



Industrial Automation Training on PLC and HMI

Venue:	NCRA, NUST College of E&ME
Min No of participants per batch:	15 Students
Fee per participants:	PKR 15,000 *

Industrial Automation Training In collaboration with NCRA | 5 Days

Days	Topics
Day 1	 Introduction to Microcontroller, Relay Logic and Logic Gates Introduction to PLC Introduction to Ladder Logic Introduction to HMI, SCADA & DCS Introduction to Architecture/Internal Structure Introduction to PLC Vendors
Day 2	 PLC Programming(Ladder Logic) Introduction to Siemens TIA Portal Introduction to Siemens TIA Portal Introduction to Siemens TIA Portal Introduction to Siemens S7-1200





	Introduction to HMI Development
Day 3	Basics of Instrumentation
	 Practical (Limit Switch Types and Programming)
	 Practical (Relay Connection and its controlling via PLC)
	Compare, Analogue Scaling
	Practical (Temp and Pressure Control)
	Task Assignment
Day 4	 Introduction to Conversion Operators
	 Analog to Digital Converter and Vice Versa
	 Practice (Cooling system programming via fan)
	Motor Control by VFD
	Motor Control by programming
	Task Assignment
Day 5	 Introduction to other PLC Programming Languages
	Topic: HMI and PLC Interface
	Practice
	Evaluation
	Task/Project

Point of Contact:

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