way products are manufactured forever. To remain competitive, manufacturing companies need knowledge, training and state-of-the-art information and communication technology to improve productivity, shorten product development cycles and mass produce customised products as efficiently and cost effectively as possible.

Industry 4.0 is expected to revolutionise industrial production and industrial companies globally are expected to generate 3.6% p.a. in cost reductions over the next five years, driven by internal improvements and by working more closely across value chains.

Though Industry 4.0 is the need of the hour and it bodes well for manufacturing as a whole, the scenario for Indian manufacturing is somewhat different, even though the aim is to increase the share of the manufacturing sector to GDP to 2020 by 25 %. The manufacturing narrative for India thus necessitates building the Digital Enterprise for the country.

Under Industry 4.0, machines and products can communicate so they can manage the Manufacturing ecosystem taking into account the dynamics of Demand - Supply. Software-based systems and service platforms will play a major role in tomorrow's manufacturing; they are the only way to bring connectivity, including data analysis, to machines and work pieces in production.

This new era of digitization is expected to bring about numerous opportunities in terms of growth and efficiency.

Industry 4.0 is driven by four disruptions:

- 1) The rise in data volumes, computational power, and connectivity, especially new low power wide area networks.
- 2) The emergence of analytics and business intelligence capabilities.
- 3) New forms of human machine interaction such as touch interfaces and augmented reality systems.
- 4) Improvements in transferring digital instructions to the physical world, such as advanced robotics and 3D printing.

In order to support member companies in the application of the Industry 4.0 levers and value drivers, CII Naoroji Godrej Centre of Manufacturing Excellence (CII CME) and Bosch India is pleased to offer a 1.5 days training and plant visit in the Bosch plant at Bidadi, Karnataka on 8 & 9 March 2018

Topics to be covered

Lean manufacturing and I4.0
I4.0 and Technology
Data Analytics for Manufacturing
Data Safety and Security
Augmented and Virtual reality

Benefits

By attending this workshop, participants will gain better understanding of what this 'next industrial revolution' is all about, what implications it may have for their manufacturing business and how their companies could grab the new businesses opportunities.

This workshop, combined with i4.0 showroom and a shopfloor visit, will help you to develop knowledge and awareness on the Smart Solutions and Industry 4.0 concepts and will also facilitate and guide you to navigate through the requirements and realizing the opportunities.

WHO SHOULD ATTEND / TARGET AUDIENCE

- Plant / Manufacturing / Functional Heads**
- Operations / Projects Heads**
- Heads of R&D**
- Research Engineers, etc.**
- IT Head / CIO**
- Middle & Senior level managers in Production / Operations / Planning / Purchase / Supply Chain / Quality / Maintenance / Industrial Engineering / Process Engineering**
- Products and Services providers in Smart Manufacturing Space / System Integrators / Consultants**

Decision Makers, Industrial Manufacturing, Automation, Robotics, and Consultancy space who want to understand the "WHAT" and learn "HOW" to get their organization industry 4.0 ready would also benefit.

Faculty & Speakers

Distinguished and Well-known Industry Experts from Bosch India will address the various topics and sub-themes.

Registration on Day 1	:	9:00 a.m. to 9.45 a.m.
Sessions for both days	:	9.45 a.m. to 5:00 pm (Day 1) 09:45 a.m. to 01:00 pm (Day 2)

Venue : Bosch India Manufacturing Plant, Bidadi, Karnataka

Registration: Prior registration for participation by the companies is necessary.

Number of admissions will be limited to 25 only.

For nominations & enquiries please contact:

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