

4.3.2 TECHNOLOGY UPGRADATION(OVERALL) 2023 -2024

SNO	NAME OF THE LAB	NO OF COMPUTERS	PROCESSOR	RAM	HARD DISK
1	GROUND FLOOR LAB	60	i7	8GB	1TB
2	FIRST FLOOR LAB	60	i3	4GB	160GB
3	SECOND FLOOR LAB	60	i3	4GB	500GB
4	THIRD FLOOR LAB	60	SERVER:i5	8GB	500GB
5	MP&MC LAB	45	SERVER:i3	16GB	500GB
6	SIMULATION LAB 1 (MECH)	40	i3	4GB	160GB
8	JKC LAB	45	i3	4GB	160GB
9	COMMUNICATION LAB	38	i3	4GB	160GB
10	DIGITAL LIBRARY	15	i3	4GB	160GB
	TOTAL	423			



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4.3.2 STUDENT TO COMPUTER RATIO(2023-2024)

SNO	NUMBER OF STUDENTS UG	NUMBER OF STUDENTS(PG)	TOTAL NUMBER OF STUDENTS	NUMBER OF COMPUTERS	STUDENT TO COMPUTER RATIO
1	1836	176	2012	423	4.75:1



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1. Computers:

SNo	RoomNo	No of computers	Usage-Name of the facility	Configuration	Remarks
1	MAINBLOCK	60	GROUND FLOOR LAB	Processor - i5, RAM: 4GB, HardDisk: 1TB, HardDisk: 500GB	Received in good condition
2	MAINBLOCK	60	FIRST FLOOR LAB	Processor - i3, RAM : 4GB, HardDisk: 1TB, HardDisk: 500GB	Received in good condition
3	MAINBLOCK	60	SECOND FLOOR LAB	Dual Core i3, RAM: 4GB, Hard Disk : 500GB	Received in good condition
4	MAINBLOCK	60	THIRD FLOOR LAB	Dual Core i5, RAM: 8GB, Hard Disk : 500GB	Received in good condition
5	DECENNIAL BLOCK	45	MP & MCLAB	Core i3, RAM: 4GB, Hard Disk : 500GB	Received in good condition
6	MECHANICAL BLOCK	40	SIMULATION LAB (MECH)	Dual Core i3, RAM: 2GB, Hard Disk : 180GB	Received in good condition
7	MAINBLOCK	45	JKCLAB	Dual Core i3, RAM: 4GB, Hard Disk : 160GB	Received in good condition
8	DECENNIAL BLOCK	38	COMMUNICATION LAB	Dual Core i3, RAM: 4GB, Hard Disk : 160GB	Received in good condition
9	MAINBLOCK	15	DIGITAL LIBRARY	Dual Core, i3, RAM: 4GB, Hard Disk : 160GB	Received in good condition

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2..Software Open source:

Sl. No.	Name of the software	Particulars	Date of Installed	Remarks
1	Dev C/C++	IBtech ISem(CSE, CS(AI & ML), CSD, ECE, EEEMECH)	05/04/2016	Software updated, In Working Condition
2	PyCharm	IBtech IISem(CSE, ECE, CS(AI & ML), EEE, MECH)	14/07/2016	Software updated, In Working Condition
3	JAVA	IIBtech ISem(CS(AI & ML)) IIBtech IISem(CSE) I Btech I Sem(ECE)	19/07/2017	Software updated, In Working Condition
4	Android Studio(MADLab)	IIBtech ISem(CS(AI & ML))	19/07/2017	Software updated, In Working Condition
5	Computer Network	IIIBtech ISem(CSE), IIIBtech ISem(CS(AI & ML))	16/08/2016	Software updated, In Working Condition
6	WEKA Tool(DWDM)	IIIBtech ISem(CSE), IIBtech IISem(CS(AI & ML))	06/07/2017	Software updated, In Working Condition
7	RStudio, RTool(R Programming)	IIBtech IISem(CSE)	10/08/2018	Software updated, In Working Condition
8	Visual Paradigm, STARU ML	IIBtech ISem(CSE), IIIBtech ISem(CS(AI & ML), IVBtech ISem(CSE)	08/09/2018	Software updated, In Working Condition
9	MySQL 10G(DBMS)	IIBtech ISem(CSE), IIBtech IISem(CS(AI & ML))	27/08/2016	Software updated, In Working Condition
10	Jupiter Anaconda(AI & ML, NLP)	IIBtech ISem(CS & AIML)	02/02/2017	Software updated, In Working Condition
11	AUTOCAD	IIBtech Mechanical	25/08/2016	Software updated, In Working Condition
12	CATIA.V5	IIBtech Mechanical	08/07/2017	Software updated, In Working Condition
13	ANASIS	IIIBtech Mechanical	04/05/2016	Software updated, In Working Condition
14	XILINX(VHDL)	IIBtech ECE	23/10/2017	Software updated, In Working Condition
15	MATLAB	II, III, IVBtech ECE, EEE	14/11/2016	Software updated, In Working Condition
16	Digital Linguistic Mentor	IBtech ISem(Common To All Branches)	11/11/2014	Software updated, In Working Condition

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4. Servers:

Sl. No.	Room No	Usage—Name of the facility	Configuration	Date of purchase	Remarks
1	Exam Server	Online Exams—Ground Floor Lab, First Floor Lab	Processor-i3, RAM : 4GB, HardDisk: 160GB	6/07/2021	In Working Condition
2	Linux server	NPLab, CNLab (First Floor Lab, ground Floor Lab)	Processor - i3, RAM: 4GB, Hard Disk : 160 GB	30/12/2021	In Working Condition
3	2003 Server (Windows)	Thin Client (Third Floor Lab)	Processor-i3, RAM : 8GB, HardDisk: 160GB	30/12/2021	In Working Condition

5. Other items like switch etc:

Sl. No.	Room No	Usage Name of the facility	Specifications	Remarks
1	Main block	Ground Floor Lab	24-port, D-Link, 10/100 Switch, DES-1024C	In Working Condition
2	Main Block	First Floor Lab	24-port, D-Link, 10/100 Switch, DES-1024C	In Working Condition
2	Main Block	Second Floor Lab	24-port, D-Link, 10/100 Switch, DES-1024C	In Working Condition
3	Decennial Block	4 (Third Floor Lab)	24-port, D-Link, 10/100 Switch, DES-1024C	In Working Condition
4	Main Block	1 (MP & MCLab)	24-port, D-Link, 10/100 Switch, DES-1024C	In Working Condition
5	Mechanical Block	2 (Simulation Lab mech)	24-port, D-Link, 10/100 Switch, DES-1024C	In Working Condition
6	Main Block	2 (JKCLab)	24-port, D-Link, 10/100 Switch, DES-1024C	In Working Condition
7	Main Block	2 (Digital Library)	24-port, D-Link, 10/100 Switch, DES-1024C	In Working Condition

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6. Wi-fi/Hot spots:

Sl. No.	Location	Specifications	Remarks
1	First Floor	Jio	In Working Condition
2	Ground Floor	Jio	In Working Condition
3	Second Floor	Jio	In Working Condition
4	Third Floor	Bsnl	In Working Condition
5	JKCLab	Bsnl	In Working Condition
6	MP&MC	Apfiber	In Working Condition
7	Simulation Lab	Bsnl	In Working Condition
8	Communication Lab	Bsnl	In Working Condition
9	Office	Bsnl	In Working Condition
10	Department Hods	Apfiber net	In Working Condition
11	Principal Room	Apfiber net	In Working Condition


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7. LAN:

Sl. No.	No of Switches	Wiring (CAT5/6)	Remarks
1	5 (Ground Floor lab)	CAT6/RJ45	In Working Condition
2	6 (First Floor Lab)	CAT6/RJ45	In Working Condition
3	4 (Second Floor Lab)	CAT6/RJ45	In Working Condition
4	4 (Third Floor Lab)	CAT6/RJ45	In Working Condition
5	1 (MP & MC Lab)	CAT6/RJ45	In Working Condition
6	2 (Simulation Lab mech)	CAT6/RJ45	In Working Condition
7	2 (JKC Lab)	CAT6/RJ45	In Working Condition
8	2 (Digital Library)	CAT6/RJ45	In Working Condition

8. Bandwidth:

Sl. No.	Speed	Contentional ratio	Service provider	Remarks
1	50Mbps	1:1	JIO	In Working Condition
2	20Mbps	1:1	BSNL	In Working Condition
3	50Mbps	1:1	AP FIBER NET	In Working Condition

Coordinator

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