

**Criterion IV
Infrastructure and Learning Resources**

Key Indicator 4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipment etc.

Details of Physical Facilities of the College

Total Land Area	: 30.14 Acre
Total Number of Classrooms	: 120
Total Area of Classrooms	: 11021 sq.m.
Total Number of Laboratories	: 108
Total Area of Laboratories	: 18840.44 sq.m.
Total Number of Seminar Halls	: 9
Total Area of Seminar Halls	: 1781 sq.m.
Total Number of Auditoriums	: 2
Total Area of Auditoriums	: 1226 sq.m.
Total Number of Amphitheater	: 1
Total Area of Amphitheater	: 464 sq.m.
Total Number of Staff rooms	: 20
Total Area of Staff rooms	: 1858 sq.m.
Total Number of Centers of Excellence	: 12
Total Area of Centers of Excellence	: 1809 sq.m.
Other Facilities	: 30448 sq.m.



Criterion IV
Infrastructure and Learning Resources

Class Rooms & Tutorial Halls

S. No.	Class Room No.	Year / Section	Exclusive / Shared	Area in Sq.m.	Capacity / Class Strength
1	E001	II AUTO	Exclusive	95	66
2	E002	III AUTO	Exclusive	95	66
3	E003	IV AUTO	Exclusive	95	66
4	E004	IV CIVIL A	Exclusive	125	66
5	E005	IV CIVIL B	Exclusive	125	66
6	E006	III CIVIL A	Exclusive	95	66
7	E007	III CIVIL B	Exclusive	110	66
8	E008	I ME EMBEDDED SYSTEMS	Exclusive	95	66
9	F002	I MCA	Exclusive	114	66
10	F103	I AGRI	Exclusive	116	66
11	F104	I EEE	Exclusive	114	66
12	F105	I CHEMICAL	Exclusive	75	66
13	F106	TUTORIAL HALL 01	Exclusive	75	66
14	F107	II MCA	Exclusive	75	66
15	F108	II ME EMBEDDED SYSTEMS	Exclusive	75	66
16	F200	I MCTS B	Exclusive	116	66
17	F201	I CIVIL	Exclusive	116	66
18	F203	TUTORIAL HALL 02	Exclusive	115	66
19	F204	I MECH B	Exclusive	70	66
20	F205	TUTORIAL HALL 03	Exclusive	70	66
21	F206	TUTORIAL HALL 04	Exclusive	75	66
22	F207	TUTORIAL HALL 05	Shared (AERO & MCTS)	116	66
23	F208	I ME APPLIED ELECTRONICS	Exclusive	109	66
24	F209	II ME APPLIED ELECTRONICS	Exclusive	110	66



**Criterion IV
Infrastructure and Learning Resources**

25	F300	I MECH A	Exclusive	116	66
26	F303	I ECE B	Exclusive	115	66
27	F304	I IT A	Exclusive	75	66
28	F305	I BME	Exclusive	75	66
29	F306	I E&I	Exclusive	75	66
30	F307	I FOOD	Exclusive	75	66
31	F308	I CSE A	Exclusive	116	66
32	F309	I IT B	Exclusive	116	66
33	F310	I MCTS A	Exclusive	116	66
34	F311	I CSE B	Exclusive	116	66
35	F312	I CSE C	Exclusive	75	66
36	F404	TUTORIAL HALL 06	Shared (EEE & E&I)	75	66
37	F405	I AUTO	Exclusive	116	66
38	F406	TUTORIAL HALL 07	Shared (AUTO & CIVIL)	116	66
39	F407	I AI & ML	Exclusive	109	66
40	F408	I AERO	Exclusive	110	66
41	F409	I ECE A	Exclusive	80	66
42	MBA 001	I MBA	Exclusive	131	66
43	MBA 002	II MBA	Exclusive	80	66
44	M001	II ECE A	Exclusive	80	66
45	M002	II ECE B	Exclusive	80	66
46	M003	II ECE C	Exclusive	80	66
47	M004	IV AGRI	Exclusive	80	66
48	M008	IV MECH A	Exclusive	80	66
49	M009	IV MECH B	Exclusive	45	24
50	M010	IV MECH C	Exclusive	45	24
51	M011	TUTORIAL HALL 08	Exclusive	45	
52	M012	TUTORIAL HALL 09	Exclusive	45	

**Criterion IV
Infrastructure and Learning Resources**

53	M013	TUTORIAL HALL 10	Exclusive	80	66
54	M014	TUTORIAL HALL 11	Exclusive	80	66
55	M100	III CSE A	Exclusive	80	66
56	M101	III CSE B	Exclusive	80	66
57	M102	III CSE C	Exclusive	80	66
58	M109	III MECH A	Exclusive	80	66
59	M110	III MECH B	Exclusive	92	66
60	M111	III MECH C	Exclusive	92	66
61	M200	III ECE A	Exclusive	92	66
62	M201	III ECE B	Exclusive	92	66
63	M202	III ECE C	Exclusive	92	66
64	M205	IV BME	Exclusive	80	66
65	M206	III AERO A	Exclusive	80	66
66	M207	III AERO B	Exclusive	80	66
67	M208	IV EEE B	Exclusive	43	24
68	M209	III MCTS A	Exclusive	101	66
69	M210	III MCTS B	Exclusive	80	66
70	M211	III IT A	Exclusive	43	24
71	M212	III IT B	Exclusive	80	66
72	M213	II ME CSE	Exclusive	80	66
73	M214	IV EEE A	Exclusive	86	66
74	M300	IV ECE A	Exclusive	86	66
75	M301	IV ECE B	Exclusive	92	66
76	M302	IV ECE C	Exclusive	92	66
77	M304	IV CSE A	Exclusive	92	66
78	M305	IV CSE B	Exclusive	92	66
79	M306	IV CSE C	Exclusive	129	66
80	M307	IV AERO A	Exclusive	129	66
81	M308	IV AERO B	Exclusive	80	66

**Criterion IV
Infrastructure and Learning Resources**

82	M309	III E&I	Exclusive	80	66
83	M310	IV E&I	Exclusive	80	66
84	M311	IV MCTS A	Exclusive	43	24
85	M312	IV MCTS B	Exclusive	101	66
86	M313	IV FOOD	Exclusive	86	66
87	M314	IV IT A	Exclusive	92	66
88	M315	I ME CSE	Exclusive	45	24
89	M316	IV IT B	Exclusive	116	66
90	M317	TUTORIAL HALL 12	Exclusive	114	66
91	N101	II MECH A	Exclusive	92	66
92	N102	II MECH B	Exclusive	101	66
93	N103	II MECH C	Exclusive	101	66
94	N104	II AERO A	Exclusive	86	66
95	N105	II AERO B	Exclusive	92	66
96	N201	II MCTS A	Exclusive	92	66
97	N202	II MCTS B	Exclusive	101	66
98	N203	II EEE	Exclusive	101	66
99	N204	II IT A	Exclusive	101	66
100	N205	II IT B	Exclusive	101	66
101	N301	II CSE A	Exclusive	101	66
102	N302	II CSE B	Exclusive	101	66
103	N303	II CSE C	Exclusive	92	66
104	N304	II CIVIL	Exclusive	101	66
105	N305	II E&I	Exclusive	101	66
106	N306	III EEE A	Exclusive	87	66
107	N307	III EEE B	Exclusive	93	66
108	T301	II AGRI	Exclusive	91	66
109	T302	II CHEMICAL	Exclusive	130	66
110	T303	PRINCIPAL II FOOD	Exclusive		66

**Criterion IV
Infrastructure and Learning Resources**

111	T304	II BME	Exclusive	93	66
112	T401	III AGRI	Exclusive	91	66
113	T402	III CHEMICAL	Exclusive	130	66
114	T403	III FOOD	Exclusive	87	66
115	T404	III BME	Exclusive	84	66
116	T501	I ME CAD/CAM	Exclusive	87	66
117	T502	II ME CAD/CAM	Exclusive	98	66
118	T503	II AI & ML	Exclusive	130	66
119	T504	I ME COMMUNICATION SYSTEMS	Exclusive	75	66
120	T505	II ME COMMUNICATION SYSTEMS	Exclusive	109	66

Total No. of Classrooms Available	120
Total No. of Classrooms Required	120
Total Area of Classrooms in Sq.m.	11021




PRINCIPAL

Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

**Criterion IV
Infrastructure and Learning Resources**

Seminar Halls

S. No.	Name of Seminar Hall	Area in Sq.m.
1	Ganga Hall (N Block Ground Floor)	203
2	Yamuna Hall (N Block First Floor)	203
3	Kurunji Hall (F Block Ground Floor)	299
4	Mullai Hall (F Block First Floor)	299
5	Marutham Hall (F Block Extension Ground Floor)	221
6	Kaveri Hall (Technology Block)	230
7	Edison Hall (Idea Lab First Floor)	110
8	MACMILLAN HALL	108
9	DAIMLER HALL	109
Total Area		1781




PRINCIPAL
Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

Criterion IV
Infrastructure and Learning Resources

Laboratories

S. No.	Department	Name of the Laboratory	Exclusive / Shared	Area in Sq.m.	Capacity / Batch Strength
1	Aeronautical Engineering	Aeroengine and Airframe Laboratory	Exclusive	156	30
2		Aircraft Design Project Laboratory	Exclusive	151	30
3		Aircraft Structures Laboratory	Exclusive	181	30
4		Computer Laboratory – 01	Exclusive	121	30
5		Thermodynamics Laboratory	Exclusive	151	30
6		Propulsion Laboratory	Exclusive	156	30
7		Aircraft Systems Laboratory	Exclusive	279	30
8		Avionics Laboratory	Shared	104	30
9		Strength of Materials Laboratory	Exclusive	153	30
10		Fluid Mechanics Laboratory	Shared	246	30
11		Aerodynamics Laboratory	Exclusive	156	30
12		UAV design and Modelling Laboratory	Exclusive	151	30
13	Agriculture Engineering	Field Crop Production Practical	Exclusive	70	30
14		Soil Science Laboratory	Exclusive	70	30

PRINCIPAL

**Criterion IV
Infrastructure and Learning Resources**

15		Irrigation Field Laboratory	Exclusive	70	30
16		Surveying and Leveling	Shared	77	30
17		Operation and Maintenance of Farm Machinery Laboratory	Exclusive	70	30
18		CAD for Agricultural Engineering -02	Shared	70	30
19		ICT in Agricultural Engineering	Shared	135	30
20		Renewable Energy Laboratory	Exclusive	70	30
21		GIS Laboratory for Agricultural Engineers	Shared	70	30
22		Unit Operations in Agricultural Processing	Exclusive	70	30
23	Automobile Engineering	Automotive components lab	Exclusive	66	30
24		Automotive Electrical and Electronics lab	Exclusive	66	30
25		Two wheeler and Three wheeler technology	Exclusive	66	30
26		Automotive Fuels and Lubricants Lab	Exclusive	66	30
27		Vehicle maintenance lab	Exclusive	66	30
28		Engine performance and Emission Testing lab	Exclusive	66	30
29		Engineering Practices Lab	Shared	100	30
30	Artificial Intelligence and Machine Learning	Programming Lab	Shared	101	70
31		RDBMS Lab	Shared	101	32
32		Networks Lab	Shared	101	32

**Criterion IV
Infrastructure and Learning Resources**

33		Research Lab	Exclusive	37	20
34		Cloud Computing Lab	Shared	101	32
35		Multimedia and Networking Lab	Shared	101	32
36	Biomedical Engineering	Electronics Laboratory	Exclusive	100	40
37		Human Physiology Laboratory	Exclusive	100	40
38		Sensors Laboratory	Exclusive	100	40
39		Biomedical Instrumentation Laboratory	Exclusive	100	40
40		Computer Laboratory – 03	Shared	100	60
41	Chemical Engineering	Analytical Instruments for Analysis Laboratory	Exclusive	70	30
42		Fluid Mechanics Laboratory	Shared	246	30
43		Chemical & Petrochemical Analysis Laboratory	Exclusive	70	30
44		Mechanical Operations Laboratory	Exclusive	70	30
45		Heat & Mass Transfer Laboratory	Exclusive	140	30
46		Process Control Laboratory	Exclusive	70	30
47		Chemical Reaction Engineering Laboratory	Exclusive	70	30
48		Design and Simulation Laboratory- 04	Exclusive	70	30
49		Computational Fluid Dynamics Lab	Shared with Aero	121	30
50	Civil Engineering	Survey Laboratory	Exclusive	77	30

PRINCIPAL

**Criterion IV
Infrastructure and Learning Resources**

51		Computer Aided Building Drawing / Design and Drafting Lab -05	Exclusive	148	60
52		Strength of Materials Laboratory	Exclusive	219	30
53		Hydraulic Engineering Laboratory	Exclusive	246	30
54		Soil Mechanics Laboratory	Exclusive	138	30
55		Environmental Engineering Laboratory	Exclusive	169	30
56		Concrete and Highway Engineering Laboratory	Exclusive	169	30
57	Computer Science and Engineering	Programming Lab - 06	Shared	101	70
58		RDBMS Lab - 07	Shared	101	32
59		Networks Lab -08	Shared	101	32
60		Research Lab -09	Exclusive	37	20
61		Cloud Computing Lab	Shared	101	32
62		Multimedia and Networking Lab	Shared	101	32
63	Electronics and Communication Engineering	Electronics Laboratory	Exclusive	104	60
64		Integrated Circuits Laboratory	Shared	104	60
65		Microprocessor Laboratory	Shared	104	60
66		Communication Systems Laboratory	Exclusive	104	60
67		Optical & Microwave Laboratory	Exclusive	104	60
68		Simulation Laboratory -10	Exclusive	104	60



PRINCIPAL
Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

**Criterion IV
Infrastructure and Learning Resources**

69		Centre of Excellence-IoT Laboratory-11	Exclusive	104	60
70		Research Laboratory-12	Exclusive	104	60
71	Electrical and Electronics Engineering	Electrical Machines Lab	Exclusive	314	30
72		Power Electronics Lab	Exclusive	101	30
73		Control Systems Lab	Exclusive	102	30
74		Measurement and Instrumentation Lab	Exclusive	156	30
75		Electric Circuits Lab	Exclusive	104	30
76		Simulation Lab-13	Exclusive	96	30
77		Engineering Practices Lab	Shared	127	30
78	Electronics and Instrumentation Engineering	Industrial Instrumentation Laboratory	Exclusive	135	30
79		Instrumentation System Design Laboratory-14	Shared	135	30
80		Process Control Laboratory	Exclusive	135	30
81		Virtual Instrumentation Laboratory	Shared	135	50
82		Transducer and Measurements Laboratory	Shared	135	30
83	Food Technology	Food Microbiology Laboratory	Exclusive	70	30
84		Food Production Analysis Laboratory	Exclusive	70	30
85		Food Biochemistry Laboratory	Exclusive	70	30
86		Unit Operations Laboratory	Shared	70	30



PRINCIPAL

Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

**Criterion IV
Infrastructure and Learning Resources**

87		Baking and Confectionery Technology Laboratory	Exclusive	70	30
88		Unit Operations in Food Processing Laboratory	Shared	70	30
89		Dairy Engineering Laboratory	Exclusive	70	30
90		Fruits & Vegetable Processing Laboratory	Exclusive	70	30
91		Food Packaging Laboratory	Exclusive	70	30
92		Food Analysis and Quality Control Laboratory	Exclusive	70	30
93	Information Technology	Programming Lab-15	Exclusive	120	60
94		RDMS Lab - 16	Exclusive	74	30
95		Open Source Lab - 17	Exclusive	111	30
96		IoT Lab – 18	Exclusive	90	30
97	Mechanical Engineering	Engineering Practice Lab	Shared	400	30
98		CAD/CAM Lab -19	Shared	305	30
99		Manufacturing Technology Lab	Shared	460	30
100		Thermal Engineering Lab I & II	Shared	468	30
101		Dynamics Lab	Exclusive	152	30
102		Metrology & Measurements Lab	Exclusive	152	30
103		Hi-racing Lab	Exclusive	400	30
104		Messer Cutting Lab	Exclusive	152	30



PRINCIPAL
Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

**Criterion IV
Infrastructure and Learning Resources**

105		Fab Lab & Incubation Center	Exclusive	5000	100
103	Mechatronics Engineering	Assembly language programming laboratory	Shared	82	30
104		Sensors and Signal processing laboratory	Exclusive	98	30
105		Applied Hydraulics & Pneumatics Laboratory	Exclusive	98	30
106		Control of Electrical Machines & Electronics Laboratory	Exclusive	82	30
107		CAD Laboratory - 20	Exclusive	62	30
108		Industrial Automation and Control laboratory	Exclusive	98	30
109		Robotics laboratory	Exclusive	98	30
110		Science and Humanities	Physics Laboratory	Exclusive	252
111	Chemistry Laboratory		Exclusive	252	60
112	Computer Laboratory- 21		Exclusive	75	60
113	MCA	Computer Laboratory - 22	Exclusive	75	60
114	MBA	Computer Laboratory - 23	Exclusive	112	60
115	Library	Digital Library - 24	Shared	84	30
116	Placement Training	Computer Laboratory- 25	Exclusive	75	60



PRINCIPAL
Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

**Criterion IV
Infrastructure and Learning Resources**

Auditoriums

S.No.	Name of Auditorium	Area in Sq.m.
1	Kalam Auditorium	557
2	Tagore Auditorium	669
Total Area		1226

Computing Facilities

Computer Labs	Total No. of Computers	Available Bandwidth
26	1759	512 Mbps

Centre of Excellence / Competency Development Centre / Industry-Partnered Center

S.No.	Name of Centre	Area in Sq.m.
1	Royal Enfield Regional Competency Development Centre	153
2	Eicher Regional Competency Development Centre	297
3	AICTE-IDEA Lab	465
4	Hindusthan Innovative Product Development Centre (MSME Incubation Centre)	146
5	Messer Powered Thermal Cutting Lab	186
6	Cobot Lab	80
7	Society of Automotive Engineers – HiRacing Lab (BAJA Workshop)	105
8	Incubation Centre – Drone Technology	105
9	IBM Software Lab	77

PRINCIPAL

Hindusthan College of Engineering & Technology
COIMBATORE - 641 032



**Criterion IV
Infrastructure and Learning Resources**

10	INTEL Intelligent Systems Lab	37
11	LABVIEW Academy	80
12	AICTE Skill and Personality Development Program Centre for SC/ST Students	77
Total Area		1809

Other Facilities

S.No.	Name of the Facilities	Area in Sq.m.
1	Principal Office	129
2	Administrative Office	129
3	Office of Controller of Examinations	418
4	Placement and Training Division	241
5	Internal Quality Assurance Cell	80
6	Office of Academic Affairs	56
7	Office of Student Affairs	33
8	Office of Research and Development	33
9	IPR Nodal Centre	33
10	EDC Cell	33
11	Media Centre	80
12	Boys Hostel	12406
13	Girls Hostel	5318
14	Staff Quarters	517
15	BUS Shed	373
16	Canteens	3047


PRINCIPAL
 Hindusthan College of Engineering & Technology
 COIMBATORE - 641 032



**Criterion IV
Infrastructure and Learning Resources**

17	Helipad	2339
18	Library	2020
19	Video Conference Hall	129
20	ATM	22
21	Clubs	251
22	Power House	56
23	Stationary Shop	56
24	Maintenance Workhouse	167
25	Bank Extension	33
26	Sewage Treatment Plant	56
27	Guest House	557
28	Amenities Centre	98
29	GYM	186
30	Yoga Centre	160
31	Parking	1338
32	Security Office	56
Total Area		30448




PRINCIPAL
Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

**Criterion IV
Infrastructure and Learning Resources**

Sports Facilities

S.No.	Name of Facility	Area in Sq.m.
1	Cricket /Football Ground	25981
2	Volley Ball Court	300
3	Shuttle Badminton Courts	880
4	Basketball Courts	608
5	Kabaddi courts	1500
6	Table Tennis	204
7	Tennis Court	669
Total Area		30142




PRINCIPAL
Hindusthan College of Engineering & Technology
COIMBATORE - 641 032