



PRESIDENCY UNIVERSITY
BANGALORE
LIST OF EQUIPMENTS

S.No	Name of the Equipment / Software	Year of Purchase	Make	Model	Specification (Working Range, Max. Sample / Speciman Dimention etc.)	Qty	Function / Purpose	Worki ng	Total Cost	Location - Lab Name	Location - Room No.	Bloc k	Departme nt	Faculty In- Charge	Brief Description
1	Total Station	2017	DataCone /Lawrence & Mayo	R - 1505N	Pentax -total station , Pentax - wooden stand, Pentax -Prism with target plate, Pentax -range pole, card reader	3	Total stations are the primary survey instrument. A total station is used in surveying to record features of a project. Traditionally this was done manually by rotating the instrument, but today total stations leverage data electronically for more accurate measurements.	Yes	1104041	Surveying Practice	Frist Floor	E	Civil	Mrs. Shwetha A	Total stations are the primary survey instrument used in mining surveying. A total station is used to record the absolute location of the tunnel walls, ceilings (backs), and floors as the drifts of an underground mine are driven
2	Professional survey Grade unmanned aerial vehicle/drone	2022	CD Space Robotics	SNAP MPPK	SNAP MPPK Drone, Helical antenna , x map base case, dual battery charger, prispole, tripod, base power banker, Li-ion Batteries -5 sets(4200MAH)	1	Drone surveying is an aerial survey conducted using drones and special cameras to capture aerial data with downward-facing sensors. It is frequently used by surveyors and engineers in construction for terrain assessments and mapping. Drone surveying can be 90% faster than manual surveying methods	Yes	1428000	Surveying Practice	Frist Floor	E	Civil	Mrs. Shwetha A	drone survey is now ongoing project (svamitva) .The purpose of this agreement is to facilitate the "Hiring of Professional Survey Grade Drone and trained manpower to operate the drone under supervision of Survey of India officials under SVAMITVA scheme for Survey of Villages and Mapping with Improvised Technology in Village Areas"- Chittoor & Tirupathi Districts.
3	Direct Shear	2016	DataCone		Shear box assembly, 60 mm square, complete with a U-bracket, guide pins and spacing screws, made of brass.	1	The Direct Shear Test is an experimental procedure conducted in geotechnical engineering practice and research that aims to determine the shear strength of soil materials.	Yes	141749	Soil Mechanics	Frist Floor	E	Civil	Mr. Jagdish B Biradar	To determine the shearing strength of the soil using the direct shear apparatus. In many engineering problems such as design of foundation, retaining walls, slab bridges, pipes, sheet piling, the value of the angle of internal friction and cohesion of the soil involved are required for the desig


 REGISTRAR


4	Triaxial shear	2016	DataCone		Supplied with motorised load frame. The loading unit is supplied with one dial gauge bracket. One triaxial cell for specimen, stationary bushing. Lateral pressure assembl. Complete with foot pump and rubber hose. One dial gauge	1	Triaxial testing is a type of shear test for solid materials performed while the specimen is under confining pressures on all sides.	Yes	273374	Soil Mechanics	Frist Floor	E	Civil	Mr. Jagdish B Biradar	A triaxial shear test is a common method to measure the mechanical properties of many deformable solids, especially soil (e.g., sand, clay) and rock, and other granular materials or powders
5	CBR Test Machine	2017	DataCone		CBR (California Bearing Ratio Tes) -Electric cum Hand OperatedLoad Frame, Mould made frame Brass, 1, with perforated base plate and extension collar . Penetration piston, utting collar, Rammer 2. 6 kg. Rammer 4. 89 kg. dial gauge.	1	The California Bearing Ratio or CBR test is performed in construction materials laboratories to evaluate the strength of soil subgrades and base course materials.	Yes	151874	Soil Mechanics	Frist Floor	E	Civil	Mr. Jagdish B Biradar	The California Bearing Ratio (CBR) is a measure of the strength of the subgrade of a road or other paved area, and of the materials used in its construction. The ratio is measured using a standardized penetration test first developed by the California Division of Highways for highway engineering.
6	UCC Test Machine	2016	DataCone		spring operated load frame	1	The unconfined compression test is the most popular method of soil shear testing because it is one of the fastest and least expensive methods of measuring shear strength. It is used primarily for saturated, cohesive soils recovered from thin-walled sampling tubes.	Yes	131624	Soil Mechanics	Frist Floor	E	Civil	Mr. Jagdish B Biradar	The unconfined compression test is a type of triaxial test in which the confining pressure is taken as zero.The unconfined compression strength test is the most popular laboratory test used to determine the compressive strength of soil.
7	BOD Incubator	2018	M/S PSM Scientific systems		BOD Incubator remi maker 170 lts capacity	1	An incubator is designed to provide a safe, controlled space for infants to live while their vital organs develop.	Yes	145730	Environmental Engineering	Frist Floor	F	Civil	Mr. Santosh M B	BOD incubators are especially useful for determining levels of organic matter and nitrogen in waste water samples. These incubators are also called low temperature incubators. The BOD incubator provides the required temperature for the growth of microorganisms and allows to perform the BOD testing

8	Auto Clave Analog	2018	Aimil	AIM 408-2	Autoclave analog with pressuregauge & digital temperature	1	Cement Autoclave provides accelerated curing of mortar bar specimens in controlled steam pressure and temperature to determine the expansion of hydraulic cements	Yes	123570	Concrete & Highway Material Testing	Ground Floor	work	Civil	Mr. Daylan J	An apparatus in which special conditions (such as high or low pressure or temperature) can be established for a variety of applications
9	Marshall Stability Test Machine	2019	Lawrence & Mayo		Autoclave analog with pressuregauge & digital temperature	1	Using the Marshall Stability Test, engineers can predict how well an asphalt mixture will perform and the maximum load it can support	Yes	103840	Concrete & Highway Material Testing	Ground Floor	work	Civil	Mr. Daylan J	Marshall Stability Test Equipment is used by highway departments, contractors, engineers, testing laboratories and other government agencies to test the stability of bituminous samples. It is used for measurement of resistance to plastic flow of cylindrical specimens of bituminous paving mixture loaded on the lateral surface.
10	Automatic Compression and Flexure Testing Machine	2019	Aimil		Automatic compression and Flexure testing machine windows based capacity-3000KN with laptop, flexure attachment, brick plates	1	To determine a material's strength and deformation behavior under compressive load and flexural load.	Yes	1067841	Concrete & Highway Material Testing	Ground Floor	work	Civil	Mr. Daylan J	Automated Compression and Flexure Testing Machine is designed for reliable and consistent testing of different sizes concrete cylinder, cube and beam samples per applicable IS codes
11	Ultrasonic Pulse Velocity Meter	2016	Lawrence & Mayo		V-meter mark IV syste complete model V-C-400	1	UPV tester is used for quality control and inspection of concrete (NDT)	Yes	590000	Concrete & Highway Material Testing	Ground Floor	work	Civil	Mr. Daylan J	UPV tester is used for quality control and inspection of concrete. It measures the transit time of ultrasonic pulses through concrete for inspection of new and old structures, slabs, columns, walls, fire damaged areas, precast and prestressed beams, cylinders and other concrete forms.
12	Universal Testing Machine(Computerized)100 Ton	2016	DataCone		UTM -Software Compression plates- 2 nos, compression shaft with stopper -1 nos, jaws, punchand die attachment, shockles, bending rollers	1	To determine a material's strength and deformation behavior under compressive (pressing) load.	Yes	1204874	Strength of Materials	Ground Floor	E	Civil	Mr. Ajay H A	A universal testing machine (UTM), also known as a universal tester, materials testing machine or materials test frame, is used to test the tensile strength and compressive strength of materials.


 REGISTRAR


13	Fatigue Testing Machine	2016	DataCone		C -Spanner -1 nos	1	Fatigue testing machines are used to determine the durability of a material, component or product,	Yes	248625	Strength of Materials	Ground Floor	E	Civil	Mr. Ajay H A	Fatigue machine is also known as fatigue test machine, fatigue strength tester, or fatigue tester. A fatigue testing machine is a device to assess the fatigue life of materials. It produces cyclic loads that simulate the conditions of service and measures their effect on a specimen. It checks the strength of the material under repeated loads and helps predict the final life span of equipment and machinery used in heavy industries like engineering, etc.
14	Brinell Hardness Testing Machine	2016	DataCone		Steel balls , indenter holders ,brinell microscope ,weigh hanger with weights	1	In the Brinell Hardness Testing, the hardness of a metal is determined by measuring the permanent indentation size produced by an indenter	Yes	101249	Strength of Materials	Ground Floor	E	Civil	Mr. Ajay H A	Brinell hardness is determined by forcing a hardened steel or carbide ball of known diameter under a known load into a surface and measuring the diameter of the indentation with a microscope.
15	Compression Testing Machine	2016	DataCone		capacity -2000 KN	1	To determine a material's strength and deformation behavior under compressive (pressing) load.	Yes	249874	Strength of Materials	Ground Floor	E	Civil	Mr. Ajay H A	To determine a material's strength and deformation behavior under compressive (pressing) load.
16	Impact Testing Machine	2016	DataCone		Carpy striker, Izod Striker, allen keys, Guage	1	An impact testing machine is used to determine the resistance of a material or component to a rapid load under varying temperature conditions.	Yes	101249	Strength of Materials	Ground Floor	E	Civil	Mr. Ajay H A	An impact testing machine is used to determine the resistance of a material or component to a rapid load under varying temperature conditions.
17	Advanced Metallurgical Microscope	2016	DataCone		standard specimen	1	A specialized microscope designed for looking at cross-sections of metal targets	Yes	191361	Strength of Materials	Ground Floor	E	Civil	Mr. Ajay H A	A specialized microscope designed for looking at cross-sections of metal targets
18	Single Phase Transformer Experimental Setup	PU PD 27/2016-17 13/05/2016	TMI		2KVA,230V/115V	2	To understand the oc and sc characteristics of transformer	Working	686840	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	To Determine the Efficiency and Regulation of a Single Phase Transformer and to perform OC and SC tests.
19	3-Phase Squirrel Cage Induction Motor Experimental Setup	PU PD 27/2016-17 13/05/2016	TMI		5 HP,1430 RPM, 415V,7.39A	2	To investigate different characteristics (torque, speed, current, power, power factor, and efficiency)	Working	553104	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	To investigate different characteristics (torque, speed, current, power, power factor, and efficiency)


 REGISTRAR


20	1-Phase Squirrel Cage Induction Motor Experimental Setup	PU PD 27/2016-17 13/05/2016	TMI		1.5HP,1500RPM, 230 V,12A	2	To verify the theoretical concepts with experimental data	Working	410940	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	To conduct load test on 1 phase squirrel cage Induction motor,
21	Data Acquisition System	PU PD 27/2016-17 13/05/2016	TMI		HARDWARE & SOFTWARE (USB PORT)	2	To acquire the real time data from induction motor and analyse it with software.	Working	322088	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	the computer based data acquisition system is suggested to measure on line performance parameters of induction motor.
22	DC Shunt Motor Experimental Setup	PU PD 27/2016-17 13/05/2016	TMI		3HP,1500RPM,220V,12A,EXT N TYPE: Shunt,Amps:0.6A	2	To verify the theoretical concepts with experimental data	Working	684160	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	To perform Load test on DC shunt motor
23	3-Phase Auto Synchronous Motor Experimental Setup	PU PD 27/2016-17 13/05/2016	TMI		5HP,1500RPM,415V,7.39A	2	To verify the theoretical concepts with experimental data	Working	619743	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	To plot V- Curve of synchronous motor
24	DC Shunt Motor-Shunt Generator Experimental Setup	PU PD 27/2016-17 13/05/2016	TMI		3HP,1500RPM,220V,12A,EXT N TYPE: Shunt,Amps:0.7A	2	To verify the theoretical concepts with experimental data	Working	1368320	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	To plot the open circuit characteristics (O.C.C) of a DC shunt generator and to determine its critical resistance. 2) To find the residual magnetism in field
25	3HP DC Shunt Motor Coupled With 1.5KVA Alternator	AHMET PD 186/2018-19 31/10/18	Laimark Technologies,		3HP,1500RPM,220V,12A,EXT N TYPE: Shunt,Amps:0.7A	2	To verify the theoretical concepts with experimental data	Working	189036	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	To plot the open circuit characteristics (O.C.C) of a DC shunt generator and to determine its critical resistance. 2) To find the residual magnetism in field
26	DC Distribution Panel	PU PD 27/2016-17 13/05/2016	TMI		125 Amps/500 V	1	Devices are used to control and distribute appropriate amounts of power to each of your electrical circuits.	Working	127725	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	devices are used to control and distribute appropriate amounts of power to each of your electrical circuits.
27	DC Rectifier Unit	PU PD 27/2016-17 13/05/2016	TMI		200-250 ohm, 130 Amps	1	To supply dc power to the panels of the lab.	Working	332084	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	To supply dc power to the panels of the lab.
28	Hylem Panel For DC Motor And Alternator Setup	/01/19-20 15/04/2019	Laimark Technologies,			2	To verify the theoretical concepts with experimental data	Working	112572	Electrical Machines Lab-1	FGL-01	F	EEE	Mr. K Sreekanth Reddy	
29	Synchronizing Panel With Meters	01/19-20 15/04/2019	Laimark Technologies,			2	To verify the theoretical concepts with experimental data	Working	112572	Electrical Machines Lab-1	FGL-02	F	EEE	Mr. K Sreekanth Reddy	
30	Lamp Load 1.5KVA	/01/19-20 15/04/2019	Laimark Technologies,		1.5KVA	2	To conduct lab experiments	Working	30798	Electrical Machines Lab-1	FGL-03	F	EEE	Mr. K Sreekanth Reddy	

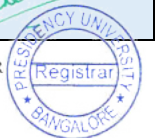
31	Earthing	PU PD 098/2019-20 24/06/2019	CAM SAFE TECH SERVICE PVT LTD #13 Vidya Sagar Layout Thanisandra Bangalore- 560077	#VALUE!		To conduct lab experiments	Working						EEE	
32	Trasformer	Ateq/19-20/69	ACCURA TEQUIPMENT #79 shantha nilaya.2nd main lakshaiiah block ganganagar bangalor 560024	transformer	2	To conduct lab experiments	Working	2,56,768	Electrical Machines Lab	FGL-01	F	EEE	Mr. K Sreekanth Reddy	
33	Digital Energy Meter		Accura Tequipme nt	Type Digital Accuracy Class Class1.0 Frequency 50Hz \pm 5 % System Voltage 415V AC/110V AC Auxiliary 40-275V AC/DC Operating Temperature 0°C to + 55°C CT Ratio-Field Programmable 5/5 to 3000/5 in steps of 5	2	Record the consumption of Electrical Energy in digital Form	Working	10000	Electrical and Electronic Measureme nts and Instrument ation Lab	DFL04	D	EEE	Mr Bishakh Paul	To Record the consumption of Electrical Energy of Induction motor
34	Analog Energy Meter		Accura Tequipme nt	Analog Energy Meter, 230 V Type Analog Voltage 230 V Frequency 50 Hz Measuring Energy Range: 300 r/KW-h Current 20(40)A	2	Record the consumption of Electrical Energy in Analog Form	Working	5000	Electrical and Electronic Measureme nts and Instrument ation Lab	DFL04	D	EEE	Mr Bishakh Paul	To Record the consumption of Electrical Energy of Synchronous motor
35	Trivector Meter		Accura Tequipme nt	Secure Make 11kv Ht Trivector Meter TVM Premier 300	1	Record the consumption of Apparent Energy, Active Energy and Reactive Energy	No. Given for Repair to Accura	8000	Electrical and Electronic Measureme nts and Instrument ation Lab	DFL04	D	EEE	Mr Bishakh Paul	To Record the consumption of Apparent Energy, Active Energy and Reactive Energy of Synchronous motor

36	Humidity Sensor		Accura Tequipme nt	Sparkfun	SEN-09569	2	Record the humidity	Workin g	3000	Electrical and Electronic Measurements and Instrumentation Lab	DFL04	D	EEE	Mr Bishakh Paul	To Record the humidity inside the vessel
37	Pressure Sensor (Absolute)		Accura Tequipme nt	Mouser	841-MPVZ7025G6U	2	Record the Pressure	Workin g	1400	Electrical and Electronic Measurements and Instrumentation Lab	DFL04	D	EEE	Mr Bishakh Paul	To Record the Pressure inside the vessel
38	Temperature Sensor		Accura Tequipme nt	Jameco	LM34DZ	2	Record the Temperature	Workin g	1100	Electrical and Electronic Measurements and Instrumentation Lab	DFL04	D	EEE	Mr Bishakh Paul	To Record the Temperature inside the vessel
39	Flex Sensor		Accura Tequipme nt	Sparkfun	SEN-10264	2	Record the amount of deflection	Workin g	1400	Electrical and Electronic Measurements and Instrumentation Lab	DFL04	D	EEE	Mr Bishakh Paul	To Record the amount of deflection or bending
40	Motion Sensor (PIR)		Accura Tequipme nt	Sparkfun	SEN-13285	2	Record the Motion	Workin g	1500	Electrical and Electronic Measurements and Instrumentation Lab	DFL04	D	EEE	Mr Bishakh Paul	To Record the Motion of any object
41	DC Motor Using IGBT & MOSFET Chopper Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		MOSFET - IRF740 - 2 Amps/600 volts IGBT - BUP402 - 2Amps/400 volts, LCD displau	2	To verify the theoretical concepts with eperimental data	Workin g	84033	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P	
42	DIAC Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		BR 100-0.2 Amps/60 volts	2	To verify the theoretical concepts with eperimental data	Workin g	2393	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P	
43	IGBT Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		BUP402 - 2Amps/400 volts, LCD displau	2	To verify the theoretical concepts with eperimental data	Workin g	4694	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P	
44	Impulse Commutated Chopper Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		2 No SCR - 6Amps/600 volts 2 diodes 2Amps/ 600 volts	2	To verify the theoretical concepts with eperimental data	Workin g	36356	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P	


 REGISTRAR


45	MOSFET Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		IRF740 - 2Amps/60 volts	2	To verify the theoretical concepts with eperimental data	Workin g	4234	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
46	Multiple Power Supply (0-30V/2amps)	AHMET 121- 2017-18 24/07/2017	Uday Engineers		30volts 2 Amps	15	To verify the theoretical concepts with eperimental data	Workin g	105616	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
47	Parallel Inverter Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		2 No SCR - 6Amps/600 volts 0-30v/2A power supply	2	To verify the theoretical concepts with eperimental data	Workin g	33963	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
48	Pulse Transformer 1:1:1	AHMET 121- 2017-18 24/07/2017	Uday Engineers		Transformer 1:1:1	2	To verify the theoretical concepts with eperimental data	Workin g	276	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
49	Single Phase Induction Motor Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		2 No SCR - 25TTSI - 16 Amps/1200 V, Triac - BT 136 - 4 Amps/600 V inductioin motor - 0.5 HP/230V, 0-300 V	2	To verify the theoretical concepts with eperimental data	Workin g	37383	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
50	SCR Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		TYN 604 - 4 AMps/600 V	2	To verify the theoretical concepts with eperimental data	Workin g	4694	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
51	SCR Digital Triggering Circuit Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		TYN 604 - 4 AMps/600 V 20V-0-20V/0.5 Amps	2	To verify the theoretical concepts with eperimental data	Workin g	14634	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
52	Series Inverter Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		2 No SCR - 6Amps/600 volts 0-30v/2A power supply	2	To verify the theoretical concepts with eperimental data	Workin g	33963	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
53	Single Phase Fully Controlled Rectifier Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		SCR TYN `604 - 4 AMps/600 V, 2 diodes 2 Amps/600 V, Bridge Rectifier - 220V/2Amps	2	To verify the theoretical concepts with eperimental data	Workin g	59477	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
54	TRIAC Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		BT 136 - 4 Amps/600 V	2	To verify the theoretical concepts with eperimental data	Workin g	4694	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
55	UJT Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		2N2646 - 0.5 Amps/ 400 V	2	To verify the theoretical concepts with eperimental data	Workin g	2853	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
56	Universal Motor Module Testing Unit	AHMET 121- 2017-18 24/07/2017	Uday Engineers		HARDWARE & SOFTWARE	2	To verify the theoretical concepts with eperimental data	Workin g	38489	Power Electronics DFL1	DFL01	F	EEE	Ms. Ragasudha C P
57	Digital DC Ammeter (0-20mA)	PUPD 201 2018-19 23/01/2019	Uday Engineers		0-20mA	12	To verify the theoretical concepts with eperimental data	Workin g	19116	Power Electronics DFL1	DFL02	F	EEE	Ms. Ragasudha C P

REGISTRAR



58	Digital DC Ammeter (0-200mA)	PUPD 201 2018-19 23/01/2019	Uday Engineers		0-200mA	12	To verify the theoretical concepts with experimental data	Working	19116	Power Electronics DFL1	DFL03	F	EEE	Ms. Ragasudha C P
59	Screw Driver Set	BY Mail 15/02/2019	Uday Engineers		Hardware	1	To conduct lab experiments	Working	413	Power Electronics DFL1	DFL04	F	EEE	Ms. Ragasudha C P
60	Screw Drivers	BY Mail 15/02/2019	Uday Engineers		Hardware	2	To conduct lab experiments	Working	177	Power Electronics DFL1	DFL05	F	EEE	Ms. Ragasudha C P
61	Nose Plier	BY Mail 15/02/2019	Uday Engineers		Hardware	1	To conduct lab experiments	Working	247.8	Power Electronics DFL1	DFL06	F	EEE	Ms. Ragasudha C P
62	Wire stripper (PYE-950)	BY Mail 15/02/2019	Uday Engineers		Hardware	1	To conduct lab experiments	Working	59	Power Electronics DFL1	DFL07	F	EEE	Ms. Ragasudha C P
63	Pulse Transformer 1:1:1	BY Mail 15/02/2019	Uday Engineers		1:1:1 Transformer	4	To conduct lab experiments	Working	259.6	Power Electronics DFL1	DFL08	F	EEE	Ms. Ragasudha C P
64	Extention Board	PU PD 202 2018-19 23/01/2019	Uday Engineers		0-5/10 AMP	8	To conduct lab experiments	Working	11800	Power Electronics DFL1	DFL09	F	EEE	Ms. Ragasudha C P
65	Extention Board	PU PD 202 2018-19 23/01/2019	Uday Engineers		0-5/10 AMP	8	To conduct lab experiments	Working	23600	Power Electronics DFL1	DFL10	F	EEE	Ms. Ragasudha C P
66	NI Academic LabView Software (One Set Of 30 Users)	AHMET 103/2017-18 20/07/2017	Trident Techlabs PVT LTD.,		One Set Of 30 Users	1	To conduct lab experiments	Working	1788965	Electrical & Electronics Measurements & Instrumentation	DFL04	F	EEE	Mr. Bishakh Paul
67	NI ELVIS II+Hardware	AHMET 103/2017-18 20/07/2017	trident Techlabs PVT LTD		II+Hardware	3	To conduct lab experiments	Working	1255784	Electrical & Electronics Measurements & Instrumentation	DFL04	F	EEE	Mr. Bishakh Paul
68	NI MyRio(AH)	AHMET 103/2017-18 20/07/2017	Trident Techlabs PVT LTD.,		II+Hardware	4	To conduct lab experiments	Working	256599	Electrical & Electronics Measurements & Instrumentation	DFL04	F	EEE	Mr. Bishakh Paul
69	NI DAQ-University Kit	AHMET 103/2017-18 20/07/2017	Trident Techlabs PVT LTD.,		Hardware Kit	2	To conduct lab experiments	Working	102574	Electrical & Electronics Measurements & Instrumentation	DFL04	F	EEE	Mr. Bishakh Paul

REGISTRAR



70	J Type Thermocouple Wire	AHMET 103/2017-18 20/07/2017	Trident Techlabs PVT LTD.,		Hardware	2	To conduct lab experiments	Workin g	8303.36	Electrical & Electronics Measureme nts & Instrument ation	DFL04	F	EEE	Mr. Bishakh Paul
71	Wire 100 Ohm	AHMET 103/2017-18 20/07/2017	Trident Techlabs PVT LTD.,		100 ohm	2	To conduct lab experiments	Workin g	8303.36	Electrical & Electronics Measureme nts & Instrument ation	DFL04	F	EEE	Mr. Bishakh Paul
72	AC Servo Motor Module	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt		Hardware	2	To conduct lab experiments	Workin g	30208	Control System	DFL01	F	EEE	Dr Jisha L K
73	Decade Resistance Box	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt		5 Dial, 10ohm - 1Megaohm	10	To conduct lab experiments	Workin g	20768	Control System	DFL01	F	EEE	Dr Jisha L K
74	Decade Capacistance Box	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt		5 Dial, 100pf - 10mf	10	To conduct lab experiments	Workin g	20768	Control System	DFL01	F	EEE	Dr Jisha L K
75	Decade Inductance Box	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt		5 Dial, 100mf - 1 Henry	10	To conduct lab experiments	Workin g	20768	Control System	DFL01	F	EEE	Dr Jisha L K
76	Digital Storage Oscilloscope	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt	Sciente ch 401	50 MHz Bandwidth	8	To conduct lab experiments	Workin g	181248	Control System	DFL01	F	EEE	Dr Jisha L K
77	Digital Multimeter	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt	Mastec h MS 8040	22000 count, 44 bargraph	10	To conduct lab experiments	Workin g	153400	Control System	DFL01	F	EEE	Dr Jisha L K
78	DC Position Control Unit	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt		120 V servo motor 1.2 Amps, 50 RPM, 12 V power supply	2	To conduct lab experiments	Workin g	45312	Control System	DFL01	F	EEE	Dr Jisha L K
79	Function Generator-10Mhz	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt	Sciente ch 406	40 MHz frequency counter	8	To conduct lab experiments	Workin g	87291.7	Control System	DFL01	F	EEE	Dr Jisha L K
80	P I D Controller Unit	AHMET 276 2017-18 23/01/2018	Accura Tequipme nt		3 & 1/2 Digit LCD display, +12V power supply	2	To conduct lab experiments	Workin g	30208	Control System	DFL01	F	EEE	Dr Jisha L K
81	Wire stripper (PYE-950)	By Mail 15/02/2019	Accura Tequipme nt		PYE-950	1	To conduct lab experiments	Workin g	59	Control System	DFL01	F	EEE	Dr Jisha L K


 REGISTRAR


82	wire Cutter	By Mail 15/02/2019	Accura Tequipme nt		Hardware	1	To conduct lab experiments	Workin g	354	Control System	DFL01	F	EEE	Dr Jisha L K	
83	Spring Board	AHMET 276/2017-18 23/01/2018	Accura Tequipme nt		Hardware	10	To conduct lab experiments	Workin g	14160	Control System	DFL01	F	EEE	Dr Jisha L K	
84	Mi Power Full Package , Annual Software Support Contract 1 Set/ warranty Period	PU PD 249/2018-19 08/03/2019	Power Research & Developm ent Consultant s Pvt. Ltd.Bengal uru	NA	Software	30 Users warrant y Period (From 08/03/ 2019 To 07/03/ 2020)	To carry out the simulation of given power system netork.	Workin g	100300	Power System Simulation Lab	DFL01	F	EEE	Mr. Ravi V Angadi	To performs experiments in the Power System Simulation Laboratory: Ybus/Zbus Compuation, LFA, SCC, TSA, FA, Economic Dispatch and Contingency Analysis.
85	Power Analyzer with Harmonic Measurement	06/01/2022	Accura Tequipme nt	KUSA M- MECO	KUSAM-MECO Multifunction Power and Harmonic Analyser, Class "S" Multifunction power and harmonic Analyser with Bandwidth of 50Hz.	1	for lab experiments and project works	workin g	325000	Fundament als of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	For lab experiments and projects
86	Digital Multi meter	06/01/2022	Accura Tequipme nt	DM	HTC: model DM 97 3 3/4 Digital Multimeter, 4000 counts large LCD display with Auto/Manual range, Data hold, Max/min value hold	5	To conduct lab experiments	workin g	13000	Fundament als of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	
87	Regulated DC Power Supply	06/01/2022	Accura Tequipme nt		Single output, 0-30V, 5A	5	To conduct lab experiments	workin g	44500	Fundament als of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	
88	Decade Resistance Box	06/01/2022	Accura Tequipme nt		5 Dial, 10ohm - 1Megaohm	5	To conduct lab experiments	workin g	15000	Fundament als of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	
89	Decade Inductance Box	06/01/2022	Accura Tequipme nt		5 Dial, 10o micro H - 1H	5	To conduct lab experiments	workin g	15000	Fundament als of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	
90	Analog Wattmeter LPF	06/01/2022	Accura Tequipme nt		0-300V, 5A	2	To conduct lab experiments	workin g	6000	Fundament als of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	



 REGISTRAR


91	Analog Wattmeter UPF	06/01/2022	Accura Tequipme nt		0-300V, 5A	2	To conduct lab experiments	workin g	6000	Fundamentals of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	
92	Voltmeter	06/01/2022	Accura Tequipme nt		0-30V	5	To conduct lab experiments	workin g	7500	Fundamentals of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	
93	////	06/01/2022	Accura Tequipme nt		0-10A	5	To conduct lab experiments	workin g	7500	Fundamentals of Electrical and Electronics Engg Lab	FGL-01	F	EEE	Dr Jisha L K	
94	Zealtech Workbench SE Lab-code:ZTWBSE 1020 15 Work centers with 20 Experiment boards	08/07/1905	Zealtech Workbench SE	ZTWB SE 1020	With Power supply & Meters,1.ELS.NET web based application software for each work center 2. Detailed instruction and student manual (Excluding on Board DSO-Oscilloscope& Function Generator)	15	Conduction of Lab experiment	Workin g	2568000	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	For conduction of hardware experiments of AE Lab, LIC Lab and other project works.
95	Scientific make 100Mhz Digital Oscilloscope.Model SM1002	08/07/1905	Scientific	SM1002	100Mhz	17	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques	Workin g	645660	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques
96	Signal Generator 5Mhz with PC Interface and Software	08/07/1905	Zealtech	TM5005	5Mhz	17	Conduction of Lab experiment	14 are in Workin g Condition (3 request raised for rapair)	215220	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	A signal generator is one of a class of electronic devices that generates electrical signals with set properties of amplitude, frequency, and wave shape
97	PC based USB-DSO.DAQ	08/07/1905	TMI System	15 upgraded to TM 2700	DAQ with USB	15	Interface with PC	Workin g	205725	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	In the absence of DSO/CRO the waveforms can be analyzed using PC when interfaced
98	Spectrum Analyzer.	08/07/1905	TMI System	TM 1005	1KHz -1GHz,PC based Unit LCD display for indicating Power levels,Input Attenuation level and Mixer	1	Analyze the different Spectrum	Workin g	68575	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	Frequency Range/ Bands can be measured from the Spectrum Signal Amplitude levels can be measured in terms of Modulation

99	PC BASED 32 CHANNEL LOGIC Analyzer and 16 bit Pattern Generator	08/07/1905	TMI System	PGLA55	32 CHANNEL	2	program a sequential circuit in Verilog code as a pattern generator	Working	118160	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	program a sequential circuit in Verilog code as a pattern generator
100	Analog IC Tester	08/07/1905	TMI System	TIC6600	20 PIN	2	Tests most of the ICs in DIP package	Working	33205	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	Tests most of the ICs in DIP package
101	Multioutput power supply	08/07/1905	Zeal TECH	NA	0-30V Variable, +/-12V,+5V 2Amps	2	Conduction of Lab experiment	Working	29197.5	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories
102	Analog and Digital Metres	08/07/1905	MECO	MR100	0-2milli Amps,0-200 milli Amps	2	Measure the current/voltage	Not working (request raised for repair)	17175	Analog Electronics	F-FGL-2	F	ECE	Mrs.Amrutha Nair	Measure the current/voltage
103	100 Mhz Bandwidth, 2 Channel Storage Oscilloscope	11/07/1905	Scientific	SM1002	100Mhz	15	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques	Working	473918	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques
104	Function Generator	11/07/1905	Scientific	4061	10mhz with 40mhz Frequency count	8	generate and deliver standard waveforms, typically sine and square waves, to a device under test	Working	96288	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	generate and deliver standard waveforms, typically sine and square waves, to a device under test
105	PCB Protype making machine	14/07/1905	ETS		Option for double sided PCB (300w)	1	Design and make the required PCB	Working	660800	Analog Electronics	F Block-FGL-2	F	ECE	Mrs.Amrutha Nair	Design and make the required PCB
106	HP LJ 1136 MFP Printer	11/07/1905	HP	CNJKM5B9P8		1	Taking Printouts	Working	13688	Signals and Systems	D Block-DFL4	D	ECE	Dr.Muthupandi	Print departmental/lab documents
107	DSO SM01002 100MHz	14/07/1905	Scientific	SM01002	100MHz	20	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques	Working	848373	Elements of Electronics Engineering	E Block-EGL1	E	ECE	Dr.Safinaz	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques
108	DC Power Supply DUAL O/P 0-30VOLTS 2 AMPS VARIABLE	14/07/1905	UDAY		0-30V Variable, 2Amps	20	Using DC supply	Working	132726	Elements of Electronics Engineering	E Block-EGL1	E	ECE	Dr.Safinaz	designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories
109	HTC DM 97	14/07/1905	HTC	97		20	Measurement of different parameters	Working	46633.6	Elements of Electronics Engineering	E Block-EGL1	E	ECE	Dr.Safinaz	Measurement of different parameters
110	Digital Volt Meter 0-30V MAKE UDAY	14/07/1905	UDAY		0-30V	20	Using DC supply	Working	25110.4	Elements of Electronics Engineering	E Block-EGL1	E	ECE	Dr.Safinaz	Measure the voltage

111	Digital AmMeter 0-200mA MAKE UDAY	14/07/1905	UDAY		0-200mA	20	Measure the current	Workin g	25110.4	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	Measure the current
112	Digital AmMeter 0-500 MICRO A MAKE UDAY	14/07/1905	UDAY		0-500 Micro A	20	Measure the current	Workin g	25110.4	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	Measure the current
113	Soldering Iron with stand	14/07/1905	Soldron		NA	4	used for different Projects and Lab servicing	Workin g	1937.09	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	used for different Projects and Lab servicing
114	Wire stripper	14/07/1905	CIC Tools		NA	1	Lab purpose	Workin g	278.008	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	strips inner and outer sheaths on wires and cables
115	Wire cutter	14/07/1905	CIC Tools		NA	2	Lab purpose	Workin g	699.504	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	cutting wires
116	Screw Driver Set	14/07/1905	Taparia		NA	1	Lab purpose	Workin g	349.752	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	for turning screws with slotted heads
117	Cutter	14/07/1905	CIC Tools		NA	2	Lab purpose	Workin g	1165.84	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	cutting wire and tapes
118	Cutting Player	14/07/1905	Taparia		NA	1	Lab purpose	Workin g	349.752	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	For work involving cutting and skinning wires, cutting and removing pins, nails and other fasteners.
119	Nose Player	14/07/1905	NA		NA	1	Lab purpose	Workin g	349.752	Elements of Electronics Engineerin g	E Block- EGL1	E	ECE	Dr.Safinaz	Use to grip small objects, reach awkward places, holding wires, bend loops, and attach wires. Work involving smaller gauge wire.
120	Tester	14/07/1905	Taparia		NA	2	Lab purpose	Workin g	502.208	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	use to test whether machine or device is working properly.
121	Twizer	14/07/1905	Maruthi		NA	2	Lab purpose	Workin g	107.616	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	remove or hold items that are too small or delicate for our fingers
122	Desoldering Pump	14/07/1905	Noel		NA	2	Lab purpose	Workin g	394.592	Elements of Electronics Engineerin	E Block- EGL1	E	ECE	Dr.Safinaz	remove solder from a printed circuit board

123	Small wrench Adjustable	14/07/1905	Ingco		NA	2	Lab purpose	Working	789.184	Elements of Electronics Engineering	E Block-EGL1	E	ECE	Dr.Safinaz	tighten and loosen fastenings of all sizes
124	Function Generator 10mhz with 40mhz Frequency count	14/07/1905	Scientific	4061	10mhz with 40mhz Frequency count	20	Different wave forms are using to conduct lab experiments	Working	267624	Elements of Electronics Engineering	E Block-EGL1	E	ECE	Dr.Safinaz	A signal generator is one of a class of electronic devices that generates electrical signals with set properties of amplitude, frequency, and wave shape
125	TMI System Make Digital IC Tester.Model tic 5500	08/07/1905	TMI System	TIC 5500	10 Pin IC base tester	2	Testing of IC s, To conduct Lab experiment	Working	33205	FFR2-Digital Electronics	FBlock-FFR2	F	ECE	Mrs.Renuka Bhagwat	confirm whether the IC under consideration is working properly or not
126	TMI System Make Digital IC Trainer kit with Patch chords	08/07/1905	TMI System	TIC 5500	20X5 pin IC base ,with bread board,with power supply+-15V,5V, 1Hz to 1Mhz clock	2	To conduct Lab experiment	Working	27193.8	FFR2-Digital Electronics	FBlock-FFR2	F	ECE	Mrs.Renuka Bhagwat	tool for understanding, teaching, and testing digital electronic circuits
127	TMI System Make Digital IC Trainer kit with Patch chords	08/07/1905	TMI System	TIC5500	20X5 pin IC base ,with bread board,with power supply+-15V,5V, 1Hz to 1Mhz clock	30	To conduct Lab experiment	Working	407906	FFR2-Digital Electronics	FBlock-FFR2	F	ECE	Mrs.Renuka Bhagwat	tool for understanding, teaching, and testing digital electronic circuits
128	Digital IC Trainer kit with Patch chords	09/07/1905			20X5 pin IC base ,with bread board,with power supply+-15V,5V, 1Hz to 1Mhz clock	10	To conduct Lab experiment	Working	122750	FFR2-Digital Electronics	FBlock-FFR2	F	ECE	Mrs.Renuka Bhagwat	tool for understanding, teaching, and testing digital electronic circuits
129	PC-DT-OC DIGITAL IC TRAINER KIT	11/07/1905	ALS	PC-DT-OC	20X5 pin IC base ,with bread board,with power supply+-15V,5V, 1Hz to 1Mhz clock	20	To conduct Lab experiment	Working	170392	FFR2-Digital Electronics	FBlock-FFR2	F	ECE	Mrs.Renuka Bhagwat	tool for understanding, teaching, and testing digital electronic circuits
130	MINMAX MAKE MICROPROCESSOR BASED ANALOG & DIGITAL TESTER	11/07/1905	MINMAX	MME ADIT40	Analog ICS upto 20 Digital Ics upto 40 pins with 2 keys keyboard and 16X2 LCD Alphanumeric display	2	To conduct Lab experiment	Working	59944	FFR2-Digital Electronics	FBlock-FFR2	F	ECE	Mrs.Renuka Bhagwat	confirm whether the IC under consideration is working properly or not
131	HP DESKTOP HP 400 GTMT/	13/07/1905	HP	HP 400 GTMT	CorI5 10500/16GB Ram/1TB SATA HDD /2GB Graphics Card/HP KBD & Mouse /DOS/21.5"Monitor/3 Year Warranty	30	Simulation of Experiments	Working	1513350	FFR2-Digital Electronics	FBlock-FFR2	F	ECE	Mrs.Renuka Bhagwat	Simulation of Experiments
132	DSP Starter Kit TMS320C6748 DSP Development Kit (LCDK)-	10/07/1905	Texas	TMS320C6748	USACasing,XDS100V2/V3 USB JTAG Emulator, Headers, SD Cards, Mini A/B micro SD Card With HD Adapter Quick Start Guide	30	Working on DSP processor	Working	878628	DFL4-Digital Signal Processing	D-BLOCK-DFL4	D	ECE	Dr.Muthupandi	speed the development of high precision applications
133	Operational Amplifier Kit	10/07/1905	NVIS	Nvis 6578	Fixed power supply +/- 12V, +5V , variable DC power supply 1.5 to 10V,Function generator 1K to 100KHz	15	To perform Opamp experiments	12 are working condition (request raised for rapair of 3 Kits)	213489	FGL2-Linear Integrated Circuits	F-BLOCK-FGL2	F	ECE	Mrs.Samreen	amplify dc as well as ac input signals and was originally designed for computing such mathematical functions as addition, subtraction, multiplication, and integration.


 REGISTRAR


134	Precision Half Wave Rectifier & full wave Rectifier Module	10/07/1905	AS Instruments	NA	2 Opamp Ic base with +/-12V	15	Rectification	Working	45135	FGL2-Linear Integrated Circuits	F Block FGL-2	F	ECE	Mrs.Samreen	The precision rectifier is a configuration obtained with an operational amplifier in order to have a circuit behave like an ideal diode and rectifier.
135	Op-Amp module to study Wein Bridge Oscillator	10/07/1905	AS Instruments	NA	Opamp Ic base with +/-12V	15	To generate Sine wave form	Working	45135	FGL2-Linear Integrated Circuits	F Block FGL-2	F	ECE	Mrs.Samreen	useful reference oscillator for analog circuits, and the output signal can then be manipulated with other analog circuits
136	Op-Amp module to Generate Triangular wave	10/07/1905	AS Instruments	NA	2 Opamp Ic base with +/-12V	15	To generate Triangle wave	Working	48896.3	FGL2-Linear Integrated Circuits	F-Block-FGL2	F	ECE	Mrs.Samreen	sampling circuits, tone generator
137	Astable multivibrator, Monostable multivibrator using 555 timer	10/07/1905	AS Instruments	NA	555 Ic base with 5V	15	To generate Square wave	Working	42126	FGL2-Linear Integrated Circuits	F Block FGL-2	F	ECE	Mrs.Samreen	Generate precise time duration of HIGH and LOW output
138	PLL frequency Demodulator using IC LM565 with power supply model : AB25	10/07/1905	Scientech	AB25	IC LM565 with power supply	15	PLLs are used to generate, stabilize, modulate, demodulate, filter or recover a signal from a "noisy" communications channel where data has been interrupted.	Working	43630.5	FGL2-Linear Integrated Circuits	F Block FGL-2	F	ECE	Mrs.Samreen	PLLs are used to generate, stabilize, modulate, demodulate, filter or recover a signal from a "noisy" communications channel where data has been interrupted.
139	Module to study Voltage regulator using LM317	10/07/1905	AS Instruments		LM 317 Regulator based	15	Regulate the voltage	Working	48896.3	FGL2-Linear Integrated Circuits	F Block FGL-2	F	ECE	Mrs.Samreen	ensures a steady constant voltage supply through all operational conditions
140	3 ½ Digital Multimeter Model:DM97	10/07/1905	STC	DM97		20	To measure various Parameters	Working	44132	FGL2-Linear Integrated Circuits	F Block FGL-2		ECE	Mrs.Samreen	Measurement of different electrical parameters
141	8086/8088 based low cost Microprocessor Trainener	09/07/1905	ESA	ESA 86/88E	low cost Microprocessor Trainener with on-board USB port, Provision for optical PC Key board & user manual; model:ESA 86/88E along with power supply, PC Key board & Battery Backup.	30	To conduct MPI lab experiments	Working	223515	Microprocessor Programming and Interfacing	D-BLOCK-DL4	D	ECE	Mrs.Renuka Bhagwat	supports Pipelining. Memory segmentation: In order to increase execution speed and fetching speed, 8086 segments the memory.
142	16 Channel 8-bit ADC Interface with user manual;	09/07/1905	ESA	IF-16ADC8	16 Channel 8-bit ADC	30	Interface ADC with Microprocessor	Working	55475.3	Microprocessor Programming and Interfacing	D-BLOCK-DL4	D	ECE	Mrs.Renuka Bhagwat	convert analog signals into digital representations that can be communicated and processed using digital logic.
143	Dual DAC Interface with user manual	09/07/1905	ESA	IF-DDAC	Dual DAC Interface	30	Interface DAC with Microprocessor	Working	28441.8	Microprocessor Programming and Interfacing	D-BLOCK-DL4	D	ECE	Mrs.Renuka Bhagwat	convert digital data streams into analog audio signals

144	Elevator Interface with user manual	09/07/1905	ESA	IF-ELV	Keyboard with LED	30	Interface Elevator with Microprocessor	Working	25968.6	Microprocessor Programming and Interfacing	D-BLOCK-DFL4	D	ECE	Mrs.Renuka Bhagwat	selecting a floor and then exiting the elevator upon reaching its destination.
145	Stepper Motor Interface	09/07/1905	ESA	IF-STEP	with Stepper Motor (3kgcm) Power Adapter & user manual;	30	Interface Stepper Motor with Microprocessor	Working	123660	Microprocessor Programming and Interfacing	D-BLOCK-DFL4	D	ECE	Mrs.Renuka Bhagwat	convert pulse signals from the controller into motor motion to achieve precise positioning.
146	TXTR Interface	09/07/1905	ESA	IF-TXDR ADC	using PT100 with ADC and user Manual	30	Transmitter and Receiver Interface	Working	109130	Microprocessor Programming and Interfacing	D-BLOCK-DFL4	D	ECE	Mrs.Renuka Bhagwat	A TXTR is a combination transmitter/receiver in a single package
147	Seagate 2TB HDD Backup 3 years warranty Slno NABD83KA NABD83KC	12/07/1905	Seagate	2TBT O	2TB HDD	2	For installation purpose	Working	12331	Microprocessor Programming and Interfacing	D-BLOCK-DFL4	D	ECE	Mrs.Renuka Bhagwat	Hard Disk Drive
148	Amplitude Modulation & Demodulation Trainer Model: Scientech 2170J	09/07/1905	Scientech	Scientech 2170J	Study of amplitude modulation using transistORIZED circuit	3	Conduction of Lab experiment	2 are working (request raised for rapair of 1 Kit)	21504	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	Modulation is the process of varying one or more properties of a periodic waveform
149	Frequency Modulation & Demodulation Trainer Model: Scientech 2170K	09/07/1905	Scientech	Scientech 2170K	Study of frequency modulation using voltage controlled oscillator	3	Conduction of Lab experiment	Working	21504	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	In FM, the Frequency (signal strength) of the carrier wave is varied in proportion to the waveform being transmitted
150	Pre-emphasis and De-emphasis circuit Trainer Model: Scientech AB103	09/07/1905	Scientech	Scientech AB103	Pre-emphasis and De-emphasis circuit with power supply	3	Conduction of Lab experiment	Working	13824	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	Pre-emphasis works by boosting the high-frequency portion of the signal
151	DSB/SSB AM Transmitter Trainer Model: Scientech 2201	09/07/1905	Scientech	Scientech 2201	Onboard audio oscillator ,455KHz,1Mhz carrier, Transmitting antenna and speaker	4	Conduction of Lab experiment	2 kits are not working (request raised for rapair of 2 Kits)	42803.2	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	AM Transmitter is a comprehensive learning solution specifically designed to study basic operation

152	DSB/SSB AM Receiver Trainer Model: Sciotech 2202	09/07/1905	Sciotech	Sciotech 2202	Onboard local oscillator ,RF ,IF Amplifier,Detectors,Receiving Antenna	4	Conduction of Lab experiment	2 kits are not working (request raised for rapair of 2 Kits)	44851.2	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	DSB/SSB AM Receiver is a comprehensive learning solution specifically designed to study basic operation
153	Frequency Division Multiplexer/Demultiplexer Trainer Model: Sciotech 2211	09/07/1905	Sciotech	Sciotech 2211	sine and audio input DSB SC modulation and study of Fourier transform of DSB modulation	3	Conduction of Lab experiment	Working	35328	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	In telecommunications, frequency-division multiplexing (FDM) is a technique by which the total bandwidth available in a communication medium is divided into a series of non-overlapping frequency bands
154	PAM-PPM-PWM Modulation & Demodulation Trainer Model: Sciotech 2110	09/07/1905	Sciotech	Sciotech 2110	Technics using natural and flat top sampling on board filter	4	Conduction of Lab experiment	2 kits are not working (request raised for rapair of 2 Kits)	42803.2	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	It is used to compress data and hence it is used for storage
155	Sampling &Reconstruction Trainer Model: Sciotech 2151	09/07/1905	Sciotech	Sciotech 2151	Crystal controlled pulse generator	3	Conduction of Lab experiment	Working	27648	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	A continuous time signal can be processed by processing its samples through a discrete time system
156	TDM Pulse Amplitude Modulation/Demodulation model: Sciotech 2152	09/07/1905	Sciotech	Sciotech 2152	Crystal controlled clock ,Onboard sine wave generator	3	Conduction of Lab experiment	Working	33177.6	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	Pulse-amplitude modulation (PAM) is a form of signal modulation
157	AM/FM Radio Receiver Trainer Model: Sciotech 2661A	09/07/1905	Sciotech	Sciotech 2661A	Measurements AM/FM Radio self contained techbook onboard tuner provided for tunnig the AM/FM transmitting stations.	3	Conduction of Lab experiment	Working	56217.6	Analog Communication	F-BLOCK-FFR1		ECE	Mrs.Ashwini	A portable battery-powered AM/FM broadcast receiver, used to listen to audio broadcast by local radio stations
158	Transmission Line Training System Trainer Model: Nvis7063	09/07/1905	Sciotech	Nvis7063	To study short ckt medium, Long Transmission Line,Determine the A B C D,H, Z and image parameter of short transmissin line	1	Conduction of Lab experiment	Working	61440	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	To deliver the learning aspects of the electrical transmission line

159	3MHz Microcontroller Based Function Pulse Generator with 40MHz Frequency Counter Model: Sciencetech 4061	09/07/1905	Sciencetech	Sciencetech 4061	40MHz Frequency Counter	30	Conduction of Lab experiment	Working	290280	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	A signal generator is one of a class of electronic devices that generates electrical signals with set properties of amplitude, frequency, and wave shape
160	50 MHz Bandwidth,2 Channel Digital storage Model: Sciencetech 401(Qty 30)	09/07/1905	Sciencetech	Sciencetech 401	50 MHz Bandwidth,2 Channel	30	Conduction of Lab experiment	Working	679680	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques
161	Amplitude Modulation & Demodulation Trainer Kit	11/07/1905	Sciencetech	Sciencetech 2170J	Study of amplitude modulation using transistORIZED circuit	2	Conduction of Lab experiment	Working	15930	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	Modulation is the process of varying one or more properties of a periodic waveform
162	Frequency Mod/Dmod Trainer	11/07/1905	Sciencetech	Sciencetech 2170K	Study of frequency modulation using voltage controlled oscillator	2	Conduction of Lab experiment	Working	15930	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	In FM, the Frequency (signal strength) of the carrier wave is varied in proportion to the waveform being transmitted
163	Pre-Emphasis De-Emphasis Trainer	11/07/1905	Sciencetech	Sciencetech AB103	Pre-emphasis and De-emphasis circuit with power supply	2	Conduction of Lab experiment	Working	10620	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	Pre-emphasis works by boosting the high-frequency portion of the signal
164	DSB/SSB AM Transmitter Trainer Model: Sciencetech 2201	11/07/1905	Sciencetech	Sciencetech 2201	Onboard audio oscillator ,455KHz,1Mhz carrier,Transmitting antenna and speaker	2	Conduction of Lab experiment	Working	22125	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	AM Transmitter is a comprehensive learning solution specifically designed to study basic operation
165	DSB/SSB AM ReceiverTrainer Model: Sciencetech 2201	11/07/1905	Sciencetech	Sciencetech 2202	Onboard local oscillator ,RF ,IF Amplifier,Detectors,Receiving Antenna	2	Conduction of Lab experiment	Working	22125	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	DSB/SSB AM Receiver is a comprehensive learning solution specifically designed to study basic operation
166	Frequency Division Multiplexer/ Demultiplexer	11/07/1905	Sciencetech	Sciencetech 2211	sine and audio input DSB SC modulation and study of Fourier transform of DSB modulation	2	Conduction of Lab experiment	Working	24780	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	In telecommunications, frequency-division multiplexing (FDM) is a technique by which the total bandwidth available in a communication medium is divided into a series of non-overlapping frequency bands
167	PAM/PWM/PPM Mod/Demod Kit	11/07/1905	Sciencetech	Sciencetech 2110	Pre-emphasis and De-emphasis circuit with power supply	3	Conduction of Lab experiment	Working	33851.3	Analog Communication	F-BLOCK-FFR1		ECE	Mrs.Ashwini	It is used to compress data and hence it is used for storage

168	Sampling & Reconstruction Trainer Model: Sciencetech 2151	11/07/1905	Sciencetech	Sciencetech 2151	Crystal controlled pulse generator	3	Conduction of Lab experiment	Working	31860	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	A continuous time signal can be processed by processing its samples through a discrete time system
169	Time Division Multiplexing & Demultiplexing Kit	11/07/1905	Sciencetech	Sciencetech 2152	sine and audio input DSB SC modulation and study of Fourier transform of DSB modulation	2	Conduction of Lab experiment	Working	23452.5	Analog Communication	F-BLOCK-FFR1	F	ECE	Mrs.Ashwini	Pulse-amplitude modulation (PAM) is a form of signal modulation
170	Dell optiplex 5060 MT Desktop Inte core	11/07/1905	Dell	optiplex 5060	I3 ,4GB,64BIT	1	Department work	Working	88500	DEPARTMENT	F-Block 2nd floor HOD	F	ECE	Sushma	OptiPlex 5060 delivers full-power features in a smart design that performs in any environment
171	Analog Signal Sampling & Reconstruction Unit	10/07/1905	UDAY	NA	Analog Signal Sampling	10	To conduct Lab experiment	Working	190570	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	This is an intuitive statement of the Nyquist-Shannon sampling theorem
172	TDM Modulation & Demodulation Unit	10/07/1905	UDAY	NA	4 channel on board Sine wave - 250Hz,500Hz,1KHz,2KHz TDM,Sampling rate 32KHz	10	Measurement of parameters	Working	158061	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	Time-division multiplexing (TDM) is a method of putting multiple data streams in a single signal by separating the signal into many segment
173	PCM Modulation & Demodulation Unit	10/07/1905	UDAY	NA	PCM system are sampling,quantizing and encoding	10	Measurement of message signal in different modulation technics	Working	241015	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	The most important feature of PCM system lies in the ability to control the effects of distortion and noise produced by transmitting a PCM signal
174	ASK,FSK Modulation & Demodulation Unit	10/07/1905	UDAY	NA	Internal frequency 2KHz, 5V P-P,Internal frequency duty ratio 2KHz,4KHz,8KHz,16KHz,32KHz	10	Measurement of message signal in different modulation technics	Working	173755	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	ASK refers to a type of amplitude modulation that assigns bit values to discrete amplitude levels
175	PSK ,DPSK Modulation & Demodulation Unit	10/07/1905	UDAY	NA	On board Function Generator,Signal Reconstruction units	10	Measurement of message signal in different modulation technics	Working	173755	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	phase modulation that conveys data by changing the phase of the carrier wave
176	QPSK Modulation & Demodulation Unit	10/07/1905	UDAY	NA	A QPSK modulator modulates an input signals by 0°, 90°, 180°, and 270° phase shifts.	10	Measurement of message signal in different modulation technics	Working	218595	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	Quadrature Phase Shift Keying (QPSK) is a form of phase modulation technique, in which two information bits (combined as one symbol) are modulated at once, selecting one of the four possible carrier phase shift states
177	Delta Modulation & Demodulation Unit	10/07/1905	UDAY	NA	Linear & Adaptive With Channel Simulator	10	Measurement of message signal in different modulation technics	Working	191691	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	It is a technique where analog-to-digital and digital-to-analog signal conversion are seen

178	Micro Trainer (Micro Wave Integrated Circuit)	10/07/1905	Techni Lab Instruments	NA	frequency range 2-3Ghz power >5DBM, backlit LCD display. All components designed for 2.5GHz +/-0.2GHz	5	Study of waveguide	Working	733975	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	The Microtraining method is an approach aimed at supporting informal learning processes in organizations and companies
179	Advanced Bench Audio Transmitter	10/07/1905	Techni Lab Instruments	NA	klystron power supply, klystron mounted top, variable attenuator, frequency meter, slotted set.,yagiantenna,patchantenna,hornantenna,dipole antenna	3	Using different Antennas	Working	369930	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	Using different Antennas
180	Digital Storage Oscilloscope-50Mhz	10/07/1905	GW INSTEK	GDsS-1054B	50 MHz DSO with 4 channel.	2	Measure output parameters	Working	135977	Digital Communication	F-BLOCK-FFR1	F	ECE	Dr.Sreenivasappa B V	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques
181	89C51ED2 Embedded Evaluation Board With on Board Interfaces 1.ALS-EMB-EVAL-03 89c51ED2	10/07/1905	ALS	EMB-EVAL-03 89c51ED2	Embedded Evaluation Board Power Supply(5V,1.5A, +.0012v,100ma	35	Interface Microcontroller Applications	Working	495129	Micro Controller Applications	D-BLOCK-DGL2	D	ECE	Mrs.Anupama Sindgi	Evaluation Board is a comprehensive aid to understand the capabilities of an advanced micro controller like 8051 compatible Atmel 89C51ED2.
182	Nexys 4DDR Artix-7 FPGA	11/07/1905	Artix-7	4DDR	FPGA	30	Hardware interface to PC	Working	885000	VLSI Design	D-BLOCK-DGL3	D	ECE	Dr.Bhanurekha	
183	HP LJ 1136 MFP Printer, CNJKM 5BB96	11/07/1905				1	Printing	Working	13688	VLSI Design	D-BLOCK-DGL3	D	ECE	Dr.Bhanurekha	Printing
184	FLUKE 43411 FLUKE Power Quality and energy Analyzer	10/07/1905	FLUKE	FLUKE 43411		1	Research and Development	Working	413000	R&D	S-BLOCK,PE Research Lab	S	ECE	Dr.Sreenivasappa B V	Power Quality and Energy Analyzer enable you to identify issues and measure energy loss
185	Dell Optiplax 5060 mt Desktop,	11/07/1905	Dell	5060	Intel Core 178700 (6 Cores/12MB/112T/upto 4.6 GHz/65W), 16GB X 28GB DDR4 2666MHz UDIMM Non ECC/2.5 1TB (7200) RPM Serial ATA Hard Drive	1	Research and Development	Working	88500	R&D	S-BLOCK,PE Research Lab	S	ECE	Dr.Sreenivasappa B V	Fully featured tower and small form factor desktops

186	Cotroller Board PCIe version MPC8240	11/07/1905	Microtec	MPC8240	ACE 1104PCIE_CLP_USB Advanced Control Education ACE1104PCie Version a.DS1104 R&D Cotroller Board PCIe version MPC8240, Power PC 603e core, 250MHz with 32 MB RAM b.CLP1104-Connector and LED Panel for DS1104 a.CDP 1104 with USB dongle b.Microtec Power PC cross Compiler S N :512383 . 833416 C M S N 3-4490384	1	Research and Development	Working	607700	R&D	S-BLOCK PE Research Lab	S	ECE	Dr.Sreenivasa B V	This device provides a high level of integration, reducing chip count from five discrete chips to one
187	IOT Enabled ARM Cortex M4 - TM4C129X	11/07/1905	Texas Instruments	TM4C129X	MicroSD slot,USB 2.0 OTG Host Device port,Quad SSI-supported 512-Mbit Flash memory	5	Developing different Applications	Working	118000	Embedded Systems Design	F-BLOCK FFR2	F	ECE	Mr. Syed Abrar	Texas Instruments IoT Enabled ARM Cortex M4F MCU TM4C129X Connected Development Kit
188	Sensor Hub Booster Pack	11/07/1905			Communications adapters/concentrators	5	External parts to do interface	Working	35400		F-BLOCK FFR2	F	ECE	Mr. Syed Abrar	Communications adapters/concentrators
189	Sensor & Accessories	11/07/1905				5	External parts to do interface	Working	23600		F-BLOCK FFR2		ECE	Mr. Syed Abrar	wide range of mounting accessories
190	PYNQZ2 with accessories	14/07/1905	TUL CORPORATION	IMI-M000127DVA	Dual-Core ARM Cortex-A9, Micro SD card slot, USB Host connected to ARM PS	5	To conduct Lab experiments	Working	147500	Hardware Software Codesign	F-BLOCK FFR2	F	ECE	Mr Kiran Dhanaji Kale	PYNQ-Z2 is a FPGA development board based
191	UV-Vis spectroscopy (PC-based double beam spectrophotometer)	2020	Systronics 927	2202	Range: 200-1100 nm Dimension: 520 (W) X 500 (D) X 190 (H) mm, Tungstan lamp - 320-1100 nm; Deuterium lamp with quartz window - 200 - 340 nm	1	Research and Lab experiments	Working	3.2 Lakhs	Chemistry Lab	N-block-first floor	N-blc	Chemistry	Dr. Dileep R	To find the UV active compounds and find the absorption peaks
192	Hot-Air oven	2016	Heat & Control system	NA	Upto 200 deg C.	1	Lab experiments	Working	35500	Chemistry Lab	N-block-first floor	N-blc	Chemistry	Mrs. Pavithra BN	To dry the samples and the glasswares.
193	Autoclave	2016	Heat & Control system	NA	Type: Verticle, Capacity -20L , Made with stainless steel with safety valve	2	Research and Lab experiments	Working	37600 (1-unit)	Chemistry Lab	N-block-first floor	N-blc	Chemistry	Mrs. Pavithra BN	To decontaminate certain biological waste and sterilize media, instruments and lab ware. Also to conduct the reactions with bulk quantity.
194	Fuming Hood	2019	XGEN labs	NA	Standard external width Dimension: 1.2 m (4'), 1.5 m (5'), 1.8 m (6'), 2.1 m (7') Two external depth dimension: 920 mm & 1020 mm	1	Research and Lab experiments	Working	1.1 Lakhs	Chemistry Lab	N-block-first floor	N-blc	Chemistry	Mrs. Pavithra BN	To conduct the chemical reactions and to control the acid fumes and other gaseous waste.
195	Water bath	2021	Rajlaxmi	NA	Temperature upto 110 deg C, 20 L capacity	1	Research and Lab experiments	Working	35000	Chemistry Lab	N-block-first floor	N-blc	Chemistry	Mrs. Pavithra BN	To conduct the chemical reactions at various temperature

REGISTRAR



196	Water distillation Unit	2020	Equatron	7655 M	Capacity 4L, 3000 W, 230 V, 50	2	Lab experiments	Working	70000	Chemistry Lab	N-block-first floor	N-bl	Chemistry	Mrs. Pavithra BN	To purify the water
197	Magnetic stirrer with heating	2016	Remi	2MLH	Temperature upto 100 deg C, RPM = 2000	4	Lab experiments	Working	12500 (1-unit)	Chemistry Lab	N-block-first floor	N-bl	Chemistry	Mrs. Pavithra BN	To stirrer the reaction mixture with optimum temperature and RPM
198	Centrifuge machine	2016	Laby	T-4M	8 sample holders, RPM = 4500 with timer	1	Research and Lab experiments	Working	17850	Chemistry Lab	N-block-first floor	N-bl	Chemistry	Mrs. Pavithra BN	To purify the compounds and separate out the solid particles
199	BOD incubator	2016	Heat & Control system	NA	Shifted from Biology department	1	Research and Lab experiments	Working	91500	Materials Research center	D-block-first floor	D-bl	Chemistry		To determine the levels of organic matter and nitrogen in waste water samples.
200	Muffle furnace	2018	Heat & Control system	NA	Temperature = 1000 deg C	1	Research and Lab experiments	Working	1 Lakh	Materials Research center	D-block-first floor	N-bl	Chemistry		To calcinate the materials and conduct the high temperature reactions
201	Analytical balance	2016	Wensar	MAB2 20	Max 220g; d =0.1 mg	1	Lab experiments	Working	15000	Chemistry Lab	N-block-first floor	N-bl	Chemistry	Mrs. Pavithra BN	To weigh the chemical compounds and samples
202	3D Printer and Application software	2022	EOS	SINTR ATEC (S1 PRO)	Sample size 9*9*9 CC	1	For conducting research and simple prototyping of products	Yes	Approxim	Resource Room - SOD	ES08	E Bl	Design	Mr. Naveen Kumar A	This Machine/technology deals with prototyping complex forms using materials like PLA etc.. The machine creates solid models By fusing PLA/material by Laser heat. This additive technology is the latest for Prototype model production, there by making obsolete the traditional line of product making. It is quick and accurate.
203	Tensile Strength Tester	2022	Vital Technologies	VT/F/10	upto 10 kg Force	1	For finding the tensile strength of cloth	Yes	1.5L	FD LAB		E Bl	Design	Mr Sandeep	This machine is used for tensile strength testing of cloth.
204	Laundrometer MS 550	2022	Vital Technologies	VT/F/4	8 samples at a time.	1	For testing wash fastness of fabrics	Yes	80k	FD LAB		E Bl	Design	Mr Sandeep	Tests the wash fastness of fabric samples while samples are prepared and immersed in water vats.
205	Button snap tester	2022	Vital Technologies	VT/F/9	Apparen buttons.7KG	1	To find the button strength while pulling.	Yes	85k	FD LAB		E Bl	Design	Mr Sandeep	Test the strength of button snapping test fixed on the cloth.
206	Pilling Tester	2022	Vital Technologies	VT/F/15	8 samples can be tested at a time	1	To find the Pilling tendency of the fabrics.	Yes	48k	FD LAB		E Bl	Design	Mr Sandeep	This is used for finding pilling nature of cloths.Has two boxes which can rotate.
207	FTIR Spectroscopy	2022	Bruker	Alpha - II	6000 to 500 cm-1 range	1	Sophisticated Instrumentation Facility	Yes-Goo	7570 EU	Physics lab	N Block Ground Floor	N	Physics	Dr.Mohan Kumar Naidu	Solid, Liquid, Film analysis
208	Electro Chemical Work Station	2022	CH Instruments	CHI608E	CV, Impedence 10 Microhz to 1	1	Sophisticated Instrumentation Facility	Yes-Goo	12275 \$	Physics lab	N Block Ground Floor	N	Physics	Dr.Mohan Kumar Naidu	liquids, powders

REGISTRAR

Registrar



209	Muffel Furnace	2019	Delta Power		1200 Degree	1	MRC	Yes-Good	150000	D-Block	D Block Second Floor	D	Physics	Dr.Mohan Kumar Naidu	Synthesis of samples
210	Ball Milling Technique	2019	Delta Power			1	MRC	Yes-Good	175000	D-Block	D Block Second Floor	D	Physics	Dr.Mohan Kumar Naidu	Synthesis of samples
211	Mitutoya Computerized CMM, Crysta Apex - S444	Nov-18	Mitutoyo	CRYSTA-Apex s544	Accuracy: 0.0001mm, Measuring range: 500mm × 400mm × 400mm, Maximum measuring speed: 8mm/s, Maximum measurable height: 545 mm, Maximum table loading: 180 Kg	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	2746000	Metrology and Mechanical Measurement	EF-05	E	MECH	Mr. Sandeep G M	
212	Tool Maker's microscope	Mar-19	Industrial Engineering Instruments	TM-505B	Microscope Head Maximum Height of Work Piece:115mm,Stage Measuring Range: 50 x 50mm,Table Size: 152 x 152, Usable area of stage glass: 96 x 96mm, Linear Measurement Method:Micrometer Heads included, Resolution:0.001mm,Mic head travel:0.001mm	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	166500	Metrology and Mechanical Measurement	EF-05	E	MECH	Mr. Sandeep G M	
213	Lathe Tool Dynamometer	Mar-19	IEICOS	621C	Range of force: 200KgF for each direction, Sensor type: Strain Gauge, Sensor Resistance: 350 ohms, Bridge Voltage: 5V DC Max, Accuracy: < ± 1% of full scale.	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	101730	Metrology and Mechanical Measurement	EF-05	E	MECH	Mr. Sandeep G M	
214	Drill Tool Dynamometer	Mar-19	IEICOS	601C	Range of force: 500KgF Thrust, 20KgF-m Torque, Directions of force measurement:Thrust andTorque, Sensor type: Strain Gauge, Sensor Resistance: 350 ohms, Bridge Voltage: 5V DC Max, Accuracy: < ± 1% of full scale.	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	74820	Metrology and Mechanical Measurement	EF-05	E	MECH	Mr. Sandeep G M	
215	Strain Gauge Cantilever Beam	Mar-19	IEICOS	ML-0	Measuring range: 1kg, Sensor type: Strain Gauge, Sensor Resistance: 350 ohms, Bridge Voltage: 5V DC Max, Accuracy: < ± 1% of full scale.	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	172500	Metrology and Mechanical Measurement	EF-05	E	MECH	Mr. Sandeep G M	
216	Load Cell Calibration Setup	Mar-19	IEICOS	LC-RTT-10	Measuring range: 10kg, Sensor type: Strain Gauge, Sensor Resistance: 350 ohms, Bridge Voltage: 5V DC Max, Accuracy: < ± 1% of full scale.	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	206900	Metrology and Mechanical Measurement	EF-05	E	MECH	Mr. Sandeep G M	


 REGISTRAR


217	Gauge Block Set	Nov-18	Mitutoyo	516 - 939Z-1	Grade 1 / 112 PCS	2	Lab. Teaching, Calss Demonstration, consultation and research work	Good	336000	Metrology and Mechanical Measurement	EF-05	E	MECH	Mr. Sandeep G M
218	Medium Duty All Geared Lathe	Dec-18	BMT	PRH 210	Max. Swing Over Bed: 430 mm, Max. Swing Over Carriage: 240 mm, Admit Between Center: 1000 mm, Width of Bed: 305 mm, Power required: 2 HP	9	Lab. Teaching and Calss Demonstration	Good	1944000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
219	Heavy Duty All Geared Lathe	Apr-17	BMT - DMT	CDL62 51	Max. Swing Over Bed: 510 mm, Max. Swing Over Carriage: 320 mm, Admit Between Center: 1500 mm, Width of Bed: 300 mm, Power required: 8 HP	2	Lab. Teaching, Calss Demonstration, consultation and research work	Good	1071000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
220	CNC Lathe	Jan-16	BMT - Siemens Control	CJK61 32/750 mm	Swing over bed: ϕ 320 mm, Swing over carriage: ϕ 130 mm, Distance between Centers: 750mm, Spindle Taper: MT 5, Spindle Bore: ϕ 38 mm, Range of Speed: 100 - 2500 rpm, Feed Motor Power (X/Z): 4 N.M, Tool Post: 4 Stations, 16X16 mm MAX., Motor Power: 3 KW	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	748000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
221	CNC Milling	Jan-16	BMT - Siemens Control	XK712 4A	Size of Worktable: 800X240 mm, X/Y/Z – Axis: 430 X 280 X 400, Max. loading Weight on Worktable: 60 Kg, Spindle Speed : 2500 RPM, Spindle Speed: BT 30	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	875000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
222	Hydraulic Surface Grinder	Apr-17	BMT	M7125 A+	Table Size: 500 X 250, Longitudinal Table Traverse: 520 mm, Crosswise Table Traverse: 275 mm, Safety Load of bench (max.): 100 kg, Grinding Wheel Size: 200X16X32, Spindle Speed: 2850 rpm, Power Required: 3 HP	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	481000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
223	Cylindrical Grinding machine	Apr-17	BMT	UC- 150	Distance Between Center: 160 mm, Height of Center : 102mm, Table Swivel Angle: \pm 9°, Grinding wheel Size: 250 X 25 X 76.2 mm, Speed: 2300 rpm, Power Required : 3 HP	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	202000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T


 REGISTRAR


224	Universal Milling Machine	Jan-16	BMT	SM-1H	Surface of Table: 1050 X 250 mm, Swivel either side of Table: 45°, Cross Traverse: 175 MM, Vertical Traverse: 175MM, Longitudinal Traverse: 525MM, No. of Spindle Speed: No. of Spindle Speed, Range of Spindle Speed: 40 - 700 RPM, Main Motor Power: 2 HP	1	Lab. Teaching and Calss Demonstration	Good	288000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
225	Radial Drilling Machine	Jan-16	BMT	BR-25	Drilling Capacity: 25 mm, Spindle Nose: MT-3, Spindle Travel: 200 mm, No. of Spindle Speed : 8, Spindle Range: 110 – 2880 RPM, Power Required : 1.5 HP	1	Lab. Teaching and Calss Demonstration	Good	83500	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
226	Drilling & Milling Machine	Apr-17	BMT	ZAY70 45FG	Drilling/Face Milling/End Milling Capacity: ø45 MM/ ø80 MM/ø32 MM, Range of Spindle Speed: 80 - 1250 RPM, Table Size: 800 X 240 MM, Swivel Angleof Head Stock Vertically: 90°	2	Lab. Teaching and Calss Demonstration	Good	175000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
227	Drilling & Milling Machine	Apr-17	BMT	ZAY70 45FG1	Drilling/Face Milling/End Milling Capacity: ø45 MM/ ø80 MM/ø32 MM, Range of Spindle Speed: 80 - 1250 RPM, Table Size: 800 X 240 MM, Swivel Angleof Head Stock Vertically: ±90°		Lab. Teaching and Calss Demonstration	Good	212000		EG-04	E	MECH	Mr. Aravinda T
228	Horizontal Metal cutting Bandsaw	Apr-17	BMT	BMB - 2HS	Drive Motor: 2 HP / 1000 rpm, Coolant pump: 0.15 HP/ 440 rpm, Cutting Capacity: Round & Square - 300 mm	1	Lab. Teaching and Calss Demonstration	Good	88000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
229	"C" Type Power Press	Apr-17	BMT	BCP- 30	Capacity in Tons : 30 MT, Motor Power: 5 HP, Bed Size: 585 X 355, Dist. Between Bed to Ram : 292 mm	1	Lab. Teaching and Calss Demonstration	Good	218000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
230	Linear Height - 2D	Apr-17	Mitutoyo	LH600 -EG	Measuring Range : 0-38in, 0-972mm, Accuracy Level: 0.0001 µm	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	566000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
231	Profile Projector with DRO	Apr-17	OMEGA	VL 360	Magnification Range: 20X, Focus Range : 100mm, Measuring Accuracy: 0.001 for Liner & Aligned, Seconds for Angular	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	514000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T
232	Surface Finish Tester	Apr-17	Mitutoyo	SJ -210	Measuring range:16 mm, 4.8 mm [S-type], Traverse: 17.5 mm, 5.6 mm [S-type], Parameters: Ra, Rc, Ry, Rz, Rq, Rt,etc..	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	142000	Machine Shop	EG-04	E	MECH	Mr. Aravinda T


 REGISTRAR



233	Computer based multi cylinder 4 stroke petrol engine test rig	Jun-16	Tech Ed-Equipment Company	2016	Make: Maruti Eeco, BHP: 73 BHP, Speed: 2000rpm, No. of Cylinders: 4, Compression Ratio: 8.8:1, Bore : 68.5mm, Stroke : 72mm	1	Lab. Teaching and Calss Demonstration	Good	795600	1 st Block - Ground Floor, Energy Conversion Engineerin	FGL02	F	MECH	Mr. Narendra Singh
234	Computer based single cylinder 4-stroke petrol engine test rig	Jun-16	Tech Ed-Equipment Company	MK25	Make: Greaves, BHP: 3HP, Speed: 3000rpm, Compression Ratio: 4.67:1, Bore: 70mm, Stroke:66.7mm	1	Lab. Teaching and Calss Demonstration	Good		1 st Block - Ground Floor, Energy Conversion Engineerin	FGL02	F	MECH	Mr. Narendra Singh
235	Variable compression diesel engine test rig	Jan-17	Tech Ed-Equipment Company	2017	Make: Kirloskar, BHP: 5 BHP, Speed: 1500 rpm, No. of Cylinders: 1, Compression Ratio: 12:1 to 20 :1, Bore : 80mm, Stroke : 110mm	1	Lab. Teaching and Calss Demonstration	Good	270000	1 st Block - Ground Floor, Energy Conversion Engineerin	FGL02	F	MECH	Mr. Narendra Singh
236	Multi cylinder diesel engine test rig with hydraulic dynamometer	Mar-17	Tech Ed-Equipment Company	2017	Make: hindustan Motors, BHP: 6 PS @ 4500 rpm, Speed: 2500rpm, No. of Cylinders: 4, Compression Ratio: 21:1, Bore : 84 mm, Stroke : 90mm	1	Lab. Teaching and Calss Demonstration	Good	441000	1 st Block - Ground Floor, Energy Conversion Engineerin	FGL02	F	MECH	Mr. Narendra Singh
237	Wind tunnel test rig- computer control	Oct-16	K. C. Engineers	KCFM-203/PS a/CC	3 HP Fan with 1500 rpm, transparent Profile Display with Computer Data Log Facility	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	799024	Fluid Mechnaics and Machinery		E	MECH	Mr. Prashanth
238	Centrifugal pump- computer control	Oct-16	K. C. Engineers	KCFM-301B/CC	Stainless Steel Water Storage Tank, 220V, 2800 RPM , 1 HP, 8 -12 Meter Head Range Motor, Electric to Pnumatic Transducer for Flow Control with Computer Data Log Facility	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	478224	Fluid Mechnaics and Machinery		E	MECH	Mr. Prashanth
239	Reciprocating pump-computer control	Oct-16	K. C. Engineers	KCFM-302B/CC	Stainless Steel Water Storage Tank,220V, 1500 RPM , 1 HP, Electric to Pnumatic Transducer for Flow Control, with Computer Data Log Facility	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	472624	Fluid Mechnaics and Machinery		E	MECH	Mr. Prashanth
240	Pelton turbine - computer control	Oct-16	K. C. Engineers	KCFM-307B/CC	5 HP motor with Huge Stainless Steel Water tank with closed loop water Connection, 1500 - 5000 rpm, 3.75 KW Eddy current dynamometer with Computer Data Log Facility	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	629424	Fluid Mechnaics and Machinery		E	MECH	Mr. Prashanth

241	Francis turbine - computer control	Oct-16	K. C. Engineers	KCFM-308Bd/DL	5 HP motor with Huge Stainless Steel Water tank with closed loop water Connection, 1500 - 5000 rpm, 3.75 KW Eddy current dynamometer with Computer Data Log Facility	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	507824	Fluid Mechnaics and Machinery		E	MECH	Mr. Prashanth
242	Kaplan turbine - computer control	Oct-16	K. C. Engineers	KCFM-309B	7.5 HP motor with Huge Stainless Steel Water tank with closed loop water Connection, Rope dynamometer with Computer Data Log Facility	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	345424	Fluid Mechnaics and Machinery		E	MECH	Mr. Prashanth
243	TIG Welding Machine	Nov-18	weldskill	200HF	200 A, 207-253 V, 50-60 Hz	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	28500	Foundry, Forging and Welding		WS	MECH	
244	MIG Welding Machine	Nov-18	Esab	MIGMATIC 250	40-250 A, 50 Hz, 16-34 V DC	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	90000	Foundry, Forging and Welding		WS	MECH	
245	Spot Welding Machine	Apr-17	BMT	8KVA	Range 15 - 38 SWG	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	42500	Foundry, Forging and Welding		WS	MECH	
246	Universal sand testing machine	Sep-17	Kellson Testing Equipment	478	Digital, 5 kg Capacity, Power Required : 0.25 HP, Tensile Strength, Compresion Strength and Shear Strength Could be analysed	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	70800	Foundry, Forging and Welding		WS	MECH	
247	LPG Furnace	Sep-17	S S Enterprises		29" X 29" X 26"	1	Lab. Teaching, Calss Demonstration, consultation and research work	Good	108000	Foundry, Forging and Welding		WS	MECH	
248	Computerized Parallel flow and Counter flow heat transfer	Mar-17	K. C. Engineers	KCHT-121/C	Inner Diameter: 0.0095m, Outer Diameter: 0.0127m, Length of Tube: 1.6m	1	Lab. Teaching and Calss Demonstration	Good	273424	Heat and Mass Transfer		F	MECH	Mr. Basavaraj Devakki
249	Computerized Hear transfer through composite walls	Mar-17	K. C. Engineers	KCHT-101/C	Cast iron Thickness: 0.02m, Baklite Thickness: 0.015m, Diameter of Slab: 0.25m, Presswood Thickness: 0.012m	1	Lab. Teaching and Calss Demonstration	Good	294224	Heat and Mass Transfer		F	MECH	Mr. Basavaraj Devakki
250	Computerized heat transfer through lagged pipe	Mar-17	K. C. Engineers	KCHT-102/C	Inner Pipe Radius: 0.025m, Middle Pipe Radius: 0.05, Outer Pipe Radius: 0.075m, Length: 0.6m with asbestos and saw dust insulation	1	Lab. Teaching and Calss Demonstration	Good	260215	Heat and Mass Transfer		F	MECH	Mr. Basavaraj Devakki
251	Computer controlled heat pipe demonstrator	Mar-17	K. C. Engineers	KCHT-103/C	11 heat sensors placed in three different pipes controlled by computer	1	Lab. Teaching and Calss Demonstration	Good	305424	Heat and Mass Transfer		F	MECH	Mr. Basavaraj Devakki
252	Computer controlled Stefan Boltzmann apparatus	Mar-17	K. C. Engineers	KCHT-182/C	Mass of Disc : 0.007 kg, Dia of Disc: 0.02m, Specific Heat of the Disc Material: 418 J/Kg°C	1	Lab. Teaching and Calss Demonstration	Good	207824	Heat and Mass Transfer		F	MECH	Mr. Basavaraj Devakki

REGISTRAR



253	Computer controlled dropwise and film wise condensation apparatus	Mar-17	K. C. Engineers	KCHT-151/C C	Outer Diameter of Tube: 0.019m, Inner Diameter of Tube: 0.016m, Length of Tube: 0.175m	2	Lab. Teaching and Calss Demonstration	Good	347824	Heat and Mass Transfer		F	MECH	Mr. Basavaraj Devakki
254	Computer controlled thermal conductivity of liquids	Mar-17	K. C. Engineers	KCHT-143/C C	Thickness of Liquid Used: 0.009m, Dia of Plate: 0.165m with Energy Meter Constant	1	Lab. Teaching and Calss Demonstration	Good	310224	Heat and Mass Transfer		F	MECH	Mr. Basavaraj Devakki
255	Computer controlled shell and tube heat exchanger	Mar-17	K. C. Engineers	KCHT-122/C C	Inner diameter of Tube: 0.0095m, Outer Diameter of Tube: 0.016m, Length of Tube : 0.5m, Number of Tubes : 24	1	Lab. Teaching and Calss Demonstration	Good	313424	Heat and Mass Transfer		F	MECH	Mr. Basavaraj Devakki
256	Advance basic pneumatic trainer kit along with workbench	Oct-17	JANATIC S	JTK7-2/E201	Direct Autuation of Solenoid/ Use relay for solenoid Actuation - Single/Double Acting Cylinder with Single Solenoid Valve, Direct Autuation of Solenoid/ Use relay for solenoid Actuation - AND/OR Logic using two manual controls with relay for forward stroke of double acting Cylinder, Operatioons of double acting Cylinder with Single /Double Solenoid valve, electroneumatically controlled Sequeence of motion	1	Lab. Teaching and Calss Demonstration	Good	146063	Mechatroni cs	EF-04	E	MECH	Dr. Arpitha G R
257	Advance electro pneumatic trainer kit along with workbench	Oct-17	JANATIC S	JTK8-2/E202	Use of ON/OFF delay timer for solienoid actuation in Single/Double acting cylinder, Use of Capactcive Sensor, inductiv sensor, Pressure sensor, etc..	1	Lab. Teaching and Calss Demonstration	Good	275798	Mechatroni cs	EF-04	E	MECH	Dr. Arpitha G R
258	Advance electro pneumatic trainer kit along with PLC	Oct-17	JANATIC S	JTK9-2/E301	Operation of SAC & DAC, Multicycle Operation of SAC & DAC, Operation of two cylinders in Sequence, Multicylce Operation of 3 cylinders in sequence	1	Lab. Teaching and Calss Demonstration	Good	403000	Mechatroni cs		E		
259	Mircrocontroller kit with stepper motor & driver circuit	Mar-18	Chipmax	8051	Microcontroller : 8 Bit, Main Processor: P89V51RD2 Flash Based Controller from NXP, Regulated Voltage: 5 VDC, 5DC	1	Lab. Teaching and Calss Demonstration	Good	743494	Mechatroni cs	EF-04	E	MECH	Dr. Arpitha G R
260	Basic Hydraulic trainer kit with power pack	Mar-18	JANATIC S		The Hydraulic Trainer Kitis designedwith capability to demonstrate the design, construction and application of hydraulic components and circuits like different types valves, cylinders, etc..	1	Lab. Teaching and Calss Demonstration	Good	428000	Mechatroni cs	EF-04	E	MECH	Dr. Arpitha G R
261	LABVIEW software	Jul-17	National Instrument s		Modelling & Analyzing of basic hydraulic and pneumatic system	1	Lab. Teaching and Calss Demonstration	Good	431200	Mechatroni cs	EF-04	E	MECH	Dr. Arpitha G R


 REGISTRAR


262	pH Electrode and ATC probe pH buffer solution.	2017	ACRON	Portable	Temperature Upto 100°C	1	To find pH value of Mud sample.	Not Working	56051.8	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	Servicing and Calibration required
263	2 Speed Hand Crank Viscometer	2017	OFITE	2 Speed		1	To find the Viscosity of fluid sample	Working	283956	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
264	Hamilton Beach Mixer	2017	Hamilton		Single Spindle, 3 Speed with Container, 230V	1	To Prepare Mud Sample by Mixing	Working	50637.9	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
265	Centrifuge	2017	Robinson Manufacturing Co. Inc.		4 place pear jar of 100ml capacity. 230V	1	To Prepare Mud Sample by Mixing	Working	295415	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
266	Digital Resistivity Meter with Case	2017	OFITE		Cell Length :3.4" (86.4mm), Resistivity Range 0.01-400 ohm meter Temperature	1	To find Resistivity of Drilling Fluid	Not Working	216092	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	Servicing and Calibration required
267	Basic Test Kit Consisting of Marsh Funnel, Mud Balance, Measure Cup, pH Strips, Dig Stop Watch, sand Content Kit	2017	OFITE		Marsh Funnel :1500 cm3	1 each	To Test Viscosity and Density of Mud sample	Working	46022.9	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
268	Hydrometer set with carrying case	2017			Set of 8, Range from 0.81 to 2.00 g/cc	1 set	To find the Specific gravity of liquids.	Working	51028.2	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
269	Sherometer Kit	2017	OFITE		3 to 60 lbs/100 Sq ft	1	To find Gel Strength of Mud Samples	Working	61272.6	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
270	Electronic Balance	2017	Ohaus Scout Pro	SP 601	Upto 600 Grams	1	For Measuring Weight	Working	89151.9	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
271	Viscometer with carrying case	2017	OFITE	OFITE 900	5A, 230V	1	To find the Viscosity of fluid sample	Not Working	527948	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
272	Digital Thermometer	2017	OFITE		8" Stem, 58-320 *F	1	To check Temperature	Working	5760.01	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
273	Differential Sticking Tester	2018	Fann Instruments			1	To find Sticking Coefficient	Not Working	1075919	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	Servicing and Calibration required
274	API Filter Press	2018	Fann Instruments	LPLT	Working Pressure :100psi (690k pa), Filtering area 7.1 in2 (45.8cm)	1	To find thickness of Mud cake & Filtrate loss of fluid sample	Working	119841	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	

REGISTRAR



275	Methylene Blue Test Kit	2018	Fann Instruments			1	To find reactive clay content of fluid sample	Working	172180	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
276	API Filter Press	2018	Fann Instruments	HPHT	Working Pressure : 1800psi (12.4Mpa), Max Temp. 350°F (177*c), Heating Cap.400 watts		To find thickness of Mud cake & Filtrate loss of fluid sample	Working	514671	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
277	EP Lubricity Tester	2018	Fann Instruments		1000 RPM, 50 Torque. 5A, 115 VAC	1	To find Lubricity of fluid sample	Working	1859467	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
278	Loss Circulation Evaluation Material LCM Tester	2018	Petropath Drilling Fluids Co. Ltd			1	To find Filtrate loss of the Mud	Working	802199	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
279	Stepdown Transformer	2018			220V to 110V, Auto wound 50/60Hz	1	For reducing the Voltage to 110V	Working	23600	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
280	Remi Stirrer	2018		RQ-121/D	Stirring Capacity 10L	2	For Stirring/ Mixing of Mud sample	Working	16520	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
281	Consistometer Atmospheric	2020	OFITE	60-120		1	To find Compressive Strength of Cement.	Working	1223519	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
282	Constanat Speed Blender	2020	OFITE	120-60	1 Litre	1	To Prepare Cement Sample by Mixing	Working	775266	Drilling Fluids and Cements (DFC) Lab	FS 06	F	PET	Mr. Bhairab Jyoti Gogoi	
283	Soxhlet Extraction Apparatus	2018	Midway Services	MS 9101		1	For Cleaning Core Samples	Working	16815	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
284	Liquid Permeameter	2018	Core Test System Incorporated		Core Pressure : 100 psi, Confining Pressure 500 psi	1	To find Liquid Permeability of Core samples	Not Working	5158534	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
285	Tensiometer	2018		JYW 200B		1	To find Surface Tension and Interfacial Tension	Working	1803129	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
286	Capillary Pressure System	2018	Core Test System Incorporated	TGC764	200 psi	1	To find Capillary Pressure of fluid flow	Not Working	1799450	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	Awaiting Installation and Demonstration from Vendors side
287	Gas Permeameter	2018	Core Test System Incorporated	TKA-209	Core Pressure : 60 psi, Confining Pressure 500 psi	1	To find Gas Permeability of Core samples	Not Working	2116729	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	Awaiting Installation and Demonstration from Vendors side

288	Helium Porosimeter	2018	Core Test System Incorporated	TPI-219	Inlet Pressure : 3000 psi Outlet Pressure : 100 psi	1	To find the Pore Volume in Core sample	Not Working	1657291	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	Awaiting Installation and Demonstration from Vendors side
289	Dean and Stark Apparatus	2018	Midway Services	MS 9100		1	To find Water content in Core sample.	Working	12261.3	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
290	Vernier Calipers	2018			8" , 0-200mm	3	To Measure the Dimensions	Working	15522.9	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
291	U Tube Viscometer	2019	GON Engineering Works		10 Litre capacity	1	To find Viscosity of Fluid sample	Working	86625	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
292	Liquid Permeameter Apparatus	2019	GON Engineering Works		2 Atm	1	To find Liquid Permeability of Core samples	Working	438900	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
293	Gas Permeameter Apparatus	2019	GON Engineering Works		1 Atm	1	To find Gas Permeability of Core samples	Working	392700	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
294	Porosity by Saturation	2018				1	To find pore volume	Working	71610	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
295	BHP Chart Reading with Microscope	2019				1	To find Bottom hole pressure of Reservoir.	Working	138600	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
296	Pycnometer	2018				1	To find Density of Fluid sample	Working	2524.37	Reservoir Engineering (RE) Lab	FS 04	F	PET	Dr. Kalpajit Hazarika	
297	Abbe Refractometer	2017	Rajdhani Scientific Instruments Co.	RSR 02		1	To find Reactive index of given liwuud and to find Molar & Specific Refraction	Working	136134	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
298	Abel Flash Point Apparatus	2017	Rajdhani Scientific Instruments Co.			1	To find Flash and Fire Point of given oil.	Working	43206.9	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
299	Digital Saybolt Viscometer	2017	Rajdhani Scientific Instruments Co.			1	To find Kinematic and Dynamic Viscosity of sample of oil at different Temeratures	Working	74363.6	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
300	Engler Viscometer	2017	Shivaki			1	To find Kinematic and Dynamic Viscosity of sample of oil at different Temeratures	Working	33436.5	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
301	Penetrometer	2017	Aditya		0 - 400 mm	1	To find the Penetration depyh of given sample	Working	60793.6	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
302	Pensky Martins Flash Point	2017	Rajdhani Scientific Instruments Co.			1	To find Flash and Fire Point of given oil.	Working	60576.5	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	

303	Redwood Viscometer - 1	2017	Rajdhani Scientific Instruments Co.			1	To find Kinematic and Dynamic Viscosity of sample of oil at different Temperatures	Working	45595.2	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
304	Redwood Viscometer - 2	2017	Rajdhani Scientific Instruments Co.			1	To find Kinematic and Dynamic Viscosity of sample of oil at different Temperatures	Working	54062.9	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
305	Single Distillation Apparatus	2017				1	For Distillation of Oil sample.	Working	49937.6	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
306	Hydrometer set with carrying case	2017				1	To find the Specific gravity of liquids.	Working	4885.2	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
307	Junker Gas Calorimeter	2020			1 Litre	1		Working	88205	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
308	Magnetic Stirrer with Hot plate	2020	Petropath Drilling Fluids Co. Ltd			1	For Stirring/ Mixing of fluid sample	Working	9227.6	Petroleum Testing (PT) Lab	FS 05	F	PET	Ms. Jain Mariyate Wilson	
309	Calibration of Thermocouple	2017	Contech Micro Systems			1	To study Calibration of Thermocouples using Resistance Temperature Detector.	Working	34150.4	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	
310	Control Valve Characteristic	2017	Contech Micro Systems		Rotameter 100-1000 LPM, Compressor : ELGI, Work Pressure 10/ kg/cm2, capacit 45 l	1		Working	379960	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	With Valve plug equal % Rotameter with accessories E/P Converter with Ma Source
311	CharacteristicS OF PID Controller	2017	Contech Micro Systems		Rotameter 0-10 LPM, Motor 230V	1		Working	70564	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	Digital PID Controller along with milliamp Indicator
312	Flow Process Trainer PID Controller	2017	Contech Micro Systems		Rotameter 100-1000 LPM. Operating Pressure 10 kg/cmm2, Operating Temp.50*c	1		Needs Software Installation	338707	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	With Flow Sensor control valve Pneumatic type Air Compressor 1 HP
313	Interacting and Non Interacting system of Tanks	2017	Contech Micro Systems		Rotameter 40 LPM, Collecting Tank Area 0.600 m3	1	To study the Dynamics and Compare actual values with theoretical values for multiple step input.	Working	106926	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	
314	Level Control Trainer PID Controller	2017	Contech Micro Systems		Rotameter 100-1000 LPM, Compressor : ELGI, Work Pressure 10/ kg/cm2, capacit 45 l	1		Needs Software Installation	298540	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	
315	Two Tank Non Interacting System	2017	Contech Micro Systems		Rotameter 40 LPM, Collecting Tank Area 0.600 m3	1	To study the Dynamics and Compare actual values with theoretical values for step input.	Working	81254.4	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	

316	Pressure Control Trainer PID Controller	2017	Contech Micro Systems			1		Needs Software Installation	262715	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	With Level Sensor Control Valve Pneumatic type Medium Air
317	Single Tank System	2017	Contech Micro Systems		Rotameter 40 LPM, Collecting Tank Area 0.600 m3	1	To study the Dynamics and Compare actual values with theoretical values for step and impulse input	Working	65945.6	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	
318	Two Tank Interacting System	2017	Contech Micro Systems		Rotameter 40 LPM, Collecting Tank Area 0.394 m3	1	To study the Dynamics and Compare actual values with theoretical values for step input.	Working	82432	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	
319	Temperature Control Trainer PID	2017	Contech Micro Systems			1		Needs Software Installation	200836	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	With Hot water Geyser
320	Time Constant of Manometer	2017	Contech Micro Systems		Compressor : Max. pressure 150psi, 12-13.5 V. Manometer reading max 600mm	1	To study the step response of Mercury and Water Manometer	Working	82505.6	Process Control (PC) Lab	FS 03	F	PET	Dr. Sidharth Gautam	
321	Rock Specimens (Set of 27)	2018	Hindustan Minerals & Natural History Specimens Supply Co.			2	To study rock specimen	Working	#####	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul	
322	Minerals Specimen (Rock Forming Minerals, set of 21)	2018	Hindustan Minerals & Natural History Specimens Supply Co.			2	To study mineral specimen	Working	#####	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul	
323	Mineral Specimen (Ore Minerals, Set of 19)	2018	Hindustan Minerals & Natural History Specimens Supply Co.			2	To study mineral specimen	Working	#####	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul	
324	Clinometer compass brass body in a case	2018	Hindustan Minerals & Natural History Specimens Supply Co.			25	To measure attitude of planar and linear features	Working	#####	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul	

325	Diagonal scale	2018	Hindustan Minerals & Natural History Specimens Supply Co.		30	To use during geological field work	Working	472.50	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul
326	Geological Hammer All Steel with handle	2018	Hindustan Minerals & Natural History Specimens Supply Co.		4	To use during geological field work	Working	6136.00	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul
327	3D Geomorphological models	2018	Hindustan Minerals & Natural History Specimens Supply Co.		1	To visualize geological models	Working	5200.00	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul
328	Hardness Kit Box	2018	Hindustan Minerals & Natural History Specimens Supply Co.		25	To find the Hardness of the mineral specimen	Working	7080.00	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul
329	Moh's scale of hardness box	2018	Hindustan Minerals & Natural History Specimens Supply Co.		10	To display Moh's Scale of Hardness	Working	6608.00	Petroleum Geology (PG) Lab	FS 02	F	PET	Dr. Suman Paul


 REGISTRAR
