

DEPARTMENT OF MECHANICAL ENGINEERING

Hydraulic Machines Lab				
S.No	Equipment	Quantity	Cost	Date of Purchase
1	Pelton Wheel Turbine	1 No	130650.00	18.09.1997
2	Francis Turbine	1 No	135600.00	18.09.1997
3	Variable Speed Reciprocating Pump	1 No	44800.00	18.05.1997
4	Variable Speed Centrifugal Pump	1 No	52800.00	18.09.1997
5	Orifice & Mouth Piece Apparatus	1 No	63137.00	05.08.1997
6	Venturi Meter Apparatus	1 No	58727.00	18.09.1997
7	Orifice Meter Apparatus	1 No	58727.00	18.09.1997
8	Notch Apparatus	1 No	66077.00	05.08.1997
9	Bernoullis Theorem Apparatus	1 No	55787.00	14.09.2002
10	Losses in Pipe Friction Apparatus	1 No	55787.00	14.09.2002
11	Hydraulic Ram Apparatus	1 No	21000.00	14.09.2002
Heat Engines Lab				
1	Wind tunnel test rig	1 No	204750.00	29.04.1998
2	4 cylinder diesel engine test rig	1 No	202315.00	18.02.1998
3	Multi cylinder petrol engine (4 stroke) 4 cylinder test rig with hydraulic loading and exhaust gas calorimeter and morse test facility (Ambassador Make)	1 No	102000.00	09.06.1995
4	Twin cylinder 10HP diesel (4 stroke) engine test rig with A.C alternator and exhaust gas calorimeter (Kirloskar)	1 No	98000.00	09.06.1995
5	Double stage, Double cylinder 7.5 HP air compressor test rig.	1 No	43500.00	28.05.1995
6	Slow speed diesel test rig (4 stroke) with mechanical loading (Anil Make)	1 No	43000.00	09.06.1995
7	Single cylinder 5 HP diesel engine (4 stroke) test rig with mechanical loading (Kirloskar make)	1 No	41000.00	09.06.1995
8	Single cylinder petrol engine (4 stroke) test rig with mechanical loading (Greaves engine)	1 No	41000.00	09.06.1995
9	PEC Refrigeration cycle test rig	1 No	34000.00	21.03.1994
10	Air blower test rig 3 HP	1 No	32000.00	28.05.1994
Fuels & Models Lab				
1	Bomb Calorimeter	1 No	40371.00	17.09.1996
2	Dead Weight Pressure Gauge tester	1 No	29087.00	02.01.1997
Industrial Engineering Lab				
1	Thread mill	1 No	86,300.00	22.01.1998
Heat and Mass Transfer Lab				
1	A/c Test Rig	1 No	76,440.00	28.01.2006
2	Drop wise and film wise condensation apparatus	1 No	40,560.00	28.01.2006
3	Pin-Fin Apparatus	1 No	30,000.00	22.03.2008
4	Thermal conductivity of solids	1 No	29,500.00	22.03.2008
5	Thermal Conductivity Apparatus	1 No	23,703.00	20.11.1992
6	Heat Transfer in Forced Convection	1 No	22,203.00	20.11.1992
7	Heat Transfer Pinfin Apparatus	1 No	23,703.00	20.11.1992
8	Pool Boiling Apparatus (Critical heat flux)	1 No	25,000.00	01.06.1998
9	Composite Wall Apparatus	1 No	21,000.00	22.03.2008
10	Emmissivity Measurement Apparatus	1 No	25,000.00	22.03.2008
Metrology Lab				
1	Slip gauge sets	4 Nos	1,14,538.00	22.04.2006

2	Tool makers microscope	1 No	66,500.00	27.05.1997
3	Profile Projector	1 No	65,000.00	15.03.1995
4	Autocollimator	11 Nos	37,550.00	18.08.1997
5	Surface roughness tester	1 No	78,500.00	25.01.2003
Mechatronics Lab				
1	PLC Trainer Kit	1 unit	1,45,000.00	13.06.2011
2	Application unit	3 units	38,000.00	13.06.2011
3	Sensor Training Kit & Transducer Kit (Digital type) – 8 items	1 unit	50,450.00	13.06.2011
4	Electro - pneumatic Trainer kit – 30 items	1 unit	75,000.00	13.06.2011
5	Training on Material Handling system	1 unit	24,500.00	13.06.2011
CAD/CAM Lab				
1	CNC Trainer Lathe	1 No	50,7150.00	19.06.1999
2	Robot Arm	1 No	1,74,900.00	27.03.2006
3	IBM Computer Systems	10 Nos	31,400.00	11.07.2000
4	HP Computer Systems	35 Nos	11,02,500.00	31.08.2015
5	CNC XL Mill	1 No	67520.00	11.04.2005
6	Hexacrawler Robot	1 No	1,34,000.00	22.01.2007
Machine Shop				
1	Metal Cutting Band Saw	1 No	25,948.00	05.05.1994
2	Universal Milling machine	1 No	62,202.40	05.05.1994
3	Capstan Lathe	1 No	47,772.40	05.05.1994
4	Surface Grinding Machine	1 No	43,069.00	05.05.1994
5	Lathe Machine	1 No	77,903.00	04.06.1994
6	Lathe Machine	1 No	51,100.00	02.07.1995
7	Lathe Machine	2 Nos	65,200.00	02.07.1995
8	Lathe Machine	1 No	46,000.00	02.07.1995
9	Lathe Machine	1 No	31,000.00	02.07.1995
10	Lathe Machine	2 Nos	54,000.00	02.07.1995
11	Shaping Machine	1 No	50,000.00	02.07.1995
12	Shaping Machine	1 No	59,048.00	02.07.1995
13	Tool & Cutter Grinder	1 No	49,658.40	22.05.1996
14	Shaping Machine	1 No	59,048.00	22.05.1996
15	Planing Machine	1 No	2,55,200.00	14.07.1998
16	Lathe Machine	1 No	3,46,188.00	13.01.1999
17	Lathe Dynamo Meter	1 No	22,000.00	18.10.2003
18	Milling Dynamo Meter with Vice	1 No	26,650.00	18.10.2003
19	Drilling Dynamo Meter with Vice	1 No	20,950.00	18.10.2003
20	Universal radial drilling machine	1 No	1,12,795.00	11.03.2006
Strength of Materials Lab				
1	Spring testing machine	1 No	30,414.00	21.03.1994
2	Spring testing machine (50 Kg)	1 No	36,960.00	17.04.2006
3	Microtech Tensometer	1 No	69,433.00	26.06.1994
4	Vickers cum Brinell Hardness tester (old)	1 No	79,060.00	19.08.1994
5	Fatigue testing m/c	1 No	31,490.00	16.09.1994
6	Impact testing m/c	1 No	47,880.00	29.04.1995
7	Torsion Testing m/c	1 No	74,483.00	14.07.1995
8	Universal Testing m/c	1 No	3,37,977.00	23.03.2002
9	Brinell Hardness tester	1 No	68,040.00	23.03.2002
10	Vickers hardness tester	1 No	77,106.00	23.03.2002
Research Centre				
1	Wear testing machine	1 No	3,90,834.00	09.05.2012
2	Metallurgical Microscope	1 No	1,55,000.00	09.05.2012
3	Disc Polishing machine	1 No	22,000.00	09.05.2012
4	Muffle Furnace	1 No	22,000.00	09.05.2012
5	Electronic Weighing Balance	1 No	29,400.00	09.05.2012

6	Micro Hardness Tester	1 No	5,04,700.00	09.05.2012
7	Electronic Tensometer	1 No	4,35,000.00	09.05.2012
8	Planetary Ball Mill	1 No	7,17,750.00	09.05.2012
9	Accessories of Electronic Tensometer	1 No	59,825.00	09.05.2012
10	Aluminium Stir casting Research Assistant with its Accessories	1 No	4,27,000.00	09.05.2012
Stress Analysis Lab				
1	Determination of strain using cantilever beam & Strain Gauge with Digital Strain Indicator Range = 1999 Micro Strain.	1 No	9,510/-	17.08.2016
2	Calibration of Rotameter using air supply	1 No	41,020/-	17.08.2016
3	Measurement of Temperature with temperature source upto 100 ⁰ C – using RTD thermocouple, thermister, semiconductor sensor with digital temperature indicator with selector switch	1 No	19,110/-	17.08.2016
4	Hot wire Anemometer for measurement of Air Velocity with Digital Air velocity meter and velocity generating source	1 No	41,520/-	17.08.2016
5	Piezo electric accelerometer demonstration system comprises of piezo – electric sensor, vibration meter & vibration generator and oscillator power amplifier	1 No	48,570/-	17.08.2016
6	Determination of undamped and damped frequencies of spring mass system	1 No	36,400/-	17.08.2016
7	Experiment of Photo elastic bench (Plain Polariscope, circular polariscope)	1 No	3,12,560/-	17.08.2016
8	Photo elastic analysis of disc under diametric compression	1 No		17.08.2016
9	Photo elastic analysis of ring under diametric compression	1 No		17.08.2016
Mechanical Vibrations Lab				
1	To determine the radius of gyration of a given bar by using bifilar and Trifiller suspension.	1 No	1,64,880 /-	16.12.2016
2	To determine natural frequency of free torsional vibrations of single rotor system.	1 No		16.12.2016
3	Finding the natural frequencies and mode shapes of a cantilever beam and a simply supported beam	1 No		16.12.2016
4	Finding the damping presence in the structure using half power band width method.	1 No		16.12.2016
5	Harmonic excitation of cantilever and simply supported beams using electro-dynamic shaker	1 No	79,005 /-	16.12.2016
6	Finding the damping presence in the structure using logarithmic decrement method.	1 No	46,945/-	16.12.2016
7	Find the CG of a connecting rod using free vibration techniques.	1 No	46,945/-	16.12.2016
8	Finding the natural frequencies and mode shapes of plate at different boundary conditions	1 No	61,830/-	16.12.2016

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Communications LAB

S.No	Name of Major Equipment	Qty	Amount	Date of purchase
1	30MHz u-Tech	10	140000.00	14-10-2004
2	60MHz Digital Storage CRO	01	52500.00	1-10-1997
3	100MHz Digital Storage CRO	01	76500.00	1-10-1997
4	3MHz Spectrum analyzer with tracking generator	1	312375.00	5-10-2010
5	Micro Strip Antenna trainer system	1	76500.00	5-10-2010
6	Micro Strip component training system	1	86063.00	5-10-2010
7	SCT -01 Satellite Communication training system	01	114750.00	13-10-2010
8	DSO	4	75537.00	24-05-2016

Digital IC Lab

1	Digital Multi-meter	1	1050.00	19.08.91
2.	Digital Multi-meters	4	7280.00	31.07.01
3.	Digital IC trainers	8	37146.00	24.12.97
4.	Digital IC trainers	11	57400.00	27.12.07
5.	Digital and analog IC tester	1	36640.00	30-11-15
6.	Synthetic white marker board with stand	1	5450.00	19-07-16
7.	24 port D-link switch	1	2450.00	19-09-16
8.	Xilinx Vivado Software	1	1,35,000.00	13.06.20
9.	Artix-7 FPGA Kit	8	1,80,000.00	13.06.20
10.	Nexys DDR4 FPGA Board	1	21,900.00	13.06.20
11.	Zynq ZY Board z10 FPGA Kit	2	44,000.00	13.06.20
12.	Zed Board	1	40,000.00	13.06.20
13.	PYNQ Board	4	71,600.00	13.06.20
14.	P mods(Bundle 20 units)	1	49,7000.00	13.06.20

Microprocessor and Microcontroller

1	20 MHZ CRO	1	18200.00	14.10.04
2	UV Light Eraser	1	1550.00	12.11.91
3	Multimeter	1	1050.00	19.08.91
4	PCL 213 mv I/P Card	1	5325.00	04.11.92
5	PCL 214 ma I/P Card	1	5325.00	04.11.92
6	PCL 770	1	4950.00	04.11.92
7	ESA AD/DA Interface Card	2	5200.00	09.11.92
8	Relay O/P Cards	2	7000.00	09.11.92
9	Stepper Motor Interface	1	1800.00	10.10.92
10	ESA 86/88/87 MP Kit	2	10800.00	10.10.92
11	Power Supplies 5v.	2	2380.00	10.10.92
12	ESA 68K Microcomputer Kit	1	5500.00	10.10.92
13	Power Supply 5v.	1	1090.00	10.10.92
14	Dual Memory Interface	2	3239.00	12.10.92
15	8279 Interface with Key board	2	3590.00	30.01.93
16	A/D Interface	2	2520.00	30.01.93
17	D/A Interface	2	2150.00	30.01.93
18	CRT Terminal Interface	2	2900.00	30.01.93
19	8253 Timer Interface	2	2500.00	30.01.90
20	Printer Interface	2	2350.00	30.01.93

21	8085 Advanced MP Kit	4	18705.00	30.01.93
22	20 MHZ CRO's	3	54600.00	14.10.04
23	8085 MP Kit with power supply	4	13736.00	20.12.94
24	Power Supplies	4	3040.00	20.12.94
25	8253 Interface	2	760.00	28.12.94
26	Traffic Light Interface	2	1140.00	28.12.94
27	Audio Tape Interface	2	664.00	28.12.94
28	Universal EPROM Programmer	1	10925.00	28.12.94
29	Power supplies	2	1520.00	28.12.94
30	Keyboard display (7-seg 8-dig)	2	3210.00	28.12.94
31	8031 Microcontroller trainer	2	11000.00	28.12.94
32	Power supplies (5V)	2	2564.00	28.12.94
33	ESA 8085 MP kit	3	13965.00	28.12.94
34	Power supplies	3	2280.00	28.12.94
35	16- Channel ADC Interface	2	2090.00	20.12.94
36	Stepper Motor Interface	2	3420.00	20.12.94
37	Calculator type Keyboard Inter	2	2118.00	20.12.94
38	Dual DAC Interface	2	1928.00	20.12.94
39	8085 MP kit with power supply	3	12450.00	13.03.96
40	8085 MP kit with power supply	7	44625.00	13.03.96
41	Real clock timer interface	1	720.00	13.03.96
42	Logic Analyzer (ESA LOG ON)	1	7750.00	13.03.96
43	8085 MP kit	10	34300.00	12.03.98
44	Power Supplies	10	8750.00	12.03.98
45	Calculator Keyboard Interface	2	1723.00	12.03.98
46	Dual DAC Interface	2	1503.00	12.03.98
47	Logic Controller Interface	2	1503.00	12.03.98
48	Traffic Controller Interface	2	1503.00	12.03.98
49	RTC Interface	2	1503.00	12.03.98
50	16 Channel ADC Interface	2	2576.00	12.03.98
51	Stepper motor Interface	2	5782.00	12.03.98
52	Opto Isolated I/p Interface	2	2892.00	12.03.98
53	Opto Isolated O/P Interface	2	2892.00	12.03.98
54	Printer Interface	2	11776.00	12.03.98
55	12 bit ADC Interface	2	7066.00	12.03.98
56	Musical Tone generator	2	1072.00	12.03.98
57	DAC for ADC Interface	1	900.00	09.10.01
58	Dual DAC inter face	2	1840.00	17.05.16
59	Stepper motor interface	2	8000.00	17.05.16

60	Traffic light interface	2	1680.00	17.05.16
61	8086/88 MP kits	1	7230.00	30-1-18
62	8086/88 MP kits	2	17063.00	15-2-18
63	8051 Micro controller	2	16520.00	30-1-18
64	8086/88 MP kits	2	14460.00	08-11-18
65	8051 Micro controller	2	14000.00	08-11-18
66	ESA MCB 2140-ED KEIL ARM-7	2	16640.00	06.02.19
67	ESA KEIL MCB 1760	1	16600.00	06.02.19
68	ESA 8086/88E MicroProcessor kit	6	44640.00	18-2-20
69	IF SC 8251/8253	2	2188.00	18-2-20
70	IF LCD	1	1138.00	18-2-20
71	IF KBD	2	2986.00	18-2-20
ELECTRONICS (ECA, PDC & LIC) - LAB				
1	30MHz μ -tech CRO's	10	140,000	06-06-2006
2	20MHz Phillips CRO's	2	31,400	14-10-2004
3	30MHz μ -tech CRO's	10	140,000	14-10-2004
4	20MHz EZ CRO's	3	54,600	14-10-2004
5	APLAB Function generators	5	22,000	16-12-1994
6	Single channel power supplies	5	9,815	24-12-1997
7	Dual channel power supplies	5	15,250	24-12-1997
8	APLAB function generators	3	19,053	26-02-1998
9	1 MHz function generators	3	25,584	21-03-2002
10	Digital Multimeters	10	18,200	22-03-2002
11	Single channel power supplies	5	9,125	24-12-1997
12	Single channel power supplies	3	4,800	01-11-1991
13	Dual channel Power supplies	4	13,508	21-08-1990
14	Dual channel Power supplies	6	13,200	01-11-1991
15	Fixed power supplies	4	6,000	01-11-1991
16	Function generators	1	2,685	04-09-1990
17	Function generators	3	12,000	26-02-1998
18	Pulse generators	4	6,000	01-11-1991
19	Single pulse generators	1	7,603	02-10-1991
20	Digital frequency counter 1-Dec	1	4,500	03-11-1991
21	5KVA servo stabilizer	1	6,500	26-07-1991
22	LCR meter	1	6,800	01-11-1991
23	Function generator	13	111,540	06-06-2006
24	3 ½ Digital Multimeter	10	13,000	06-06-2006
25	DC Dual power Supplies	5	18,000	06-06-2006

26	50MHz DSO's	2	35,970	20-07-2016
27	3MHz Function Generators (Sine & Sq- Wave)	6	37,440	20-07-2016
28	Fixed power supplies (15-0-15)V	4	6,240	20-07-2016
29	Dual channel power supplies 0-30V, 1A	4	16,640	20-07-2016
30	Single channel power supplies 0-30V, 1A	4	15,360	20-07-2016
EDC Lab-I				
1	50MHz - DSO	8	17985.00	24.05.2016
2	30MHz - CRO	11	14000.00	06.06.2006
3	Power Supply	8	4160.00	24.05.2016
4	Function Generators – 3MHz	7	6240.00	24.05.2016
DSP/COMPUTER CENTER				
1	Lenovo Think Center		8,46,000.00	10/28/2011
2	G8B71AB Hp 406 DESKTOP		12,60,000.00	8/31/2015
3	Matlab 8-5 2015b +Tools(36 users)		7,41,880.00	4/13/2016
4	Split AC's Panasonic+ setbeliser		99,000.00	8/16/2016
5	Dell vostro 3669		5,90,460.00	10/29/2011
6	3MHz function generator		51,480.00	5/1/2006
7	Spectrum analyzer		2,09,290.00	5/1/2006
8	CRO utech		1,40,000.00	5/1/2006
VLSI Lab				
1	Xilinx System Edition 13.4V Xilinx plat form Cable USB, XUP Virtex 5.Lxi 10T with cable, Atlys Spartan 6 FPGA Kit(5), XUP Virtex 5.Lxi 10T with cable(1)	1	6,75,000.00	2/10/2020
2	Mentor HEP1 Category 1-50 user Back end tools for IC Design	1	2,77,300.00	30/01/2020
EDC Lab - II				
1.	50 MHZ DSO	04	75,537.00	24.05.2016
2.	80 MHZ DSO	01	65,416.00	27.03.2004
3.	30 MHZ CRO	04	64,480.00	05.06.2007
4.	20 MHZ CRO	04	61,968.00	27.03.2004
5.	20 MHZ DUAL CRO	01	18,200.00	27.03.2004
6.	20 MHZ CRO	04	72,800.00	12.08.2001
7.	60 MHZ CRO	01	85,280.00	12.08.2001

FIRST YEAR ENGINEERING DEPARTMENT

Chemistry Laboratory			
S.No	Name of Major Equipment	Cost	Date of Purchase
1	Digital PH-meter , model 335, systronics make	5,400.20	07/02/1996
2	Digital Spectrophotometer, model 106, systronics make	21,202.74	07/02/1996
3	Digital Nepheloturbidity meter, model 132, systronics	8,261.50	19/02/1996
4	Direct Reading Conductivity meter, Digital, model 304	7,376.72	06/03/1996
5	Digital Spectrophotometer, model 166, systronics make	32,505.00	19/09/1997
6	Digital PH-meter, model MKVI, systronics make	4,276.00	30/09/1997
7	Direct reading Conductivity meter, Digital, model 306	14,611.00	07/10/1997
8	Hot air Oven 35X35X35cm,Stainless steel chamber, Sigma make	6,777.55	11/11/1997
9	Digital Nepheloturbidity meter, model 335, systronics	6,052.00	30/03/1998
10	Heating mantels, 2lts with sunvik regulator, MAK make	1,212.20	17/04/1998
11	Heating mantels, 5lts with sunvik regulator, MAK make	1,542.80	17/04/1998
12	Melting point apparatus MAK make, Zeal thermometer	1,763.20	17/04/1998
13	Magnetic stirrer with hot plate 5lts with Remi make	3,451.00	24/06/1998
14	Dissolved oxygen meter, model 312	12,562.00	27/11/2007
15	Microwave oven, Samsung, type MW73v	3,200.00	31/07/2009
16	Redwood Viscometer NO.1 (Rap-101), Aditya make	8,775.00	24/08/2009
17	Redwood Viscometer No.2 (Rap-105), Aditya make	10,800.00	24/08/2009
18	Flame Photometer, systronics make	45,884.00	28/09/2010
19	Pensky martens Apparatus, Aditya make	13,167.50	24/11/2010
20	Cloud and Pour point apparatus with case, Aditya make	6,870.00	24/11/2010
21	Visi scan spectrophotometer, Systronics make	53,686.00	27/12/2010
22	Digital conductivity meter, model 304,systronics make	10,003.00	27/12/2010
23	Digital Nepheloturbidity meter	13,582.00	27/12/2010
24	BOD incubator, Kemi make	51,525.00	24/01/2011
25	Water Bath, Kemi make	6,297.50	24/01/2011
26	Electronic Portable balance, Shimandzu	13,520.00	24/01/2011
27	Digital Colorimeter ,model 112, systronics make	14,868.00	27/12/2017
28	Digital PH- meter with electrode, model No 802, systronics make	15,332.50	27/12/2017
29	Digital Potentiometer, model 318, systronics make	14,602.00	27/12/2017
30	Digital conductivity meter with cell, model 304, systronics make	16,328.50	27/12/2017
Physics Laboratory			
1	Spectrometers(2)	25194.00	22/11/2011
2	Spectrometers(2)	24732.00	04/01/2007
3	Spectrometers(1)	11333.70	29/03/2006
4	Spectrometers(2)	22394.00	07/01/2004
5	Spectrometers(2)	15943.00	15/09/1998
6	He-Ne Laser Source(1)	16000.00	16/11/2004
7	Melde's Apparatus(3)	3186.00	19/01/2018
8	Melde's Apparatus(5)	10040.00	25/11/2016
9	Laser Experimental kit(2)	21200.00	06/03/2006
10	Laser Experimental kit(1)	13200.00	15/02/1996
11	Travelling Microscope(2)	20259.75	25/11/2016
12	Travelling Microscope(2)	20021.55	04/11/2007
13	Travelling Microscope(2)	18566.75	29/03/2006

14	Travelling Microscope(1)	9015.00	07/01/2004
15	Laser Trainer kit(Model 2023) (2)	13083.00	16/09/2004
16	Hall effect set up(1)	27456.00	06/06/2003
17	Stewart & Gee's apparatus(4)	9152.00	30/03/2011
18	Stewart & Gee's apparatus(2)	6300.00	08/02/2008
19	Stewart & Gee's apparatus(2)	5978.75	04/01/2007
20	Potentiometers(4)	3780.00	29/01/2008
21	Potentiometers(1)	1096.87	01/01/2007
22	Potentiometers(4)	7707.84	17/04/2001
23	Planck's constant apparatus(2)	11193.75	29/01/2008
24	Malus law apparatus(2)	20340.00	16/12/2010
25	Laser Transmission with audio kit(2)	25000.00	22/11/2010
26	Laser trainer model 2023(2)	32604.00	12/10/2010
27	Torsional pendulum experimental setups(5)	12537.50	07/01/2020
28	Compound pendulum (5) (5)experimental setups	9152.37	07/01/2020
29	Dielectric constant charging & discharging setups(5)	28334.75	07/01/2020
30	Fly wheel setups(5)	26078.00	07/01/2020
31	Volume resonator setups(5)	8776.25	07/01/2020
32	Thermistor characteristic training boards(5)	34854.25	07/01/2020
33	B-H curve kit(1)	18479.76	11/11/1997
34	Sonometer Complete set(6)	33038..82	14/09/2017
35	Band gap apparatus(6)	29789.10	14/09/2017
36	Band gap apparatus(2)	5250.00	22/11/2011
37	Resolving power of grating (slit graduated) (5)	9252.67	07/01/2020
38	Lee's apparatus(2)	3952.00	30/03/2011
39	Lee's apparatus(2)	1720.00	28/02/1996
English Communication Skills			
1	Computers (HP406G1) - 70	15,75,000.00	31-08-2015
2	Computers (Dell Optiplex 7020 MT) - 20	6,30,000.00	18-07-2015

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LAB-01			
S.No	Name of Major Equipment	Cost	Date of Purchase
1	DELL-Vostro-3669: Intel- core i3-7100 7th Gen-3.90GHZ/4GB DDR4 Ram/1TB 7200 RPM HDD/ Dell USB Optical Mouse/ Dell USB Keyboard/ Dell E1916HV 19" LED Monitor-4	Rs.1,24,000.00	31/05/2017
2	DELL- OPTIPLEX 7020 : INTEL CORE I3 – 4160,3MB W/HD 4400 Graphics Intel Q 87 chipset Mother Board,4GB DDR III RAM 500GB SATA HDD,Integrated Intel I217 LM Ethernet Lan 10/100/100,USB Mouse and Keyboard 18.5" WIDE LED Monitor -40	Rs.12,60,000.00	18/07/2015
3	LENOVO-THINK CENTER: Intel- core 2 duo E7500- 2.93 G-HZ/Intel G- 41 chipset/2GB DDR3 Ram/500GB SATA HDD/Gigabit LAN/18.5" Wide LED Monitor /USB Keyboard/Mouse.-1	Rs.18,900.00	24/10/2011
4	HP-DX7400: Intel- core 2 duo E7200 2.53 G-HZ/Intel Q33 chipset/1GB DDR2 Ram/160GB SATA HDD/Gigabit LAN/17" LCD Monitor /PS-2 Keyboard/Mouse/DVD- drive.-9	Rs.2,01,600.00	10/07/2008
5	BPE-3KVA ONLINE UPS-4	Rs.1,56,000.00	26/11/2018
LAB-02			
1	DELL-Vostro-3669: Intel- core i3-7100 7th Gen-3.90GHZ/4GB DDR4 Ram/1TB 7200 RPM HDD/ Dell USB Optical Mouse/ Dell USB Keyboard/ Dell E1916HV 19" LED Monitor- 4	Rs.1,24,000.00	31/05/2017
2	DELL- OPTIPLEX 7020 : INTEL CORE I3 – 4160,3MB W/HD 4400 Graphics Intel Q 87 chipset Mother Board,4GB DDR III RAM 500GB SATA HDD,Integrated Intel I217 LM Ethernet Lan 10/100/100,USB Mouse and Keyboard 18.5" WIDE LED Monitor.- 40	Rs.12,60,000.00	18/07/2015
3	HP-DX7400: Intel- core 2 duo E7200 2.53 G-HZ/Intel Q33 chipset/1GB DDR2 Ram/160GB SATA HDD/Gigabit LAN/17" LCD Monitor /PS-2 Keyboard/Mouse/DVD- drive.- 10	Rs.2,24,000.00	10/07/2008
4	BPE-3KVA ONLINE UPS APC 3KVA ON LINE UPS- 4	Rs.1,56,000.00	26/11/2018
LAB-03			
1	DELL-Vostro-3669: Intel- core i3-7100 7th Gen-3.90GHZ/4GB DDR4 Ram/1TB 7200 RPM HDD/ Dell USB Optical Mouse/ Dell USB Keyboard/ Dell E1916HV 19" LED Monitor-4	Rs.1,24,000.00	31/05/2017
2	DELL- OPTIPLEX 7020 : INTEL CORE I3 – 4160,3MB W/HD 4400 Graphics	Rs.12,60,000.00	18/07/2015

	Intel Q 87 chipset Mother Board,4GB DDR III RAM 500GB SATA HDD, Integrated Intel I217 LM Ethernet Lan 10/100/100,USB Mouse and Keyboard 18.5" WIDE LED onitor. -40		
3	HP-DX7400: Intel- core 2 duo E7200 2.53 G-HZ/Intel Q33 chipset/1GB DDR2 Ram/160GB SATA HDD/Gigabit LAN/17" LCD Monitor /PS-2 Keyboard/Mouse/DVD- drive. -10	Rs.2,24,000.00	10/07/2008
4	BPE-3KVA ONLINE UPS-1	Rs.39,000.00	26/11/2018
5	APC 3KVA ON LINE UPS-2	Rs.80,000.00	20/03/2003
6	Numeric-3KVA ON LINE UPS-1	Rs.40,000.00	11/05/2009
LAB-04			
1	LENOVO-THINK CENTER: Intel- core 2 duo E7500- 2.93 G-HZ/Intel G- 41 chipset/2GB DDR3 Ram/500GB SATA HDD/Gigabit LAN/18.5" Wide LED Monitor /USB Keyboard/Mouse. -54	Rs.10,20,600.00	24/10/2011
2	APC 3KVA ON LINE UPS-2	Rs.80,000.00	20/03/2003
3	Numeric-3KVA ON LINE UPS -1	Rs.40,000.00	11/05/2009
4	KIRLOSKAR-3KVA ON-LINE UPS-1	Rs.40,000.00	23/09/2005

DEPARTMENT OF INFORMATION TECHNOLOGY

LAB-1			
S.No	Name of Major Equipment	Cost	Date of Purchase
1	DELL- OPTIPLEX 7020 : INTEL CORE I3 – 4160,3MB W/HD 4400 Graphics Intel Q 87 chipset Mother Board,4GB DDR III RAM 500GB SATA HDD, Integrated Intel I217 LM Ethernet Lan 10/100/100,USB Mouse and Keyboard 18.5” WIDE LED Monitor- 60	Rs.18,90,000.00	18/07/2015
2	HP-DX7400: Intel- core 2 duo E7200 2.53 G-HZ/Intel Q33 chipset/1GB DDR2 Ram/160GB SATA HDD/Gigabit LAN/17” LCD Monitor /PS-2 Keyboard/Mouse/DVD- drive - 2	Rs. 44,800.00	10/07/2008
3	HP-DX-2300 Intel Pentium-D 925processor3.2GHz/512MB DDR2 SDRAM 667MHz/2x2MB L2Cache/946GZexpress chipset family / 1seral, 1 parallel, 8USB / 160 GB serial ATA. 3.0GB HDD 7200Rpm / integrated 10/100 Ethernet Card. standard windows KBD / Optical scroll ps/2 Mousie.52x cd rom / 17” TFT monitor- 2	Rs. 45,800.00	10/07/2007
4	Aarbee 3KVA UPS - 3	39,560.00	10-08-2008
5	Eaton 3 KVA UPS - 3	Rs.1,03,500.00	11-10-2012
LAB-2			
1	DELL-Vostro-3669: Intel- core i3-7100 7th Gen-3.90GHZ/4GB DDR4 Ram/1TB 7200 RPM HDD/ Dell USB Optical Mouse/ Dell USB Keyboard/ Dell E1916HV 19" LED Monitor - 61	Rs.18,91,000.00	31/05/2017
2	LENOVO-THINK CENTER: Intel- core 2 duo E7500- 2.93 G-HZ/Intel G- 41 chipset/2GB DDR3 Ram/500GB SATA HDD/Gigabit LAN/18.5” Wide LED Monitor /USB Keyboard/Mouse - 2	Rs. 37,800.00	24/10/2011
3	HP-DX-7400: Intel- core 2 duo E7200 2.53 G-HZ/Intel Q33 chipset/1GB DDR2 Ram/160GB SATA HDD/Gigabit LAN/17” LCD Monitor /PS-2 Keyboard/Mouse/DVD- drive. - 2	Rs.44,800.00	10/07/2008
4	HP-DX-2300 Intel Pentium-D 925processor3.2GHz/512MB DDR2 SDRAM 667MHz/2x2MB L2Cache/946GZexpress chipset family / 1seral, 1 parallel, 8USB / 160 GB serial ATA. 3.0GB HDD 7200Rpm / integrated 10/100 Ethernet Card. standard windows KBD / Optical scroll ps/2 Mousie.52x cd rom / 17” TFT monitor - 1	Rs. 22,900.00	10/07/2007
5	ARRBEE - 6 KVA ONLINE UPS - 1	Rs. 54,380.00	12-09-2007
6	NUMERIC - 6KVA ONLINE UPS - 1	Rs. 27,450.00	26/11/2008

LAB-3			
1	HP-DX7400: Intel- core 2 duo E7200 2.53 G-HZ/Intel Q33 chipset/1GB DDR2 Ram/160GB SATA HDD/Gigabit LAN/17" LCD Monitor /PS-2 Keyboard/Mouse/DVD- drive - 60	Rs.13,44,000.00	10/07/2008
2	HP-DX-2300 Intel Pentium-D 925processor3.2GHz/512MB DDR2 SDRAM 667MHz/2x2MB L2Cache/946GZexpress chipset family / 1seral, 1 parallel, 8USB / 160 GB serial ATA. 3.0GB HDD 7200Rpm / integrated 10/100 Ethernet Card. standard windows KBD / Optical scroll ps/2 Mouise.52x cd rom / 17" TFT monitor - 17	Rs. 3,89,300.00	10/07/2007
LAB-4			
1	HP-DX-2300 Intel Pentium-D 925processor3.2GHz/512MB DDR2 SDRAM 667MHz/2x2MB L2Cache/946GZexpress chipset family / 1seral, 1 parallel, 8USB / 160 GB serial ATA. 3.0GB HDD 7200Rpm / integrated 10/100 Ethernet Card. standard windows KBD / Optical scroll ps/2 Mouise.52x cd rom / 17" TFT monitor - 21	Rs. 4,80,900.00	10/07/2007

Department of Electrical and Electronics Engineering

Control Systems Lab			
S.No	Name of the major Equipment	Cost	Date of Purchase
1	Linear System Simulator(Techno)	7850.00	2/2/1998
2	DC Position Control System(Techno)	14517.00	2/2/1998
3	Magnetic Amplifier(pragna)	12376.00	10/2/2003
4	DC Servo set(Adtron)	11900.00	4/3/1998
5	AC Synchro transmitter and receiver Kit(Adtron)	20000.00	4/3/1998
6	AC Servo Motor Kit(Adtron)	11900.00	15/4/98
7	Relay Control Systems (Techno)	11239.00	23/10/2006
8	PID Controller(Techno)	10792.00	2/2/1998
9	PLC Trainer Model(kuruganti)	14165.55	8/5/2006
10	Temperature measurement using RTD(kuruganti)	3328.00	21/06/2006
DEMP LAORATORY			
1	Universal Ic Tester	25312.00	4/16/2016
2	Stepper Motor Interface With Adaptor	3840.00	13/02/2020
3.	Phy -450 Digital Logic Trainer Kits	5775.00	3/31/2016
Electronics Circuits and Devices			
1	Function Generators (05 No's)	26000.00	20/06/2006
2	Dual Regulated Power Supply's(12 No's)	48672.00	20/06/2006
3	Decade Capacitance Box(05 No's)	8725.00	04/03/2006
4	Digital Multimeters	20280.00	02/03/2006
5	Cathode Ray Oscilloscope	174720.00	20/06/2006
6	Decade Resistance Box	5720.00	20/06/2006
7	Decade Inductance Box	9880.00	20/06/2006
Electrical Machines Lab-I			
1	2.2KW, D.C. shunt motor with mechanical loading	37168.36	1/5/1995
2	5H.P,2.2KVA D.C Compound motor + DC shunt generator set	33675.64	1/5/1995
3	2.2KW,Identical D.C. shunt machines-Set	33010.36	1/5/1995
4	3HP,415V, synchronous motor	17793.7	1/5/1995
5	7.5HP-5 KVA compound Motor- Alternator set	39932.51	1/5/1995
6	5HP-3KVA compound Motor- Alternator set	35421.08	1/5/1995
7	Slip ring Induction motor,5HP; with mechanical loading	20641.93	1/5/1995
8	5HP Squirrel cage Induction motor with mechanical loading	14398	1/5/1995
9	2KVA,230/115V,Single phase transformer	17325	1/5/1995
10	3KW DC shunt motor +3KW DC shunt generator	35987.2	3/2/1998
11	5HP DC series motor + 3KW DC compound motor	37153.63	3/2/1998
12	5HP DC shunt motor + 3KW DC series generator	36795.6	3/2/1998
13	5HP Slip ring Induction motor with Brake drum arrangement	23772.74	3/2/1998
14	5H.P.Squirrel cage Induction motor with brake drum arrangement	15332.02	3/2/1998
15	5KVA,440/220V, Three phase transformer	14826	28/10/1998

16	1-ph Transformers(400/230V, 2KVA)	41562	18/02/2003
17	3-ph , 4115V, Squirrelcage induction motor (Benn)	11184	27/06/2003
18	3ph-Slipring Induction motor+D.C. Motor (Benn)	47456	27/06/2003
19	Synchronous motor coupled to DC shunt motor(Elmo)	20350	10/12/2003
20	TURBO - 2000	39600	10/12/2003
21	Dc motor coupled with salient pole alternator	61246	8/6/2006
Networks Lab			
1	20MHz Dual trace oscilloscope	47,100.00	15/5/1997
2	DC R.P.S (Single channel, 0-30V, 2A)	11,485.00	2/2/1998
3	DC R.P.S. (Dual channel, 0-30V, 2A)	16,464.00	2/2/1998
4	1MHz Function generators	16,722.00	15/4/1998
5	Auto transformers (0-270v, 8Amp)	6,900.00	19/3/1998
6	Oil test kit	15,750.00	21/02/2006
7	Digital CRO	17,500.00	21/03/2013
8	Function Generators	17700.00	21/03/2013
9	Servo controlled Voltage stabilizer (10.0KVA)	15,000.00	2/2/1998
10	Digital LCR meter	5,408.00	15/4/1998
11	3-phase loading rheostats 10A	25500.00	21/03/2013
Power Electronics Lab			
1	AC Voltage Controller- 21 MR	9866.00	11-02-1998
2	Parallel Inverter - 18MR	10148.00	11-02-1998
3	Series Inverter - 19MR	9866.00	11-02-1998
4	Universal Moter -12MR	9866.00	11-02-1998
5	SCR Converter & Reactive Loads -5/6 MR	10148.00	11-02-1998
6	Stepper Mottor - 23MR	12026.00	11-02-1998
7	SCR Controlled Voltage Stablizer	15000.00	21/02/1988
8	3 Phase Full wave & Half wave controlled rectifier	15922.00	11/03/1998
9	Single phase cycloconverter with firing circuit	11347.00	11/03/1998
10	Mosfet chopper input with firing circuit	8290.00	11/03/1998
11	SCR Chopper with Firing circuit	7410.00	11/03/1998
12	DC Variable supply 0-30V, 2A Dual	20584.00	11/03/1998
13	I Mhz Function Generators	11148.00	25/4/1998
14	20 Mhz Dual Trace Oscuilloscope	47100.00	25/4/1998
15	Digital Multi meters	13476.00	30/4/1998
16	Single phase Auto transformer 10A, 0-270v	14227.00	18/5/1998
17	True RMS Multimeter	34800.00	30/3/2002
18	Three Phase Isolation transformer 440v, 5A	22407.00	30/3/2002
19	Single Phase Isolation transformer 230v,5A	17701.00	30/3/2002
20	Differential Module	27600.00	30/3/2002
21	Integrated Thyristor Controller ITC 08	25373.00	30/3/2002
22	Driver ckt for IGBT'S & MOSFET'S	4040.00	30/3/2002
23	Development Kit	37902.00	30/3/2002
24	Three Phase Dimmerstat	19845.00	30/5/2002
25	Differential Module	19136.00	09/12/2002
26	Integrated Thyristor Controller ITC 08	26318.00	09/12/2002
27	20Mhz,Dual Trace Oscilloscope.	81120.00	12/04/2003

28	Digital Storage Oscilloscopes	56652.00	26/05/2016
29	PWM Inverter	19500.00	24/01/2020
30	Rheostat 100Ω/2A	2000.00	24/01/2020
31	Single phase AC Voltage Controller – 230V/5A Single phase isolation transformer 230V/5A with tapping	26,500.00	24/01/2020
32	R&RC Firing Circuits,UJT Firing Circuits Single Phase Converter firing Circuit	12,500.00	24/01/2020
33	Square wave bridge inverter,DC power supply 0-30V/2A,Rheostat 100Ω/2A	25,500.00	24/01/2020
34	Buck Boost Converter,DC Power supply unit – 30V@ 2A,Rheostat - 200Ω / 2A	18,000.00	24/01/2020
Power System Simulation Lab & Power System Automation Lab			
1	<u>HP COMPAQ DX 2300</u> Pentium® D 3.2 GHz Processor/512 MB DDR2 SDRAM with 667 MHz/2MB L2 Cache/946 GZ Express Chipset family/6 USB 2.0 / 160 GB HDD / 10/100 Ethernet Card / 101 KBD / PS/2 / 52x CD-ROM Drive / 17 inches TFT LCD Color Monitor	22,900.00 (1)	28-7-2007
2	<u>HP COMPAQ DX 7400</u> Intel (R) core (TM) 2, Duo CPU E4600@ 2.40 GHz, DDR2 800 MHz 1GB Ram, SATA Hard disk 160GB, TSST Corp DVD Ram, L17 TFT Monitor, USB Mouse, PS/2 Key Board, 1GB Ethernet card, 6 USB 2.0	22,400 (35 No's)	23-08-2008
3	<u>HCL</u> Core 2 Duo E 7500 CPU 2.93GHZ, 2 GB RAM, 320 GB HDD, 22XSATA DVD Writer with ACCESSORIES	19,758.00 (20 No's)	15-02-2011
4	<u>LENOVO</u> Core 2, Duo E7500 CPU 2.93 GHz, 2 GB RAM, 450 GB Hard Disk wirh out Optical Drive and With All standard accessories.	18,900 (14 No's)	28-10-2011
5	<u>HP: Model -HP406 G1 MT</u> Intel core I3-4160-3.6GHz 3MB W/HD 4400 Graphics Intel Q87 chipset Mother Board 4GB DDR 111RAM(1600M-Gz) 500GB SATA HDD, Realtek Ethernet LAN 10/100/100 Usb Mouse and Keyboard, 18.5" Wide LED Monitor	31,500.00 (40 No's)	08-09-2015

DEPARTMENT OF CIVIL ENGINEERING

COMPUTER CENTRE			
S.No	Name of Major Equipment	Cost	Date of purchase
1	HP 406 G Desktops	1102500	31-08-2015
2	Dell Lap Top	27500	13-01-2016
3	LCD Projector	34287.5	28-01-2016
4	Ahuja AMP with USB	15572	28-01-2016
5	CATB Patch Panel	11550.1	12-04-2016
6	Lap Top HP Core	27000	12-04-2016
7	Dell Vostro Desktops	123999	31-05-2017
8	ARVEX 8GB DDR3 & 4 Rams	79400	11-12-2018
CONCRETE LAB			
1	Veebee consistometer	21420	19-06-2012
2	Compaction factor apparatus	16065	19-06-2012
3	Cylinder mould 150x300 mm	14994	19-06-2012
4	Beam mould 100x100x500 mm	18742.5	19-06-2012
5	Flexture testing machine	33915	19-06-2012
6	Mechanical Weighing machine	14000	09-02-2016
7	Needle Vibrator	24000	12-02-2016
8	Compression Testing Machine	423037.65	25-06-2016
9	Sound ness of cement	14750	27-07-2019
ENVIRONMENTAL ENGINEERING LAB			
1	Electrical Balance With Stabilizer	27850	22-10-2013
2	Digital Conductivity Meter	11500	18-11-2013
3	Digital Nephelo-Turbidity Meter	17900	18-11-2013
4	Dissolved Oxygen Meter	27200	22-11-2013
5	C.O.D Digester	18000	22-11-2013
6	Spectrophotometer	1,12,0000	02-02-2016
7	Ion Selectivity meter with Electrode	2,00,000	15-03-2017
8	Glass Ware for volumetric analysis	1,63,000	13-11-2015
GEO-TECHNICAL ENGINEERING LAB			
1	Permeability Apparatus	20475	29-08-2011
2	Hot Air Oven	14040	12-09-2011
3	Direct Shear Apparatus	78217.65	26-03-2012
4	Tri Axial Apparatus	167649.3	26-03-2012
5	Relative Density Apparatus	94010.7	26-03-2012
6	Unconfined Compression Test	54855.15	26-03-2012
7	Vane Shear Apparatus	19624.5	03-05-2012
8	California Bearing Ratio Test Appratus	137000	25-05-2016
SURVEYING LAB			
1	Theodolites	202,800	19-01-2011
2	Pentax Total Stations	3,17,200	03-02-2011
3	Pentax Total Station	5,00,000	30-04-2017
4	DGPS	12,30,000	19-11-2016
TRANSPORTATION ENGINEERING LAB			
1	Ductility testing apparatus	65005.5	14-09-2012
2	Ring and ball apparatus	13431.6	14-09-2012
3	Flash & fire point	21525	14-09-2012
4	Tar viscometer	18081	08-10-2012
5	Deval's abrasion testing machine	65866.5	08-10-2012

