

## Certificate Course in Repair & Maintenance of Electronic Products

### Objective of the Course:

This course aims at making the students introduced to the working of electronic products used in daily life and to the repair and maintenance of these products.

### Learning Outcomes:

At the end of the course, the participant shall be able to identify the fault, repair & do maintenance of electronic products.

### Expected Job Roles:

Service Technician

**Duration of the Course (in hours)**      80 hrs

**Appr. Fees (INR):**                      Rs.5000/-

**Minimum Eligibility Criteria and pre-requisites, if any**                      10+2 pass or ITI or Diploma or Diploma under going

### Outline of Course

S. No	Topic	Minimum No. of Hours
1.	Introduction to Analog & Digital Electrons	8 hrs
2.	Calibration & Testing of Electronic Equipments	4 hrs
3.	Fundamentals of Microprocessors & Microcontrollers	6 hrs
4.	Soldering techniques	2 hrs
5.	ESD issues	2 hrs
6.	Basic Concepts of Repair & Maintenance	4 hrs
7.	Power supply	4 hrs
8.	Use of Lab Equipments – (DMM, CRO, Function generator etc)	5 hrs
9.	Servicing of Consumer products	5 hrs
<b>Theory / Lecture Hours:</b>		40 hrs
<b>Practical / Tutorial / Lecture Hours:</b>		40 hrs
<b>Total Hours:</b>		80 hrs

**Books recommended for reference and reading:**                      EASY Laser Printer Maintenance & Repair By Stephen J. Bioelow

**Group Code:**      HRMT                      **Group Name:**      Hardware Repair and Maintenance

**Course Code:**      CT01                      **Course Name:**      Certificate Course in Repair & Maintenance of Electronic Products