

## **DONBOSCO** Technical Institute



DON BOSCO TECHNIQUE - FIDAR

### **offers AUTOMATION Courses for PLC/HMI**

The candidates learn how to program and troubleshoot PLC and HMI system with hand tools on products during the whole course in our BECKHOFF equipped labs.

BECKHOFF specialist will be conducting the course and certification will be given to all candidates who pass the 4 courses.

## **BECKHOFF** New Automation Technology

Duration of the course: 7 months (120 hrs)

Three days per week: Tuesday, Wednesday and Thursday

Time: From 6:00 pm till 8:00 pm

### The course is divided into four levels:

- Level 3: (30 hrs) from 00/00/2016 till 00/00/2016  
Cost: 350\$

### Main SPONSOR:



For more information: 09-478331-2 / 70-120860

Fax :09-478330

# DONBOSCO Technical Institute

Sponsored by Industrial Technologies S.A.L (ITEC)

**Industrial Automation (PLC)**

**Syllabus course 2016**

**by Level**

**Level 3:** VISUALISATION & INDUSTRIAL COMMUNICATION

## **MODULE6: INDUSTRIAL COMMUNICATION PROTOCOLS**

- RS232/RS485 Interface Standard
- Modbus Protocol
- Profibus Protocol
- Industrial Ethernet
- ETHERCAT
- Profinet Protocol

## **MODULE7: SCADA SYSTEM SOFTWARE**

- Components of a SCADA system
- Software design of SCADA packages
- Configuration of SCADA systems
- Building the user interface
- Connecting to PLCs and other hardware
- Develop a SCADA Application

### **Aim of third level:**

By completing this level the student will be able to integrate several protocols with a single controller as well will be familiar with SCADA/ HMI software and create visual interfaces.

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**Syllabus course 2016**

All Courses are presented by Eng. Roy Samia



Roy has over 12 years experience in designing, developing and commissioning complete automation, SCADA and instrumentation systems for different high end market sectors such as oil & Gas, Water & Wastewater, Food & Beverage,...

His areas of special interest include PLCs, SCADA systems, process control and programming.

Having spent many years in programming and troubleshooting PLC and SCADA applications and has extensive experience in multiple well known brands such as BECKHOFF, SIEMENS, ABB, SCHNEIDER ELECTRIC, ALLEN BRADLEY, WONDERWARE,...

Roy is an active member of ISA (The International Society of Automation) and is currently heading the Power and Automation division at EMCO Engineering Group specialized in providing water solutions for different market sectors.