

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 4: (30 hrs) from 00/00/2016 till 00/00/2016
Cost: 500\$

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 4: OPTION 1: BUILDING MANAGEMENT SYSTEMS

MODULE8: INTRODUCTION TO BUILDING MANAGEMENT SYSTEM

- Introduction to different control aspect for Building systems (HVAC, Lighting, Chillers...)
- Introduction to Bus systems used for Building Management system (EIB, DALI, Bacnet...)

MODULE9: BUILDING MANAGEMENT USING TWINCAT

- Presentation of BECKHOFF Components used in Building Management systems
- Explore TWINCAT BA Library used in developing building Automation application
- System Architecture and Planning
- Implementing Lighting Control
- Implementing HVAC Control
- Interface with other Subsystems
- Programming and simulation of an application

Aim of fourth level –Option1:

By completing this option the student will be able to develop, integrate and program a complete building management system

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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.