

Details of Computing Facilities with
Major Equipment, Computers, Software and Printers

Sr. No.	Particulars	Availability
1.	No. of Computer Terminals	837
2.	Hardware Specification	
	▪ Intel Core i9	140
	▪ Intel Core i7	337
	▪ Intel Core i5	258
	▪ Intel (R) Xeon (R) +CORE (R)	93
	▪ AI Server	01
	▪ Server	08
	No. of Terminals on LAN/WAN	837
3.	▪ GPU	243
4.	▪ Laptops	03
5.	Relevant Legal Software	See the detailed list attached below
	▪ Application Software	
	▪ System Software	
6.	Printers	Total-53 Laser Printer-48 Laser Printer (All-in-one)-05
7.	LCD Projectors / Touch Smart Board	14 / 24
8.	UPS 40 KV	02
	UPS 20 KV	19
	UPS 10 KV	05
	UPS 7.5 KV	01
	UPS 5 KV	06
9.	Internet Accessibility (in Kbps & hrs)	1000 MBPS Lease Line
Whether the computer facilities are suitable for the existing programmes?		Yes

Laboratory Facilities:

- Personal Computers – The Institute has total 704 PCs. The details of different configurations are given below:

Sr. No.	Configuration	Quantity
1	Intel i7, 14 th Gen PC 16 GB RAM 1 TB SSD	337
2	Intel i5, 10 th Gen PC 8 GB/12GB/16GB RAM 512GB SSD/1TB HDD	179
3	Intel i9, 13 th Gen PC 32 GB RAM 512 SSD, NVIDIA 8 GB GRAPHIC CARD 4060	140
4	Intel (R) Xeon (R) +CORE (R) 16 GB RAM 1TB HDD	39
5	Servers	09
Total		704



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LAN's:

All the computers are configured in different Local Area Networks as per the requirement of different laboratories and activities as per the list below:

Lab No.	Lab Name	Quantity
A401	Programming in C	74
F501	Computer Mathematics	21
B104	Physics Lab 1	01
B204	Physics Lab 2	01
B304	EC Lab	01
B001	EVS Lab	01
B002	Chemistry LB	01
A102	DAA, DS, DWDM	25
A103	DRCV, DSR	25
A104	CN, RLDL	25
A107	DLCD, DSCC	36
C103	SDL, EDADV, CD	40
F601	OOPS, OS	24
F602	SE	24
F603	DAA, DS, OOP	24
F701	DLCD, SE, CN	24
F702	CD, OS	24
C102	CD, WM	18
C105	SE, DAA	30
C302	DLCD, CM	25
C303	Research and Project Lab	22
C304	DS, CN	25
C305	OS, OOPS	24
A303	Soft Computing Lab	20
A308	Advance Control System Lab	10
A306	Project Lab/Research Lab	06
A304	Electronics Lab	02
B004	Machine Lab	02
A302	Advance Process Control Lab	06
A 202	TWA, DBMS, RLDL Lab	25
A 203	OCSN, NAS Lab	12
A 204	AE-I, IOT Lab	07
A 206	DSP, S&S Lab	20
A 207 (A)	Analog Communication, CS Lab	21
A 207 (B)	DCN Lab, CM Lab, PR Lab	23
A 405	Project Lab	35
	Total	704
Library	Library	08
Exam Cell	Exam Cell	04
Admin	Admin	13
Faculties	Cabin/Cubicles/Any other Places	108
	Total	133
	Final Total	837

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LIST OF LICENSED / OPEN SOURCE SOFTWARE

Sr. No.	Software Name	No. of User	Status (Licensed/Open Source)
1.	Code Blocks	Unlimited	Open source
2.	R Studio	Unlimited	Open source
3.	VS Code	Unlimited	Open source
4.	Turbo C	Unlimited	Open source
5.	CISCO Packet Tracer	Unlimited	Open source
6.	HADOOP	Unlimited	Open source
7.	NS3	Unlimited	Open source
8.	LAX	Unlimited	Open source
9.	YACC	Unlimited	Open source
10.	Jupyter Note Book	Unlimited	Open source
11.	Anaconda	Unlimited	Open source
12.	Weka	Unlimited	Open source
13.	Logisim	Unlimited	Open source
14.	GNU8085	Unlimited	Open source
15.	JDK	Unlimited	Open source
16.	My SQL	Unlimited	Open source
17.	SCI KIT	Unlimited	Open source
18.	APACHE TOMCAT	Unlimited	Open source
19.	PHP	Unlimited	Open source
20.	SCI Lab	Unlimited	Open source
21.	GNUSIM8085	Unlimited	Open source
22.	Visual Paradigm	Unlimited	Open source
23.	E-Tap	Unlimited	Open source
24.	AI Prolog	Unlimited	Open source
25.	Python	Unlimited	Open source
26.	Pspice	Unlimited	Open source
27.	Code Composer Studio	Unlimited	Open source
28.	Proteus 8.0 professional	Unlimited	Open source
29.	MIDC Controller	01	Licensed
30.	MS-office 2016 + 2019	Unlimited	Licensed
31.	Matlab Software R2024A (Campus Wide Suite with all toolboxes)	Unlimited	Licensed
32.	Code Blocks	Unlimited	Open source
33.	GNU Sim8085 simulator	Unlimited	Open source
34.	Python 3.12.0	Unlimited	Open source
35.	Xilinx ISE Vivado ML Software	Unlimited	Open source
36.	MENTOR GRAPHICS (HEP1, HEP2)	60	Licensed
37.	MySQL 8.0	Unlimited	Open source
38.	LT Spice	Unlimited	Open source
39.	Scilab	Unlimited	Open source
40.	Anaconda and Jupyter Notebook	Unlimited	Open source
41.	Ubuntu 16 - Open Source	Unlimited	Open source
42.	Ns-3 (Network Simulator -3)	Unlimited	Open source
43.	Visual Studio Code	Unlimited	Open source
44.	OPTISYSTEM V23	07 User	Licensed
45.	CST Studio Suite 2023	25 User	Licensed
46.	R Studio	Unlimited	Open source
47.	Arduino IDE	Unlimited	Open source
48.	Raspberry pi Imager	Unlimited	Open source
49.	Angry IP	Unlimited	Open source

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