

Course Title	<b>ROCKWELL AUTOMATION PLC PROGRAMMING AND APPLICATIONS (SLC 5/04)</b>																							
Purpose	Upgrading Programming skill in PLC for Industrial Automation																							
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience																							
Duration	02 weeks																							
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																							
Learning outcomes	After completion of training the candidate will 1. Able to understand the use and application of PLC in Industries 2. Understanding and practicing PLC programming using SLC 5/04																							
Teaching methods	1 Lectures in class room. 2 Practice sessions 3 Group exercises 4 Demonstrations. 5 Valediction sessions.																							
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AIDS	LCD projector, white board, Computer, PLC.																							
Instruction material	Softcopy of course material																							

Course Title	<b>ROCKWELL AUTOMATION SCADA PROGRAMMING AND APPLICATIONS (FACTORY TALK ACTIVATION)</b>																							
Purpose	Upgrading skill in SCADA Programming																							
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience and Knowledge of PLC Programming.																							
Duration	01 weeks																							
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																							
Learning outcomes	After completion of training the candidate will <ol style="list-style-type: none"> <li>1. Able to understand the use and application of SCADA in Industries</li> <li>2. Understanding and practicing SCADA programming using Factory Talk Automation</li> </ol>																							
Teaching methods	<ol style="list-style-type: none"> <li>1 Lectures in class room.</li> <li>2 Practice sessions</li> <li>3 Group exercises</li> <li>4 Demonstrations.</li> <li>5 Valediction sessions.</li> </ol>																							
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AIDS	LCD projector, white board, Computer, PLC & SCADA																							
Instruction material	Softcopy of course material																							

Course Title	<b>SIEMENS PLC PROGRAMING AND APPLICATIONS (S7 315)</b>																							
Purpose	Upgrading skill Programming of PLC																							
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience																							
Duration	02 weeks																							
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																							
Learning outcomes	After completion of training the candidate will 1. Able to understand the use of PLC for Industrial Automation 2. Have upgraded skill in PLC programming																							
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AIDS	LCD projector, white board, Computer and PLC																							
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Course Title	<b>SIEMENS SCADA PROGRAMMING AND APPLICATIONS (Win CC)</b>																							
Purpose	Upgrading skill in SCADA Programming																							
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience and Knowledge of PLC Programming																							
Duration	01 weeks																							
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																							
Learning outcomes	After completion of training the candidate will 1. Able to understand the use of SCADA in automation Industries. 2. Have upgraded skill in SCADA Programming.																							
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Instruction material	Softcopy of course material																							

Course Title	<b>PLC PROGRAMMING AND APPLICATIONS (Rockwell Automation SLC 5/04 &amp; Siemens S7 315)</b>																							
Purpose	Upgrading Programming skill in PLC for Industrial Automation																							
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience																							
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Course Title	<b>SCADA PROGRAMMING AND APPLICATIONS (Rockwell Automation Factory Talk Activation &amp; Siemens Win CC)</b>																							
Purpose	Upgrading skill in SCADA Programming																							
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience and Knowledge of PLC Programming.																							
Duration	01 weeks																							
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																							
Learning outcomes	After completion of training the candidate will <ol style="list-style-type: none"> <li>1. Able to understand the use and application of SCADA in Industries</li> <li>2. Understanding and practicing SCADA programming using Factory Talk Activation &amp; Win CC</li> </ol>																							
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AIDS	LCD projector, white board, PLC Hardware and Software, Computer and SCADA																							
Instruction material	Softcopy of course material																							

Course Title	<b>ROCKWELL AUTOMATION MICROLOGIXS 1400 AND CONTROL LOGIXS L56 PLC &amp; SCADA PROGRAMMING</b>																																			
Purpose	Upgrading Programming skill in PLC & SCADA for Industrial Automation																																			
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience																																			
Duration	02 weeks																																			
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																																			
Learning outcomes	After completion of training the candidate will 1. Able to understand the use and application of PLC in Industries 2. Understanding and practicing PLC & SCADA programming using Micrologixs 1400 and																																			
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Course Title	<b>INTRODUCTION AND PROGRAMMING OF MICROPROCESSOR AND MICROCONTROLLER</b>																							
Purpose	Upgrading skill in understanding use and application of Microprocessor and Microcontroller																							
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience																							
Duration	02 weeks																							
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																							
Learning outcomes	After completion of training the candidate will 1. Able to understand concept of Microprocessor and Microcontroller 2. Have upgraded skill in programming of Microprocessor and Microcontroller																							
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	<b>1</b>	Admission/ Introduction of the course subject	Introduction to Microprocessor and PIN diagram of 8085																					
	<b>2</b>	Architecture of 8085	Instruction set of 8085																					
	<b>3</b>	Programming	Practice																					
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	<b>6</b>	Introduction to Microcontroller and PIN diagram of 8051	Architecture of 8051																					
	<b>7</b>	Instruction set of 8051	SFR																					
	<b>8</b>	Programming	Practice																					
	<b>9</b>	Practice	Practice																					
	<b>10</b>	Practice	Feedback / Validation																					
AIDS	LCD projector, white board, Microprocessor and Microcontroller Kit																							
Instruction material	Softcopy of course material																							

Course Title	<b>COMPUTER AWARENESS AND MS OFFICE</b>																							
Purpose	Upgrading skill in MS Word, MS Excell, MS Powerpoint and Internet																							
Eligibility	SSC																							
Duration	02 weeks																							
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																							
Learning outcomes	After completion of training the candidate will <ol style="list-style-type: none"> <li>1. Able to understand computer, functioning of different parts</li> <li>2. Able to work on MS Word, MS Excell, MS Powerpoint and Internet</li> </ol>																							
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	<b>1</b>	Admission/ Introduction of the course subject	Features of Computer, functioning of different parts																					
	<b>2</b>	Understanding MS Word	Practice																					
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	<b>8</b>	Understanding Internet and e-mail	Practice																					
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AIDS	LCD projector, white board, Computer with MS Office																							
Instruction material	Softcopy of course material																							

Course Title	<b>Networking , Fiber Optic Systems and Cable Splicing</b>																							
Purpose	Upgrading skill in Networking, Fiber Optic Cables, OFC Splicing																							
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience																							
Duration	01 weeks																							
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																							
Learning outcomes	After completion of training the candidate will 1. Able to understand the use and application of SCADA in Industries 2. Understanding and practicing SCADA programming using Factory Talk Automation																							
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	<b>2</b>	<i>Various features of SCADA</i>	<i>Demonstration</i>																					
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AIDS	LCD projector, white board, Crimping tools, OFC Splicing Machine																							
Instruction material	Softcopy of course material																							

Course Title	<b>MAINTENANCE AND SERVICING OF ELECTRONIC TEST EQUIPMENTS</b>																						
Purpose	Upgrading skill in Maintenance and Servicing of Electronics Test Equipments																						
Eligibility	Degree/Diploma in relevant branch of engineering or NTC/NAC with 2-3 years relevant trade experience																						
Duration	01 weeks																						
Location	ADVANCED TRAINING INSTITUTE, MUMBAI																						
Learning outcomes	After completion of training the candidate will <ol style="list-style-type: none"> <li>1. Able to understand the use and application of SCADA in Industries</li> <li>2. Understanding and practicing SCADA programming using Factory Talk Automation</li> </ol>																						
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AIDS	LCD Projector, white board, CRO, DMM, Signal Generator, Function Generator, Q Meter and Pattern Generator
Instruction material	Softcopy of course material