

Short Term Courses – NIELIT
Certificate Course in PC Assembly & Maintenance

Objective of the Course:

This course enables the students to understand the fundamentals of PC assembly.

Learning Outcomes:

The student will assemble / setup and upgrade personal computer systems; diagnose and isolate faulty components; optimize system performance and install / connect peripherals.

Expected Job Roles:

Service Technician

Duration of the Course (in hours) 80 hrs

Appr. Fees (INR): Rs.4000/-

Minimum Eligibility Criteria and pre-requisites, if any 10th pass

Outline of Course

S. No	Topic	Minimum No. of Hours
1.	Basic of computer, I/O devices	2 hrs
2.	Monitors (CRT/ LCD/LED),Memory	6 hrs
3.	Hard Disk (SATA, USB, Solid State)	2 hrs
4.	Study of different types of Mother Board	4 hrs
5.	Study of different Buses	2 hrs
6.	I/O Ports, graphic cards	2 hrs
7.	Installation of printer / modem /OS /scanner	4 hrs
8.	BIOS set up	2 hrs
9.	Recovery & Trouble shooting	2 hrs
10.	Preventive maintenance & Anti Virus	2 hrs
11.	Networking Fundamentals	2 hrs
Theory / Lecture Hours:		30 hrs
Practical / Tutorial / Lecture Hours:		50 hrs
Total Hours:		80 hrs

Books recommended for reference and reading: Computer assembly & maintenance.

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

Course Code: CT03 **Course Name:** Certificate Course in PC Assembly & Maintenance