

CRITERIA- 4

INFRASTRUCTURE AND LEARNING RESOURCES KEY

INDICATOR- 4.1

Physical Facilities

METRIC NO.-4.1.1

The Institution has adequate infrastructure and other facilities for a. teaching – learning, viz., classrooms, laboratories, computing equipment etc

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Sr. No.	Particulars	Page No.
1	Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution.	2
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Criteria 4- INFRASTRUCTURE AND LEARNING RESOURCES

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9	ICT Facilities
10	Sport ,Gymkhana and Yoga centre
11	Physical facilities

Building Plan Building Plan

CAMPUS LAYOUT



Block 1 - A	
Ground Floor	Principal Cabin, Office
First Floor	Computer Department
Second Floor	Library
Third Floor	E&TC Department
Block 1 - B	
Ground Floor	Civil Department, Seminar Hall
First Floor	S&H Department
Second Floor	Civil Department Labs
Third Floor	E&TC Department Labs

Floor Details

Sr.No	Room No.	Room TypeMention Classroom/Laboratory/ Toilet etc.	Carpetarea (in m ²)
A.	ADMINISTRATIVE AREA :		
1		Reception + Waiting	32.9
2		Entrance Lobby	17.19
3	3W0-1	Entrance Lobby	47.9
4	5B0-20	Entrance Lobby	36.77
5	1A1-3	Exam Control Office	34.96
6	1A0-3	Training & Placement Office	57.66
7	1A0-7	Principal cabin	33.98
8	1A0-9	Board Room (with attached Toilet)	20
9	1A0-10	Waiting Area	9.87
9	1B0-17	Waiting Area	10.66
10	1A1-2	Server Room	40.08
11	1B0-15	H.O.D. Cabin-1	16.09
12	1B2-12	NSS Room	10.94
13	1A3-13	H.O.D. Cabin-5	10.75
14	5B0-1	Diploma Dean	10.74
15	1B3-10	H.O.D. Cabin	10.59

16	5A0-1	H.O.D. Cabin	10.28
17	1A1-10	H.O.D. Cabin	20.73
18	3W0-2	Workshop Superintend	15.17
19	1B0-13	Department Office-1	29.48
20	1A3-12	Department Office-3	22.5
21	5B0-4	H.O.D. Cabin	23.77
22	5A0-3	Department Office	24.02
23	1B1-12	Department Office	20.31
24	1A0-2	Central Store	34.44
25	1B0-9	Maintenance	10.02
26	1A0-6	Security	10.15
27	1A0-18	Housekeeping	10.12
28	1A0-4	Electrical Panel Room	22.96
29	1A0-19	Xerox Centre	8.32
30	5A0-11	Room	10.87
31	1A0-13	Store	4.11
32	5A0-16	Store	10.11
33	5A1-9	Store	3.09
34	5A1-6	Store	3.09
35	5B0-14	Room	9.76

36	5B0-16	Room	3.09
37	5A1-8	Room	10.87
38	5B0-9	Store Room	10.1
39	1A0-14	Pantry-1	13.05
40	1B0-16	Pantry-2	9.44
41	1A0-11	Office-1	47.68
42	1A0-12	Office-2	28.84
43	1A0-3	Office-3	76.13
44	1A0-3	Office-3	30
	1B0-4	Faculty Room	5.44
	1B1-2	Faculty Room	5.7
	1B1-9	Faculty Room	5.34
	1B3-11	Faculty Room	10.94
	1B1-12	Faculty Room	33.18
	1B1-8	Faculty Room	21.02
	1B1-15	Faculty Room	16.92
	1A3-5	Faculty Room	20.12
	1A3-7	Faculty Room	15.15
	1A3-11	Faculty Room	5.67
	5A0-14	Faculty Room	5

	5A0-15	Faculty Room	5
	5A0-17	Faculty Room	5
	5A1-11	Faculty Room	5
	5A1-12	Faculty Room	7
	5A1-13	Faculty Room	5
	5B0-6	Faculty Room	17.06
	1B3-5	Faculty Room	5.65
	3W0-2	Faculty Room	15.17
	Total		1139.95
B	INSTRUCTIONAL AREA :		
46	1A0-20	Classroom	100.62
47	1A1-1	Classroom	100.62
48	1A1-12	Classroom	78.53
49	1A1-13	Classroom	75.78
50	1A2-7	Classroom	79.24

51	1A2-8	Classroom	76.46
52	1A2-1	Classroom	100.62
53	1A3-15	Classroom	79.24
54	1A3-16	Classroom	76.46
55	1A3-1	Classroom	100.62
59	5A1-2	Classroom	79.93
60	5A1-3	Classroom	67.72
61	5B0-5	Classroom	76.31
62	5B0-8	Classroom	68.64
63	5B0-10	Classroom	68.72
64	5B0-11	Classroom	68.15
65	5B0-19	Classroom	67.72
	5A1-12	Laboratory	68.72
	1B2-10	Laboratory	74.08
	1B3-8	Laboratory	74.08
66	1B0-3	Laboratory	66.98
67	1B0-12	Laboratory	66
68	1B0-11	Laboratory	66.09
69	1B0-10	Laboratory	66.1
70	1A1-4	Laboratory	66.54

71	1A1-6	Laboratory	67.07
72	1A1-7	Laboratory	73.53
73	1B1-1	Laboratory	67.64
74	1B1-3	Laboratory	66.66
75	1B1-4,5	Laboratory	100.91
76	1B1-7	Laboratory	112.17
77	1B2-3	Laboratory	66.44
78	1B2-4	Laboratory	66.63
79	1B2-5	Laboratory	67.85
80	1B2-6	Laboratory	76.6
81	1A3-4	Laboratory	67.84
82	1A3-6	Laboratory	67.22
83	1A3-8	Laboratory	66.24
84	1A3-9	Laboratory	68.06
85	1A3-10	Laboratory	70.63
86	1B3-4	Laboratory	67.85
87	1B3-6	Laboratory	70.36
88	1B3-3	Laboratory	66.44
89	1B3-3A	Laboratory	66.63
90	3W0-5	Laboratory	101.6

91	3W0-8	Laboratory	92.71
92	5A0-10	Laboratory	66.59
93	5A0-6	Laboratory	68.51
94	5A0-17	Laboratory	66.17
95	5A0-15	Laboratory	68.62
96	5A0-14	Laboratory	68.14
97	5A1-7	Laboratory	66.59
98	5A1-11	Laboratory	68.14
99	5A1-12	Laboratory	68.62
100	5A1-13	Laboratory	66.57
101	1B1-13	Laboratory	115.27
102	5B0-6	Laboratory	66.33
103	5B0-15	Laboratory	67.08
104	1B3-7	Laboratory	57.01
105	3W0-13A	Laboratory	66
106	5B0-7	Laboratory	68.24
107	1B0-7	Seminar Hall-1	132.76
108	1B3-1	Seminar Hall-3	132.83
109	1A1-9	Tutorial Room	37.04

110	1B2-9	Tutorial Room	57.01
111	5A1-1	Tutorial Room	33.28
112	1A3-2,3	Tutorial Room	40.07
113	1A1-5	Drawing Hall	134.9
114	1A2-3	Library	407.40.
115	1A0-5	Computer Centre	155.25
116	3W0-4,6,7,13	Workshop	485.19
Total			6148.38
C	AMENITIES AREA		
117	1A0-16	Gents Toilet	18.53
118	1A0-17	Toilet Passage	9.55
119	1A0-15	Ladies Toilet	10.92
120	1A0-8	Rest room + toilet	7.64
121	1B0-8	Ladies Toilet	28.83
122	1B0-19	H.O.D.-1 Toilet	2.98
123	1B0-14	Dept. Office-1 Toilet	3.29
124	1A1-11	Toilet	2.64
125	1B1-6	Gents Toilet	29.23
126	1A2-6	Girl's Toilet	23.31

127	1B2-2	Gents Toilet	29.25
128	1B2-15	Ladies Staff Toilet	3.34
129	1B2-14	Gents Staff Toilet	10.62
130	1A3-14	Girl's Toilet	23.31
131	1B3-2	Gents Toilet	29.25
132	1B3-12	Ladies Staff Toilet	5.66
133	1B3-13	Gents Staff Toilet	13.22
134	3W0-11	Ladies Toilet (Workshop)	22.87
135	3W0-10	Gents Toilet (Workshop)	20.44
136	5A0-2	Toilet	3.79
137	5A0-4	Toilet	2.73
138	5A0-7	Gents Toilet	11.4
139	5A0-8	H/C W/C	2.68
140	5A0-13	Ladies Toilet	11.4
141	5A0-12	H/C W/C	2.68
142	5A1-4	Gents Toilet	11.4
143	5A1-5	H/C W/C	2.68
144	5A1-10	Ladies Toilet	11.4
145	5A1-9	H/C W/C	2.68

146	5B0-2	Toilet	2.2
147	5B0-3	Toilet	3.83
148	5B0-12	Ladies Toilet	11.4
149	5B0-13	PH Ladies Toilet	2.68
150	5B0-17	PH Gents Toilet	2.68
151	5B0-18	Gents Toilet	11.4
152	1B2-13	First Aid cum sick room	10.59
153	A2-4,5	Girl's Common Room	37.04
154	B0-5,6	Girl's Common Room	43.9
155	1B2-1	Gymnasium	57.83
156	1B2-1	Boy's Common Room	75
157	3W0-3	Cafeteria	150.14
158	1A2-2	Stationary Store & Reprography	21.7
159	1B0-2	Gymkhana / Sports room	31.8
			819.19
CARPET AREA (SQ.M.)(excluding circulation area)			8108.24

D.	CIRCULATION AREA :	
1A0-21	Circulation Space	243.84
1B0-18	Circulation Space	153.64
1A1-14	Circulation Space	298.94
1B1-14	Circulation Space	172.05
1A2-9	Circulation Space	292.91
1B2-16	Circulation Space	170.41
1A3-17	Circulation Space	292.91
1B3-14	Circulation Space	165.49
3W0-12	Circulation Space	107.26
1A0-22	LIFT -1	5.2
1B0-20	LIFT -2	3.61
5A0-19	LIFT -1	5.2
5A0-18	Circulation Space	227.65
5A1-19	Circulation Space	234.8
5B0-21	Circulation Space	243.14
TOTAL CIRCULATION AREA [II]		
TOTAL CARPET AREA INCLUDING CIRCULATION AREA (SQ.M.) 10725.29		

List of Class Room

Sr.No.	Class Room No.	Area in sq.feet
1	1A0-20	100.62
2	1A1-1	100.62
3	1A1-12	78.53
4	1A1-13	75.78
6	1A2-7	79.24
7	1A2-8	76.46
8	1A2-1	100.62
9	1A3-15	79.24
10	1A3-16	76.46
11	1A3-1	100.62
12	5A0-5	70.08
13	5A1-2	79.93
14	5A1-3	67.72
15	5B0-5	76.31
16	5B0-8	68.64
17	5B0-10	68.72
18	5B0-11	68.15
19	5B0-19	67.72

Laboratory Equipment-Department of Civil Engineering

Sr No.	Name Of Lab	Name of equipment	Count
1	1.Strength of Materials	Computerized universal testing Machine	1
2		Electronic Extensometer model: FEE-5	1
3		Small dobbble shear Test attachment with 5 sets of Bushes	1
4		Set of Foundation Bolt	1
5		Spares for UTM (Hydraulic Oil)	1
6		Pendulum Impact Testing Machine	1
7		Digital Balance	1
8		Computer	1
9		UPS	1
1		Dot matrix Printer	1
11		Digital Torsion testing Machine	1
1	2.Surveying	Roller type Digital Plainmeter	2
2		Dumpy level	4
3		Prasmatic compass with tripod	4
4		Surveyors compass	4
5		Mechanical plani meter	1
6		Tape (30 m)	6
7		Tape (15m)	6
8		Ranging rod	12
9		Theodeolite micro optic	2
10		Arrows	20
11		Aluminium stave	4
12		plump bob	6
13		Cross staff	6
14		Pentex total station	1
15		Plane Table	2
16		Substance bar(3 m)	2

17		Mirror Stereoscope with Binocular Eyepice	1
18		Aerial Photograph (Black & White)	1
19		Aerial Photograph(Colour)	1
20		Measuring Chain(30 m)	1
21		Vernier Theodolite	1
22		LYNX Abney Level With Case Doubl Draw	1
23		LYNX Hand Level	1
24		Nautical Sextant	1
25		LYNX Automatic Level with stand	1
26		LYNX CeyloneGhat Tracer	1
27		LYNX TL-9 Tilting Level	1
28		LYNX Tangent Clinometer Compass	1
29		LYNX Box Sextant	1
30		LYNX Ranging Rod	12

Sr No.	Name Of Lab	Name of equipment	Count
1	3.Applied Mechanics	Polygon f Forces Apparatus	2
2		Parallelogram of Forces Apparatus	1
3		Simple Jib Crane	2
4		Parallel Forces Apparatus	2
5		Fletcher Trolley	2
6		Bell Cran klever	2
7		Universal force Table	1
8		Stop Watch	1
9		Slotted Weight Hanger(Iron)	6
10		Slotted Weight Nickel Hanger	12
11		Measuring Scale	2
12		Diffrential axle and wheel	1
13		Single Purchase Crab	1
14		Differential Pulley block	1
15		Simple screw Jack	1
16		Universal force table	1
17		Inclined plane	1
18		Single Purchase Crab	1
19		Differential Pulley block	1
20		Simple screw Jack	1
21		Universal force table	1

Sr No.	Name Of Lab	Name of equipment	Count
1	4.Concrete Technology	Beam Moulds	
2		a.100mmx100mmx500mm	12
3		b.150mmx150mmx700mm	12
4		Tamping Rod	2
5		Trowel	3
6		Length Gauge	1
7		Thickness Gauge	
8		Density basket	3
9		Cylindrical metal measures	
10		15 ltr. Capacity	1
11		10 ltr. Capacity	1
12		3 ltr. Capacity	1
13		1 ltr. Capacity	1
14		0.5 ltr. Capacity	1
15		Standard test sieves : 20 cm dia	1 SET
		Standard test sieves 30 cm dia(G.I.Frame)	1 SET
17		Slump test apparatus	1
18		Concrete Test Hammer(Rebound Hammer)	1
19		Cube moulds	
20		150x150x150mm	12
21		70.6x70.6x70.6mm	12
22		Cylindrical moulds - 150mm Diax300 mm height	9
23		Digitalbalance	1
24		Vicat apparatus	
25		LeChatlier apparatus	2
26		Gauging Trowel	3

Sr No.	Name Of Lab	Name of equipment	Count
1	5.Geotechnical Lab	Sand Replacement Method	1
2		Constant head permeameter & Variable head permeameter with all accessories	1
3		Triaxial test apparatus.	1
4		One dimensional consolidation test apparatus.	1
5		Pycnometer (glass jar).	1
6		Glass Rod	1
7		Casagrande's liquid limits apparatus, Casagrande grooving tools, ASTM grooving tool	1
7			
8		Plastic Limit Apparatus	1
9		Standard proctor test apparatus.	1
10		Hot Air Oven, Temp Range 5 ⁰ C to 250 ⁰ C. Size of inner chamber 450 x 450 x 450 mm	1
11		Shrinkage limit	1
12		Field density test by core cutter.	1
13		Direct shear test apparatus.	1
14		Unconfined compression test apparatus.	1
15		California bearing Ratio test apparatus with all accessories	1
16	Vane shear test with all accessories	1	

Sr No.	Name Of Lab	Name of equipment	Count
1	6.Transportation Engineering	IS sieves 30Cm Dia GI Frame in mm-50,31.5,25,6.3, 2.36,1.70 and Pan	1
2		Aggregate Impact value Apparatus	1
3		Crushing Strength of Aggregate mould	1
4		Los Angeles Abrasion Testing Machine with accessories	1
5		Penetration Test Apparatus (Bitumen)	1
6		Ring and ball apparatus for Softening Point Test (Bitumen)	1
7		Flash and Fire point test (Bitumen) Pensky-Marten open tester with accessories	1
8		Ductility testing machine(Bitumen)	1
9		Viscosity test Apparatus (Tar)	1
1	7.Engg Geology 8.Building Construction	Grillage Foundation Model	1
2		Foundation Model (mb10302)	1
3		Pile Driving Mashine Model (mb10305)	1
4		Steel Sheet Pile (mb10306 A)	1
5		Screw Pile (mb10306 B)	1
6		Timber Pile (mb10306 C)	1
7		Wing Wall Model (mb10307)	1
8		Pneumatic Caission (mb103010)	1
9		Model of Bricks (mb103015)	1
10		Bricks Layers of Scaffolding (mb103020)	1
11		Raking Shore (mb103025)	1
12		Flying Shore (mb103026)	1
13		Centring of Arch (mb103026)	1

Sr No.	Name Of Lab	Name of equipment	Count
1	9.CAD Lab	Computer	20
2		UPS	20
3		Switch	1
4		LCD Projector	1

Sr No.	Name Of Lab	Name of equipment	Count
1	10.Environmental Engineering	Digital Turbidity Meter	1
2		DO Meter	1
3		Autoclave incubater	1
4		Digital PH Meter	5
5		Jar Test Apparatus	1
6		Conductivity Meter	1
7		B.O.D. Incubator	1
8		Spectro Photometer, Digital 1 nm wavelength resolution	1
9		Distilled water plant	1
10		COD Hot plate, COD Assembly, COD reactor	1
11		Direct shear test apparatus.	1
12		Unconfined compression test apparatus.	1
13		California bearing Ratio test apparatus with all accessories	1
14		Vane shear test with all accessories	1
15		Digital Turbidity Meter	1

Laboratory Equipment-Department of Computer Engineering

Sr No.	Name Of Lab	Name of equipment	Count
1	1.Multi Media Lab	PC	21
2		Switch	1

Sr No.	Name Of Lab	Name of equipment	Count
1	2.Network Lab	PC	21
2		Switch	1
3		Projector	1

Sr No.	Name Of Lab	Name of equipment	Count
1	3.Project Lab	PC	21
2		Switch	1
3		Printer	1

Sr No.	Name Of Lab	Name of equipment	Count
1	4.DataBase Lab	PC	22
2		Switch	1
3		Printer	1

Sr No.	Name Of Lab	Name of equipment	Count
1	5. Foss Lab	PC	22
2		Switch	1
3		Printer	1

Sr No.	Name Of Lab	Name of equipment	Count
1	6.Programming Lab	PC	22
2		Switch	1
3		Printer	1

Sr No.	Name Of Lab	Name of equipment	Count
1	7.Capgemini Lab	PC	80
2		Switch	3
3		Projector	2

Laboratory Equipment-Department of Electronics & Telecommunication Engineering

Sr. No.	Name of laboratory	Name of Equipment	Qty
1	1.Advanced Communication Systems	3 GHz spectrum analyzer	1
2		30 MHz CRO Dual Trace	1
3		100 MHz DSO	1
4		Antenna Trainer Kit with Radiation Pattern Software	1
5		Radar Trainer	1
6		Microwave Test Bench (Klystron Based)	1
7		Microwave Test Bench (Gunn Diode Based)	1
8		Microwave Test Bench Accessories(Active) MT-Advance	1
9		Microwave Test Bench Accessories(Passive) MT-Passive	2
10		Pattern Generator	1
11		Color TV Trainer	1
12		Understanding PA system	1
13		Understanding DVD/CD system	1
14		Understanding DTH system	1
15		Understanding LED system	1
16		ISDN Trainer	1
17		GSM Mobile Phone Trainer Kit	1
18		Hi-Fi Amplifier & Graphic Equilizer	1
19		Digital Multimeter	1
20		4G Mobile Trainer	1
21		GSM Mobile Phone Trainer Kit	1

Sr. No.	Name of laboratory	Name of Equipment	Qty
1	2.Communication System	Amplitude Modulation Kit	2
2		PAM,PWM,PCM Kit	2
3		AM Receiver Kit	1
4		Frequency Modulation Kit	2
5		Phase Modulation Kit	2
6		SSB & DSB Modulation Kit	2
7		30MHz Cathode Ray Oscilloscope Dual Trace	2
8		30MHz Cathode Ray Oscilloscope Dual Trace	5
9		3 MHz Function Generator	5
10		Power Supply Unit	4
11		Digital Multimeter	3
12		500 MHz Spectrum Analyser	1
13		200 MHz Digital Storage Oscilloscope	1
14		To Study Sampling &Reconctruction	1
15		To study PAM TDM Multiplexing &Demultiplexing	1
16		100MHz digital storage oscilloscope	2
17		Digital Multimeter	1
18		CDS Project Board	2
19		UPS 600 VA Power Safe	1
20		Experimental kit of DM Transmitter &Recevier	1
21		Experimental kit of ADM Transmitter &Recevier	1
22		Experimental kit of FSK Transmitter &Recevier	1
23		Experimental kit of PSK Transmitter &Recevier	1

24		PCM using A & u Companding	1
25		Experimental kit of CVSD	1
26		Experimental kit of ASK Transmitter &Receiver	1
27		Experimental kit of QPSK Transmitter &Receiver	1
28		Experimental kit of Measurement of Bit error rate	1
29		Experimental kit to study Hamming Code	1
30		Experimental kit to study generation of cyclic code	1
31		Study of Eye diagram using Oscilloscope	1
32		Experimental kit of PCM-TDM Transmitter &Receiver	1
33		Data Condition & Recondition	1
34		Experimental kit of DPCM Transmitter &Receiver	1
		Experimental kit of ADPCM Transmitter &Receiver	
35		DSO X-2022A Agilend/Keysight 200MHz Digital Storage Oscilloscope	2
36		Sweep Generator	1
37		100MHz Digital Storage Oscilloscope	1
38		QAM Modulation and Demodulation Kit	1

39		FDM Multiplexing and Demultiplexing	1
40		PN Sequence for CDMA-DSSS	1
41		FHSS Modulation and Demodulation	1
42		To Study of V-I Characteristics of Optical Transmitter & Detector	1
43		To Study Frequency Response of Optical Detector	1
44		To Study Numerical Apperture Measurement	1
45		To Study Loss Measurement of Fiber Cable	1
46		To Study Analog Link	1
47		To Study Analog Link	1
48		To Study 2 Channel PAM TDM using Optical Link	1
49		To Study Digital Link	1
50		To Study PWM with Optical Link	1
51		To Study Manchester Coding & Decoding using Optical Link	1
52		To Study RS 232 Communication using Optical Link	1
53		To Study PC to PC Communication using Optical Link	1
54		To Study 4 Channel PCM TDM using Optical Link	1
55		Fiber optic trainer kit	1
		1A. Fiber optic laser source & detector module	
		1B. Passive component module	
		1C. Universal power meter	

Sr. No.	Name of laboratory	Name of Equipment	Qty
1	3.Communication System	DSP TMS320XX trainer with CCS with USB Cable	3
2		PLC software RSLogix 500	1
3		MATLAB	2
4		Compact 24port gigabit switch	1
5		Server intel core i7 4th generation 16GB RAM DDR3 240GB SSD 2TB WD Enterprise LG DVD WR 550 Watts SMPS	1
6		AOC LCD 18.5" monitor	22
7		Thin Client N-computing device	21
8		1000 VA UPS Make Powersafe	1
9		Dell Inspiron 560 ST Retail Base	7
10		Artise UPS 600VA	5
11		ESPOON Projector	1
12		Canon Scanner S/N KKGE 61557	1
13		30MHz Cathode ray oscilloscope dual trace	2
14		3 MHz function generator	2
15		Power supply unit	2
16		UPS 600 VA	1
17		M-3900 Mastech Digital Multimeter	2
18		CDS Project Board	1
19		UPS 100VA ECO-POWERSAFE	1
20		UPS 600 VA MAKE POWER SAFE	1

Sr. No.	Name of laboratory	Name of Equipment	Qty
2	4.Embedded System	Optiplex™ 380 DT-N Series Base	17
3		Printer LQ-300 DMP Make-EPSON	1
4		24 Port Switch CISCO	1
5		UPS	16
6		HP LASER JET 1020 PLUS	1
7		Acer Computer	2
8		UPS	7
9		Projector	1
10		UPS	1
11		Projector	3
12		UPS	1
13		Advanced 8085 Microprocessor Trainer	2
14		Seven Segment Module	2
15		Stepper Motor Controller Module	2
16		Relay & Opto coupler Module	3
17		Study Of 8251 Kit	2
18		Study Of 8253 Kit	2
19		8255 Programmable Pheripheraln Interface Study Module	2
20		8259 Programmable Interrupt Controller Study Module	2
21		8279 Keyboard & Display Controller Study Module	2
22		8155 Programmable I/O & Timer Study Module	3
23		8085 Microprocessor Kit(XPO-8085)	3
24		Universal Tariner for Xilinx CPLD	5
25		Universal Tariner for Xilinx FPGA	5

26	ADC/DAC Interface	1
27	MCS-8051 Module	5
28	PIC-16F877 Module	5
29	Periperal Interface Card	1
30	8 Chaneel A/D Using ADC 0809 Card	1
31	Dual Chaneel D/A Using DAC 0808 Card	1
32	Digital I/O Board	1
33	Traffic light cun Logic controller card Kit	1
34	Universal IC Programmer + IC Tester Module	2
35	RE 232 to USB Connector	10
36	8051 Compiler	1
37	LPC 2148 Trainer Kit (ARM-7 Kit)	7
38	Dell Optiplex CPU	10

Sr. No.	Name of laboratory	Name of Equipment	Qty
1	5.Analog Electronics	30 MHZ Cathode Ray Oscilloscope Dual Trace (803)	2
2		30 MHZ Cathode Ray Oscilloscope Dual Trace (801)	3
3		3 MHZ Function Generator	5
4		Power Supply Unit(0-30 V/2A)	8
5		Digital Multimeter	6
6		CDS Project Board	4
7		Digital IC Tester	3
8		Rectifier Kit	2
9		Voltage Amplifier Kit	2
10		RLC Resonance Kit	2
11		Series -Parallel Resonance Kit	2
12		Collpit Oscillator	2
13		RC Phase Shift Oscillator Kit	2
14		Wein Bridge Oscillator	2
15		Power Supply Unit (0-30V/2A)	3
16		Digital Multimeter	3
17		Resistance Decade Box	1
18		Capacitance Decade Box	1
19		Resistance Decade Box	1
20		Digital Multimeter M-3900	2
21		Analog Multimeter	1
22		Component Oraganiser	2
23		Transistor Application Kit	4
24		Universel IC Tester (DICT-03)	1

Sr. No.	Name of laboratory	Name of Equipment	Qty
1	6. Industrial & Power Electronics	To study of Characteristics of following MOSFET , IGBT,SCR,TRAIC, DIAC	5
2		Single phase controlled rectifier kit Half wave controlled rectifier	1
3		Single phase full wave controlled rectifier	1
4		Forced commutation on off scr kit	1
5		SCR Invertors-series inverter	1
6		Single phase bridge inverter	1
7		DC motor control kit	1
8		SCR turn on method kit	1
9		DC motor speed control demonstrator kit using chopper	1
10		3 phase bridge inverter	1
11		3 phase half wave controlled rectifier	1
12		3 phase full wave controlled rectifier	1
13		AC Motor speed control demonstrator(induction motor)	1
14		CRO trainer	1
15		Logic Analyzer with 16 channels, 100Mhz	1
16		PLC Trainer kit with Allan Bradley PL. Micrologix 1400 Series B	1
17		Stepper Motor kit	1
18		PI & PID controller trainer kit	1
19		Logic gates by using PLC	1
20		ON-OFF control of lamp	1
21		Timers & counters with suitable counter application	1
22		30MHz CRO Dual trace	2
23		M-3900 Mastech Digital Multimeter	2
24		Power Electronics Trainer kit	1
25		Traffic Light controller panel	1
26		Tank level control system panel	1
27		Washing Machine Control system panel	1
28		Lift/Elevator control system panel	1
	Soft Drink Vending machine system panel	1	
	Interface of linear & rotary transducer with PLC	1	

Sr. No.	Name of laboratory	Name of Equipment	Qty
1	7.Basic Electronics	Solder Iron	5
2		Dual Trace Cathode Ray Oscilloscope	5
3		Digital Storage Oscilloscope	1
4		Function Generator	5
5		Component Development System Board	5
6		Digital Multimeter	2
7		Soldering Iron Working Station	3
8		Dual Power Supply	2
9		Digital IC Tester	1
10		CDS Project Board	4
11		Component Organiser	1
12		Component Organiser	1
13		Digital Multimeter M-3900(Mastech)	2
14		Component Development System Board	3
15		4 Bit Ripple counter Trainer	1
16		Shift Register Trainer Kit	1
17		Decade Counter Trainer Kit	1
18		Analog To Digital Converter Trainer Kit	1
19		Digital To Analog Converter Trainer Kit	1
20		Regulated IC 723 Power supply Trainer Kit	1

Sr. No.	Name of laboratory	Name of Equipment	Qty
1	8.Simulation Lab	Dell Inspiron Computers	7
2		Optiplex™ 380 DT-N Series Base	3
3		Acer Computer	3
4		UPS	4
5		UPS	5
6		UPS	3
7		Desktop Computer	7
8		UPS	4
9		UPS	1
10		Dell Optiplex	10

Sr. No.	Name of laboratory	Name of Equipment	Qty
1	9.Basic Electrical Engineering	Dual DC Regulated power supply	2
2		3 1/2 Digit Digital Multimeter	5
3		Simple, Staircase, Godown Wiring.	2
4		Kit for KVL/KCL	2
5		Kit for R-L-c series Circuit	2
6		single phase transformer	2
7		single phase Autotransformer	2
8		three phase Autotransformer	1
9		DC Shunt Motor	1
10		Control Panel For DC shunt Motor	1
11		Single Phase Induction Motor	1
12		Control Panel for single phase induction motor	1
13		Digital Tachometer(non contact type)	1
14		mercury vapour lamp	1
15		sodium vapour lamp	1
16		Metal Hallide lamp	1
17		CFL lamp	1
18		Lamp Bank loading arrangement	1
19		Lamp Bank loading arrangement	1
20		Three Phase 10A, Inductor load Bank	1
21		capacitor load bank	1
22		DC Voltmeter	4
23		DC Ammeter	4
24		AC Ammeter	6
25		AC voltmeter	3
26		AC voltmeter	4
27		Single Phase Wattmeter Ac	3
28		Single Phase Wattmeter Ac	1
29		Transformer Rectifier circuit	1
30		Earth Tester with testing kit	1
31		Digital LCR Meter	1
32		Rheostat	2

33	Rheostat	2
34	Rheostat	2
35	Rheostat	2
36	3 1/2 Digit Digital Multimeter	5
37	Analog megger	1
38	Fabricated and powder coated AC terminal Boards	2
39	Fabricated and powder coated AC terminal Boards	2
40	Connecting Wires GP 4 Patch Cords	100
41	B_H Curves	1
42	Dual Trace Oscilloscope	1
43	Function Generator (4061)	2
44	Language kit	2
45	DC Shunt Motor	1
46	Digital Speedometer(Contactless))	1
47	KCL & KVL KIT	2
48	LVDT Transducer	2
49	RTD (PT-100)	2
50	Thermocouple	2
51	single phase Transformer	2
52	Digital Multimeter	2
53	AC Voltage Source	1

Laboratory Equipment-Department of Mechanical Engineering

Sr.No.	Name of laboratory	Name of Equipment	Count
1	1.Theory of Machine Lab	Universal GovernarAppartus	1
2		Motorised Gyroscope	1
3		Generation of Gear tooth Profile	1
4		Universal Vibration Equipment	1
5		Whirling of shaft Appartus	1
6		Static and Dynamic Balancing Apparatus	1
7		Reciprocating Engine Mechanism	1
8		Oscillating Cylinder Mechanism	1
9		Withworth Quick Return Mechanism	1
10		Scotch Yoke Mechanism	1
11		Ellipse Tracer Model	1
12		Models of Types of Cams & follower	1
13		Train of Gear wheels (Simple)	1
14		Train of Gear wheels (Compound)	1
15		Bifilar Suspension Appartus	1
16		Compound Pendulum Appartus	1
17		Trifillar Suspension Appartus	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	2: Metallurgy Lab	Rockwell cum Brinell Hardness Testing Machine.	1
2		Jominy Test Fixture	1
3		End Quench Test Appartus.	1
4		Abrasive Belt Grinder- Dry Type	1
5		Double Disc Polishing Machine	1
6		Specimen Leveller	1
7		Binocular Metallurgical Microscope	1
8		Trinocular Microscope with Computerised Attachment	1
9		15x eyepiece	1
10		20x Ach. Objective (imported)	1
11		60x Ach. Objective (imported)	1
12		100x Oil Immersion Objective (imported)	1
13		Micrometer Eyepiece(10mm divided in 100 parts)	1
14		Grain size measurement Eyepiece	1
15		Standard Metallurgical Structure Set	1
16		Muffle Furnace	1
17		Magnetic Particle Crack Detector	1
18		Fluorescent Dyne Penetrant Kit	1
19		Red Dye Penetrant Kit	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	3.Heat and Mass Transfer Lab	Thermal Conductivity of Insulating Powder	1
2		Thermal Conductivity of Metal Rod	1
3		Natural Convection Apparatus	1
4		Forced Convection Apparatus	1
5		Emissivity Measurement Apparatus	1
6		Stefan Boltzman Apparatus	1
7		Parallel Flow/Copunter Flow Apparatus	1
8		Heat Pipe Apparatus	1
9		Composite Wall	1
10		Lagged Pipe Apparatus	1
11		Critical Heat Flux	1
12		Drop & Film Condensation App.	1
13		Thermal Conductivity of Insulating Powder	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	4 : Refrigeration and Air Conditioning Lab	ICE Plant Test Rig	1
2		Heat Pump Test Rig	1
3		Vapour Absorption Refrigeration System	1
4		Vapour Compression Refrigeration System	1
5		Cascade Refrigeration System	1
6		Recirculating Type Air Conditioning System	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	5: Internal Combustion Engine Lab	Six Cylinder Diesel Engine Cut Section Model	1
2		Multi Cylinder Petrol Engine Test Rig	1
3		Single Cylinder VCR Engine Test Rig	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	6: Internal Combustion Engine Lab	1. Desktop Computer:- Ci5 6th generation ,RAM 8GB DDR3	50
2		HP Ploter	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	7: Applied Thermodynamics Lab	Standard Pentrometer	50
2		Pensky Marten Flash point appartus	1
3		Carbon Residue Appartus	1
4		Cloud and Pour Point Appartus	1
5		Redwood Viscometer	1
6		Drop Point Appartus	1
7		Aniline Point Appartus	1
8		Bomb Calorimeter	1
9		Cochran Boiler	1
10		Junker's Gas Calorimeter	1
11		Steam Power Plant	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	8:Mechatronics Lab	Robot Arm	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	9.Testing And Measurement Lab	Speed Measurement- Photo Electric PickUp	1
2		Speed Measurement- Electromagnetic PickUp	1
3		Speed Measurement- Flashing Stroboscope	1
4		Dead-Weight Pressure Gauge Tester	1
5		Thermocouple Calibration Test Rig	1
6		Temperature Measurement Devices	1
7		Vacuum Measurement- Mecleod Gauge	1
8		Vacuum Measurement- Vacuum Pump	1
9		Flow Measurement- Rotameter	1
10		Flow Measurement-Impeller Type Digital Anemometer	1
11		Vibration Measurement- Contact Type Instruments - Vibrometer	1
12		Vibration Measurement- Non Contact Type Instruments - Stroboscope	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	10 :Automobile Engineering Lab	Cut section Model of demonstration of Chasis MPFI Vehicle-Maruti OMNI	1
2		C/s model of Synchromesh gearbox	1
3		C/s model of semi floating rear axle	1
4		C/s model of Hydraulic Braking System	1
5		Battery, Electrical charging system	1
6		Electrical starting system	1
7		D.c. electric horn working Model	1
8		Flasher unit	1
9		Wiper motor working model	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	11:Fluid and Terbo Machine Lab	Pelton Wheel Test Rig	1
2		Francis turbine Test Rig	1
3		Kaplan turbine test Rig	1
4		Centrifugal Pump Test Rig	1
5		Reciprocating Pump Test Rig	1
6		Multistage air compressor Test Rig	1
7		Centrifugal blower Test Rig-	1

Laboratory Equipment-Department of Science & Humanity Department

Sr.No.	Name of laboratory	Name of Equipment	Count
1	1. Chemistry Lab	Digital Balance	1
2		Conduct meter	2
3		pH Meter	2
4		Potentiometer	1
5		Electric Oven	1
6		Hot Plate	2
7		Exhaust Fan	3

Sr.No.	Name of laboratory	Name of Equipment	Count
1	2. Language Lab	Computer	21
2		Server	1

Sr.No.	Name of laboratory	Name of Equipment	Count
1	3. Physics Lab	Hot Plate	1
2		Interferrometer	1
3		Optical Bench	1
4		Half Shade Polarimeter	1
5		e/m method	1

Sports Facilities

The college has total 5 acres adequate area for sport facilities.

Sr.No.	Facilites	Number	Dimensions (meter/Sq. Ft./Sq. Mtr)	Establishment
1	Yoga center	1	130 sq. mtr.	2016
2	Volleyball Court	2	9 X 18 mtr.	2013
3	Kabbadi Court Boys	1	10 x 13 mtr	2013
4	Kabbadi Court Girls	1	8 x 12 mtr	2013
5	TableTennis	2	2.74 x 1.65 mtr.	2015
6	KhoKho Ground	1	16 x 28 mtr.	2013
7	Running Track	1	200 meter	2013
8	Cricket Ground	1	60 meter Circle	2013

ICT Tool

Sr.No.	Name of classroom /seminar Hall	ICT Facility
1	Class room 1A0-20	LCD Projector, Smart Board, Internet Connection
2	Class room 1A1-1	LCD Projector Smart Board, Internet Connection
3	Class room 1A1-12	LCD Projector
4	Class room 1A1-13	LCD Projector
5	Class room 1A2-7	LCD Projector, Smart Board
6	Class room 1A2-8	LCD Projector
7	Class room 1A2-1	LCD Projector, Internet Connection
8	Class room 1A3-15	LCD Projector, Smart Board
9	Class room 1A3-16	LCD Projector
10	Class room 1A3-1	LCD Projector, Internet Connection
11	E-Yantra lab	Smart Board
12	Class room 5A0-5	LCD Projector, Internet Connection
13	Class room 5A1-2	LCD Projector
14	Class room 5A1-3	LCD Projector
15	Class room 5A1-12	Smart Board
16	Class room 5B0-5	LCD Projector
17	Class room 5B0-8	
18	Class room 5B0-10	LCD Projector
19	Class room 5B0-11	LCD Projector
20	Class room 5B0-19	LCD Projector, Smart Board
21	Seminar Hall	LCD Projector
21	Seminar Hall	Smart Board
22		Reliance Jio free Wifi
23		CCTV Camera

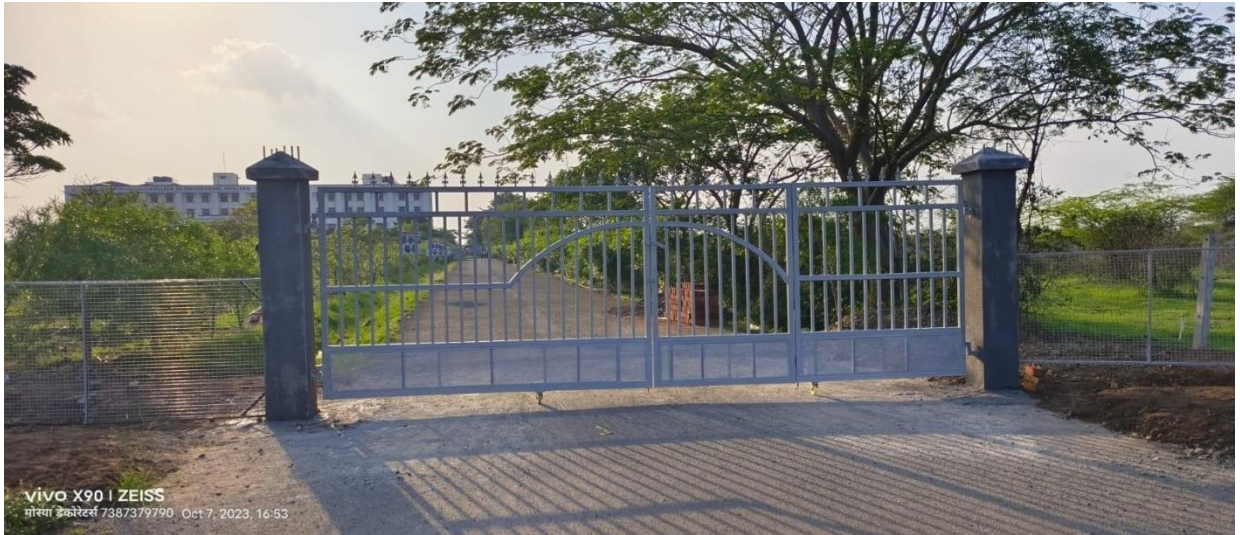
Sr.No.	Physical Facility	Number
1	Main Entrance:- i) Principal cabin ii) IQAC iii) College Office	1
2	Solar Panel Set	1
3	College Library	1
4	Gymkhana	1
5	Yoga centre	
6	Ladies Toilet for Physically Handicap	1
7	Gents Toilet for Physically Handicap	
8	Library	1
9	Reading Hall	1
10	Department	4
11	Canteen	1
12	Examination Centre	1
13	Ramp	3
14	Class Room	21
15	Seminar Hall	1
16	Biometric machine	1
17	LCD Projector	18
18	CCTV Camera	8 DVR
19	Drinking Water Facility (RO)	2
20	Water Cooler	9
21	Sanitary Napkin Vending machine	1
22	Incinerator Machine	2
23	Facility Centre	11
24	Store Room	1
25	Xerox Centre	1
26	FOSS lab	1
27	Watchman Cabin	1
28	Lift	2
29	Parking	2
34	Girl Common Room	1
35	T& P office	1
36	Rain water Harvesting	1
37	Digital Camera	1
38	Generator	1
33	Seek room	1
34	Refrigerator	1

Criteria 4- INFRASTRUCTURE AND LEARNING RESOURCES**Photographs**

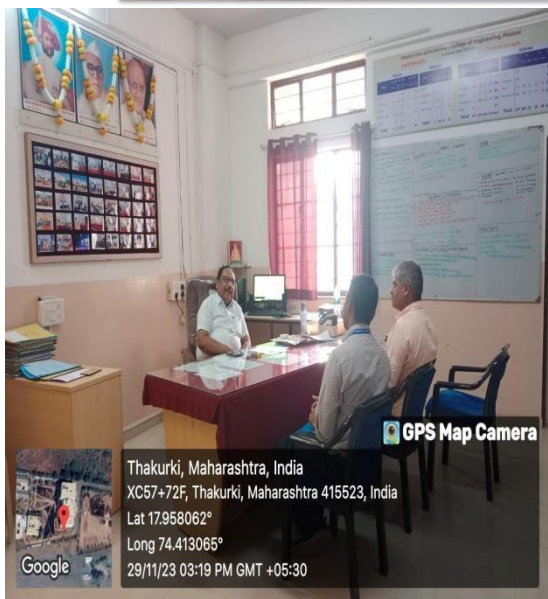
Sr.No	Details
1	Main Entrance
2	College Premises
3	Principal cabin
4	IQAC
5	College Office
6	Parking
7	College Library
8	Reading Hall
9	Gymkhana
10	Indoor Sport
11	Yoga centre
12	Play Ground
13	Canteen
14	Solar System
15	Electricity and backup
16	Ramp
17	Wheel Chair
18	Class Room
20	Seminar Hall
21	Fire Hydrant System

22	CCTV Camera ,Biometric machine
23	Water Distribution system
24	Sanitary Napkin Vending machine
25	Incinerator Machine
26	Facility Centre
27	FOSS Lab
28	Lift

Main Entrance & College Premises



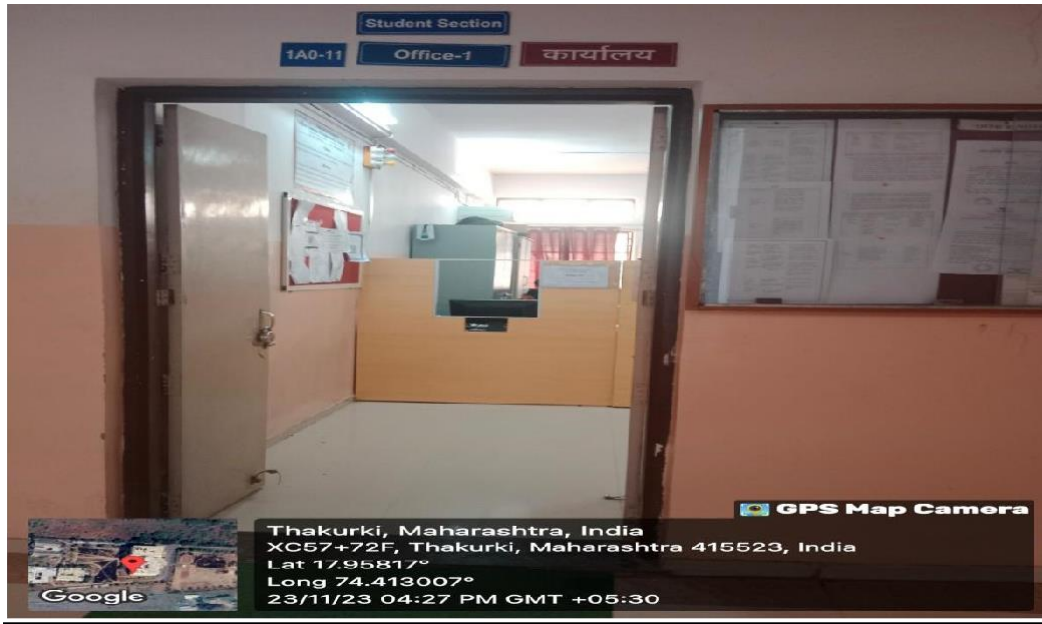
Principal Cabin



IQAC



College Office



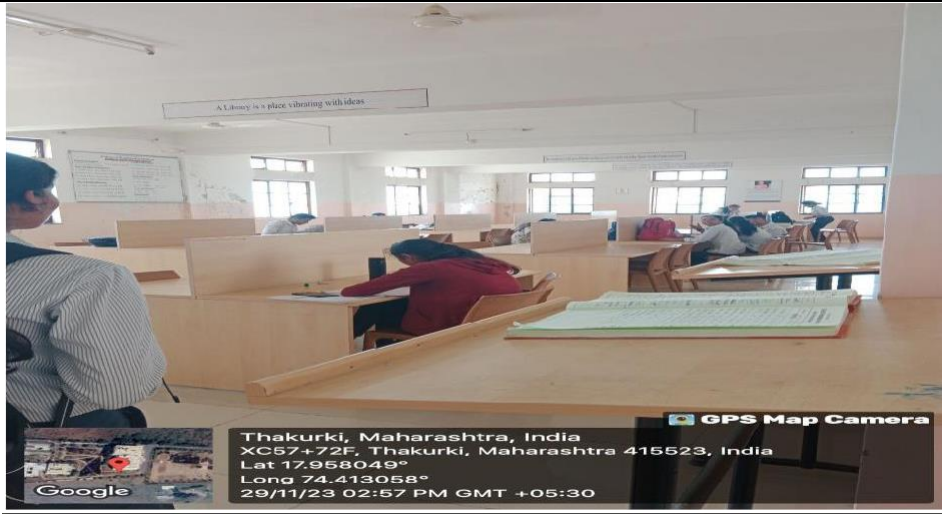
Parking



College Library



Reading Hall



Gymkhana



Indoor Sports



Yoga Centre



Play Ground



Canteen



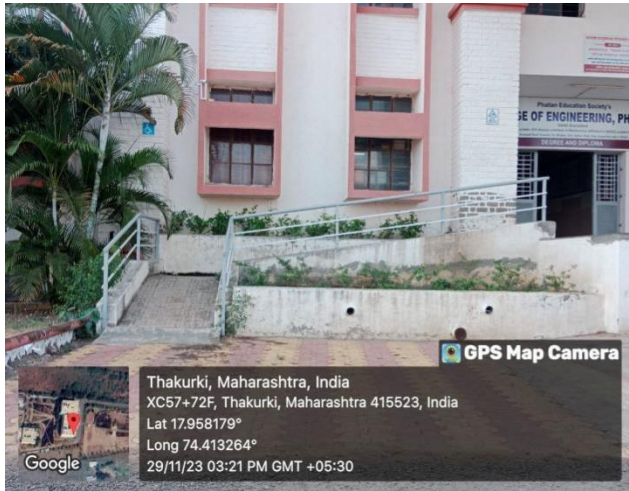
Solar System



Electricity and backup



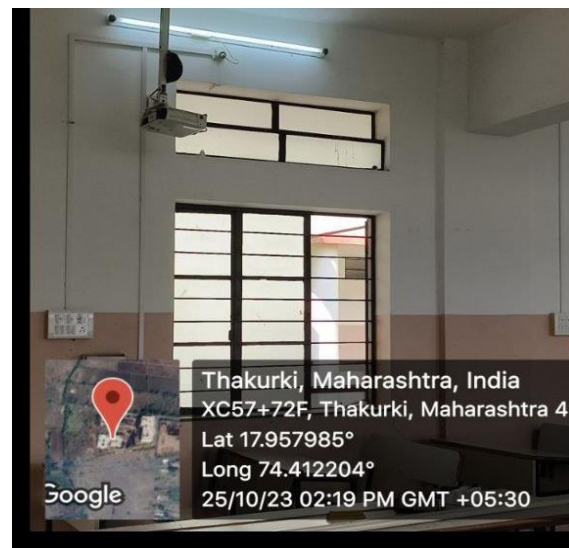
Ramp



Wheel Chair



Classroom with ICT Tool



Seminar Hall

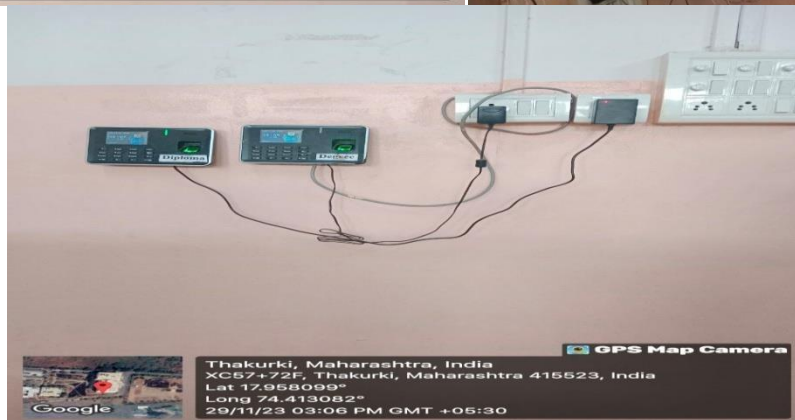
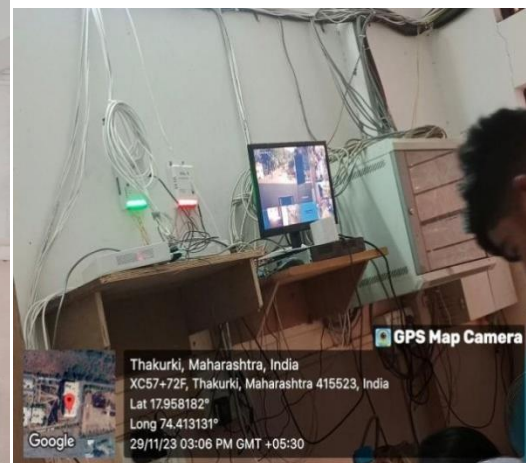


Thakurki, Maharashtra, India
XC57+72F, Thakurki, Maharashtra 415523, India
Lat 17.958203°
Long 74.413374°
14/09/23 01:49 PM GMT +05:30

Fire Hydrant



CCTV Camera and Biometric Machine



Water Distribution System



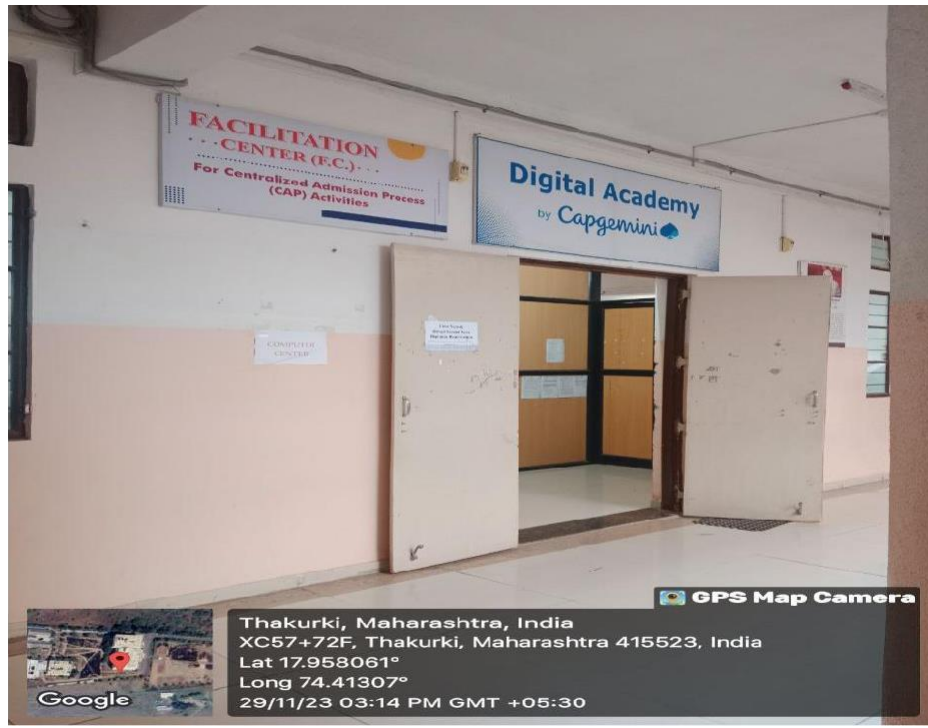
Sanitary Napkin Vending Machine



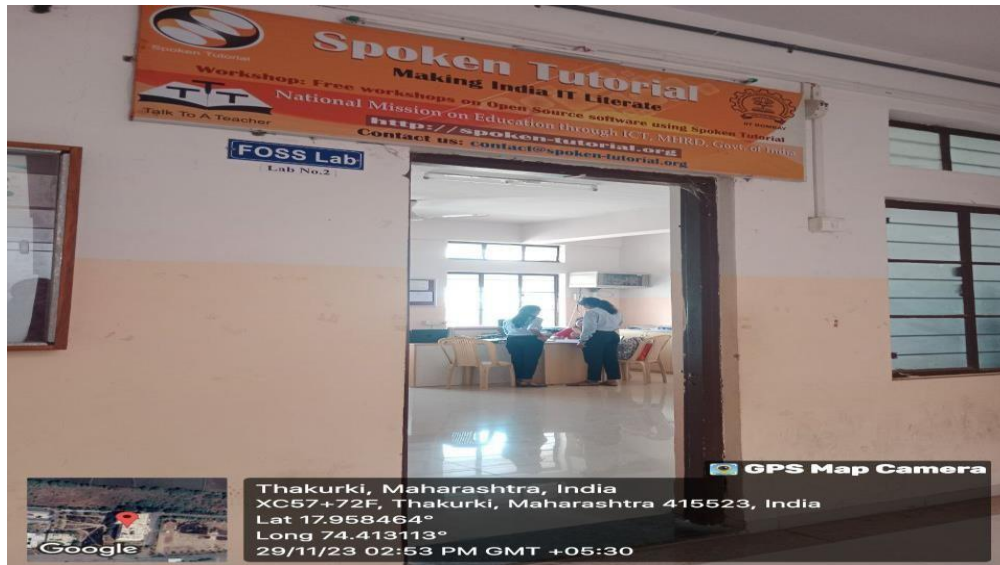
Incinerator Machine



Facility Centre



FOSS Lab



Lift

