T.J.S ENGINEERING COLLEGE

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.
Accredited by NAAC / ISO 9001:2015 Certified Institution
TJS Nagar, Peruvoyal, Near Kavaraipettai, Gummidipoondi Taluk,
Thiruvallur District –601 206.
Ph: 044 27967600, E-mail: tjsivanandam@gmail.com, Web: www.tjsec.in
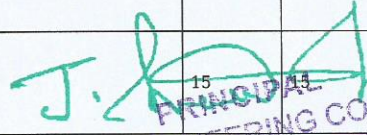
LIST OF LAB EQUIPMENTS

16(ii). Equipments

SL.No	Degree	Course	Semester	Regulation	Name of the Laboratory subject	Name of the Equipments / Software	Required	Available	Deficiency %
1	B.E.	General Engineering	1	2021	GE3171 PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	Server with Python (3 interpreter for Windows/Linux)	1	1	0
2	B.E.	General Engineering	1	2021	GE3171 PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	Stand alone desktops (Windows/Linux) with Python 3 interpreter	30	30	0
3	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Riser	5	5	0
4	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Riverting hammer	5	5	0
5	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Runner	5	5	0
6	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Sand reamer	5	5	0
7	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Scriber	5	5	0
8	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Single phase house wiring setup	2	2	0
9	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Soldering Iron, Lead	15	15	0
10	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Solid pattern	5	5	0
11	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Split pattern	5	5	0
12	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Sprue	5	5	0
13	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Square free hammer	5	5	0
14	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Staircase wiring setup	2	2	0
15	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Steel rule	2	2	0
16	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Straight snips	5	5	0
17	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Swage block	3	3	0
18	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Three phase house wiring setup	2	2	0
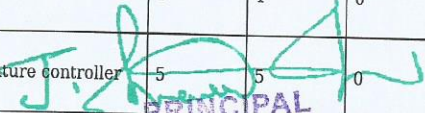
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19	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Trammel	5	5	0
20	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Transistors	200	200	0
21	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Tri Square	15	15	0
22	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Trowel	5	5	0
23	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used desktop computer	2	2	0
24	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used Laptop	2	2	0
25	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used LED TV	2	2	0
26	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wige gauges	2	2	0
27	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wood Cutting Machine	2	2	0
28	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wooden Bench Hook	15	15	0
29	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Air-conditioner unit	2	2	0
30	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Anvil	3	3	0
31	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Arc welding unit	5	5	0
32	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Ball pean hammer	5	5	0
33	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Bench hold fastens	15	15	0
34	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Bend snips	5	5	0
35	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Capacitors	200	200	0
36	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Carpentry bench wise	15	15	0
37	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Centre punches	5	5	0

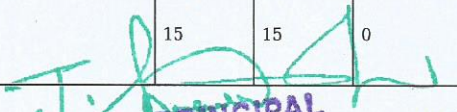| 38	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Centrifugal pump	2	2	0
39	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Continuity tester	15	15	0
40	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Cope and Drag Box	5	5	0
41	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	DC Multi-output power supply (0-5V),(0-30V)(+15V,-15V)	2	2	0
42	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Die Holder with Die set	15	15	0
43	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Diodes	200	200	0
44	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Divider	5	5	0
45	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Drilling Machines	5	5	0
46	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Emergency lamp wiring setup	2	2	0
47	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Emergency lamp wiring setup	2	2	0
48	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Firmer Chisel	15	15	0
49	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Fluorescent lamp wiring setup	2	2	0
50	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Gas welding unit	2	2	0
51	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Hand Saw	15	15	0
52	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Household mixer	2	2	0
53	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Iron box wiring setup	2	2	0
54	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Iron Jack	15	15	0
55	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Lathe Machines	5	5	0
56	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Mallet	15	15	0

57	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Motrin Chisel	15	15	0
58	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Multi meter	15	15	0
59	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pattern	5	5	0
60	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pipe Vice	15	15	0
61	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pliers	5	5	0
62	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Raising hammer	5	5	0
63	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Prick Punches	5	5	0
64	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Resistors	200	200	0
65	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Muffle furnace	1	1	0
66	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Circular Disc-Torsion Pendulum	5	5	0
67	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Conductivity meter	15	15	0
68	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Diode Laser	5	5	0
69	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Diode laser (green or red), fiber optic cable, movable arrangement with a screen for measuring spot size (zig), meter scale, stand	5	5	0
70	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Diode laser (green or red), iron stand, compact disc, 1m-wooden scale, screen, stand	5	5	0
71	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Electronic Balance (Four digit)	1	1	0
72	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Flame photometer	4	4	0
73	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	He-Ne/Diode laser (red), Green diode laser, Grating, Screen, Iron stand (3 Nos), 1m wooden scale, thread.	5	5	0
74	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	He-Ne laser, CCl4 liquid or Benzene liquid, Glass cell with sample liquid (kerosene/Toluene/Turpentine/Benzene or CCl4 liquid), RF oscillator fitted with a frequency meter, Piezoelectric crystal, Electrodes (crystal holder), Screen, iron stand (two numbers), 1m wooden scale, thread.	5	5	0
75	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Hot Air Oven	1	1	0
76	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Hotplate with temperature controller	5	5	0

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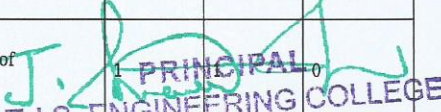| 77	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Lattice dynamics kit with built-in audio oscillator and electrical transmission line(for mono and di-atomic lattices), general purpose CRO having XY mode.	5	5	0
78	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Magnetic stirrer	2	2	0
79	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Melde's string apparatus, thread and weight pan, weight hanger and slotted weights.	5	5	0
80	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Michelson interferometer set-up, sodium vapour lamp and accessories	5	5	0
81	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Non-uniform bending: 1 meter wooden scale, two-knife edges, travelling microscope, weight hanger with slotted weights, screw gauge, Vernier calliper, pin	5	5	0
82	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	PH meter	15	15	0
83	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Photoelectric effect apparatus	2	2	0
84	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Photoelectric effect apparatus with necessary accessories, tungsten-halogen lamp, Cesium-type vacuum photodiode.	5	5	0
85	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Post office box, 5V power supply, thermometer, galvanometer, semiconductor (thermistor), variable temperature bath set-up (oil, temperature controller, vessel, hot plate.	5	5	0
86	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Potentiometer	15	15	0
87	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Simple harmonic oscillations of cantilever: 1 meter wooden scale, G-clamp, weight hanger with slotted weights, Vernier calliper, Screw gauge, stop clock	5	5	0
88	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Sodium Vapour Lamp	2	2	0
89	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Torsional Pendulum, stop clock, suspension metallic wire: two different thickness, two identical cylindrical mass, screw gauge, wooden scale	5	5	0
90	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Travelling Microscope	10	10	0
91	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Ultrasonic interferometer apparatus with high frequency wave generator, cell, micrometer, PZ crystal, water or other liquids	5	5	0
92	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Ultrasonic interometer	2	2	0
93	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Uniform bending: 1 meter wooden scale, two-knife edges, travelling microscope, two weight hanger with slotted weights, screw gauge, Vernier calliper, pin	5	5	0
94	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	45 inclined glass plate set-up, two optically plane glass plates, sodium vapour lamp, travelling microscope, thin wire/thin strip of paper	5	5	0
95	B.E.	Computer Science and Engineering	2	2021	CS3271 PROGRAMMING IN C LABORATORY	Systems with Linux Operating System with GNU compiler	30	30	0
96	B.E.	Mechanical Engineering	3	2021	ME3381 COMPUTER AIDED MACHINE DRAWING	Windows 11, Creo 9.0, Solid Works 2023, Autodesk Inventor 2023.1.1, Auto CAD 2023 (50 S7D Acad License)	30	30	0
97	B.E.	Mechanical Engineering	3	2021	ME3381 COMPUTER AIDED MACHINE DRAWING	Intel Octa core i9 processor (6 GHz, 16 GB Ram, 600 s8D HD- 50)	30	30	0

98	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Vertical Milling Machine	1	1	0
99	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Surface Grinding Machine	1	1	0
100	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Shaper	1	1	0
101	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Radial Drilling Machine	1	1	0
102	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Oxygen and Acetylene gas cylinders, blow pipe and other welding outfit	1	1	0
103	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Moulding table, Moulding equipments	2	2	0
104	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Milling Tool Dynamometer	1	1	0
105	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Lathe Tool Dynamometer	1	1	0
106	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Horizontal Milling Machine	1	1	0
107	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Gear Hobbing Machine	1	1	0
108	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Cylindrical Grinding Machine	1	1	0
109	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Centre Lathes	7	7	0
110	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Arc welding transformer with cables and holders	2	2	0
111	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Gear Shaping Machine	1	1	0
112	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Venturimeter setup	1	1	0
113	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Universal Tensile Testing machine with double 1 shear attachment – 40 Ton Capacity	1	1	0
114	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Torsion Testing Machine (60 NM Capacity) Capacity	1	1	0
115	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Tachometer	1	1	0
116	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Stop watch	15	15	0

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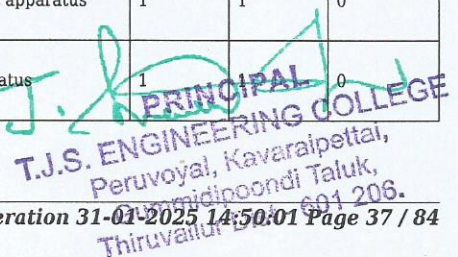| 117	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Spring Testing Machine for tensile and compressive loads (2500 N)	1	1	0
118	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Rockwell Hardness Testing Machine	1	1	0
119	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Reciprocation pump set up	1	1	0
120	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Pelton Wheel turbine set up	1	1	0
121	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Metal Scales	1	1	0
122	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Metallurgical Microscopes	3	3	0
123	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Metacentric Height apparatus setup	1	1	0
124	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	IM wooden seal	15	15	0
125	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Impact of jet setup	1	1	0
126	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Friction Apparatus setup	1	1	0
127	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Extensometer	1	1	0
128	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Dial gauges	1	1	0
129	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Centrifugal pump set up	1	1	0
130	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Brinell Hardness Testing Machine	1	1	0
131	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Vernier Calliper	1	1	0
132	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with mechanical loading	1	1	0
133	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with electrical loading	1	1	0
134	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with hydraulic loading	1	1	0
135	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Apparatus for Flash and Fire point	1	1	0
136	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Data Acquisition system with any one of the above engines	1	1	0

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137	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	I.C Engine – 2 stroke and 4 stroke model	1	1	0
138	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Multi-Cylinder Petrol Engine	1	1	0
139	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Single Cylinder Petrol Engine	1	1	0
140	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Steam Boiler with turbine setup	1	1	0
141	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Profile Projector / Tool Makers Microscope	1	1	0
142	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Dynamic balancing machine	1	1	0
143	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Cam follower setup	1	1	0
144	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Bore Gauge	1	1	0
145	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Autocollimator	1	1	0
146	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Kinematic Models to study various mechanisms	1	1	0
147	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Mechanical / Electrical / Pneumatic Comparator	1	1	0
148	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Micrometer	5	5	0
149	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Motorised gyroscope	1	1	0
150	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Sine Bar	1	1	0
151	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Slip Gauge Set	1	1	0
152	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Spring mass vibration system	1	1	0
153	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Surface finish Measuring Equipment	1	1	0
154	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Telescope Gauge	1	1	0
155	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Torsional Vibration of single rotor system setup	1	1	0
156	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Transverse vibration setup of a)cantilever	1	1	0
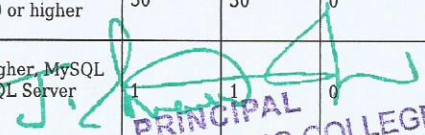
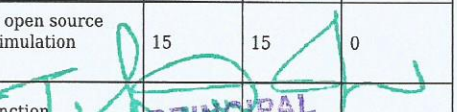| 157	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Turn table apparatus	1	1	0
158	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Two rotor vibration setup	1	1	0
159	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Vernier Caliper	5	5	0
160	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Vernier Depth Gauge	2	2	0
161	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Vernier Height Gauge	2	2	0
162	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Whirling of shaft apparatus	1	1	0
163	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Coordinator Measuring Machine	1	1	0
164	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Gear Tooth Vernier	1	1	0
165	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Govenor apparatus – Watt, Porter, Proell and Hartnell governors	1	1	0
166	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Gear Models	1	1	0
167	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Floating Carriage Micrometer	1	1	0
168	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	A3 size plotter	1	1	0
169	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CAM Software for machining centre and turning centre (CNC Programming and tool path simulation for FANUC / Sinumeric and Heidenhain controller)	15	15	0
170	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Any High end integrated modeling and manufacturing CAD / CAM software	15	15	0
171	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Support for CAPP	1	1	0
172	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Licensed operating system	1	1	0
173	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Laser Printer	1	1	0
174	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Computer Server	1	1	0
175	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Computer nodes or systems (High end CPU with atleast 1 GB main memory) networked to the server	30	30	0
176	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CNC Milling Machine	1	1	0
177	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CNC Lathe	1	1	0
178	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Emissivity measurement apparatus	1	1	0
179	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Stefan-Boltzmann apparatus	1	1	0

180	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Guarded plate apparatus	1	1	0
181	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Forced convection inside tube apparatus	1	1	0
182	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Air-conditioning test rig	1	1	0
183	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Composite wall apparatus	1	1	0
184	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Single / two stage reciprocating air compressor	1	1	0
185	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Refrigeration test rig	1	1	0
186	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Pin-fin apparatus	1	1	0
187	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Parallel/counter flow heat exchanger apparatus	1	1	0
188	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Natural convection – vertical cylinder apparatus	1	1	0
189	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Thermal conductivity of insulating powder apparatus	1	1	0
190	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Lagged pipe apparatus	1	1	0
191	B.E.	Computer Science and Engineering	3	2021	CS3311 Data Structures Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
192	B.E.	Computer Science and Engineering	3	2021	CS3311 Data Structures Laboratory	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1	1	0
193	B.E.	Computer Science and Engineering	3	2021	CS3311 Data Structures Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
194	B.E.	Computer Science and Engineering	3	2021	CS3361 Data Science Laboratory	Scipy, statmodels, seaborn, plotly	1	1	0
195	B.E.	Computer Science and Engineering	3	2021	CS3361 Data Science Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
196	B.E.	Computer Science and Engineering	3	2021	CS3361 Data Science Laboratory	Python 3.9 or later, Anaconda Distribution	1	1	0
197	B.E.	Computer Science and Engineering	3	2021	CS3361 Data Science Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
198	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
199	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	DevC++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1	1	0
200	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	Linux Ubuntu 20 or higher	30	30	0
201	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
202	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	Oracle Database 12 or higher, MySQL 5.7 or higher versions, SQL Server 2022(16.x)	1	1	0

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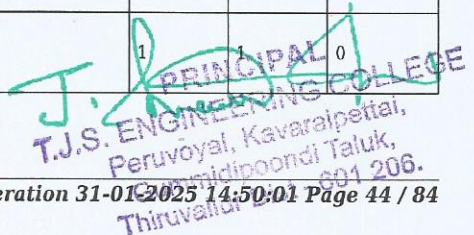|									
203	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
204	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
205	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Dual Regulated Power Supplies (0 – 30V)	10	10	0
206	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Resistors, Capacitors, Inductors – sufficient quantities. Bread Boards	15	15	0
207	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Voltmeter(0-30v)	30	30	0
208	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Ammeter(0-30mA)	30	30	0
209	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	CRO (30MHz)	10	10	0
210	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Decade Resistance Box	10	10	0
211	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Function Generators (3MHz)	10	10	0
212	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	Dual Regulated Power Supplies (0-30 v)	15	15	0
213	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	Standalone desktops PC	15	15	0
214	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	SPICE Simulator	15	15	0
215	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	Bread Boards	15	15	0
216	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	CRO/DSO (30 MHz)	15	15	0
217	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	Signal Generators / Function Generators (3 MHz)	15	15	0
218	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	BC107, BC547, BF195C, BFW10, IN4001, IN4007	25	25	0
219	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
220	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	Standalone desktops PC	15	15	0
221	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
222	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Trainer Kits for ASK, FSK and PSK (Each 2)	2	2	0
223	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	CRO/DSO (30 MHz)	15	15	0
224	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	MATLAB or equivalent open source software package for simulation Experiments	15	15	0
225	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Signal Generators / Function Generators (3 MHz)	15	15	0

226	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Standalone desktops PC	15	15	0
227	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Trainer Kits for AM, FM, Signal Sampling, TDM, PCM, PAM, PPM,PWM, DM and Line Coding Schemes (Each 2)	2	2	0
228	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Resistors, Capacitors, Inductors	1	1	0
229	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Standalone desktops PC	15	15	0
230	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Transistor/MOSFET (BJT-NPN-PNP and NMOS/PMOS)	50	50	0
231	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	70MHz DSO and 50 MHz Arbitrary Function Generator/ signal generator	15	15	0
232	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Bread Boards	15	15	0
233	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Digital LCR Meter	2	2	0
234	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Digital Multimeter	15	15	0
235	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	IC741, IC565, AD620 (Each 15)	15	15	0
236	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	IC Tester	5	5	0
237	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Power Supplies (0 – 30V/3A)(0-30V/3A)(0-5V/3A) (+/-15V)	15	15	0
238	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Xilinx/Altera/equivalent FPGA Boards	15	15	0
239	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Power Supplies (0 – 30V/3A)(0-30V/3A)(0-5V/3A) (+/-15V)	15	15	0
240	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	70MHz DSO and 50 MHz Arbitrary Function Generator/ signal generator	15	15	0
241	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Cadence/ Mentor Graphics/Open Source equivalent CAD VLSI design tool	5	5	0
242	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Personal Computer	15	15	0
243	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Xilinx ISE/Altera Quartus/ equivalent EDA Tools (User License)	15	15	0
244	B.Tech.	Information Technology	3	2021	CS3361 Data Science Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
245	B.Tech.	Information Technology	3	2021	CS3361 Data Science Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
246	B.Tech.	Information Technology	3	2021	CS3361 Data Science Laboratory	Scipy, statmodels, seaborn, plotly	1	1	0
247	B.Tech.	Information Technology	3	2021	CS3361 Data Science Laboratory	Python 3.9 or later, Anaconda Distribution	1	1	0
248	B.Tech.	Information Technology	4	2021	CS3461 Operating Systems Laboratory	Linux Ubuntu 20 or higher	30	30	0
249	B.Tech.	Information Technology	4	2021	CS3461 Operating Systems Laboratory	DevC++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1	1	0
250	B.Tech.	Information Technology	4	2021	CS3461 Operating Systems Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0

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251	B.Tech.	Information Technology	4	2021	CS3461 Operating Systems Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
252	B.Tech.	Information Technology	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
253	B.Tech.	Information Technology	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	Oracle Database 12 or higher, MySQL 5.7 or higher versions, SQL Server 2022(16.x)	1	1	0
254	B.Tech.	Information Technology	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
255	B.Tech.	Information Technology	3	2021	CD3281 Data Structures and Algorithms Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
256	B.Tech.	Information Technology	3	2021	CD3281 Data Structures and Algorithms Laboratory	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1	1	0
257	B.Tech.	Information Technology	3	2021	CD3281 Data Structures and Algorithms Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
258	B.Tech.	Information Technology	4	2021	IT3681 Mobile Application Development Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
259	B.Tech.	Information Technology	4	2021	IT3681 Mobile Application Development Laboratory	Android Studio	1	1	0
260	B.Tech.	Information Technology	4	2021	IT3681 Mobile Application Development Laboratory	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	30	30	0
261	B.Tech.	Information Technology	2	2021	CS3271 PROGRAMMING IN C LABORATORY	Systems with Linux Operating System with GNU Compiler	30	30	0
262	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Inductance Box	6	6	0
263	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Digital Storage Oscilloscope (20 MHz)	2	2	0
264	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Function Generator (MHz Range)	5	5	0
265	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Multimeters	10	10	0
266	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Necessary Quantities of Resistors, Inductors, Capacitors of various capacities (Quarter Watt to 10 Watt)	1	1	0
267	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Oscilloscope (20 MHz)	10	10	0
268	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Printer	1	1	0
269	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Regulated Power Supply (0-30V)	15	15	0
270	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Single Phase Wattmeter of suitable rating	5	5	0
271	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Three phase star & delta connected load / Single phase load bank of suitable rating	3	3	0
272	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	10 Nos of PC loaded with Pspice/ Matlab/e-Sim / Scilab/Equivalent Software Package	10	10	0

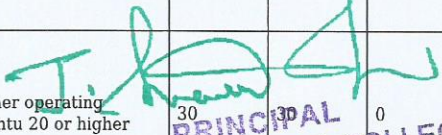| 273	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	AC/DC -Ammeters of required rating	10	10	0
274	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	AC/DC – Voltmeters of required rating	10	10	0
275	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Circuit Connection Boards	20	20	0
276	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Connecting Wires	1	1	0
277	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Capacitance Box	6	6	0
278	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Resistance Box	6	6	0
279	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Storage Oscilloscope	1	1	0
280	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Bread boards	10	10	0
281	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	CRO	10	10	0
282	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Function Generators	10	10	0
283	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Necessary digital IC 8	10	10	0
284	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Regulated 3 output Power Supply 5, ± 15V	10	10	0
285	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Resistors, Capacitors and inductors	10	10	0
286	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Semiconductor devices like Diode, Zener Diode, NPN Transistors, JFET, UJT, Photo diode, Photo Transistor	10	10	0
287	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With DC Shunt Generator	1	1	0
288	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Three Phase Resistive Loading Bank	2	2	0
289	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Three Phase Auto Transformer	1	1	0
290	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Tachometer -Digital/Analog	8	8	0
291	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Transformer	4	4	0
292	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Resistive Loading Bank	2	2	0

293	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Auto Transformer	2	2	0
294	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Rheostats	1	1	0
295	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor with Loading Arrangement	3	3	0
296	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With Three phase Alternator	1	1	0
297	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With DC Compound Generator	2	2	0
298	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Series Motor with Loading Arrangement	1	1	0
299	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Compound motor with loading arrangement	1	1	0
300	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Rheostats	1	1	0
301	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase Slip ring Induction motor	1	1	0
302	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase Salient Pole Alternator	1	1	0
303	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase non-salient pole Alternator	3	3	0
304	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Capacitor Bank	1	1	0
305	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Auto Transformer	3	3	0
306	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Resistive Loading Bank	2	2	0
307	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Tachometer -Digital/Analog	8	8	0
308	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three phase inductive load	1	1	0
309	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Induction Motor with Loading Arrangement	2	2	0
310	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Resistive Loading Bank	2	2	0
311	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Induction Motor with Loading Arrangement	2	2	0
312	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Auto Transformer	2	2	0
313	B.E.	Electrical and Electronics Engineering	5	2021	EE3512 CONTROL AND INSTRUMENTATION LABORATORY	Mat Lab Latest Version	30	30	0
314	B.E.	Electrical and Electronics Engineering	5	2021	EE3512 CONTROL AND INSTRUMENTATION LABORATORY	Desktop	30	30	0
315	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Personal Computers (Intel Core i5 or i7, 500 GB, 8 GB RAM)	30	30	0
316	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Server (Intel Core i7, 2 TB, 8 GB RAM or higher) (High Speed Processor)	1	1	0

317	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Software: EMTP / ETAP / CYME / MIPOWER / any Power system simulation software	5	5	0
318	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Dot matrix Printer	1	1	0
319	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Compilers: C / C++ / Matlab	30	30	0
320	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Laser Printer	1	1	0
321	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Zener diodes	1	1	0
322	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Analog and Digital IC Tester (2 nos.each)	2	2	0
323	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Bread Board	1	1	0
324	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Capacitor	1	1	0
325	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Cathode Ray Oscilloscope (CRO) 50 Mhz	10	10	0
326	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Digital IC Types	1	1	0
327	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Digital Multimeter	10	10	0
328	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Diodes, IN4001, BY126	1	1	0
329	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Function Generator	5	5	0
330	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	IC 741/ICNE555/566/565	1	1	0
331	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	ICSG3524/SG3525	1	1	0
332	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LED	1	1	0
333	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LM317	1	1	0
334	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LM723	1	1	0
335	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Potentiometer	1	1	0
336	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Regulated Power supply +12/-12V,5V	15	15	0
337	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Resistors ¼ Watt Assorted	1	1	0
338	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Single strand wire	1	1	0
339	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Step-down Transformer 230V/12-0-12V	1	1	0
340	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Transistor	1	1	0

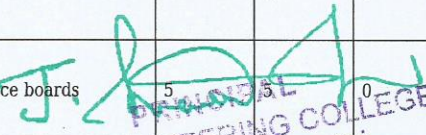|									
341	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CS3361 Data Science Laboratory	Python 3.9 or later, Anaconda Distribution	1	1	0
342	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CS3361 Data Science Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
343	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CS3361 Data Science Laboratory	Scipy, statmodels, seaborn, plotly	1	1	0
344	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CS3361 Data Science Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
345	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CD3281 Data Structures and Algorithms Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
346	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CD3281 Data Structures and Algorithms Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
347	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CD3281 Data Structures and Algorithms Laboratory	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1	1	0
348	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CS3381 OBJECT ORIENTED PROGRAMMING LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
349	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CS3381 OBJECT ORIENTED PROGRAMMING LABORATORY	Front End Tools: Eclipse IDE / Netbeans IDE	30	30	0
350	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	3	2021	CS3381 OBJECT ORIENTED PROGRAMMING LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	1	1	0
351	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AL3411 Artificial Intelligence & Machine Learning Laboratory	Python, Numpy, Scipy, Matplotlib, Pandas, statmodels, seaborn, plotly, bokeh	1	1	0
352	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AL3411 Artificial Intelligence & Machine Learning Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0

353	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AL3411 Artificial Intelligence & Machine Learning Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
354	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AL3411 Artificial Intelligence & Machine Learning Laboratory	Python 3.9 or later, Anaconda Distribution, python editors, Jupyter / PyCharm/equivalent	1	1	0
355	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AD3381 Database Design and Management Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
356	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AD3381 Database Design and Management Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
357	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AD3381 Database Design and Management Laboratory	UMLLET Version 15 and above, JetUML, version 8.0 and above, Star UML version v5.0 and above	1	1	0
358	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AD3381 Database Design and Management Laboratory	PostgreSQL, NetBeans / Visual Studio	1	1	0
359	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4	2021	AD3381 Database Design and Management Laboratory	Oracle Database 12 or higher, MySQL 5.7 or higher, SQL Server 2022(16.x)	1	1	0
360	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	PostgreSQL, NetBeans / Visual Studio	1	1	0
361	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	Oracle Database 12 or higher, MySQL 5.7 or higher, SQL Server 2022(16.x)	1	1	0
362	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
363	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	UMLLET Version 15 and above, JetUMl, version 8.0 and above, Star UML version v5.0 and above	1	1	0
364	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
365	B.Tech.	Artificial Intelligence and Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
366	B.Tech.	Artificial Intelligence and Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
367	B.Tech.	Artificial Intelligence and Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	Python, Numpy, Scipy, Matplotlib, Pandas, seaborn	1	1	0

368	B.Tech.	Artificial Intelligence and Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	Python3.9 and above	1	1	0
369	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3411 Data Science and Analytics Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
370	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3411 Data Science and Analytics Laboratory	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statmodels	1	1	0
371	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3411 Data Science and Analytics Laboratory	Python3.9 and above	1	1	0
372	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3411 Data Science and Analytics Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
373	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3461 MACHINE LEARNING LABORATORY	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	30	30	0
374	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3461 MACHINE LEARNING LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
375	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3461 MACHINE LEARNING LABORATORY	The programs can be implemented in either Python or R	1	1	0
376	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3461 MACHINE LEARNING LABORATORY	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statmodels Python3.9 and above, Anaconda Distribution	1	1	0
377	B.Tech.	Artificial Intelligence and Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	sci-kit learn	1	1	0
378	B.Tech.	Artificial Intelligence and Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
379	B.Tech.	Artificial Intelligence and Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statmodels Python3.9 and above, Anaconda Distribution	1	1	0
380	B.Tech.	Artificial Intelligence and Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
381	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	1	1	0
382	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse and GPU as required	25	25	0
383	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	ArgoUML/ STARUML/JetUML that supports UML 1.4 and higher Selenium, JUnit or Apache JMeter, Bugzilla, testDirector, TestLink	1	1	0
384	M.E.	Computer Science and Engineering	1	2021	CP4161 ADVANCED DATA STRUCTURES AND ALGORITHMS LABORATORY	64-bit Open source Linux or its derivative	25	25	0
385	M.E.	Computer Science and Engineering	1	2021	CP4161 ADVANCED DATA STRUCTURES AND ALGORITHMS LABORATORY	Open Source C++ Programming tool like G++/GCC	25	25	0
386	M.E.	VLSI Design	1	2021	VL4111 FPGA LABORATORY	FPGA simulator tool (licensed/open source)	14	14	0
387	M.E.	VLSI Design	1	2021	VL4111 FPGA LABORATORY	PCs	25	25	0
388	M.E.	VLSI Design	1	2021	VL4111 FPGA LABORATORY	FPGA Trainer Board	14	14	0

389	B.Tech.	Artificial Intelligence and Data Science	2	2021	AD3271 DATA STRUCTURES DESIGN LABORATORY	Python 3 interpreter for Windows/Linux	30	30	0
390	M.B.A.	Master of Business Administration	2	2021	BA4212 Data Analysis and Business Modelling laboratory	Printer Tonner	3	3	0
391	M.B.A.	Master of Business Administration	2	2021	BA4212 Data Analysis and Business Modelling laboratory	Xerox Tonner	3	3	0
392	M.B.A.	Master of Business Administration	2	2021	BA4212 Data Analysis and Business Modelling laboratory	Any Licensed Spread Sheet and Analysis Software like Microsoft Excel, SPSS etc	25	25	0
393	M.B.A.	Master of Business Administration	2	2021	BA4212 Data Analysis and Business Modelling laboratory	computer with (processor P-V or above)	25	25	0
394	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	c)Career Lab software	1	1	0
395	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	10 kVA UPS for Computer Machines	1	1	0
396	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	a)Interactive Teacher Control Software	1	1	0
397	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Audio Mixer	1	1	0
398	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	b)English Language Lab Software	1	1	0
399	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Client Systems (PIV or above, 512 MB RAM/40 GB, OS:Winwods, Audio card with headphones(with mike) JRE 1.3	1	1	0
400	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Collar mike	1	1	0
401	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Cordless mikes	1	1	0
402	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	DVD Recorder / Player	1	1	0
403	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Handicam Video Camera (with video lights and mic input)	1	1	0
404	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Interactive White Board	1	1	0
405	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	LCD Projector with MP3 /CD /DVD provision for audio / video facility - Desirable	1	1	0
406	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Printer cum Xerox Machine	2	2	0
407	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Server (PV System, 1 GB RAM/40 GB HDD, OS:Winwods server, Audio Card with headphones (With mike), JRE 1.3	1	1	0
408	M.B.A.	Master of Business Administration	1	2021	BA4112 Business Communication Laboratory	Television-29 or above	1	1	0
409	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Stepper motor interface board	5	5	0
410	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	8051 Microcontroller trainer kit with power supply	15	15	0
411	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	ADC and DAC Interface boards	5	5	0

412	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Traffic light interface board	5	5	0
413	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Software tool for 8085,8051,PIC assemblers loaded in computers (5 nos. PC with software license)	5	5	0
414	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	8085 Trainer kit with power supply	15	15	0
415	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	Standalone desktops PC	15	15	0
416	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
417	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
418	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Boost Converter	1	1	0
419	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	AC Voltage Controller	1	1	0
420	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase PWM Inverter	2	2	0
421	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase Semi converter	2	2	0
422	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Step down chopper	1	1	0
423	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Step up chopper	1	1	0
424	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Three phase PWM Inverter	2	2	0
425	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Patchchords	20	20	0
426	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Regulated DC power supply	10	10	0
427	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Voltmeter, Ammeter	10	10	0
428	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	SCR, TRIAC, IGBT, MOSFET (10 nos. Each)	10	10	0
429	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase Full converter	2	2	0
430	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Multimeter	10	10	0
431	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	CRO	10	10	0
432	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Computer	10	10	0
433	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Buck converter			0

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Thiruvallur Dist - 601 206.

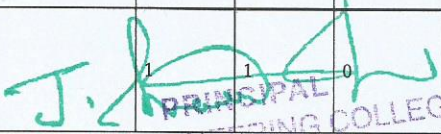| 434	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Buck Boost converter	1	1	0
435	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Bread board	15	15	0
436	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	CRO	1	1	0
437	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	D C Power Supply (0-128 V), (0-32V)	1	1	0
438	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC power supply (0-30V)	1	1	0
439	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1	1	0
440	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1	1	0
441	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1	1	0
442	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	X-OR Gate IC 7486	1	1	0
443	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Wattmeters 0-5 A,300V	2	2	0
444	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	MOSFET (2N7000)	1	1	0
445	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	LVDT kit	1	1	0
446	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	IC Trainer Kit	1	1	0
447	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	IC 7400, 7402, 7404,7408,7432,7486	1	1	0
448	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Field Rheostat 175 Ω, 1.5 A	1	1	0
449	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC shunt generator(0- 300V)	1	1	0

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Gummidipoondi Taluk
Thiruvallur Dist - 601 206.

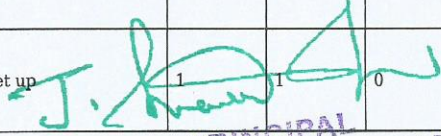| 450 | B.E. | Mechanical Engineering | 2 | 2021 | BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY | DC Shunt Motor | 1 | 1 | 0 |
451	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Shunt Motor coupled with DC shunt Genarator	1	1	0
452	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Digital IC trainer	1	1	0
453	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Digital multimeter	1	1	0
454	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Digital Multimeter	1	1	0
455	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Diodes (Si-1N4007) – 4	1	1	0
456	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Wattmeter - 300V,5A,UPF	1	1	0
457	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Wattmeter – 300V, 30 A	1	1	0
458	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter MI (0-300)V	1	1	0
459	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter MC (0-300)V	1	1	0
460	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter (0-30V)	1	1	0
461	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter(0-300v)	1	1	0
462	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter 0-200v,MI	1	1	0
463	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter (0-150)V,(0-300)V	1	1	0
464	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter (0-100V)	1	1	0
465	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Transistor (No-BC548)	1	1	0

466	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Transformer (6-0-6)V	1	1	0
467	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Three Phase Variable Load	1	1	0
468	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer – Digital	1	1	0
469	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer	1	1	0
470	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer	1	1	0
471	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Single phase Transformer	1	1	0
472	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Single phase Induction motor	1	1	0
473	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	SCR TYN604	1	1	0
474	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Rheostat 7.5 Ω, 10 A	1	1	0
475	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Rheostat 175Ω, 250 Ω	1	1	0
476	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors- 1kΩ, 470KΩ, 1MΩ	1	1	0
477	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors 1KΩ, 1KΩ	1	1	0
478	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors	1	1	0
479	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	resistor (1KΩ, 100KΩ)	1	1	0
480	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistor 1 KΩ, 100Ω	1	1	0
481	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistor 1KΩ	1	1	0

482	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	PN Diode (BY127, OA79), Zener diode (6.8V, 1A)	1	1	0
483	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Patch Chords	1	1	0
484	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Patch chords	1	1	0
485	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	OR Gate IC 7432	1	1	0
486	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	NOT Gate IC 7404	1	1	0
487	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
488	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
489	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
490	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
491	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
492	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter (0-30 A), (0-2A)	1	1	0
493	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter (0-30)A, (0-5)A	1	1	0
494	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter MC (0-20A)	1	1	0
495	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter MI (0-20A)	1	1	0
496	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeters (0-100mA, 0-25mA, 0-1mA)	1	1	0
497	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeters 0-10 A, MI	2	2	0

498	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	AND Gate IC 7408	1	1	0
499	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Autotransformer	1	1	0
500	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread board	1	1	0
501	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread board	1	1	0
502	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1	1	0
503	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1	1	0
504	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1	1	0
505	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1	1	0
506	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Capacitor 100µF	1	1	0
507	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0
508	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0
509	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0
510	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0
511	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0
512	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
513	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0

514	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
515	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
516	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
517	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
518	M.E.	VLSI Design	1	2021	VL4112 ANALOG IC DESIGN LABORATORY	Spice Simulator tool (licensed/open source)	14	14	0
519	M.E.	VLSI Design	1	2021	VL4112 ANALOG IC DESIGN LABORATORY	PCs	14	14	0
520	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	IM wooden seal	1	1	0
521	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Metacentric Height apparatus setup	1	1	0
522	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Stop watch	1	1	0
523	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Tachometer	1	1	0
524	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Impact of jet setup	1	1	0
525	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Friction Apparatus setup	1	1	0
526	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY		1	1	0
527	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY		1	1	0
528	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Venturimeter setup	1	1	0
529	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Pelton Wheel turbine set up	1	1	0
530	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Reciprocation pump set up	1	1	0
531	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Centrifugal pump set up	1	1	0

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