

Annexure-B

List of Laboratories

School of Mechanical Engineering

S.No.	Name of Laboratory	Area in meter ²
1.	THERMAL & I.C. ENGINE LABORATORY	534
2.	FLUID MECHANICS LABORATORY	150
3.	FLUID MACHINES LABORATORY	150
4.	CIM & STRENGTH OF MATERIALS LAB.	534
5.	THEORY OF MACHINES LABORATORY	150
6.	HEAT & MASS GTRANSFER LABORATORY	150
7.	COMPUTER AIDED DESIGNING LABORATORY	190
8.	METROLOGY, MEASUREMENT AND CONTROL LAB	150
9.	REFRIGERATION & AIR CONDITIONING LAB.	190
10.	MACHINE SHOP	750
11.	WELDING SHOP	250
12.	FOUNDRY SHOP	250
13.	CARPENTRY SHOP	500
14.	SHEET METAL SHOP	250
15.	SMITHY SHOP	250
16.	FITTING SHOP	250

School of Electronics & Communication

S.No.	Name of Laboratory	Area in meter ²
1	SMVDU XILINX DIGITAL LAB	150
2	SMVDU FREESCALE SYSTEMS LAB	150
3	ADVANCED COMMUNICATION ENGINEERING LAB	75
4	COMMUNICATION ENGINEERING LAB	150
5	ANALOG ELECTRONICS LAB	150
6	ELECTRICAL MACHINES & POWER ELECTRONICS LAB	150
7	INSTRUMENTATION & CONTROLS LAB	150
8	PCB MANUFACTURING LAB	75

School of Biotechnology

S. No.	Name of Laboratory	Area in meter ²
1.	MICROBIOLOGY LABORATORY.	150
2.	BIOCHEMISTRY AND MOLECULAR BIOLOGY LABORATORY	150
3.	CHEMISTRY LABORATORY (I AND II)	150
4.	GENERAL BIOTECHNOLOGY LABORATORY	150
5.	SR. MICROBIOLOGY LABORATORY	150
6.	SR. MOLECULAR BIOLOGY LABORATORY	150
7.	BIO-INFORMATICS LAB.	150
8.	TISSUE CULTURE LAB.	150
9.	COLD ROOM	150

School of Computer Science & Engineering

S.No.	Name of Laboratory	Area in meter ²
1	PROJECT LAB	150
2	LINUX LAB	150
3	PROGRAMMING LAB	150
4	DATABASE LAB	150
5	INTERNET LAB	150
6	BASIC COMPUTING LAB	150
7	ONE SERVER ROOM	150

List of Major Equipment/Facilities

School of Computer Sciences & Engineering (CSE)

Department	Description of item	Make	Cost of item	weather in working condition
School of CSE	UPS 600 VA (100 Nos.)	Elnova	227500	yes
School of CSE	UPS 600 VA (55 Nos.)	Elnova	110000	yes
School of CSE	UPS 600 VA (15 Nos.)	Elnova	30000	yes
School of CSE	UPS 600 VA (15 Nos.)	Elnova	30000	yes
School of CSE	laser printer & scanner	HP	64106	yes
School of CSE	Computers (07 Nos.)	HP		yes
School of CSE	Server (2 Nos.)	IBM		yes
School of CSE	Computers (01 No.)	HP		yes
School of CSE	Computers (50 Nos.)	IBM	1750000	yes
School of CSE	Computers (50 Nos.)	HP	1510000	yes
School of CSE	Computers (50 Nos.)	IBM	1560000	yes
School of CSE	Computers (20 Nos.)	HP	554320	yes
School of CSE	Computers (30 Nos.)	IBM	972500	yes
School of CSE	Computers (20 Nos.)	HP	426192	yes
School of CSE	Computers (20 Nos.)	IBM	630200	yes
School of CSE	Computers (15 Nos.)	HP	415740	yes
School of CSE	APC online UPS 5 KVA	APC	1276240	yes
School of CSE	Online interactive UPS	APC	56160	yes
School of CSE	Desktop computers (105 Nos.)	Dell	2215500	yes
School of CSE	Desktop computers (50Nos.)	HP	1432600	yes
School of CSE	printers	HP	36400	yes
School of CSE	printer & scanner	HP	11150	yes
School of CSE	printer 1020 plus	HP	5200	yes
School of CSE	printer (02 Nos.)	HP	19700	yes
School of CSE	printer (01 Nos.)	HP	22360	yes
School of CSE	Printer(2420 n) (04 Nos.)	HP	184954	yes

School of CSE	Printer & Scanners	HP	70200	yes
School of CSE	Printer (1020) (15 Nos.)	HP	152100	yes
School of CSE	Computers (26 Nos.)	Dell	613849	yes
School of CSE	Computers (41 Nos.)	Dell	984064.71	yes
School of CSE	Computers (122 Nos.)	Dell	2824117.98	yes
School of CSE	OFC 6 Core MM Armoured cable	DAX	156000	yes
School of CSE	Symantec Antivirus corporate edition	symantec	183500	yes
School of CSE	1 GB DDR SDRAM single slot	Simmtronic s	71410	yes
School of CSE	Laptops (Sony VAIO) (3 Nos.)	Sony	137720	yes
School of CSE	Campus agreement subscription program	microsoft vista	209456	yes
School of CSE	2 MBPS internet lease line	airtel	576000	yes
School of CSE	Autodesk Revit Series (Educational Version)	Bimdesk	327600	yes

School of Mechanical Engineering (ME)

Department	Description of item	Make	Cost of item	weather in working condition
School of ME	Equipments for Fluid Mechanics Lab Bernauli's Apparatus Reynold Number Major and Minor losses V-and rectangular notch	edu-tek	2544143	Yes
School of ME	Equipments for Strength of Material Lab Universal Testing Machine Hardness testing machine Impact Testing machine	H.C. Memoria l	1881806	Yes
	Torsion Testing machine Faituge testing Machine			
School of ME	Supply of Solar Cookers	vishvakar ma	6156	Yes
School of ME	Equipments for Theory of Machines Lab	Bharat engineer s	256922	Yes
	Governor Balancing apparatus Gyroscope Fly wheel Whirling of shaft			

School of ME	Equipments for Tig and Spot Welding Machines Four stroke petrol engine Test rig. Four stroke Diesel engine Test rig Two stroke petrol engine Test rig Two stroke Diesel engine Test rig Variable compression Test Rig.	Kapal	200000	Yes
School of ME	Equipments for Heat and Mass Transfer lab Composite wall Heat exchanger Thermal conductivity of liquid Stefen bolts men apparatus Free and force convection apparatus	microtek	428300	Yes
School of ME	Dynamometer	Dynamic engg	204398	Yes
School of ME	CNC Production Lathe Machine	Batliboi	1615000	Yes
School of ME	Equipments for I.C. Engine	Accurate	1648125	Yes
School of ME	PRO-e wildfire 4.0 software	RVM Cadsoft	661800	Yes
School of ME	Equipments for Metrology lab	Kapal	117660	Yes
School of ME	Equipments for Metrology lab	Kudale	160735	Yes
School of ME	Equipments for Metrology lab	Radical	395571	Yes
School of ME	Equipments for Metrology lab	Getner	94375	Yes
School of ME	equipments for Refrigeration and Air Conditioning lab	Roorkee equipments	303381	Yes
School of ME	Function generator	Scientech	175905	Yes
School of ME	Digital Oscilloscope	Scientech	147420	Yes
School of ME	DualTtrace cro Digital Oscilloscope	Scientech	384592	Yes
School of ME	Digital Multi meter	Scientech	73912	Yes
School of ME	electronic equipments	Scientech	553731.5	Yes
School of ME	electronic equipments		96322.5	Yes
School of ME	Machine tools	HMT	581947	Yes

School of ME	Auto Cad software	cad soft	544500	Yes
School of ME	Hydraulic cylindrical Grinding machine with accessories	HMT	1185760	Yes
School of ME	lathe machine	continental	123120	Yes
School of ME	equipments for SME	continental	92351	Yes
School of ME	Lathe machines	continental	1725284	Yes
School of ME	sheet bending machine	Kapal	185900	Yes
School of ME	equipments for Mechanical Lab	Kapal	161576	Yes
School of ME	gauges for SME	Kapal	146363	Yes
School of ME	pedestal grinder with accessories	Batliboi	104920	Yes
School of ME	HMT lathe machines	HMT	4776930	Yes
School of ME	Pyranometer	Kipp & Zonen	62780	Yes
School of ME	Energy Management	MECO	46294	Yes

School of Electronic & Communication Engineering (ECE)

Department	Description of item	Make	Cost of item	weather in working condition
School of ECE	Function pulse generator	Scientech	151140	Yes
School of ECE	Fiber optric trainer kit	OSAW	78868	Yes
School of ECE	Experiment kits	OSAW	120241	Yes
School of ECE	Equipments for SECE Labs.	Scientech	1542375	Yes
School of ECE	Equipments for SECE Labs.	Aplab	27562	Yes
School of ECE	mic system	Ahuja	45138	Yes
School of ECE	PA System in sanskrtiti kaksh	Ahuja	127526	Yes
School of ECE	Matlab Software	Matlab	537443	Yes
School of ECE	Electrical items for electrical Machine Lab	Havells	8628	Yes
School of ECE	conference system in council hall	Ahuja	173395	Yes
School of	Items for Xilinx Lab	Xilinx/Digil	541005	Yes

ECE	Dell Desktop PC's with 17" LCD Monitor Spartan-3E Starter Kit Part No. HWSPPD33-SK-US-G XUP-Virtex Pro Board Part No. XUP-V@PRO University Trainer Kits Part No GEC.UPT,UTK. 512 Mb RAM Make Diligent Xilinx ISE 9.2i Xilinx Chipscope Pro Xilinx Embedded Development Kit Version-4.2	ent		
School of ECE	Microprocessor Kit	Sciencetech	33300	Yes
School of ECE	equipments for Fiber optics Lab	Sciencetech	283432	Yes
School of ECE	Equipments for PCB Fabrication Lab. Proto-Contact PCB artwork film maker Proto-Cure 02 PCB curing machine (oven) Photoresist Dip coating Machine Proto-UV double sided UV exposure unit Proto-Etch PCB etching machine Proto Drill 3000 PCB drilling machine Proto-Dye/Developer (2 in 1 unit) Proto-Developer/Stripper (2 in 1 unit) Proto-Ion portable water deionizer RTM-10 Roller Tinning machine MICROPLATE 1012- Thru hole plating system (PTH) LAM-1200 Dry film laminator Ammonical etching machine (Oscillating Spray) RED Lamp assembly Developing trays			Yes
School of ECE	IC programmers for Microprocessor/microcontroller Labs	embedded	25121	Yes
School of ECE	microcontroller Labs	Sciencetech	336746	Yes

School of ECE	Equipments for Measurement and Control Lab.	Advance electronic	47500	Yes
School of ECE	Power Trainer Kit	Scientech	53437	Yes
School of ECE	Equipments for Microwave Lab.	Vidyut	481444	Yes
School of ECE	Equipments for Comm & Engg lab. Oscilloscope SM440 Function Generators SM5074 Digital Multimeters SM7022 Power Supply Model PSD 3304(16) &ST 4074 (05) LCR-Q BRIDGE 6018 Digital Storage Oscilloscope SM 1100 AM Transmitter Kit ST 2201&ACL01 AM Receiver Kit ST2202 & ACL02 FM Transmitter & Receiver Kit ST 2203 PAM,PWM,PPM Kit ST 2110 TDM Modulation Kit ST2103 TDM Demodulation Kit ST2104 Antenna Trainer Kit ST2263 Data Conditioning &Carrier Modulation Kit ST2106 Data Reconditioning &Carrier Demodulation Kit ST2107 Advanced Fiber Optic Trainer Kit ST2502 Multiplexer &Demultiplexer Trainer Kit ST 2503 Decade Resistance Box Decade Inductance Box Decade Capacitance Box 4 ½ Digital Multimeters 1089	Falcon	333000	Yes
School of ECE	Equipments for SECE Labs.	Scientech	543848	Yes
School of ECE	Equipments for Physics lab	associated	914992	Yes
School of ECE	items for Telecom switching lab		243750	Yes
School of ECE	items for Telecom switching lab	ESCO	82322	Yes
School of	Tarang F04 module- wire antenna	Melange	21836	Yes

ECE				
School of ECE	Equipments for Free Scale Lab	Hong Kong co.	160000	Yes
School of ECE	Electrical items for electrical Machine Lab		8340	Yes
School of ECE	Desktop computers (16 Nos.)	Dell	385658.48	yes
School of ECE	Desktop computers(4 Nos.)	Dell	92563.96	yes

School of Biotechnology (Biotech)

Department	Description of item	Make	Cost of item	weather in working condition
School of Biotech	Supply of Celfrost cold room for storage 03 Nos	Celsius	635344	Yes
School of Biotech	Electrophoresis systems	GE	838998	Yes
School of Biotech	Gel Documentation System	Healthcare		Yes
School of Biotech	Thermocycler(PCR)	Bio-rad		Yes
School of Biotech	Ice Flakig M/c	SF Seies 400	358313	Yes
School of Biotech	Supply of Cold Room for SBT	Celfrost	272136	Yes
School of Biotech	Incubator with shaking facility	NBS	1251733	Yes
School of Biotech	Ultra Low Deep freezer	SV instruments		Yes
School of Biotech	High Speed Regfrigerated centrifuge.	Sigma		Yes
School of Biotech	Fermentor	Biostat	899164	Yes
School of Biotech	Fermentor Accessories	Sartorius	163125	Yes
School of Biotech	Laminar Air Flow Cabinet	Thermadyn e	941361	Yes
School of Biotech	Laboratory Tables	Aakar	2272518	Yes
School of Biotech	Stainless Steel Racks	JK Engineering	153650	Yes
School of Biotech	Equipments for Tissue Culture Lab.	Khera Instruments	348000	Yes
School of Biotech	Refrigerator twin door	LG	21590	Yes
School of Biotech	Microwave oven	Samsung	4390	Yes
School of Biotech	UV-VIS Spectrophotometer	Systronics	168896	Yes
School of Biotech	Glass water distillation Flask	solar industl corp	4950	Yes

School of Biotech	Refrigerator for various labs (o4 nos.)	Videocon	108000	Yes
School of Biotech	Ultra Low Deep Freezer	NBS	415516	Yes
School of Biotech	High Precision Analytical Balance	Avon	64688	Yes
School of Biotech	Refrigerated Centrifuge	Yorco	107690	Yes
School of Biotech	Boiling Water Bath	Yorco	28391	Yes
School of Biotech	Hot Air Oven	Orient	20217	Yes
School of Biotech	Laminar Air Flow	ACCO	93000	Yes
School of Biotech	Heating mentals and thermometers.	solar industl corp	26599	Yes
School of Biotech	UV Cabinet	Labco	4860	Yes
School of Biotech	High Precision Analytical Balance	Avon	64888	Yes
School of Biotech	Ph meter	Systronics	16409	Yes
School of Biotech	Biocular Microscope	Olympus	318937.5	Yes
School of Biotech	equipments for microbiology lab I	Khera Instruments	115842.5	Yes
School of Biotech	Lab equipments		950009	Yes
School of Biotech	micro centrifgue & dancing shaker	Spinix	21161	Yes
School of Biotech	Spinix orbital shaker	Spinix	27337	Yes
School of Biotech	electronic weighing balance	Avon	73188	Yes
School of Biotech	equipments for SBT LAB	INDOSAW	177243	Yes
School of Biotech	Server (6 Nos.)	Sun	1,077,587	yes
School of Biotech	1 MBPS interner lease line for SBT	airtel	436000	yes
School of Biotech	Desktop computers (10 Nos.)	Dell	433566	yes

School of Languages

Department	Description of item	Make	Cost of item	weather in working condition
School of Languages	Setup of language lab.	software from focus	591377	Yes

Library

Department	Description of item	Make	Cost of item	weather in working condition
Library	LSEase software	Libsys	459888	Yes