

List of Classrooms /Tutorial Rooms

S. No.	Classrooms/Tutorial Rooms/LTs	Location	Area (sq.m)
CLASSROOMS			
1	CR01	Academic Block - 1	115
2	CR02	Academic Block - 1	115
3	CR03	Academic Block 0	98
4	CR04	Academic Block 0	98
5	CR05	Academic Block +1	100
6	CR06	Academic Block +1	101
7	CR07	Academic Block +1	101
8	CR08	Academic Block +1	100
9	CR 09	Academic Block +1	100
10	CR10	Academic Block +1	100
11	CR11	Academic Block +2	80
12	CR12	Academic Block +2	80
13	CR13	CE Department	76
14	CR14	CE Department	78
15	CR15	CE Department	73
16	CR16	Academic Block +4	70
17	CR17	Academic Block +4	70
18	CR18	Academic Block +4	70
19	CR19	Academic Block +4	70
TUTORIAL ROOMS			
20	TR01	Academic Block +1	36
21	TR 02	Academic Block +1	39
22	TR03	Academic Block +1	38
23	TR04	Academic Block +1	38
24	TR05	Academic Block +2	49
25	TR06	Academic Block +2	49
26	TR07	Academic Block +2	49
27	TR08	CE Department	30
28	TR09	CE Department	32
29	GD ROOM	Academic Block +3	49
SEMINAR HALLS (LECTURE THEATRES)			
30	SR01 (LT - 1)	Academic Block 0	234
31	SR02 (LT - 2)	Academic Block 0	234
32	SR03 (LT - 3)	Academic Block +1	244

Laboratories

S. No.	Laboratories	Location	Area (sq.m)
DEPARTMENT OF BIOTECHNOLOGY/BIOINFORMATICS			
1	Green House	Academic Block +4	152
2	Bio Lab.	Academic Block +4	30
3	Human Genomics Lab.	Academic Block +4	34
4	Plant Cell Culture Lab	Academic Block +4	82
5	Equipment Room 1	Academic Block +4	41
6	UG Biotech Lab 2	Academic Block +4	82
7	Plant Culture	Academic Block +4	11
8	UG Biotech Lab 1	Academic Block +4	77
9	Environmental BioLab	Academic Block +4	40
10	GC Room	Academic Block +4	6
11	Fermentation Lab	Academic Block +4	11
12	Preparation Room	Academic Block +4	4
13	Wash UP Room	Academic Block +4	11
14	Microbiology Lab	Academic Block +4	81
15	UG Biotech Lab 3	Academic Block +3	131
16	PG Lab Bio Tech	Academic Block +3	75
17	Bioinformatics Lab	Academic Block +2	73
18	UG Biotech Lab 4	Academic Block +2	94
19	Genomic Technology Lab	Academic Block +2	89
20	Bio Lab Research	Academic Block +3	43
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING			
21	Computer Lab 1	Academic Block +3	43
22	Computer Lab 3	Academic Block +2	114
23	Computer Lab 4	Academic Block +3	115
24	Computer Lab 5	Academic Block +3	91
25	Computer Lab 6	Academic Block +3	117
26	Computer Lab 7	Academic Block +3	90
27	Computer Lab 8	Academic Block 0	66
28	Computer Lab 9	Academic Block 0	139
29	Computer Lab 10	Academic Block +1	116
30	PG Computer Lab 11	Academic Block +1	175
31	Computer Lab Research	Academic Block +1	55
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING			
32	ECL 1	Academic Block +3	96
33	ECL 2	Academic Block +3	96
34	ECL 3	Academic Block +2	82
35	ECL 4	Academic Block +2	82
36	ECL 5	Academic Block +2	83
37	ECL 6	Academic Block +1	111
38	ECL7 Research	Academic Block +3	43
39	e-YANTRA-IOT	Academic Block +3	43
DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES			
40	LANGUAGE LAB	Academic Block +3	49

DEPARTMENT OF PHYSICS AND MATERIALS SCIENCE			
S. No.	Laboratories	Location	Area (sq.m)
41	Physics Lab 1	Academic Block +1	73
42	Physics Lab 2	Academic Block +3	96
43	Material Science Lab	Academic Block +3	51
44	CVD Lab	Academic Block +3	20
45	Charat. Lab	Academic Block +2	19
DEPARTMENT OF CIVIL ENGINEERING			
46	Surveying lab & Structural Mechanics Lab	CE Department	132
47	Engineering Graphics Lab	CE Department	91
48	Highway Engineering Lab	CE Department	63
49	Concrete Lab	CE Department	65
50	Geotechnical Lab	CE Department	122
51	Fluid Mechanics Lab	CE Department	127
52	Chemistry and Environmental Engineering Lab	CE Department	77
53	Workshop Practices Lab	CE Department	122
54	Civil Software Lab	CE Department	63
55	Fluvial Hydraulics Lab	CE Department	90
56	Computational Research Lab	CE Department	40
57	Research Lab	CE Department	64

4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data to be provided only for the latest completed academic year) (INF%)

Response : 32 out of 32 = 100%

2021-22		
4.3.1	Room number or Name of Classrooms and Seminar halls with ICT-enabled facilities	Type of ICT facility
1	LT1	Computer With projector and PA system/Wi-Fi/LAN Facility
2	LT2	Computer With projector and PA system/Wi-Fi/LAN Facility
3	LT3	Computer With projector and PA system/Wi-Fi/LAN Facility
4	CR1	Computer with projector and PA system/Wi-Fi/LAN Facility
5	CR2	Computer with projector and PA system/Wi-Fi/LAN Facility
6	CR4	Computer with projector and PA system/Wi-Fi/LAN Facility
7	CR9	Computer with projector and PA system/Wi-Fi/LAN Facility
8	CR10	Computer with projector and PA system/Wi-Fi/LAN Facility
9	CR3	Computer with projector and PA system/Wi-Fi/LAN Facility/SMART Board
10	CR5	Computer with projector /Wi-Fi/LAN Facility
11	CR6	Computer with projector /Wi-Fi/LAN Facility
12	CR7	Computer with projector /Wi-Fi/LAN Facility
13	CR8	Computer with projector /Wi-Fi/LAN Facility
14	CR13	Computer with Projector and PA system/LAN Facility
15	CR15	Computer with Projector and PA system/LAN Facility
16	CR16	Computer with projector /Wi-Fi/LAN Facility
17	CR17	Computer with projector /Wi-Fi/LAN Facility
18	CR18	Computer with projector /Wi-Fi/LAN Facility
19	CR19	Computer with projector /Wi-Fi/LAN Facility
20	CR11	Computer with Projector and PA system/Wi-Fi/LAN Facility/SMART BOARD
21	CR12	Computer with Projector and PA system/Wi-Fi/LAN Facility/SMART BOARD
22	CR14	Computer with Projector and PA system/Wi-Fi/LAN Facility/SMART BOARD
23	TR1	Computer With projector/LAN Facility
24	TR3	Computer With projector/LAN Facility
25	TR5	Computer With projector/LAN Facility
26	TR6	Computer With projector/LAN Facility
27	TR7	Computer With projector/LAN Facility
28	TR8	Computer With projector/LAN Facility
29	TR9	Computer With projector/LAN Facility
30	TR2	Computer with projector/LAN Facility/Smart Board
31	TR4	Computer with projector/LAN Facility/Smart Board
32	GD ROOM	Computer With projector/LAN Facility

Department Wise Details of Laboratories: 2021-22

Name of the Dept/School (CIVIL ENGINEERING)

Metric No.	Physical Facilities		
	<p><i>The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc</i></p> <p>Describe the adequacy of facilities for teaching –learning as per the minimum specified requirement by statutory bodies within minimum 500 characters and maximum 500 words</p> <p>The classrooms and laboratories are well versed with the desired facilities for both online and offline learning. All the classrooms and laboratories are equipped with large dimension whiteboards with additional facility of screen and projector system. Additionally, the classrooms are also updated with advanced digital boards and markers to enhance the learning experience to students both in the offline and the online mode. All the classrooms and laboratories are also furnished with computer systems and internet facility with access to intranet and kiosk connectivity for projection, material supplementation and real-time attendance updation and monitoring. The working and teaching spaces in the laboratories have distinct orientations for parallel ongoing of experimental and projection work whenever required. The equipment conditions and requirements are continuously monitored by the laboratory in-charges and the departmental lab coordinator for continuous updation and track of repair and calibration jobs. The department has a distinct software lab with latest and advanced software packages related to different specializations with multi-user license. Besides, an additional computational lab is also available with high-speed workstations to take care of advanced modeling softwares and programs with high RAM requirements.</p>		
	Name of the Dept/School (CIVIL ENGINEERING)		
	S. No.	Name of the Lab	Major equipment in the laboratories
			2021-22
	1	Surveying lab/Structural Mechanics Lab	Total Station SET-610 Total Station Trimble Transit venire theodolite Auto Level Tilting Level Dumpy level Elastic Beam and Continuous beam Apparatus Three Hinged Arch Apparatus Two Hinged Arch Apparatus Laser Distance Meter Air Flow Meter
	2	Highway Engineering Lab	Los angles Abrasion testing machine Marshall Test Apparatus (Digital)

		CBR Apparatus	2
		Ductility testing machine	1
		Merlin Apparatus	1
		Core Cutter Apparatus for Pavement	1
3	Concrete Lab	Universal Testing Machine	1
		Compression Testing Machine capacity – 200ton Digital	1
		Compression Testing Machine	1
		Hobart Mixer MADE IN U.S.A./GERMANY	1
		Flexural Testing Machine capacity – 20ton	1
		Concrete Flow Table	1
		Concrete Test Hammer	1
		Ultrasonic Pulse Velocity Tester	1
		Cover Meter / Rebar	1
		Half Cell Potential Tester	1
		Concrete Test Hammer	2
4	Geotechnical Lab	Triaxial Shear Test Apparatus	1
		Direct shear apparatus (Digital)	1
		Direct shear apparatus	1
		Consolidation apparatus	6
		DCPT	1
		Standard penetration test Apparatus	1
		Swell Test Apparatus	1
		Hydraulic Sample Extruder	1
		Heating Oven	2
		Data logger	1
		Pull Out Instruments for Soil Nails	1
		Hydraulic Jack With Load Cell(35 ton)	1
		Incinerator	1
		Pore Pressure Assembly	1
5	Fluid Mechanics Lab	Open Channel Flume	1
		Bernoulli's Theorem Apparatus	2
		Impect Object	1
		Apparatus for conducting orifice	1
6	Chemistry and Environmental Engineering Lab	Spectrophotometer	1
		Multi parameter Apparatus(DO/BOD)	1
		Repairable Dust Sampler	1
		Digestion Apparatus	1

			Biodegradation of waste settlement analyzer	1
			Muffle Furnace	1
			Double Distillation Unit	1
			Autoclave	1
			BOD Incubator	1
			Conductivity meter	1
			COD Reactor	1
			Mixer Grinder	1
			Digital temperature Meter	1
			Kjeltron Apparatus	1
			Incubator Inner 5.5	1
			Digital TDS Meter	1
			Digital Weighing Balance	1
			Digital Tuibidity Meter	1
			Digital Conductivity Meter	1
			Laboratory stirrer	1
			Gas Sensor for CO2 & CH4	1
			Hydraulic Jack With Load Cell(5 ton)	1
			Earth Pressure Cell	1
			Depth Water Sampler	1
			Digital PH Meter	1
	7	Civil Software lab	Autodesk Educational Suite 2022 (Unlimited)	1
			STAAD.PRO Connect Edition (Unlimited)	1
			GEO-5 (30 Users)	1
			ESTIMATOR 2.0 (unlimited)	1
			PRIMAVERA CONTRACTOR (05 Users)	1
			ANSYS Academic Advanced v11 (10 Users)	1
			PLAXIS 2D SUITE Standalone (Single User)	1
			Nikon D5600 DSLR Camera	1
			Bentley Civil Bundle of Perpetual Network Based (Unlimited)	1
	8	Fluvial Hydraulics Lab	Open Channel Flume	1
			Acoustic Doppler Velocimeter Nortek USA	1
	9	Workshop Practices Lab	Lathe Machine	1
			Milling Machine	1
			Drilling Machine	1
	10	Engineering Graphics Lab	Drawing table	35

	11	Computational Research Lab	Lenovo P500 Workstation with 64 GB RAM ,4 GB NVIDIA QUADRO K4200 Graphics Card, 2 TB Storage	2
	12	Research Lab	Pull out/ Installation apparatus for Helical nails and anchors	1
			Biodegradation settlement chamber for MSW	1
			Shaking table	1
				Total

Name of the Dept/School (**Biotechnology and Bioinformatics**)

Metric No.	Physical Facilities			
	<p><i>The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc</i></p> <p>Describe the adequacy of facilities for teaching –learning as per the minimum specified requirement by statutory bodies within minimum 500 characters and maximum 500 words</p> <p>Name of the Dept/School (Biotechnology and Bioinformatics)</p>			
	S. No.	Name of the Lab	Major equipment in the laboratories	2021-22
	1	Human Genomics Lab	Swing Centrifuge 10000rpm	1
			Thermal Cycler ABS Veriti with Work Station.	1
			Analytical Balance, Citizen. Macflow Engineering.	2
			Centrifuge, Macflow Engineering. Make- Eppendorf	1
			Cyclomixer, Grover Enterprises, Make- Remi	1
			Cyclomixer, International Scientific Instrument. Model- CM-101	1
			CO ₂ incubator, Eppendorf Ltd. Model- 170S	1
			Deep Freezer (-20°C), Blue Star Pvt.	1
			Minitrans Blot Cell with Sheet, Maximum Gel Size- 10 X 7.5 cm, Macflow Engineering	1
			Serological Water Bath, Micro-Scientific Works Pvt. Ltd. MSW-273 SAD. Model- SWBD-18 (SAD). Size- 300 X 300 X 175. Capacity- 18 Ltrs	1
			Magnetic stirrer with hot plate, Research Aid Instruments. Model- MS-Z, MAC/MSW-313. Capacity- 2 Ltr	1
			Gel Rocker, Research Aid, Palampur. Model- MSW-309, Sea Saw Motion (30 X 30 cm)	1
			Air Filtration Unit, LabRex Biologicals Pvt. Ltd.	1
			Nicon Binocular Inverted Research Microscope, Nicon Corporation. Model- TS-100 LED with accessories	1
	Biological Safety Cabinet, Telstar Tech-SLU. Model- Bio II Advance-4	1		
	2	PTC Lab	Analytical Balance, Citizen. Model- CTG-603	1

		Analytical Balance, Mahamaya Promoters. Capacity- 1g-5 kg	1
		Laminar Air Flow, S.M. International. Size- 3X2X2 ft. working table size	2
		Laminar Air Flow, Regeneration Technology, Chandigarh. Model- 1590B-48-24-24	1
		pH Meter Benchtop, Labrex Biologicals (Eutech)	1
		Refrigerator Samsung 665 Ltr. Solan radio Service Solan Model: RT65K7085BS	1
3	Proteomics Lab	GE Protein Purification system biorad	1
		Electrophoresis system(2D) biorad	1
		UV -Visible Spectrophotometer thermo	1
		Swing Centrifuge 10000rpm tarson	1
		Electrophoresis system biorad	1
		2D Electrophoresis system	1
		Refrigerated Centrifuge, Eppendorf India Ltd.	1
		Conductivity meter, Bash Chem Agencies	1
		Lp Logic System Bio-Rad	1
		Water Bath, GFL. Made- Germany. Model- GFL- 109850	1
		Magnetic stirrer with hot plate, Research Aid Instruments. Model- MS-Z, MAC/MSW-313. Capacity- 2 Ltr	1
		Gel Rocker, Macflow Engineering	1
		pH meter, Macflow Engineering (Make- Eutech)	1
		Miniprotein tetra cell (1-D), Macflow Engineering	1
		4	Equipment Room-1
Centrifuge, Remi Company. Model- RM-1242 Remi 2.4 X 1.5 ml, angle head	3		
Centrifuge, Remi Company. Model- R-24 Remi Revolt-Hls	1		
Centrifuge, Remi Company. Model- R-244 A Remi 8 X 15 ml	1		
Gel Dryer, Bio-Rad, Model- 503, 220/240 V	1		
Shaker with incubator. Adolt KuhneR. LSW s/n3900/29 (Rotary shaker, universal plates, silt & clamps)	1		
Martin Christ Lyophilizer Reference No. 2006/90228	1		
Oven, Grover Enterprises	1		
Oven, Macflow Engineering, Size- 650 X 450 X 450 cm	1		
Water Bath, Macflow Eng.	1		
Serological Water Bath, Micro-Scientific Works Pvt. Ltd. MSW- 273 SAD. Model- SWBD-18 (SAD). Size- 300 X 300 X 175. Capacity- 18 Ltrs	3		
Centrifuge Refrigerator Eltek	2		
Lyophizer Macflow	1		
Peristaltic Pump, Macflow Engineering	1		
Vaccum Pump, Macflow Engineering	1		
Vaccum Pump, Macflow Engineering. Make- Millipore. Catalogue No.- WP6122050	1		

5	Equipment Room-2	ATOMIC ABSORPTION SPECTROSCOPY PERKIN ELMER	1
		Sonicator, Sonics Pvt. Ltd.	1
		Gas Chromatography, Agilent Technology India Pvt. Ltd.	1
6	UG-1 Lab	Stereo Microscope	1
		Deep freezer -20 cell frost	1
		Analytical Balance/Digital Balance	8
		Cyclomixer, Grover Enterprises, Make- Remi	1
		Colony Counter, Macflow Engineering	1
		Gel DOC, Bio-Rad Laboratories (consist of Gel DOC, PCR and LP System)	1
		PCR- BioRad	1
		Hot Plate, Labrex Biological	1
		Laminar Air Flow, S.M. International. Size- 3X2X2 ft. working table size	1
		Refrigerator, L.G.Electronics Pvt. Ltd. Capacity- 350 Ltr. Model- 365YMQG4	1
		Microwave, United Agencies	1
		Water Bath, Labrex Biologicals (with temperature controller)	1
		Microscope Monocolour, Olympus	16
		Microscope Binocolour, Olympus. Model- CH20I	2
		Trinocular Research Microscope, Bash Chemo Agencies. Model- CH 20iTR	4
		Microscope, Research Aid, Palampur, CH20i. Make- Olympus	5
		Magnetic stirrer with hot plate, Research Aid Instruments. Model- MS-Z, MAC/MSW-313. Capacity- 2 Ltr	4
		U.V. Transilluminator, Mahamaya Pro. Model- 107171	1
		Spectrophotometer - Colorimeter	2
		U.V. Spectrophotometer, Model- Evolution-201, Computer Control, Double Beam with simple and reference cunette. Make- Thermo Scientific	1
Spectrophotometer (U.V. Visible), Elico Ltd. Model- SL 159	1		
7	UG-2 Lab	BOD Incubator	1
		Thermal Cyclor	1
		Deep Freezer (-20°C), New Brunswick	1
		Spray Drier, Lab Ultima. Model- LU 222	1
		Refrigerator, L.G.Electronics Pvt. Ltd. Capacity- 350 Ltr. Model- 365YMQG4	1
		Tissue Homogenizer, Bash Chemo Agencies.	2
		Spectrophotometer (U.V. Visible), Elico Ltd. Model- SL 159	1
		Spectrophotometer (U.V. Visible) double beam, Elico Ltd. Model- SL 210	1
8	Microbiology Lab	Refrigerator single door	1
		Freeze double door	1
		CO2 Incubator	1
		Mini centrifuge10000rpm,Tarson	1

		B.O.D Incubator, Grover Enterprises, Delhi (Hicon)	1
		Centrifuge, Grover Enterprises Simple. Make- Remi	1
		CO ₂ incubator, New Brunswick Scientific	1
		Hot Plate, Labrex Biological	1
		Laminar Air Flow	3
		Shaker, Sciezenics BioZech. Model- Orbitex- LEX & LE-TTCD	2
9	Fermentation Lab	Chiller for Fermenter	2
		Fermenter, Bio-Age	1
		Fermenter, New Brunswick Scientific Co. Inc.	1
		Refrigerator, L.G.Electronics Pvt. Ltd. Capacity- 350 Ltr	1
10	Environmental Biology Lab	Micro plate reader, Bio-Rad. Model- 680	1
		pH meter, Macflow Engineering (Make- banglore Genie)	2
		Peristaltic Pump, Bash Chemo Agencies, Make- Electrolab. Model- PP50V	1
		Refrigerator single door LG	1
		Incubator with Shaker thermo	1
		Double door freeze	1
		Digital incubator with shaker RT	1
		Refrigerated Universal Centrifuge, International Scieintific & Services, Solan. Make- Laby/T-60, Speed- 16000 rpm	1
		Thermal Cycler, International Scieintific & Services, Solan.	1
11	UG-3 Lab (Food Tech.)	Gel rocker	1
		UV-Transilluminator	1
		Agarose electrophoresis unit	1
		Serological Water bath	1
		DECODE SYS DGGE+Printer+ PC+ Thermal cycler	1
		SDS PAGE assembly biorad	1
		pH controller zenith	1
		Digital incubator with shaker RT	1
		Vortex Mixer/Cyclomixer	3
		Sigma Centrifuge, Sigma Laboratories Pvt. Ltd.	1
		Laminar Air Flow	1
		Double Door Freezer, United Agencies, Delhi. Model No.- FUG-1000	2
		Magnetic stirrer without hot plate, Bash Chemo Agency (Elteck). Capacity- 500 ml	1
		pH meter, Labrex Biologicals (LED Display-DB-1004), Decibel	2
		Digital Weighing Balance, Labrex Biologicals	2
12	High End Instrumentation Facility Lab	Water PDA autopurification system(hplc)	1
		Conductivity Meter	1
		Viscometer	1
		Water both with Digital Temp.	1
		GC SCION 456	1
		Three gas cylinder(N ₂ ,H ₂ AND ZERO AIR)	1

		Genetic analyzer	1
		PDS-100/HE SYSTEM with LAF & Vacuum pump	1
		Freeze Videocon table top	1
		Research Microscope(fluorescence)Olympus	1
		HPLC, Mac flow Engineering	1
		Refrigerator, L.G.Electronics Pvt. Ltd. Capacity- 350 Ltr. Model- 365YMQG4	1
		Microscope, Research Aid, Palampur, MSZ-TR, Magnus zoom stereo trinocular (LED) Olympus/Magnus	1
		Swing Centrifuge-Mini (Benchtop/BT-Mini 10 K + speed 10,000 rpm. International Sceintific & Services, Solan	1
		Ultrasonicator, International Sceintific & Services, Solan. Citizen/CU135, Tank- 5 Ltrs (240 X 140 X 100)	1
		Inverted Microscope, Olympus	1
		Compact LC-MS System and Nano-Advance UHPLC, Bruker	1
13	PG Lab	Oven, International Scientific	1
		Serological Water Bath, Micro-Scientific Works Pvt. Ltd. MSW-273 SAD. Model- SWBD-18 (SAD). Size- 300 X 300 X 175. Capacity- 18 Ltrs	1
		Magnetic stirrer with hot plate,. Model- MS-Z, MAC/MSW-313. Capacity- 2 Ltr	1
		U.V. Transilluminator, B.T.K. Bioscience	1
		Analytical Balance, Citizen. International Scientific. Model- CG-203	1
		Digital Weighing Balance, Research Aid, Palampur. 1043 0203 Precision Balance CG-L Senes (G-203, Citizen)	2
14	Genomics Technologies Lab (DBT Lab)	Deep freezer -80 C	2
		Cold chamber vista bio cell	1
		Thermal cycler ABS	3
		Radiometer	1
		Microwave	1
		Glass Door Refrigerator Cell Frost	1
		Centrifuge 5810 R	1
		Digital incubator with shaker RT	1
		Innova 44R Incubator with Shaker	1
		Autoclave, Alpha Innotech (Sanya Autoclave). Model- MLS 3781	1
		Centrifuge, Macflow Engineering. Make- Eppendrof Model- AC4100F	1
		Cyclomixer, International Scientific Instrument. Model- CM-101	1
		Non-refrigerated centrifuge, BioNixs India, Mohali. Model- CT-15E	1
		Cold Storage, Vista Biocell. Size- 11.4" X 5.6" X 11"	1
		Chef-Drill Chiller, Bio-Rad Sys, 220/240 V (set)	1
		Deep Freezer (-20°C), United Agencies	3
		Gel DOC, Alpha Innotech	1

		Versafluoro meter, Bio-Rad.	1
		S.Q. GEN GT/PPHV 38 X 50, 100/120 V, Bio-Rad.	1
		Double Door Freezer, United Agencies, Delhi. Model No.- FUG-1000	1
		Gene Pulser, Bio-Rad	1
		Water Bath, Labrex Biologicals (with temperature controller)	2
		Magnetic stirrer with hot plate, Research Aid Instruments. Model- MS-Z, MAC/MSW-313. Capacity- 2 Ltr	3
		Gel Rocker, Research Aid, Palampur. Model- MSW-309, Sea Saw Motion (30 X 30 cm)	1
		Analytical Balance, Denver. Macflow Engg Model- TB-215 D	1
		RT-PCR, Macflow BioRad Engg.	1
		Non-refrigerated Centrifuge, Bio Nixs India, S.C.F-7, Phase-6, Mohali-160005. Model No.- CT-15E. Max. Speed- 15000 rpm, Maximum RCF- 21500xg, Max. volume- 24 X 1.5 ml	1
		Table top refrigerated micro centrifuge, Bio Nixs India. Make- Hitachi. Model- CT-15RE	1
		pH meter, Bio Nix India, Mohali. Model No.- 3510, pH range- 2.000 to 19.999	1
		Nanodrop Spectrophotometer 2000°C	1
		Swing Centrifuge-Mini (Benchtop/BT-Mini 10 K + speed 10,000 rpm. International Scientific & Services, Solan	1
15	UG-4 (Biochem)	Analytical Balance, International Scientific Trader, Solan. Capacity- 10 mg-200 g	1
		Centrifuge, Grover Enterprises Simple. Make- Remi	1
		Centrifuge, Beckman Coulter Allergrax	1
		Cyclomixer, International Scientific Instrument. Model- CM-101	1
		Magnetic stirrer with hot plate, Research Aid Instruments. Model- MS-Z, MAC/MSW-313. Capacity- 2 Ltr	1
		Magnetic stirrer without hot plate, Bash Chemo Agency (Elteck). Capacity- 2000 ml	1
		Oven, Macflow Engineering, Size- 650 X 450 X 450 cm	1
		Rotary vacuum evaporator	1
		Water Bath, Bashchem Agency. Make- NSW/125	1
		pH meter, Labrex Biologicals (LED Display-DB-1004), Decibel	1
		Refrigerator, L.G.Electronics Pvt. Ltd. Capacity- 350 Ltr. Model- 365YMQG4	1
16	ATC Lab	Scientific Microwave (Bashchemo Agency)	1
		Micro plate reader, Bio-Rad. Model- 680	2
		Refrigerator Samsung Double door	1
		CO2 Incubator	1
		Nikon Trinocular Stereo zoom Microscope	1
17	UG-5 Lab (Animal House)	Laminar Air Flow, Regeneration Technology, Chandigarh. Model- 1500C-36-24-24	1

		Water Aspirator	1
		Rota Evaporator	1
		Carousel 6 plus Reaction station	1
		Rota Evaporator with Vacuum	1
		Bio Safety Cabinet BSL-2 vaiometra	1
		Autoclave relitech	1
		Double door freeze Samsung	1
		Analytical/Digital Balance, Denver.	2
		Centrifuge, International Scientific Instrument Co. Make- Remi. Model- R-24. Capacity- 2 ml/1.5 ml	1
		Vortex Mixer, LabRex Biologicals	1
		Hot Plate, Labrex Biological	1
		Shaker, New Brunswick	1
		Refrigerator, Capacity- 165 Ltr. Model- 16 X TLSr.001249	1
		Scientific Microwave (Bashchemo Agency)	1
		Oven, Grover Enterprises	1
		Water Bath, Macflow Eng.	2
		Water Bath with Shaker, Scigenic Biotech. Model- WO 1	1
		Vaccum Pump, Macflow Engineering	1
		Tissue Homogenizer (Free by Macflow Engineering)	2
18	Green House	Portable Net House	1
		Vaccum Pump	2
		Air Coolers	1
		Glass Distillation Unit	1
19	Gut Simulation Lab	Gas manifold	1
		Methane analyzer	1
		Hot plate	1
		Microwave bajaj	1
		Peristaltic Pump(Rave+zenith)	9
		Autoclave (Small Size)	1
		pH controller zenith	2
		Magnetic stirrer zenith	5
		Circulatory water bath	1
20	Bioinformatics Lab	Lenovo Computers	30
21	Bioinformatics Project Lab	Dell Computers	8
		Lenovo Computers	12
22	Common Facility	Vertical Autoclave	6
		B.O.D Incubator, Scigenics Biotech Laboratories, Chennai	1
		B.O.D Incubator, Macflow Engg.	1
		Cold Storage, Blue Star Ltd., Size- 104.5" X 93" X 98.7". Model- CR	1
		Cold Storage, Mac flow Engineering, Size- 150 cm X 75 cm X 4	1

		Deep Freezer (-80°C), New Brunswick Scientific Co. Inc.	1
		Deep Freezer (-80°C), New Brunswick Scientific Co.	1
		Sonicator with water bath Citigen	1
		Water Bath with Shaker, Scigenic Biotech. Model- WO 1	3
		Water Purification System (Elix & Milli-Q, Make-Millipore) Set	2
		Ice Flaking Machine, United Agencies, Delhi. Model No.- Rf-266	1
		Orbital Incubator Shaker cum BOD	1
		Total	374

Name of the Dept/School (**Computer Science & Engineering and Information Technology**)

Metric No.	Physical Facilities		
	<p><i>The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc</i></p> <p>Describe the adequacy of facilities for teaching –learning as per the minimum specified requirement by statutory bodies within minimum 500 characters and maximum 500 words</p> <p>Name of the Dept/School (Computer Science & Engineering and Information Technology)</p>		
	S. No.	Name of the Lab	Major equipment in the laboratories
			2021 -22
	1	Computer Lab1	Processor intel® Core™ i3-3220 CPU @3.30GHz 3.30GHz RAM 4GB , Windows 10 64 bit , 270GB HDD
			1
			Processor intel® Core™ i3-2100 CPU @3.30GHz 3.30GHz RAM 2GB , Windows 7 32 bit , 450GB HDD
			9
			Processor intel® Core™ i3-2120 CPU @3.30GHz 3.30GHz RAM 4GB , Windows 7, 64 bit , 450GB HDD
			22
			Processor intel® Core™ i5-4460 CPU @3.30GHz 3.30GHz RAM 4GB , Windows 8.1 64 bit , 450GB HDD
			9
			Processor intel® Core™ i5-7400 CPU@3.00GHz 3.00GHz RAM 8GB Windows 10 pro., 1 TB HDD
			17
			DELL PRECISION TOWER 3420 (WINDOWS10 PRO, 8GB RAM, Xeon Processor E1225 V5 @ 3.30 GHZ), 1 TB HDD
			1
			DIGILENT BASYS 2 100
			7
			DIGILENT SPARTAN 6 FPGA DEVELOPMENT BOARD 324 PIN
			1
			NI ELVIS /II
			1
			NI MECHATRONIC SENSORS BOARD FOR ELVIS-II
			1
			NI PROTOTYPING BOARD FOR ELVIS-II
			1
			NI SMART CAMERA
			1

		DIGILENT ZED BOARD (Vivado)	2
		NI LAB VIEW SOFTWARE (50 Users)	1
		XILINX VIVADO-SYSTEM -2018.1 64 bit (25 Users)	1
		MATLAB 2019 b (25 Users)	1
2	Computer Lab2	Lenovo Think Centre Processor intel® Core™ i3-2100 CPU @3.10GHz 3.10 GHz RAM 2GB , 500GB HDD, 32 BIT OS	20
		Lenovo Think Centre Processor intel® Core™ i3-2120 CPU @3.30GHz 3.30GHz RAM 4GB, 500 GB HDD 32 BIT OS	10
3	Computer Lab3	HP 280 G2 MT PC (WINDOWS10 PRO, 8GB RAM, CORE i5 6500@ 3.2 GHZ 6 TH GENERATION)	60
		DELL PRECISION TOWER 3420 (WINDOWS10 PRO, 8GB RAM, Xeon Processor E1225 V5 @ 3.30 GHZ)	1
		Logitech B525 HD Webcam, Logitech Wired Headphone (each)	2
4	Computer Lab4	HP 280 G2 MT PC (WINDOWS10 PRO, 8GB RAM, I5 6500, 3.2 GHZ 6 TH GENERATION)	49
		HP LASERJET 5200Tn Printer	1
		Logitech B525 HD Webcam, Logitech Wired Headphone	1
5	Computer Lab5	Lenovo Think Centre, Processor Intel(R) Core(TM) i3 @ 2.90GHz, RAM 2.00 GB, HDD - 250 GB OS - Windows 7 Professional 32 bit	62
		Logitech B525 HD Webcam, Logitech Wired Headphone	2
6	Computer Lab 6	Modal No. HP280G2MT, Core i5-6500 cup @3.2 GHz with 8GB RAM, and 1 TB HDD,(Windows 10 professional), (Windows 10 professional),	20
		Modal No. DELL VOSTRO 3669, INTEL CORE i5 @ 3.00 GHZ, 8GB, RAM,1TB HDD,	23
		Modal No. LENOVO 10B3-A0REIG, Core i3 @ 3.3 GHZ, 64 bit, 500 GB Hard, disk, 4GB RAM) (Windows 8.1)	1
		Modal No. LENOVO 3597-3MS, Core i3 @ 3.3 GHZ, 64 bit, 500 GB Hard, disk, 4GB RAM) (Windows 7 Pro)	3
		Modal No. LENOVO RS7 (5474), Core i3@2.90GHZ, 32 bit, 250 GB Hard, Disk, 2GB RAM, (Windows 7 professional sp1)	1

		Modal No. DELL Tower 3420, Intel Xeon @3.30 GHZ ,64 bit, 8GBRAMand 1TB HDD, (Windows 10 pro)	1
		Logitech B525 HD Webcam, Logitech Wired Headphone	1
		B/W.Printer-1:Toshiba e Studio 306 SE	1
		Color.Printer-2: Hp DeskJet GT 5810	1
7	Computer Lab7	IBM CPU:7413-A81,80GB/160 GB,Intel P4 Duo @3.00GHZ, 1GB RAM, WINDOWS XP	34
		Lenovo Think Centre, Core i3 @ 3.10 GHZ, 32 bit, 300GB/ 500GB Hard disk, Windows7 32 bit,2GB RAM	8
		Lenovo Think Centre, Core i3 @ 3.10 GHZ, 64 bit, 500GB Hard disk, Windows7 64 bit, 4GB RAM	1
		Logitech B525 HD Webcam, Logitech Wired Headphone	1
8	COMPUTER LAB 8	Lenovo Think Centre Core i3 @ 3.3 GHZ, 64 bit, 500 GB Hard disk,4GB RAM, WINDOWS7 64	68
		Lenovo Think Centre Core i3 @ 3.1 GHZ, 32 bit, 300 GB Hard disk, 2GB ram, Windows 7 32 bit	4
		DELL PRECISION TOWER 3420 (WINDOWS10 PRO, 8GB RAM, Xeon Processor E1225 V5 @ 3.30 GHZ)	1
		Toshiba 2309a Laser printer	1
		Logitech B525 HD Webcam, Logitech Wired Headphone	1
9	Computer Lab 9	HP 280 G2 MT PC (WINDOWS10 PRO, 8GB RAM, CORE i5 6500@ 3.2 GHZ 6 TH GENERATION)	55
		Dell Vostro 3669 Intel Core i5-7400 CPU@3.0GHZ,1 TB HDD, Windows 10 pro 64 bit, 8GB RAM	1
		ThinkCentre Core i3-2120 @3.30 GHZ,320 GB HDD, 4GB RAM, WINDOWS 10 PRO	2
		DELL PRECISION TOWER 3420 (WINDOWS10 PRO, 16GB RAM, Xeon Processor E1225 V5 @ 3.30 GHZ)	2
		Logitech B525 HD Webcam	3
		Logitech Wired Headphone	2
		Wacom Digitab	1
		Craetive Speakers A235	1
		HP Scanjet G2410	1
		Projctor- Canon LV7260	1
		Hp laserjet P1566	1

	10	Computer Lab10	Dell Vostro, Intel(R) Core i5 7400 cpu @ 3.00 GHZ,3.00 GHz 64-bit, 1 TB Hard disk, Windows 10 Prof 64 bit. 8GB RAM	65
			Dell Optiplex 3070, Intel(R) Core i7 7400 cpu @ 3.00 GHZ,3.00 GHz 64-bit, 1 TB Hard disk, Windows 10 Pro 64 bit, 16 GB RAM	13
			Logitech B525 HD Webcam	1
			Logitech Wired Headphone	1
	11	Computer Lab11	Dell Vostro ,Core i5 @ 3.3 GHZ, 64 bit, 1 TB Hard disk,8GB HDD, Windows 10 Pro. 64 bit	30
			Logitech B525 HD Webcam	1
			Logitech Wired Headphone	1
	12	Computer Lab12	HP 280 G2 MT PC (WINDOWS10 PRO, 8GB RAM, CORE i5 6500@ 3.2 GHZ 6 TH GENERATION)	1
			Dell Vostro 3669 Intel Core i5-7400 CPU@3.0GHZ,1 TB HDD, Windows 10 pro 64 bit, 8GB RAM	11
				Total

Name of the Dept/School (**Electronics and Communication Engineering**)

Metric No.	Physical Facilities			
	<p><i>The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc</i></p> <p>Describe the adequacy of facilities for teaching –learning as per the minimum specified requirement by statutory bodies within minimum 500 characters and maximum 500 words</p> <p>Name of the Dept/School (Electronics & Communication Engineering)</p>			
	S. No.	Name of the Lab	Major equipment in the laboratories	
	1	ECL-1	Digital CRO (GWINSTEK)	
			12	
			Function Generator (GWINSTEK)	12
			Project Board, BB12V (VIJAYANTA)	12
			Power Supply (APLAB)	15
			Digital Multimeter (SANWA)	7
			Digital Multimeter (RISHAB)	10
	2	ECL-2	Current Source (Meco)	
			3	
			Digital Multimeter (Sanwa-CD800a)	10
			Digital Multimeter (Rishab-14S)	8
			DSO-50MHZ (Gwinstek-GDS 1052U)	12
			Function Generator-3 MHZ (Gwinstek-SFG 1013)	12
			Multi output DC Power Supply (Scientific-PSD3304)	15
	Project Bread Board (Vijayanta-BB 12V)	15		
	Dc Power Supply (Aplab-L3202)	1		

			Digital IC Tester (Leaper- LP-01)	1	
			Current Source (Meco- 333)	2	
	3	ECL-3		Project Board, BB12V	15
				Power Supply, LQ 6324	15
				8051/251 Single board Computer/Evaluation board with ADP PPI Adapter; Model: ESA KEIL MCBx51	10
				DAC for ADC & Temp. Sensor Interface, Model: IF-DADC	10
				4-Digit, 7 Segment LED Display Interface, Model: IF-DIS	10
				Logic Controller Interface, Model: IF-LC	10
				Traffic Lights Interface, Model: IF-TRL	9
				4x4 Matrix Hex keyboard interface, Model: IF-HEXKBD	10
				Function Generator, ST 4060	2
				Function Generator, ST 4061	28
				Digital Multi-meter (Rish 14S)	13
				Project Board, ST 2610	10
				Digital IC Tester LP01	1
			4	ECL-4	
		Three Phase Auto Transformer,3 ϕ ,8A (Voltex- 2 &Packard-2)			4
		DC Shunt Generator,3 ϕ 0.5HP with AC Induction Drive (Voltex)			2
		Induction Motor,3 ϕ 1 HP (Voltex)			2
		Induction Motor 3 ϕ ,1/4hp (Voltex)			1
		Single Phase Transformer, 1KVA (Packard)			2
		Single Phase Transformer, 1KVA (Voltex)			2
		Three Phase Transformer, 1KVA (Voltex)			1
		Single Phase Auto Transformer (Variac),8A			4
		Synchronous Motor,1HP			1
		Resistance Load Bank,0-10A (Voltex-3 & Packard-2)			5
		Dc Power Supply (0-200V,2A (Voltex-1 & Packard-2))			3
		Wattmeter (0-750/1500/3000W,5/10A) (Meco)			10
		Digital Tachometer (Kusam Meco)			5
		Single Phase Auto Transformer (Variac),4A (AE)			2
		Wattmeter (0-700W,150/300/600V,5/10A) (EPL)			2
		Wattmeter (0-500W,250V,2.5/5A) (AE)			1
		Wattmeter (0-300W,150/300/600V,2.5/5A)			2
		AC Ammeter (0-5-10A) (AE)			1
		DC Ammeter (0-1mA) (Meco)			10
		DC Power Supply (ST4077)			15
		Single Phase transformer 1Kva	1		
	DC Power Supply (Aplab)	10			
5	ECL-5		Distortion Meter (HM5027)	5	
			1GHz Frequency Counter (HM5021)	2	
			Project Board	17	
			Digital IC Tester (LP-01)	1	

		Digital Multi-meter (Rish14s)	10
		Analog IC Tester	1
		TDM Pulse Amplitude Modulation/Demodulation Trainer (ST2102)	1
		TDM Pulse Code Modulation Transmitter Trainer (ST2103)	1
		TDM Pulse Code Modulation Receiver Trainer (ST2104)	1
		Delta, Adaptive Delta and Delta Sigma Modulation/ Demodulation Trainer (ST2105)	1
		Data Formatting and Carrier Modulation/Transmitter Trainer (ST2106)	1
		Data Reformatting and Carrier Demodulation Receiver Trainer (ST2107)	1
		Digital CRO (GDS-1052U)	12
		Function Generator (SFG1013)	27
		Power Supply (PSD3304)	15
		Phase Locked Loop (Omega)	1
		Phase Shift Keying (Omega)	1
6	ECL6	Agilent Digital Storage Oscilloscope (DSO3102A)	1
		Agilent CSA Spectrum Analyzer (N1996A)	1
		Agilent RF Network Analyzer (8714ET)	1
		DSP Starter Kit (DSK)	2
		Or CAD Simulator	
		Or CAD15.7 Software CD	1
		Software License CD	
		Security Plug	
		Microcontroller Development Tools (KEIL)	8
		Bloom with DSP CDs	15
		Bluetooth Comm. Training Systems (BT2001)	1
		Desktop computer Dell with Intel core i5 processor, 8GB RAM, 1TB HDD and 19-inch Monitor	14
		Digital Storage Oscilloscope 60Mhz (TDS2002)	7
		Spectrum Analyzer (SA3005)	1
		Function Generator 15Mhz (DG1012)	6
		Function pulse Generator (ST4064)	1
		Gunn Power Supply (GS610)	3
		VSWR Meter (Sico)	5
		VSWR Meter (NV103A)	6
		VSWR Meter (ST103)	3
		LCR-Q- Meter (4910)	1
		LCR Meter (LCR-814)	1
		Klystron Power Supply (NV102)	5

		Klystron Power Supply (ST102)	3
		Microwave Power Meter (NV105)	1
		LC Transmission Line Kit (ETB-10)	2
		Wave Guide Adapter (NV225)	4
		Phase Shifter (NV238)	4
		Optical Fiber Trainer (Benchmark)	4
		Digital Storage Oscilloscope 100Mhz (GDS-1102U)	3
		Project board (ST2610)	7
		Writing Tab (Wacom)	1
		FA Learning Setups (Training Kits)	2
		Base rack - 8 slots	1
		Power supply for PLC	1
		PLC CPU with 40K Steps memory	1
		2 GB memory card	1
		Simple Motion Module for 4 axis	1
		Dual network module: Ethernet & CC-Link IE	1
		Digital input module with 32 I/P, sink /source and high speed	1
		Digital output module, Transistor output Source type, 32 points	1
		4 channel Analog Output Module	1
		4 channel Analog Input, Module	1
		Servo amplifier for three axis, 400W each	1
		Encoder cable for servo motor	3
		Power cable for servo motor	3
		Battery Case	1
		Battery for servo amplifier	2
		Battery Cable	1
		SSCNET cable	1
		Servo motor 400 W	3
		A800 series inverter 400W	1
		CC-Link IE Field Card for Inverter	1
		8.4" Screen HMI – GT200 series	1
		Connector	3
		I/O simulator and X-Y table setup & Induction Motor setup	1
		iQ Works Programming Software	1
7	ECL-7	Micro Controller Programmer	2
		8085 Microprocessor Tr. Kit	9
		8086 Advance Microprocessor tr. Kit	9
		8031 Micro Controller Kit	5
		8051 Micro Controller Kit	4
		Power Supply With Cable	30
		8255 Study Card	2
		8279 Study Card	1

		8253 Study Card	1
		8251 Study Card	1
		8257 Study Card	1
		8259 Study Card	1
		8212 Study Card	1
		Buffer, Latch Decoder Card	1
		8 Channel ADC Module	1
8	ECL-8	Dell Computer Systems Core i5-6500 cup @3.00 GHz with 8GB RAM and 1 TB HDD (Windows 10 professional)	6
		Fire Bird Robot with Adapter	4
		Spart V Robot with Adapter	5
		Fire Bird Adapter Board (V P89V51RD2)	3
		Fire Bird Adapter Board (V LPC2148)	5
		Wicomm-T (IF & Base Band)	2
		Servo Motor Based Gripper Kit	2
9	ECL-9	Dell Computer Systems Core i5-6500 cup @3.00 GHz with 8GB RAM and 1 TB HDD (Windows 10 professional)	14
		Total	738

Name of the Dept/School (**Physics and Materials Science**)

Metric No.	Physical Facilities																										
4.1.1	<p><i>The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc</i></p> <p>Describe the adequacy of facilities for teaching –learning as per the minimum specified requirement by statutory bodies within minimum 500 characters and maximum 500 words</p> <p>File Description</p> <ul style="list-style-type: none"> Upload information about the teaching and research labs in your dept/school in the following format Name of the Dept/School (<p>Please add-on rows as per requirement.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Name of the Lab</th> <th>Major equipment in the laboratories</th> <th>2021-22</th> </tr> </thead> <tbody> <tr> <td rowspan="9">1</td> <td rowspan="9">Physics & material Science</td> <td>Acoustic optical effect</td> <td>2</td> </tr> <tr> <td>BIOT Savart Law</td> <td>2</td> </tr> <tr> <td>Di-Electric Set</td> <td>4</td> </tr> <tr> <td>“e/m” set</td> <td>6</td> </tr> <tr> <td>Fresnel’s Bi-Prism</td> <td>2</td> </tr> <tr> <td>Four Probe set</td> <td>6</td> </tr> <tr> <td>Fiber optics kit</td> <td>6</td> </tr> <tr> <td>Diffraction Grating with Spectrometer</td> <td>2</td> </tr> <tr> <td>Hall effect set</td> <td>3</td> </tr> </tbody> </table>			S. No.	Name of the Lab	Major equipment in the laboratories	2021-22	1	Physics & material Science	Acoustic optical effect	2	BIOT Savart Law	2	Di-Electric Set	4	“e/m” set	6	Fresnel’s Bi-Prism	2	Four Probe set	6	Fiber optics kit	6	Diffraction Grating with Spectrometer	2	Hall effect set	3
S. No.	Name of the Lab	Major equipment in the laboratories	2021-22																								
1	Physics & material Science	Acoustic optical effect	2																								
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			Hysteresis Loop Tracer	4
			Electromagnet	2
			Magnetostriction Set	2
			Newton's ring set	2
			Planck's constant set	6
			Specific Rotation set	2
			Dispersive power of prism (Spectrometer)	4
			Solar Energy Trainer	4
			Wave propagation Trainer	2
			Laser diode	2
			Power Supply(5amp;30V)	4
			Gauss Meter	2
			He-Ne laser	1
			Table Lamp	17
	2	Physics Lab 2	Fresnel s Bi-prism set up	2
			Magnetic Susceptibility set up	2
			Newton' s Ring set up	2
			Planck' s constant set up	2
			Spectrometer for Dispersive power of prism set up	2
			Spectrometer for transmission Grating set up	2
			Specific rotation set up	2
			Viscosity set up	2
			Table Lamp	13
			E/m Thomson set up	1
			Four probe set up	1
			Digital gauss meter with probe	2
			Optical fiber set up	1
			BH- Curve set up	1
	3	Research (CVD Lab)	Furnace (TH E F)	1
			Argon Gas Cylinder	1
			Electromagnet	1
			Double stage 50L.P.M Vacuum pump	1
			Single stage 50Lp.m Vacuum pump	1
			Digital High Voltage Power Supply	1
			Magnetic Stirrer Hot Plate	1
			Along pirani Gauge	1
			Valve for line	1
			250LPM vacuum pump	1
			HP Laser jet	1
			High temp 4probe setup	1
			Argon Gas Cylinder	1

			Argon gas regulator	1
			Cylinder regulator	2
			Power supply	2
			Furnace	1
			HE NE Leaser	2
			E/M by Thomson	2
	4	Material science Lab	Vacuum coating unit	1
			Electron Beam Gun power supply	1
			Rotary Flask shaker	1
			L.G Refrigerator	1
			Magnetic stirrer with hot plate(2ltr)	1
			Magnetic stirrer (2ltr)	1
			Magnetic stirrer (2ltr)	1
			Ultra sonic cleaner	1
			Hydrogen gas cylinder	1
	5	Characterizations Lab	Pico Ammeter	1
			UV spectrophotometer	1
			Air STM	1
			Digital Mill voltmeter	1
			Digital Multimeter	1
			Soldering iron with stand	1
			Mask flow controller(0-10,scm)	1
			Mask flow controller(0-1,sipm)	1
			Gas mixing chamber & sensing	1
			Argon gas meter	1
			LS-55 photoluminescence spectrophotometer	1
			Hydrogen gas cylinder	2
			Nitrogen gas cylinder	1
			Magnetic stirrer(1mlh)	1
			Systronic signal pulse generator	2
			Carbon monoxide	1
			NO ₂ cylinder	1
			CH ₄ cylinder	1
	6	2-D Lab	BMT Hand tool kit	1
			Ice Bath	1
			Regulator	3
			Nitrogen gas cylinder	1
			Hydrogen gas cylinder	1
			Kip's Apparatus (250mL Glass)	1
			Kip's Apparatus(250mL Glass)	1
			Mass flow controller 0-50SCCM	1
			Mass flow controller 0-SLPM	1
			CVD System pc interface with Datalog	1

			Temperature controller	1
			Cylinder regulator inlet	1
			Hydrothermal reactor	1
			KBR Die set	1
			Zero Air cylinder	1
			Desiccator 250ml	2
	7	Synthesis Lab	Hydrogen Thermal reactor	2
			Magnetic stirrer(2Ltr)	5
			Ph Meter	1
			Hot plate	2
			Hot air oven	1
			Clean work bunch (Laminar)	1
			Electronic balance	1
			Spin coating unit	1
			Magnetic stirrer(5Ltr)	1
			Centrifuge machine	1
			Computer set	1
			Programmable high temp.furnace	1
			Digital magnetic stirrer	1
			Double Distillation unit	1
			Rota mental	1
	8	Electrical Characterization Lab	High temp. two probe setup	1
			Hydraulic press	1
			Electrical balance	1
			Digital D.C microvoltmeter	1
			Digital pico Ammeter	1
			Vacuum pump	1
			High power DC power supply	1
			Light Lux Meter	1
			Dielectric measurement setup	1
			Constant Current Source	1
			Multimeter Digital	1
			Digital pirani gauge	1
	9	Antina Lab	VNA	1
			PCB prototype machine	1
			Total	228

Name of the Dept/School (**Humanities and Social Sciences**)

Metric No.	Physical Facilities
	<i>The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc</i> Describe the adequacy of facilities for teaching –learning as per the minimum specified requirement

by statutory bodies within minimum 500 characters and maximum 500 words

The Language Lab aims at developing the LSRW skills of the students with emphasis on learning grammatical concepts and syntactical strategies. The softwares in the Lab are Clarity S. Net 7 which includes looking after the functionality of the conduct of lab classes. This includes monitoring every individual screen, sending and receiving text and voice commands, screen broadcasting, voice recording, file distribution, interactive white board, remote control feature which enables shutting down/reboot of all the computers under one command, group teaching feature enables explanation to a select few students and not the whole class. There are two more cloud based softwares-- Tense Buster and Practical Writing.

These softwares particularly focus on sharpening language skills of the students and grooming their personality. This includes expressing thoughts in the written form logically, precisely and appropriately; understanding the essentials of successful job applications with command over language and using economy of words. It includes exercises focusing on grammar, pronunciation, building advanced vocabulary, linking ideas by time. The softwares also focus on how to avoid plagiarism, responding correctly and decoding the transcripts of the spoken word into written text. It also includes visual interpretations of graphs into writing reports and drafting reviews on experiences of spending time in a restaurant/hotel or trying a new product.

Students going for placements in their Final year, take the assistance of Lab mediated activities for improving pronunciation, grammatical errors and proper syntactical sentence and paragraph constructions. For building vocabulary there are separate exercises in the Language Lab. There are also some exercises designed for soft skills with emphasis on proper intonation with regard to vowel and consonant sounds.

The course follows a lab based teaching-learning method with classroom discussions and activities on fundamental concepts of grammar with a strong emphasis on skill development of students with regard to speaking, writing, listening, reading and logically interpreting ideas into words and reasoning in the classroom. The exercises are solved by the students on the softwares and the marking is automatically shown after the completion of every exercise. These softwares automatically records and saves the progress report of every student. Additionally, they are asked to draft letters and memos in their Lab files/registers after reading specimens on the softwares and improve their English with choice of specific and appropriate technical words.

Language Lab is also open for helping students develop English Language proficiency. This includes exercises divided in different levels from elementary, lower intermediate, intermediate, upper intermediate to advanced levels. The student scales a level depending on his/her understanding of communicative English.

Name of the Dept/School (**Humanities and Social Sciences**)

S. No.	Name of the Lab	Major equipment in the laboratories	2021-22
1.	LANGUAGE LAB (HSS)	Hardware:	
		Dell Precision Tower 3420 Workstation Intel Xeon CPU E3-1225 V5@ 3.3 GHZ, 32 bit, RAM-8 GB, HDD 1TB, Windows 10	1

		HP 280 G2 MT Business PC Intel Core i5-6500CPU @ 3.2 GHZ,64 bit, RAM-8GB HDD-1TB, Windows 10	5
		Dell-D19M-Vostro Intel Core i5-7400-7 th Gen@3.0GHZ, 64bit, RAM 8GB, HDD-1TB, Windows 10 Pro	25
		Lenovo Desktop PC Intel (R) Core (TM) i3 2100 CPU @ 3.10 GHz RAM 2GB System type 32 bit operating system	2
		Headphones Logitech (H-111)	6
		Headphones Logitech (H-110)	27
		Webcam Logitech(C615)	1
		Software:	
		Practical Writing (CLARITY ENGLISH)	33
		Tense Buster (CLARITY ENGLISH)	33
		Clear Pronunciation (CLARITY ENGLISH)	33
		Clarity S.NET	30
		SPSS (24)	3
		Microsoft office	33
		Adobe reader 9.0	33
		Total	265

4.1.2

The university has five well equipped fitness centres (Gyms), 2 Open Badminton courts, 1 Football court, 9 TT Tables, and 1 Indoor badminton court.

Sr. No.	Name of the Facility	No. of Facility	Area (m2) Playing area with free zone
1	Badminton Court (Synthetic Court Indoor)	1 No.	158.34
2	Badminton Court (Outdoor with flood light)	4 Nos.	670.665
3	Basketball Court (Cemented Outdoor with flood light)	1 No.	929.88
4	Cricket Net Practice (Cemented Pitch)	1 No.	1764.3
5	Football Mini Ground (7 aside with flood light)	1 No.	
6	Table Tennis Hall (In Hostel & In academic block)	6 Nos.	201.799
7	Volleyball Court (Outdoor with flood light)	2 Nos.	870
8	Gymnasium Hall in Hostels	5 NOs.	482.81655

JUIT Youth Club (JYC)			
CLUBS		COMMITTEES	
1	Cultural and Dance Club	1	Registration and Hospitality Committee
2	Sports Club	2	Media and Publicity Committee
3	Literary and Debating Club	3	Procurement and Event Management Committee
4	Theatre and Music Club	4	Creative Arts Committee
5	Environment, Ecology and Health Club	5	Disciplinary Committee
6	Technical Sciences, Movies and Photography Club	6	Finance Committee