CRASH COURSE IN
INDUSTRIAL AUTOMATION

IndustriConnect Technologies Pvt Ltd.
www.industri-connect.com
**CRASH COURSE**  
(1 day, on Saturdays OR Sundays, 10.00 a.m. to 4.00 p.m. with 1 hour lunch)

<table>
<thead>
<tr>
<th>S. No</th>
<th>Contents</th>
<th>Estimated hours</th>
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<tbody>
<tr>
<td>1</td>
<td><em>Introduction to industrial Automation</em></td>
<td>1</td>
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<tr>
<td>2</td>
<td><em>Interpreting and understanding major design &amp; engineering documents</em></td>
<td>2</td>
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<tr>
<td></td>
<td>(P&amp;ID, System configuration diagram, I/O list, Loop diagrams, Logic</td>
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<td></td>
<td>diagrams, data sheets)</td>
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<td>3</td>
<td><em>Brief introduction to ISA Standards &amp; coordination with other disciplines</em></td>
<td>0.5</td>
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<td></td>
<td>(Process, Mech, Electrical, civil)</td>
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<td>4</td>
<td><em>Introduction to IOT (Internet of things) &amp; IIOT (Industrial internet of things)</em></td>
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<td>5</td>
<td><em>Demonstration of commercial simulation softwares for process control</em></td>
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<td>6</td>
<td><em>Introduction to FAT, Site Installation, calibration, loop testing &amp; logic testing of Automation equipment</em></td>
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06 January 2017
This course is meant for anyone new to industrial automation field but willing to get an overview of various activities that are involved in executing an automation project.

Typically, it introduces all the phases of an automation project from concept to commissioning.

It describes:
- Introduction to field instrumentation equipment & Control systems
- Design & engineering documentation involved
- Standards & recommended practices to be followed
- Installation, testing & commissioning of automation equipment

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 CRASH COURSE

Anyone interested in getting a quick overview of Industrial Automation discipline, typically:

- Engineering college students
- Fresh automation professionals
- Senior management professionals
- Industry Professionals from other disciplines (Electrical, Electronics, Chemical & Mechanical & Metallurgical)
- College faculty members
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)
  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)
Memberships: Senior member & Programme Manager-Events, International Society of Automation, Bangalore section, www.isabangalore.org.in
Fellow, IETE-Institution of Electronics & Telecommunication Engineers, Bangalore section
Contact: vinay_avanchi@yahoo.com, vinay.avanchi@industri-connect.com
Mob: +91-7760005270
| **Senior Technical Advisor (Automation)** | **Name:** C.B.B. Sarma  
Ex. Vice President (Automation & Electrical)  
Samsung Heavy Industries, South Korea  
**Qualifications:** MSc. Tech Instrumentation/ Diploma Micro-processors  
**Experience:** Around 44 yrs in Industrial Automation  
*Activities Handled:*  
- System design & Detailed Engineering  
- FMEA/ Functional Safety/ Onshore/Offshore/Steel Plants/Chemical Plants, Power Management Systems  
**Employers worked with / industries:**  
- S.Korea: Samsung Heavy Industries (www.samsungshi.com/eng)  
- Offshore Oil & gas (FLNG/FPSO hull side)  
- MECON ltd.(Steel, Chemical & allied industries)(www.meconlimited.co.in)  
**Memberships:** Senior member, International Society of Automation, Bangalore section, www.isabangalore.org.in  
**Contact:** cbbhyd@gmail.com, cbbhyd@industri-connect.com  
**mob:** +91-8008412332 |
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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mob: +91-9158676688
THANK YOU