

Centre for Electronics Test Engineering, Kolkata

Short-Term Training Calendar: April 2010 – March 2011

Sr. No	Course Title	Day (s)	Fee (Rs)*	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
A	INDUSTRIAL AUTOMATION														
01	SIEMENS S7– 200 PLC	5	10000	05 – 09						04 – 08					
02	SIEMENS S7 – 300 PLC	5	10000	19 – 23						25 – 29		06 – 10			07 – 11
03	SIEMENS S7 – 400 PLC	5	12000		03 – 07						08 – 12				
04	SIEMENS S7 – 300 & 400 PLC	10	18000		10 - 21										
05	SIEMENS HMI – WinCC	5	10000			07 – 11					22 – 26				14 – 18
06	SIEMENS PLC Networking (MPI/PROFIBUS)	3	7500			14 – 16								09 – 11	
07	SIEMENS S7 400 Software Redundancy	3	7500											16 – 18	
08	ROCKWELL SLC 500 & PLC 5	5	10000					02 – 06							21 – 25
09	ROCKWELL HMI – RS View32	3	7500					09 – 11			01 – 03				
10	SIEMENS AC Drive: MM4 (MM420/440)	4	8000					16 – 19						31 – 04	
11	SIEMENS Master Drive (VC)	5	10000						06 – 10						
12	SIEMENS DC MASTER 6RA70	4	8000						13 – 16						
13	SIEMENS S5 PLC	5	10000	On request**											
14	SIEMENS HMI – Protool Pro (OP7 / OP17)	3	7500	On request**											
15	SIEMENS 810 GA3 CNC	5	10000	On request**											
16	Industrial Process Control & PID	5	10000	On request**											
17	SIEMENS SCL , CFC & SFC Programming	5	12000	On request**											
18	AC Drive – Installation & Maintenance	4	8000	On request**											
19	SIEMENS PCS7	5	12000	On request***											
20	ROCKWELL Control Logix	5	10000	On request***											

*Service Tax is to be paid as per prevailing rate, in addition to the normal fee. • 10% discount for 3 or more nominations from the same organisation for the same course • 10% discount for Govt / PSUs / Govt. Society (However, such agencies are not eligible for the discount, meant for 3 or more participants) • 25% discount for self sponsored candidates • Course fee will have to be paid by Demand Draft in favour of “Director, ERTL (E)” ; payable at Kolkata on or before the commencement of the course. **TDS not applicable as CETE, Kolkata is a Govt. of India Organisation.**

** For 3 or more nominations. *** On customer supplied product.

In addition to the above calendar courses we can organize **TAILOR-MADE** courses as per customer demand either at CETE or at customer premises (**ON-SITE**).For registration and all enquiries, please contact **Director, Centre for Electronics Test Engineering, C/O.: ERTL (E), Block – DN, Sector-V, Salt Lake, Kolkata-700 091. Telephone: (033) 2367 8498 & 2367 4045; Fax: (033) 2367-8497, Email: cetecal@dataone.in / ceteko@stqc.nic.in**

Confirmation for Registration should be made at least 7 days prior to commencement of the course.

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C	ELECTRONIC MFG. TECHNOLOGY														
21	Zero Defect Soldering	03	6000		17-19						24-26				
22	High Reliability Soldering and Repair of Printed Circuit Board	05	8000	19-23											
23	Rework & Repair of Surface Mount Assemblies	05	8000					9-13							7-11
24	Rework & Repair of PCB Assemblies	03	5000						13-15					16-18	
25	Connectorisation Techniques for Optical Fibres	03	7000				26-28						5-7		
D	REPAIR & MAINTENANCE														
26	Microcontroller and its applications	05	8000		3-7										14-18
27	Application of PIC Controllers	05	12000					23-27							
28	R & M of Linear and Switched Mode Power Supply	05	8000	26-30								6-10			
29	Installation & Routine Maintenance of Personal Computer	05	8000				19-23								
30	Electronics for Electrician	05	8000							25-29				21-25	
31	R & M of UPS	05	8000			7-11									
32	Repair & Advanced Maintenance of PC & Its Peripherals	05	8000								22-26				
33	Application & Maintenance of ECG, EEG & External Pacemaker	04	8000					17-20							
34	Application & Maintenance of Defibrillator Machine & Infusion Pumps	04	8000						6-9						
35	Application & Maintenance of Multiparamonitor & Electro Surgery Unit	04	8000									20-23			
36	Troubleshooting Techniques of Microprocessor Based Equipment	05	8000	On request											
37	Application & Maintenance of ICU & OT Equipment	3 months (part time)	16000**	To be announced on leading Newspapers											

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Sl. No.	Course Title	Days	Fee (Rs)*	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
F	TEST & MEASUREMENT														
38	Advanced Electrical & Non-electrical Measurement Techniques	5	7500	19-23											
39	Dimensional Measurement Techniques	3	5500									14-16			
40	Calibration Techniques for Electrical Parameters	5	7500								8-12				
41	Calibration Techniques for Process Parameters	5	7500						6-10						
42	Calibration Techniques for Dimensional Parameters	4	6000					10-13							
43	Estimation of Uncertainty in Electrical Measurements	2	4000					4-5							
44	Estimation of Uncertainty in Non-Electrical Measurements	2	4000				14-15								
45	Estimation of Uncertainty in Chemical Measurements	2	5000			10-11						20-21			
46	Overview on Non- Destructive Testing	5	7000							4-7					
47	ND Techniques (UT Level I)	6	8000				19-26						24-31		
48	ND Techniques (UT Level II)	10	10000				19-30						24-- 4		
49	ND Techniques (MPT Level II & PT Level II)	4	8000										10-13		
G	QA & MANAGEMENT														
50	Awareness on Laboratory Requirements as per ISO/IEC 17025	2	5000		25-26			30-31							
51	Internal Quality Audit for Laboratories as per ISO/IEC 17025	3	7000						13-15					21-23	
52	Awareness on ISO 9001:2008	2	5000												
53	Calibration System Management	3	7000												
54	Awareness on Medical Laboratory Requirements towards NABL Accreditation	2	5000												
55	Internal Quality Audit for Medical Laboratories as per ISO 15189	3	7000												
56	6 Sigma Characterization for Process Monitoring	3	7000												

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