

**APEX HI-TECH INSTITUTE - BANGALORE**  
**TRAINING CALENDAR FOR THE YEAR 2014-15**

Course Code	Course Name	Entry Level	Duration in Weeks	From	To
	<b>COMMUNICATION TECHNOLOGY</b>				
CT01	Analog & Digital Circuits and Design	Level - 1	2	21.04.14 10.11.14	02.05.14 21.11.14
CT02	Electronic Testing, Troubleshooting & Maintenance	Level - 2	2	12.05.14 24.11.14	23.05.14 05.12.14
CT03	Modulation Techniques & Coding	Level - 2	2	02.06.14 08.12.14	13.06.14 19.12.14
CT04	Antenna and Wave Propagation	Level - 2	2	23.06.14 22.12.14	04.07.14 02.01.15
CT05	Wireless Communication & Networking	Level - 3	2	14.07.14 05.01.15	25.07.14 16.01.15
CT06	Microwave, Radar and Satellite Communication	Level - 3	2	04.08.14 19.01.15	14.08.14 30.01.15
	<b>Eligibility:</b> <b>For CT01: Diploma/NAC/NTC in the relevant area</b> <b>For CT02 – 04: BE/Diploma/NTC/NAC who have undergone course in Level 1 in Comm. Technology</b> <b>For CT05 - 06 : BE/Diploma/NTC/NAC who have undergone course in Level 2 in Comm. Technology</b>				
	<b>DRIVES &amp; CONTROL</b>				
DC01	Electrical Drives & Control Systems	Level - 1	2	18.08.14 02.02.15	28.08.14 13.02.15
DC02	Maintenance of Electrical Drives	Level - 2	1	08.09.14 16.02.15	12.09.14 20.02.15
	<b>Eligibility:</b> <b>For DC01: BE/Diploma/NAC/NTC in the relevant area</b> <b>For DC02 : BE/Diploma/NTC/NAC who have undergone course in Level 1 - Drives &amp; Control</b>				
	<b>GREEN TECHNOLOGY</b>				
GT01	Testing & Maintenance of Solar Energy Systems	Level - 1	1	07.04.14 13.10.14 02.03.15	11.04.14 17.10.14 06.03.15

GT02	Testing & Maintenance of Wind Energy Systems	Level - 1	1	16.06.14 27.10.14 09.03.15	20.06.14 31.10.14 13.03.15
GT03	Maintenance of Solar Batteries & Inverters	Level - 1	1	15.09.14 16.03.15	19.09.14 20.03.15
<b>Eligibility:</b> <b>For GT01 - 03: BE/Diploma/NTC/NAC in any relevant area</b>					
<b>MECHATRONICS WORKSHOP</b>					
MT01	Hydraulic Power & Pneumatic Controls, Sensors and Actuators	Level - 1	1	07.04.14 07.07.14 13.10.14 05.01.15	11.04.14 11.07.14 17.10.14 09.01.15
MT02	Hydraulic Circuit Design & analysis	Level - 2	2	14.04.14 14.07.14 27.10.14	25.04.14 25.07.14 31.10.14
MT03	Embedded C Programming for Microcontroller 8051	Level - 1	1	05.05.14 04.08.14 26.01.15	09.05.14 08.08.14 30.01.15
MT04	Design & Development of Projects using 8051 Microcontrollers	Level - 2	1	19.05.14 18.08.14 17.11.14 02.02.15	23.05.14 22.08.14 21.11.14 06.02.15
MT05	Fluid Power System Control using Siemens PLC	Level - 3	1	02.06.14 01.09.14 24.11.14 09.02.15	06.06.14 05.09.14 28.11.14 13.02.15
MT06	Industrial automation using Allen Bradley PLC	Level - 3	1	09.06.14 08.09.14 01.12.14 16.02.15	13.06.14 12.09.14 05.12.14 20.02.15
MT07	SCADA Programming & Applications using WINCC	Level - 4	1	16.06.14 15.09.14 08.12.14 23.02.15	20.06.14 19.09.14 12.12.14 27.02.15
MT08	SCADA Programming & Applications using RS VIEW	Level - 4	1	23.06.14 22.09.14 15.12.14 02.03.15	27.06.14 26.09.14 19.12.14 06.03.15
MT09	Measurement, Data Acquisition and Signal Conditioning	Level - 1	1	10.11.14	14.11.14

				19.01.15 09.03.15	23.01.15 13.03.15
	<b>Eligibility:</b> <b>For MT01, MT03, MT09 : BE/BTech/Diploma/NAC/NTC in relevant area</b> <b>For MT02 : BE/BTech/Diploma/NAC/NTC who has undergone course in Level1 in Hydraulics &amp; Pneumatics</b> <b>For MT04 : BE/BTech/Diploma/NAC/NTC who has undergone course in Level 1 in Microcontroller</b> <b>For MT05, MT06 : BE/BTech/Diploma/NAC/NTC in relevant area who has undergone course in Level 2 in Hydraulics &amp; Pneumatics</b> <b>For MT07, MT08 : BE/BTech/Diploma/NAC/NTC in relevant area who has undergone course in Level 3 in Siemens &amp; Allen Bradley PLC</b>				
	<b>CNC</b>				
CNC01	CNC Machine & Its Fundamentals	Level - 1	1	07.04.14 21.04.14 28.04.14 26.05.14 16.06.14 13.10.14 27.10.14 09.02.15	11.04.14 25.04.14 02.05.14 30.05.14 20.06.14 17.10.14 31.10.14 13.02.15
CNC02	Programming & Simulation of CNC Turning with NC Guide for FANUC Control	Level - 2	2	07.07.14 08.12.14	18.07.14 19.12.14
CNC03	Programming & Simulation of CNC Turning with Sinutrain ShopTurn for Siemens Control	Level - 2	2	12.05.14 21.07.14 29.12.14	23.05.14 01.08.14 09.01.15
CNC04	Programming & Simulation of CNC Machining with NC Guide for FANUC Control	Level - 2	2	09.06.14 04.08.14 19.01.15	20.06.14 14.08.14 30.01.15
CNC05	Programming & Simulation of CNC Machining with Sinutrain ShopMill for Siemens Control	Level - 2	2	23.06.14 02.02.15	04.07.14 13.02.15
CNC06	CNC Turn Mill with Fanuc Oi-TB: Settings & Operation	Level - 3	2	07.07.14 08.12.14	18.07.14 19.12.14
CNC07	CNC Turning with Siemens 828 D SL : Setting & operation	Level - 3	2	21.07.14 29.12.14	01.08.14 09.01.15
CNC08	CNC Milling with Fanuc Oi-Mate MD: Settings & Operation	Level - 3	2	04.08.14 10.11.14 19.01.15	14.08.14 21.11.14 30.01.15

CNC09	PLC Programming & Its application in CNC Machines	Level - 4	2	18.08.14 16.02.15	28.08.14 27.02.15
CNC10	CNC Machine Maintenance	Level - 4	2	01.09.14 02.03.15	12.09.14 13.03.15
CNC11	Alarms and Fault diagnostics of CNC Machines	Level - 4	2	01.09.14 02.03.15	12.09.14 13.03.15
CNC12	CNC System Commissioning & Maintenance – Siemens 828 D Control	Level - 4	2	15.09.14	26.09.14
CNC13	CNC System Commissioning & Maintenance – Fanuc Oi MD Control	Level - 4	2	10.11.14	21.11.14
CNC14	Commissioning and Maintenance of Servo Drives of CNC Machine	Level - 4	2	24.11.14	05.12.14
CNC15	Design and Manufacturing using CAD/CAM & CNC	Level - 5	2	16.03.15	27.03.15
<b>Eligibility:</b> <b>For CNC01</b> : BE/BTech/Diploma/NAC/NTC in relevant area <b>For CNC02–CNC08</b> : BE/BTech/Diploma/NAC/NTC who has undergone course in Level 1 in CNC <b>For CNC09-CNC14</b> : BE/BTech/Diploma/NAC/NTC in relevant area who has undergone course in Level 3 in CNC with Fanuc / Seimens <b>For CNC15</b> : BE/BTech/Diploma/NAC/NTC in relevant area who has undergone course in Level 2 & 3 in CNC					
<b>PRECISION MEASUREMENT LAB</b>					
PM01	Precision Measurement using Co-ordinate Measuring Machine	Level - 1	1	18.08.14 01.12.14	22.08.14 05.12.14
PM02	Precision Measurement using Roundness Measuring Machine	Level - 1	1	22.09.14 23.02.15	26.09.14 27.02.15
PM03	Profile Measurement using Profile Projector	Level - 1	1	13.10.14	17.10.14
PM04	Video measuring system & Application	Level - 1	1	27.10.14	31.10.14
<b>Eligibility:</b> <b>For PM01 -PM04</b> : BE/BTech/Diploma/NAC/NTC in the relevant area with knowledge of basic measurement & computers					
<b>CAD / CAM Lab</b>					

CAD01	Digital Prototyping using AutoCAD	Level - 1	2	21.04.14 07.07.14 20.10.14 05.01.15 16.03.15	02.05.14 18.07.14 31.10.14 16.01.15 27.03.15
	<b>Eligibility:</b> <b>For CAD01 : BE/BTech/Diploma in the relevant area</b> <b>NTC/NAC in Engineering Trade. Basic Knowledge of computer operation</b>				
WD01	Web Designing for Beginners	Level - 1	2	07.04.14 05.05.14 16.06.14 21.07.14	17.04.14 16.05.14 27.06.14 01.08.14
WD02	Professional Web Designing using Dreamweaver	Level - 2	2	07.10.14 24.11.14 19.01.15 16.02.15	17.10.14 05.12.14 30.01.15 27.02.15
	<b>Eligibility:</b> <b>For WD01 : BE/BTech/Diploma in the relevant area</b> <b>NTC/NAC in COPA/ITESM/Basic Knowledge of computer operation</b> <b>For WD02 : BE/BTech/Diploma/NTC/NAC in the relevant trade who has undergone course in Level 1</b>				
MS01	Managerial Skills for Principals of ITIs		1	12.05.14 08.09.14 03.11.14 19.01.15	16.05.14 12.09.14 07.11.14 23.01.15
SS01	Soft Skills		1	05.05.14 30.06.14 07.10.14 22.12.14 09.02.15	09.05.14 04.07.14 10.10.14 26.12.14 13.02.15
ES01	Employability Skill		2	14.04.14 02.06.14 15.09.14 03.11.14 09.03.15	25.04.14 13.06.14 26.09.14 14.11.14 20.03.15
	<b>Eligibility:</b> <b>For MS01 : Principals of ITIs</b>				

	<b>For SS01 &amp; ES01 : ITI Instructors</b>
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