

<b>10.15 C: Laboratory and Workshop</b>		
<b>10.15C.1: List of Major Equipment/Facilities in each Laboratory/ Workshop</b>		
<b>Note: Major Equipment can be &gt; or equal to 20000</b>		
<b>ELECTRONICS &amp; TELE-COMMUNICATION ENGG</b>		
<b>Sr. No.</b>	<b>Major Equipment/Facilities</b>	<b>Number</b>
1	DATA PROJECTOR	2
2	CRO	31
3	DSO	9
4	DIGITAL IC TESTER	5
5	ANALOG IC TESTER	1
6	LAPTOP	3
7	COMPUTER	21
8	ALLEN BRADLEY PLC	1
<b>MECHANICAL ENGINEERING</b>		
<b>Sr. No.</b>	<b>Major Equipment/Facilities</b>	<b>Number</b>
1	LATHE MACHINE ATLASUPERCUT	6
2	ELMACO BENCH GRINDER 25MM	1
3	PRECISION MILLER DRILL MACHINE	1
<b>ELECTRICAL ENGINEERING</b>		
<b>Sr. No.</b>	<b>Major Equipment/Facilities</b>	<b>Number</b>
1	WORKING CUT SECTION OF SINGLE PHASE INDUCTION MOTOR 1HP, 230V 1440 RPM (WITHOUT CAPACITOR)	1
2	WORKING CUT SECTION OF THREE PHASE INDUCTION MOTOR 1HP, 415V 1440 RPM	1
3	2HP AC 3 PHASE SCIM WITH MECHANICAL LOADING WITH CONTROL PANEL & 3PH DOL STARTER	1
4	THREE PHASE ALTERNATOR-THREE PHASE ALTERNATOR 415 VOLT. 10 AMP,50HZ. WITH LOADING ARRANGEMENT AND INSTALLATION WITH 3 PHASE INDUCTION MOTOR	1
5	2HP AC 415V, 1500 RPM THREE PHASE SYNCHRONOUS MOTOR-THREE PHASE SYNCHRONOUS MOTOR WITH LOADING ARRANGEMENT AND INSTALLATION	1
6	2HP AC 3 PHASE SCIM DOUBLE SPEED TYPE WITH 2 SPEEDS 1440/2800 WITH CHANGE OF CONNECTIONS CONTROL PANEL 3PH DOL STARTER	1
<b>AUTOMATION &amp; ROBOTICS ENGINEERING</b>		
<b>Sr. No.</b>	<b>Major Equipment/Facilities</b>	<b>Number</b>
1	CRO (30MHZ DUAL TRACE)	4
2	PATTERN GENERATOR	1

3	DIGITAL STORAGE OSC (DSO)	2
4	CRO (25MH2,2CHAN & TRACE)	2
5	DSO (50MH2500MS/WITH FFT	1
6	APLAB DC POWER SUPPLY	1
7	APLAB DC POWER SUPPLY	1
8	DUAL DC POWER SUPPLY	6
9	D.C DEFIBRILLATOR SYSTEM.	1
10	DEFIBRILLATOR SIMULATOR	1
11	PHONOCARDIOGRAPH SYSTEM WITH SENSOR HEAD PHONE TYPE	1
12	PCBASED PFT UNIT WITH SENSOR MOUTH PIECES & S/W	1
13	DIGITAL BLOOD PRESSURE MEASUREMNT	1
14	ECG AMPLIFIER TRAINER KIT	1
15	DC POSITION CONTROL SYSTEM	1
16	DC POSITION CONTROL SYSTEM	1
17	AC POSITION CONTROL SYSTEM	1
18	PID POSITION CONTROL SYSTEM	1
19	PORTABLE UNIVERSAL CALIBRATOR MODEL MIC ROCAL	1
20	MEASUREMENT SPEED OF STEPPER MOTOR	1
21	POTENTIOMETER AS A ERROR DETECTOR	2
22	DC POSITION CONTROL SYSTEM	1
23	SYNCHRO CONTROL ERROR SYSTEM	1
24	CRO TRAINER KIT	3
25	LVDT TRAINER KIT	3
26	DEAD WEIGHT TESTER	1
27	TV FAULT FINDING TV KIT	1
28	STROBOSCOPE	1
29	LOAD MEASUREMENT USING GAUGE	1
30	HTC VIBRATION METER	1
31	STRAIN GAUGE METER	1
32	COMPUTER HCL	6
33	COMPUTER H P	9
34	DELL COMPUTER	3
35	20MH2RF FUNCTION GENERATOR	2
36	3/40MH2 FUNCTION GENERATOR	2
37	ROTARY ENCODER	1
38	50MHZ DDS FUNCTION GENERATOR	1
39	DIFFERENTION LVDT KIT	1

40	DIGITAL IC TESTER	1
41	LINEAR IC TESTER	1
42	DRILLING MACHINE	1
43	ETCHING MACHINE	1
44	PCB ARTWORK FILM MAKER	1
45	PCB CURING MACHINE OVEN	1
46	PROTO RESIST DIP COATING MACHINE	1
47	PCB SHEARING MACHINE	1
48	PCB EXPLOSER	1
49	ROLLER TINNING MACHINE	1
50	DRILLING MACHINE	2
51	ETCHING MACHINE	1
52	EASY DEVELOPER UNIT	1
53	PCB CUTTER CIRCLAR SAWPHINIC	1
54	PCB COATE CUM PHOTO RESIST DRYER	1
55	DRILL MACHINE	2
56	EASY EATCHING MACHINE	1
57	ULTRASONIC EXPOUSER	1
58	OVEN WITH DECODER	1
59	PCB CUTTER SAW	1
60	UNIVERSAL PROGRAMMER	1
61	IC BURNER HIGP 8	1
62	POWER SUPPLY	10
63	DIGITAL STORAGE OSCILLOSCOPE(200MHZ)	1
64	REGULATED BENCH DUAL OUTPUT POWER SUPPLY	2
65	REGULATED BENCH RACK DUAL OUTPUT POWER SUPPLY	2
66	CATHOD RAY OSCILLOSCOPE (5 IN TEST LAB)	6
67	30MHZ DUAL TRACE CRO	2
68	20 MHZ PHILIPS DUAL TRACE CRO	2
69	30 MHZ DUAL TRACE CRO	1
70	APLAB 20 MHZ CRO	1
71	20 MHZ CRO PHILIPS	2
72	30 MHZ DUAL TRACE CRO	1
73	APLAB 20 MHZ CRO	1
74	20 MHZ CRO PHILIPS	2
75	50MHZ CRO	1
76	LX INFINITY COMPUTERS	1

77	LX INFINITY COMPUTERS	1
78	HCL COMPUTERS	3
79	DELL COMPUTERS	7
80	LX INFINITY COMPUTERS	1
81	DELL OPTI 3020 COMPUTERS	2
82	DELL OPTI 3080 COMPUTERS	2
83	HP I5 COMPUTERS	1
84	HP I5 COMPUTERS	2
85	I7 DELL OPTIPLEX 3050	2
86	DELL OPTILEX 3050 12TH GEN INTEL I 7TH COMPUTERS	18
87	AI BASED MISTUBHISHI RV-8CRL ROBOT -PAY LOAD 8 KG	1
88	CREALITY ENDER 3 S1 PRO 3D PRINTER	1
89	HP INTEL CORE I5 1235, 12TH GEN, 8 GB RAM, 1 TB HDD+256 GB SSD WIN 11 WHITE COLOUR ALL IN ONE PC	1
90	IOT LEARNING BOX (36 I/O PINS BUILT IN WI-FI AND BLUETOOTH )	1
91	16PT. ALARM ANNUNCIATOR WITH ELECTRONIC HOOTER,230VAC,SET OF PUSH BUTTON (TEST, ACCEPT, RESET)	1
92	ELECTROMAGNETIC FLOW METER	1
93	CUT SECTION OF FLOW SENSORS ORIFACE & VENTURI	1
94	30MHZ DUAL TRACE OSCILLOSCOPE MODEL: 3744	2
95	MODICON TSX MICRO PLC DIGITAL I/P,O/PANALOG I/P FIXED IN PLC	1
96	MITSUBISHI PLC CONTROL PANEL COMPRISING OF PLC & ACC.	1
97	9324RL0100ENEPLC PRODUET	1
98	S/S PANAL 5 I/P WITH 5 O/P,TEMP TRANSMITER SENSOR TEMINALS FOR WIRING PURPASE MCB ETC.	1
99	METAL TUBE ROTAMETER	1
100	SMART LEVEL TRANSMITTER	1
101	PRESSURE TRANSMITTER I/P (0-5)KG/CM2	1
102	DIFFERENTIAL PRESSUREL TRANSMITTER I/P (0-1000)	1
103	ULTRASONIC LEVEL TRANSMITTER {INSTALLED IN LEVEL LOOP}	1
104	SMART TRANSMITTER TRAINER	1
105	DEAD WEIGHT TESTER WITH WEIGHT SET	1
106	FLOW MEASUREMENT LOOP	1
107	SCADA SOFTWARE VIJEO CITECT VERSION 7.3 POINTS 75	1
108	LAB VIEW SOFTWARE (UNDER MODROB)	1
109	DELTA V SYSTEM (UNDER MODROB) WITH 02 COMPUTERS	1

110	HCL COMPUTER	1
111	DELL OPTIPLEX 3020 MINITOWER DESKTOP COMPUTER (UNDER MODROB)	3
112	DELL COMPUTER	1
113	HCL COMPUTER	3
114	8 CHANNEL DATA LOGGER RANGE 0-200DEGC	1
115	PROGRMABLE LOGIE CONTROLLER WITH DAQ PLC	1
116	LA LOGIC 16032	1
117	HP COMPUTER I5 PROCESSOR 4GB RAM, 500 GB HARD DISK	9
<b>CIVIL ENGINEERING</b>		
<b>Sr. No.</b>	<b>Major Equipment/Facilities</b>	<b>Number</b>
1	KOIZUMI PLACOM DIGITAL PLANIMETER	2
2	MICRO OPTIC THEODOLITE	2
3	ELECTRONIC DIGITAL THEODOLITE	2
4	GEO MAX TOTAL STATION	2
5	MOTORIZED SIEVE SHAKER MACHINE	1
6	VIBRATING TABLE 500MM X 500MM	1
7	LOS ANGELES ABRASION TESTING MACHINE	1
8	ULTRASONIC PULSE VELOCITY (UPV)	1
9	ANALOG CONCRETE TEST HAMMER	1
10	RING AND BALL APPARATUS	2
11	AUTOMATIC STANDARD PENETROMETER	2
12	PENSKY MARTEN FLASH POINT APPARATUS	2
13	DUCTILITY TESTING APPARATUS	1
14	DIRECT SHEAR TEST APPARATUS ELECTRICALLY CUM MANUALLY OPERATED WITH PROVING RING AND DIAL GAUGE	1
15	CBR APPARATUS CALIFORNIA BEARING RATIO APPARATUS WITH LOAD FRAME	1
16	HOT AIR OVEN DIGITAL	1
17	CONSTANT HEAD & FALLING HEAD PERMEABILITY APPARATUS	1
18	MODELS OF DOORS WITH SURROUNDING FRAMES	1
19	MODELS OF WINDOW 7 DIFFERENT TYPE	1
20	MODEL OF STAIR CASE	1
<b>COMPUTER ENGINEERING</b>		
<b>Sr. No.</b>	<b>Major Equipment/Facilities</b>	<b>Number</b>
1	COMPUTER	21
2	CISCO DEVELOPMENT RACK	2

3	DELL LAPTOP	1
4	COMPUTER	25
5	COMPUTER	22
6	COMPUTER	19
7	COMPUTER	5