

10. RESOURCE REQUIREMENT

10.1 Physical Resources

10.1.1 Space Requirement:

Norms and standards laid down by All India Council for Technical Education (AICTE) may be followed to work out space requirement in respect of class rooms, tutorial rooms, drawing halls, laboratories, space required for faculty, student amenities and residential area for staff and students.

10.1.2 Laboratories/Computer Centre

- a) Digital and Microprocessors Laboratory
- b) Computer Centre

LIST OF EQUIPMENT

Sr No	Particulars	Qty	Estimated Cost per unit
1.	Computer Server	1+1	2,00,000/-
2.	Workstations	180	7,20,000/-
3.	Computer Server	1	2,00,000/-
4.	Unix Nodes	15	30,000/-
5.	Adapter: Ethernet	4	800/-
6.	Switch with 24 port speed 10/100/1000 (manageable)	4	25,000/-
7.	Connectors (RJ-45, RJ-11, BNC, SC, ST) Cables: (UTP,STP,OFC) - 25 m each	100	40/- and 150/- per connector
8.	Colour Scanner:	10	8,000/-
9.	Colour Laser Printer	10	10,000/-
10.	Notebook Computer: CPU –	10	50,000/-
11.	Modem: Chipset –	10	2,000/-
12.	UPS of 10 KVA	3	50,000/-
13.	Router:	2	50,,000/-
14.	Compact Disk R/W: 74 minute/650 MB capacity	100	20/- each
15.	UPS of 5 KVA	2	20,000/-
16.	Plotter	1	25,000/-
17.	Digital Camera	1	15,000/-
18.	External Hard Disk	4	4,000/-
19.	Handy Cam	1	25,000/-
20.	Networking Printers	1	1,25,000/-
21.	Leased Line Connectivity	1	8,00,000/-
22.	Photocopier Compatible with Computer System: Colour Photocopier	1	50,000/-
23.	LCD/DLP Projector	1	75,000/-
24.	Video Conferencing System	1	2,00,000/-
25.	Software as per subject requirement	LS	

26.	Multimedia Tools – Software	1	1,20,000/-
27.	Oracle Work Group Server – Software	1	4,00,000/-
28.	Authorware 4.0 or Latest Commercial Version – Software	1	1,80,000/-
29.	Coral Draw 11.0 latest version – software	1	40,000/-
30.	Macromedia of Director 6.0 or latest version – software	1	50,000/-
31.	Antivirus	1	5,000/-
32.	Developer	1	50,000/-
33.	Java for Internet Environment (latest version) – software	1	20,000/-
34.	CAD/CAM Software IDEAS Artisan Series (latest version) – software	1	20,000/-
35.	Windows, 2007 – software	1	2,000/-
36.	MS Office 2007 – software	1	20,000/-
37.	Page Maker – software	1	5,000/-
38.	Compiler TURBO C, C++ - software, GCC, G++	1	10,000/-
39.	SCO Unix – software 15 users	1	80,000/-
40.	Photo shop – software	1	35,000/-
41.	Digital Board	1	
42.	Integrated Circuits (IC's)	LS	
43.	Macromedia Flash	1	
44.	Turbo C++		
45.	MS Office/Open office		
46.	Oracle, Developer 2000, DBZ		
47.	Redhat Enterprise Server 10		
48.	COST OF COMPONENTS Components cables, and connectors, computer stationery, printer consumables (Ribbon, inks)	LS	2,00,000/-

NOTE:

In addition to above laboratories, computer centre will be required for effective implementation of the course. Provision for overhead projector, TV with VCR facility slide cum strip projector, TV with VCR facility slide cum strip projector, LCD projection System, photocopier, PC-XT facilities, drafting machines etc has also to be made.

10.1.3 Furniture Requirement

Norms and standards laid down by AICTE be followed for working out furniture requirement for this course.

- Furniture for laboratories	3.5 lacs
- Furniture for Computer Centre	2.0 lacs
- Cost of Air Conditioners	3.0 lacs

10.2 Human Resources

Weekly work schedule, annual work schedule, student teacher ratio for various group and class size, staffing pattern, work load norms, qualifications, experience and job description of teaching staff workshop staff and other administrative and supporting staff be worked out as per norms and standards laid down by the AICTE. The website www.aicte.ernet.in may be referred for downloading current norms and standards pertaining to technician courses.