

1. Environmental lab

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
14	DEC/Environmental Lab	BOD Bottle	300 ml with pennyhead stopper	15
		BURETTE with stand		10
		Chloroscope with colour standard		2
		COD ANALYSER	RTD Temperature Probe NEW Ball Bearing Suspension (RV/HA/HB) , T Digest 165 ^{0c} (+-1.5), Temp. Accuracy +- 0.5 ^{0c} ,Measuring Range 30-1000 mg/l	1
		COLONY COUNTER	EE-024, Digital Colony Counter, 3 Digit, 7-Seg. LED, 999.0	1
		COLORIMETER	MT-110	1
		CONDUCTIVITY METER	Accuracy:2% of F. S. D ; Meter dimensions: 111 x 106 x 68 mm;Power Supply Universal : 70V AC to 270V AC SMPS	1
		CONICAL FLASK (250ml capacity)	250ml	30
		Conical Flask 500ml Capacity	500ml Capacity	20
		DIGITAL DO METER	3½ digit LED display with Gold/Silver probe, Range D.O: 0 to 20.0 ppm Accuracy D.O: 0.1 ppm + 1 count Resolution D.O: 0.1 ppm Compensation D.O: + 3%	1
		DIGITAL ELECTRONIC STOP WATCH		3
		DIGITAL FLUOROMETER	Model No. S-915 Display 3 digit bright red seven segment LED display Excitation Source 12 V, 50 W Tungsten Halogen Lamp Sensitivity Range Adjustable in 4 ranges	1
		DIGITAL PH METER	pH Resolution : 0.01 pH,	1
		Evaporating Dishes	Capacity: 60.0 milliliters	5
		EXHAUST GAS ANALYSER		1
		HIGH VOLUME AIR SAMPLER		1
		JAR TEST APPARATUS	Capacity 1 litre, Stirrer: 6	1
		MEASURING CYLINDER	100 ML Capacity	10
		Measuring Cylinder	1Liter Capacity	10
		Measuring Flask	250ml capacity	15
Measuring Flask	500ml capacity	15		

		NOISE LEVEL METER		1
		PIPETTE		50
		REFRIGERATOR	210 litres	1
		Test Tubes (18 x 150 mm)		60
		Thermometer		2
		Top loading Balance		1
		Digital TURBIDITY METER	IE-709, Power Consumption : 230V [Resolution 1 NTU,Accuracy $\pm 3 \% S \pm 1$ digit], Range 0 to 200 NTU 0 to 1000 NTU2	1
		VERTICAL AUTOCLAVE		1
		Incubator	65L, (2.3 cu. ft.)	1
		WATER QUALITY ANALYZER	SMART SENSOR , pH 0.00 ~ 14.00, -10°C ~ 60°C (14°F ~ 140°F), Resolution: pH 0.01, Accuracy: pH: ± 0.05	1

2. VLSI Design Lab

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
27	DEC/ VLSI Lab	MAT Lab	MAT Lab version 16.0 software (25 users)software,	1

3. CAM Lab:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
6	DEC/CAM LAB	CNC Lathe Machine Lab	Max.swim over bed 400 mm,Range of spindle speed150-2500rpm,4/6/or gang-type tool carrier,Max.range of tailstock quill100mm ,Motor power 4.0 KW,Packing size(lenght×width×height)2250/2450mm×1420 mm×2100mm ,Taper of spindle bore,Spindle bore,and accessories.	1
		CNC Vertical Milling Machine (5 Axis) Lab	Table size(mm) 1000×450,all axis travel(mm) ,T-slot(slot number×width×pitch) (mm) 3-18-125,and related accessories	1

4. ARC Welding Machine:

Package Name	Item Name	Item Description/ Specification	Item Quantity
DEC/Arc Welding Machine	Manual Metal Arc Welding	Single phase/220V, current range (A):20-200, Duty cycle(%): 60, Weight(kg) : 10 kg Overall	2

5. RC Detailing and Structural lab:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
10	DEC/RC Detailing Structural Lab	RC Detailing Structure Lab	Bridge Model ,Building Model,Truss Model	1

6. Language Lab:

Item Name	Item Description/ Specification	Item Quantity
door	12x12 with sliding door	1
decking	Instructor area decking	24ftx 12ft
Full Wall pelmet	24ft X 56ft room(1600 sq ft approx)	1
Projection	wall mounted projection system	1
Cladding	Side & Back wall cladding	1
Wall arrangement	Front wall arrangement	1
platform	User area platform	1
painting	Room painting	1
Carpet	Carpet at decking area	1
Fire Extinguisher	Fire Extinguisher - 2 no's 5 KG each	1
Curtain	Curtain - motivational digital prints for room décor	1
Air Conditioner	Blue Star 5HW18SB Split AC(1.5 Ton, 5 Star Rating, White)	4
PVC	PVC laminated gypsum ceiling tiles make India Gypsum, or similar	1
electrical work	Electrical work at false ceiling (Excluding Fan	1 set up
Sitting arrangement	Specially fabricated chair - Desk arrangement for total use	60
Speaker	Speaker with inbuilt amplifier - 20 watt output Make CACM	4
lectern	Specially made lectern for Instructor	1
Multimedia Projector -	Multimedia Projector - 3000 ANSI lumens; native XGA of reputed mak	1
Screen & projector mounting arrangement		1

Online UPS 20KVA	Microtek 3In-3out Online Ups 20KVA, Model: Supermax-Series-I Capacity: 5KVA to 30KVA, Input Voltage: 360V AC~450V AC \pm 5V AC, Three Phase, Output Voltage 400V AC Phase to Phase \pm 3% on 100% unbalance load, Frequency Range: 50Hz \pm 0.5% Frequency: 45~55Hz, Backup Time-25-30min	1
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7. Communication Theory Lab:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
24	DEC/Communication Theory Lab	Communication Theory Lab	PLL using VCO & to measure the lock frequency trainer kit(12V to -12V)	2
			superhetrodyne transmitter trainer kit(12V to -12V)	2
			superhetrodyne receiver trainer kit(12V to -12V)	2
			FM demodulator using PLL trainer kit(12V to -12V)	2
			Measurement of output power with varying modulation index of an AM signal(for both DSB- & SSB). trainer kit(12V to -12V)	2

8. Microwave Engineering Lab:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
26	DEC/Microwave Engineering Lab	Microwave Engineering lab	Liquid Dielectric Cell(350)-l-14cm,d-4cm,stainless	2
			Solid Dielectric Cell-0.005" - 0.35" thick,d-2.8"	2
			Wave Guide Cavity-4-7 GHz,vswr=1.05	2
			Phase Shifter-0.5-40 GHz	2
			Set of Dielectric-for microwave application	2
			Magic Tee-4-7 GHz,vswr=1.05	2
			E Plane Tee -4-7 GHz,vswr=1.05	2
			H Plane Tee-4-7 GHz,vswr=1.05	2
			MHD Coupler - 10 db -4-7 GHz,vswr=1.05	2
			Circulator-5.38-8.17,vswr=1.2	2
			parabolic disc-2-5 GHz	1
			Matched Termination-vswr=1.05	2
			Antenna fabrication Setup-For waveguide & microstrip patch antenna	1

9. Computerised Lathe Tool Dynamo meter:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
11	DEC/Computerised Lathe Tool Dynamo meter	Computerised Lathe Tool Dynamometer Lab	Capacity 3kN X direction measuring range 0 ± 3000N (0.1N sensitivity) Y direction measuring range 0 ±2000N (0.1N sensitivity) Z direction measuring range 0 ± 2000N (0.1N sensitivity) Measurement X, Y & Z direction force measurement GPDS signal conditioner etc.	1

10. Material Testing LAB:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
8	DEC/Material Testing LAB	Computerised Universal Testing Machine Lab	Max. Capacity :100000 kg Min. Graduation : 10 kg Ram Stroke : 200 mm Power : 5 HP Voltage : 400-440 V Phase : 3 Dimensions : 72"x30"x90"(L x W x H) Net Weight : 2200 KG Gross Weight : 2600 kg	1

11. Concrete Lab:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
13	DEC/Concrete Lab	Concrete Lab	Ultrasonic Pulse Velocity Tester,Digital CTM Mchine,Blaine Fineness Apparatus ,Schmidt Rebound HammerRange : 0.1μ sec.to 9999.9 μ sec, Resolution : ± 0.1 μ sec, Calibrated Accuracy : ± 0.1 μ sec	1

12. POWER SYSTEM LAB:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
18	DEC/POWER SYSTEM LAB	Mipower	version 0.21(10 user)	1
		NI cRIO	9061 ,9225,9227, 9063 (VXI, VME ,PXI, Cpci)	1
		DSPACE	version 7.1	1
		3 Phase Transformer	5 KVA	1
		Synchroscope	Technical Specification, Input Voltage Range 88..440V,Burden 1.8VA max, Frequency Range 40 – 65Hz, No of LED's 16, Angle between LED's 22.5°, Red LED ON Range +/- 11.24° geometric, Green LED ON Range 358° to 2° geometric, Accuracy +/- 1°, Humidity 5% to 85% Non condensing, Temperature Range -10...60°C, Storage Temperature -40...70°C	1
		Tamperature Rise Test apparatus	Voltage up to 1,000 V Frequency range 800 Hz Degree of protection up to IP 54 Variable toroidal and column-type regulating transformers Single-phase or three-phase variable transformers Version as an autotransformer or with a galvanically separated winding According to IEC EN 61558-2-14 and VDE 0552 Designed for heavy-duty operation Less voltage drop due to compensating windings Hard silver-plating of the most important contact points – for constantly low transition resistance	1
		High Voltage Tester	Resistance range 600-6000 ohm	1

13. Desktop Server:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
2	DEC/Desktop Server	Desktop Server	IBM server, Intel Xeon processor E5-2600 v3 Processor sockets: 2 Two QPI links at 9.6 GT/s Cache: 2.5MB per core Support for a maximum of 1 internal controller and one external controller.	2

14. Printer:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
3	DEC/Printer	Printer	Brand HP Model M1005	8

15. A1Printer:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
15	DEC/A1Printer	A1 Printer	HP T120 "24-inch (CQ891A) e- Printer	1

16. Swayam Prabha:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
30	DEC/Swayam Prabha	TV (with DTH)	Brand-Sony Display Size 138.8 cm (55), Series-X85 Series HD Technology & Resolution Ultra HD (4K), 3840 x 2160 Screen Type- LED Model Name: KD-55X8500D	4

17. Digital Electronic Circuits Laboratory:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
31	DEC/Digital Electronic Circuits Laboratory	multiplexer-and-demultiplexer-trainer	12V- 0 -12V DC/ 230V AC-50 Hz	1
		Adder- Subtractor kit	12V- 0 -12V DC/ 230V AC	2
		Universal Register (using JK flip-flops and logic gates) kit	12V- 0 -12V DC/ 230V AC	2
		Encoder-Decoder Trainer	12V- 0 -12V DC/ 230V AC	2
		Flip flop trainer kit using nand gates and ttl ics	12V- 0 -12V DC/ 230V AC	2
		Four-bit parity generator and comparator kit	12V- 0 -12V DC/ 230V AC	2
		Synchronous And Asynchronous Counter Trainer	12V- 0 -12V DC/ 230V AC	2
		Adder circuit (using Shift Register and full Adder) trainer kit	12V- 0 -12V DC/ 230V AC	2

18. Copier Machine Lab:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
9	DEC/Copier Machine	Copier Machine	HP Color Laser jet pro MFP, Model No.: M277n Operating system: Windows	2

19. Air Conditioner for LAB:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
5	DEC/Air Conditioner for LAB	Air Conditioner with stabiliser	Blue Star 5HW18SB Split AC(1.5 Ton, 5 Star Rating, White), Microtek stabliser-EM 4090+	12

20. Furniture:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
23	DEC/ Furniture	Furniture	Executive Chair, Executive Sofa Set, Executive Table	10 set
			Computer Table (Neelkamal, 750*650*250cm)	80
			Plastic chair (Neelkamal)	80
			Wooden desk with chair set up of dual sided study system	60 students set up
			Curtain and Floor mat	24ftX56ft
			Book rack for library(steel rack)	10

21. Seminar Room:

SL.No	Package Name	Item Name	Item Description/ Specification	Item Quantity
29	DEC/Seminar Room	Digital Audio System	hifi sys, PMPO 26400watts	1
		White Smart Board	198*130*12cmD	1
		Antivirus	Quick Heal	1
		Cordless Mike	Sennhieser E835S CARDIOID Handheld dynamic microphone with switch	5
		PPT Pointer	Logitech R400 Wireless Laser Presenter	1
		Pen Drives	Class 10, 48Mbps,32GB	5
		Hard Disk	Seagate, Model No.STDR1000301,Model Name-Backup Plus slim, USB 3.0	1
		UPS	30000MAH	1
		Sofa Set	Three Seater Chester Sofa - Beige,Brand:rainforest Italy	4 set
		Office Tables	Wooden with Laptop adjustable facility	2
		Notice Board	4*3 with sliding glass door	4
		Handycam with tripod stand	Brand-Sony, Model-HDR-PJ675, Model name-HDR-PJ675/BCIN5	1
		Student Chair	Plastic cafeteria chair	200
		Steel Almirah	78*36*19" 4 Shelves 20 gauge sheet	1
		Projector	Color/ HDMI Connectivity Muti-PC Projection	1
		Executive Chairs	Metal Visitors Chair	8
		Carpet	Green Carpet for Stage and Brown for Audience stage	2
		Podium	Wooden with Laptop adjustable facility	1
		Proper Lighting System		1
		Curtains(window)	3' * 6'	20
		Curtains(door)	5'*7'	3
PVC laminated Gypsum Ceiling tiles	High Acoustic Ceiling Tiles (4*4 feet)	100		
Projector Screen	Wall Mount Manual Pull Down Projector Screen 16:9 Aspect Ratio	1		
Wall Mounted projection system		1		