

**ICT**

*stay connected & succeed*

# SHORT COURSE IN COMPLETIONS & COMMISSIONING ENGINEERING

**IndustriConnect Technologies Pvt Ltd.**

[www.industri-connect.com](http://www.industri-connect.com)



## SHORT COURSE

(2 days, of 5 to 6 hours duration/ day )

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S. No.	Contents	Estimated hours
1	<i>Introduction to Completions philosophy and its benefits</i>	1.0
2	<i>Introduction to Project Completions Systems (PCS) database, reputed 3<sup>rd</sup> party PCS softwares</i>	1.0
3	<i>Project phases, work flow, Completions team composition, Input documents and deliverables</i>	1.0
4	<i>Sample MC check /Test sheets templates</i>	1.5
5	<i>Sample PC Test sheets templates</i>	1.5
6	<i>Preparation of MC &amp; PC Work packs with associated documents</i>	1.0
7	<i>Automation vendor's FAT management</i>	1.0
8	<i>Review of Vendor's SAT procedure and preparation of CTP for Automation systems as per project requirements with Case study</i>	3.0



## EXECUTIVE SUMMARY OF SHORT COURSE

- *This course is intended to provide a brief working knowledge of all the phases of an automation project from concept to commissioning.*
- *It describes*
  - *Interpretation of design & engineering documentation involved*
  - *Standards & recommended practices to be followed*
  - *Concepts of completions philosophy ( installation, testing & commissioning of automation equipment)*
  - *Concepts of commissioning engineering (multi disciplinary commissioning of a plant / unit)*
  - *Vendor management*
  - *Intersectional coordination in an organization*
- *It also gives an introduction to IOT & IIOT principles as applicable to industrial automation*
- *To get a feel of an industrial application of automation, a demo software from a reputed automation vendor will also be shown*



## WHO CAN ATTEND SHORT COURSE

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- *This course is suitable for:*
  - *Students intending to pursue automation as their career and also those who intend to take up industrial automation project in their final year of college as part of their curriculum*
  - *Fresh automation professionals in industry*
  - *Industry professionals from other disciplines (chemical, mechanical, electrical and electronics disciplines) who would like to understand the concept of Completions and Commissioning engineering & role of industrial automation in their projects.*
  - *College faculty members*



## FACULTY & CORE TEAM MEMBERS

### FOUNDER & DIRECTOR



Name: Vinay Avanchi

Qualifications: B.E.(Electrical),M.E.(Control systems)

Experience: Around 38 yrs in Industrial Automation

Activities Handled:

-System design & Detailed Engineering

-Project Completions & Commissioning engineering

Employers worked with / industries:

-S.Korea:Samsung Heavy Industries ([www.samsungshi.com/eng](http://www.samsungshi.com/eng))

Offshore Oil & gas (FLNG/FPSO hull side)

-India: SAIL (Steel & Fertilizer Plants) (<http://www.sail.co.in>)

MECON Ltd.(Steel, Chemical & allied industries)([www.meconlimited.co.in](http://www.meconlimited.co.in))

Memberships : Senior member & Programme Manager-Events, International Society of Automation, Bangalore section, [www.isabangalore.org.in](http://www.isabangalore.org.in)

Fellow, IETE-Institution of Electronics & Telecommunication Engineers, Bangalore section

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## FACULTY & CORE TEAM MEMBERS

### MANAGER (AUTOMATION)



Name: SUJIT HARODE

Ex. Manager ( ICSS/Automation) E&I Dept. Daewoo Shipbuilding and Marine Engineering

Certified Functional Safety Engineer (TUV Rheinland,Germany)

Certified DCS Programmer (FOXBORO, Invensys)

Qualifications: BE. Instrumentation & Controls (Automation)

Experience: Around 13 yrs in Industrial Automation

Activities Handled:

- Control System design & Detailed Engineering
- Project Completions & Commissioning engineering
- Safety Requirement Specification (SIL/SIS)
- DCS/PLC/Intools- Onshore/Offshore/Refinery/Petrochemical Plant

Employers worked with / industries:

- South Korea : Daewoo Shipbuilding & Marine Eng./ Samsung Heavy Ind. Ltd. /Hyundai Heavy Ind. Ltd
- Invensys(Shneider electricals)- India

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**THANK YOU**

