



Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO. 94, JALGAON – 425001 (M.S.)
Included under section 2(f) & 12(B) of the UGC Act, 1956

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

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1. AICTE Norms for Area

4.2.1 Instructional Area (Carpet Area) in m²

A. Engineering and Technology (Under Graduate/ Post Graduate Degree/ Integrated Degree) Institutions

	Number of Rooms required	Carpet Area in m ² per Room
Class Rooms	Total Number of Divisions x 0.75	66/ 33*
Tutorial Rooms ⁺	25% of total Class Room	33
Laboratory for First Year	4 (which includes 2 Laboratories for Basic sciences)	66
Laboratory other than First Year	2 per Course per Year	66
Laboratory for Post Graduate Courses	1 per Course	66
	1 Research Laboratory	66
Workshop [#]	1	200
Additional Laboratory/ Workshop for "X" Category Courses	1	200
Drawing Hall [#]	1	132
Computer Centre [#]	1	150
Seminar Hall	1	132
Library ⁺⁺	1	400
Language Laboratory ⁺	1	66

For Courses having more than 2 Divisions, additional Laboratories equivalent to the required number on pro rata basis for the said Courses shall be created.

* Applicable for Post Graduate Course only.

+ Language Laboratory shall have a minimum of 20 Computers with appropriate Software. Additional Laboratory required, if number of Divisions >5.

++ Additional Library area of 50 m² per 60 Students beyond 420 "Approved Intake".

"X" Category Courses such as Mechanical, Production, Civil, Electrical, Chemical, Textile, Marine, Aeronautical and Allied Courses shall require an Additional Laboratory/ Workshop.

Drawing Halls, Computer Centres and Workshops to be created as given below:

Approved Intake	Computer Centre	Workshop	Drawing Hall
Up to 600	1	1	1
601-1200	2	2	2

Infrastructure Requirement shall be calculated on pro rata basis for "Approved Intake" greater than 1200

Additional Laboratories to be created (if required) as per Curriculum of the concerned affiliating University.

Under Graduate Laboratories, if shared with Post Graduate Courses shall be upgraded to meet requirements of Post Graduate Curriculum.

The Institution shall have one Smart Class Room/ Course with LCD projector, Smart Board, Internet Connection, etc.

Seminar Hall shall have proper furnishing and equipment such as LCD projector, Smart Board, PA system and Executive Chairs.

Institutions shall have MOOCs Facility Centre and Innovation/ Fab Laboratory.



4.2.2 Administrative Area (Carpet Area) in m²

	Principal/ Director Office	Board Room	Office all inclusive	Cabin for Head of Department and Department Office	Faculty Rooms	Central Stores	Maintenance	Security	Housekeeping	Pantry for Staff	Examinations Control Office	Placement Office
Carpet Area in m ² per Room	30	20	150* 300 [§]	20	5	30	10	10	10	10	30	30
Number of Rooms required for new Technical Institution	1	1	1	-	First Year Student intake/ 15	1	1	1	1	1	1	-
Total Number of Rooms	1	1	1	1/Department	One per Faculty (as per norms) in the Institution	1	1	1	1	1	1	1

[§]Technical Institution having more than one Programme

* Technical Institution having one Programme

4.2.3 Amenities Area (Carpet Area) in m²

	Toilets (Ladies & Gents)	Boys Common Room	Girls Common Room	Cafeteria	Stationery Store and Reprography	First Aid cum Sick Room	Principal's quarter	Guest House	Sports Club/ Gymnasium	Auditorium/ Amphitheatre	Boys Hostel	Girls Hostel
Carpet Area in m ² per Room for the Technical Campus having more than one Program	350*	100	100	150	10	10	150	30	200	400	Adequate	Adequate
Carpet Area in m ² per Room for Technical Campus having one Program	150 [§]	75	75	150	10	10	150	30	100	250	Adequate	Adequate
Number of Rooms required for the new Technical Institution	Adequate	1	1	1	1	1	-	-	-	-	-	-
Total Number of Rooms	Adequate	1	1	1	1	1	Desirable	Desirable	Desirable	Desirable	Desirable	Desirable

* Total area for the Technical Institution having more than one Programme

[§] Total area for the Technical Institution having one Programme

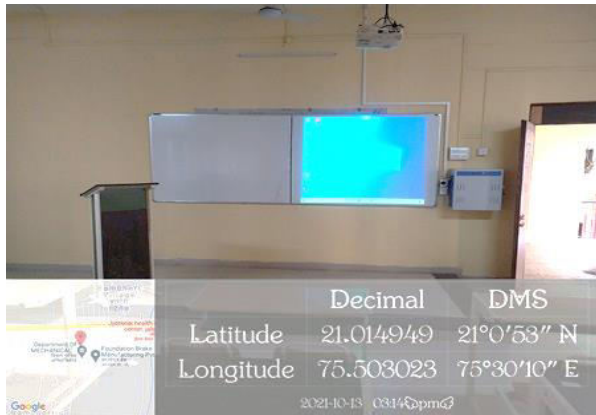
4.2.4 Circulation Area in m²

Access and Circulation area (ACA) of 25% of sum of Instructional, Administrative and Amenities area is desired covering common walkways, staircases and entrance lobby.



2. Photos of Classrooms, Laboratories, Central Library and Central Workshop

Department of Computer Engineering – Class Rooms, Labs



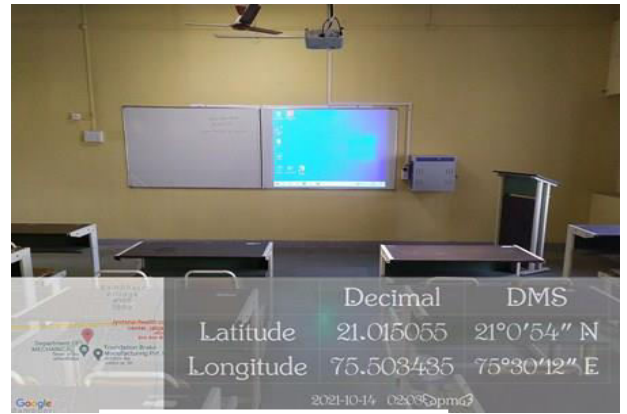
Classroom No. 114



Classroom No. 316



Classroom No. 320



Classroom No. 321



Classroom No. 322



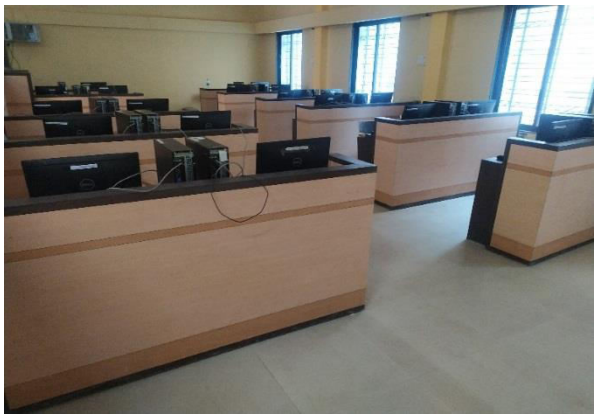
Classroom No. 325



Lab 1



Lab 2



Lab 3



Lab 5



Lab 6



Lab 7



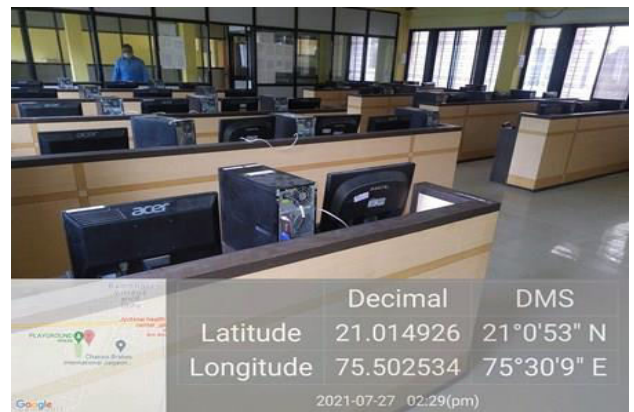
Lab 8



Lab 9



Lab 11

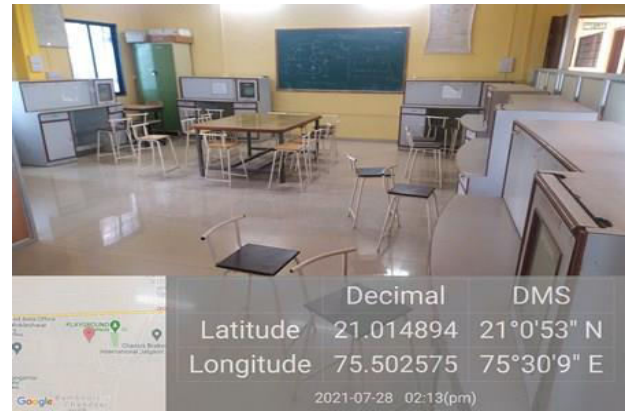


Lab 13

Department of Electronics and Telecommunications Engineering (E&TC)- Labs



NAS Lab



ED&TM Lab



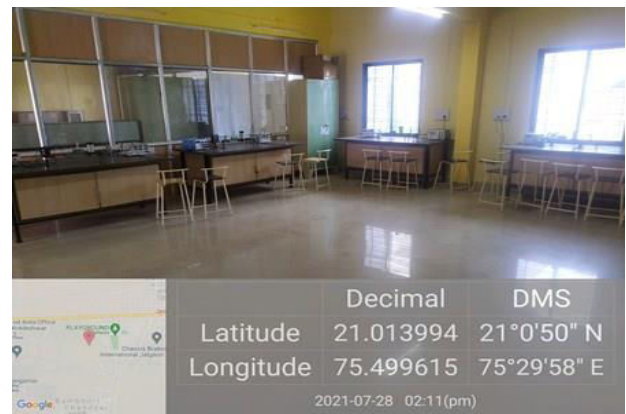
Research Lab



Power Electronics Lab



PCB Lab

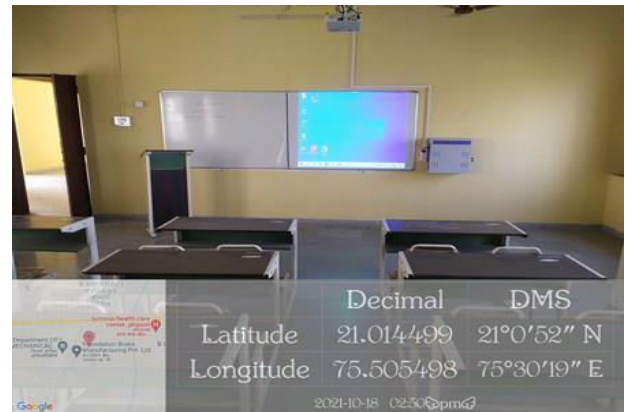


RMT Lab

Department of Civil Engineering – Class Rooms, Labs



Classroom No. 303



Classroom No. 305



Geotechnical Engg. Lab



Geology Lab



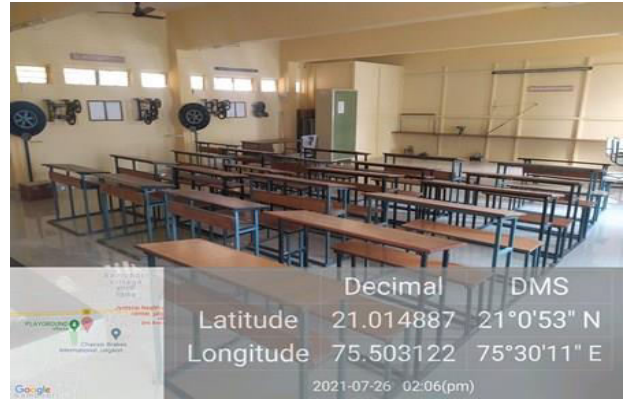
Survey Lab



Fluid Mechanics - II



Environmental Lab



Lab I – Engineering Mechanics



Lab II – Engineering Mechanics

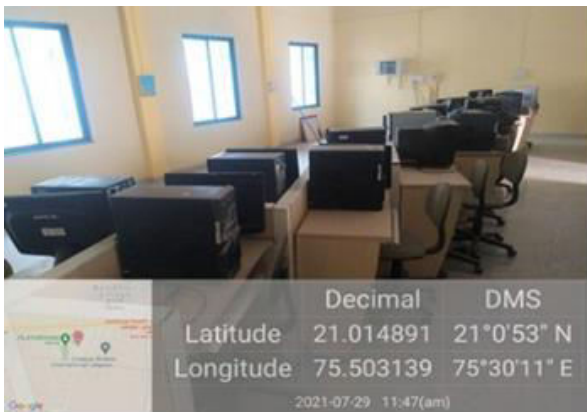
Department of Biotechnology Engineering-Labs



Lab 7 – Project



Lab 8 – Plant Tissue Culture



Lab 9 – Bioinformatics Lab



Lab 11 – Research Lab

Department of Chemical Engineering-Labs

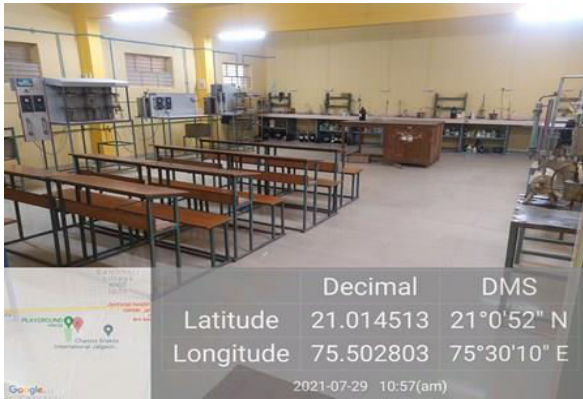


Lab 3 – Fluid Flow Operation



Lab 7 – Project

Lab 4 – Mechanical Operation

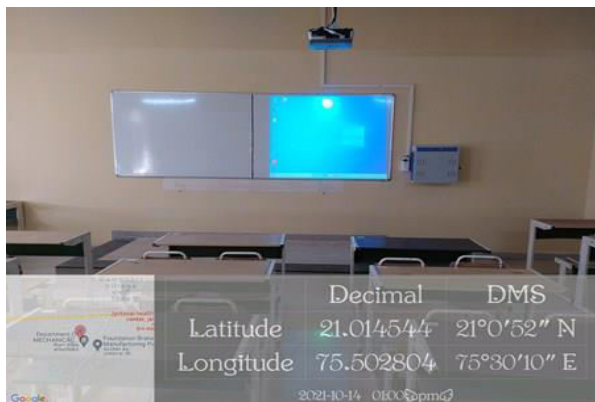


Lab 9 – Chemical Reaction



Lab 11 – Research Lab

Department of Applied Science- Class Rooms



Classroom No. 133



Classroom No. 232

Department of Electrical Engineering -Labs



	Decimal	DMS
Latitude	21.014132	21°0'50" N
Longitude	75.502517	75°30'9" E

2021-07-24 11:24(am)

Research Lab



	Decimal	DMS
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Longitude	75.502826	75°30'10" E

2021-07-24 11:39(am)

Electrical Machine Lab - II



	Decimal	DMS
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Longitude	75.502595	75°30'9" E

2021-07-24 11:35(am)

Industrial Drives and Control Lab



	Decimal	DMS
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Longitude	75.502847	75°30'10" E

2021-07-24 11:33(am)

PG Lab

Department of Mechanical Engineering – Class Rooms, Labs



Classroom No. M304



Classroom No. M306



Theory of Machine Lab



Model Lab



**Material Science and Engineering
Metallurgy Lab**



Tribology Lab



Mechatronics Lab



Heat Transfer Lab

Central Library



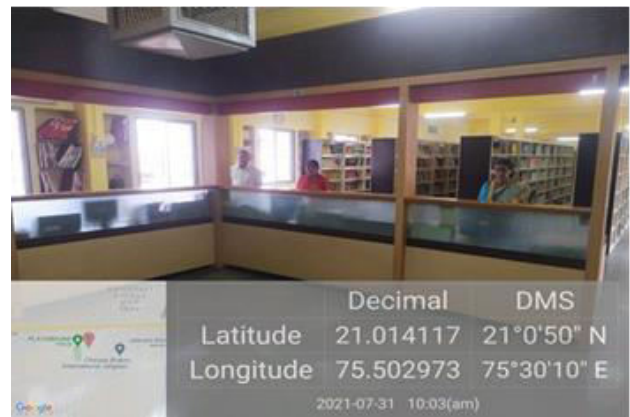
Newspaper Section



PG Reading Room



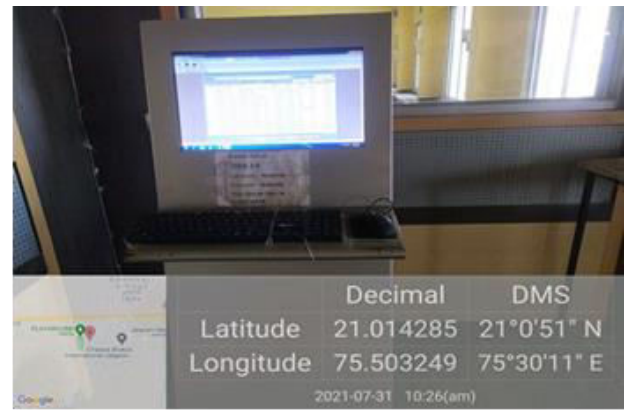
Rack for Reading Room



Book Issue Counter



Librarian Cabin



Soul - Help Desk Centre

Central Workshop



CNC Lathe Machine



Shaper Machine Section



Power Hacksaw Machine



Plumbing Section



Turning Section



Foundry Section



Smithy Section

3. Photos of Central Facilities: - R. O. system, Bus Facility, Open Air Theatre, Vehicle parking, Indoor Stadium, Yoga Centre, Gymnasium, Medical Facility etc.



Central R. O. System



Bus Facility



Open Air Theatre



Vehicle Parking



Guest House



Indoor Game Facility



Indoor Game Facility



Yoga Centre



Gymnasium Facility



Medical Facility