



Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure & physical facilities for Teaching- Learning, viz., classrooms, laboratories, computing equipment Etc.

Sr. No.	Particulars
1	Response
2	List of Physical Facilities
3	Photographs of Physical Facilities
4	Departmental Laboratory details
5	Photographs of Departmental Laboratory
Link for Document	https://www.rajgad.edu.in/AQAR22-23/Cr4/4.1.1.pdf



Principal

Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.
Dhangawadi, Pune-412206

1. Response:

As per says AICTE standards, the institute has beautiful landscape, aesthetic architecture, environment friendly atmosphere, spacious classrooms, well-equipped laboratories, and good infrastructure.

Land Availability:

A total of 15 acres of land allocated, which occupies 18735 sq. m. of the total area for the academic building. The remaining area is utilized for parking, a playground, a hostel, canteen, and other amenities.

Classrooms & laboratories:

The institute provides well-furnished and well-ventilated classrooms and laboratories with proper visibility and audibility. The institute provides 35 laboratories with a proper experimental setup. The classrooms and laboratories have all the required facilities with Wi-Fi connectivity.

Seminar Hall:

The institute has a 251 sq m Seminar Hall where technical speaking events both inside and outside the institution, and other activities can be organized. The room for meetings is equipped with all the amenities recommended by AICTE guidelines

Workshop:

The institute's workshop has 25 items of fully functional equipment. It is up to the students to complete their fabrication job. The workshop is going to cost us 19.34 lakhs.

Central Library:

Print titles, volumes, journals, and books are available at library. Digital libraries offer digital materials such as NPTEL videos and e-books.



2. List of Physical facilities Details:

Sr. No.	Particulars	No. Available	Available Total Area (sq.m)
1	Classrooms	15	1050
2	Workshop	1	200
3	Additional Workshop	2	430
4	Drawing Hall	1	132
5	Seminar Hall	1	251
6	Central Library	1	505
7	Computer Centers	1	167
8	Innovation Cell	1	153
9	Amenities Area	13	39066
10	Administrative Area	12	1066.41
11	Laboratories	30	2170.25

- ❖ **Classrooms**
- ❖ **Well Equipped Laboratories**
- ❖ **Tutorial Rooms**
- ❖ **Sports, Cultural & Gymnasium Facilities**
- ❖ **Wi-Fi Enable Campus**
- ❖ **Central Library**
- ❖ **Administrative Area**
- ❖ **Seminar Hall**
- ❖ **Canteen**
- ❖ **Hostel**



Infrastructure view

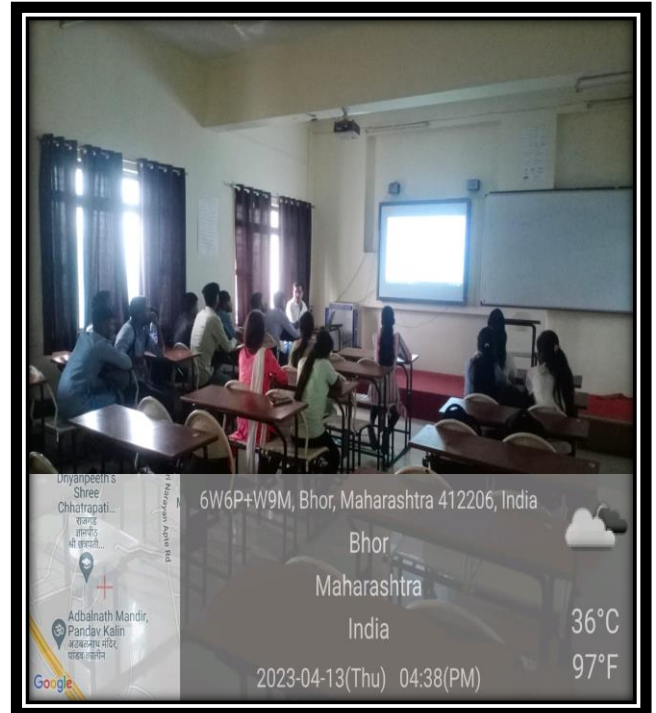


3. Photographs of Physical Facilities

A. Classrooms:

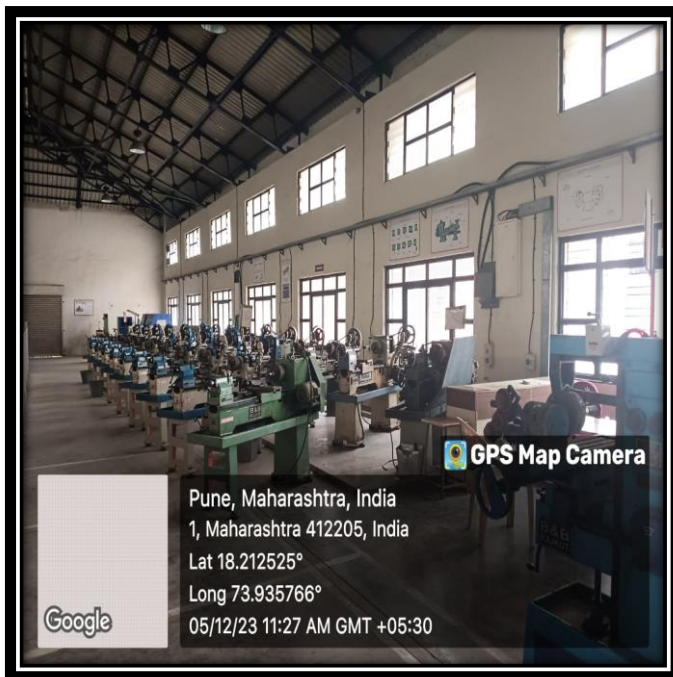


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B. Workshops:



Workshop- 1



workshop-2



C. Drawing Hall



Drawing Hall

D. Seminar Hall



Seminar Hall



E. Central Library



Books Arrangement

Digital Library



Seating Arrangement



F. Departmental Library:



Civil Department Library



Mechanical Department Library



E & TC Department Library



Computer Department Library



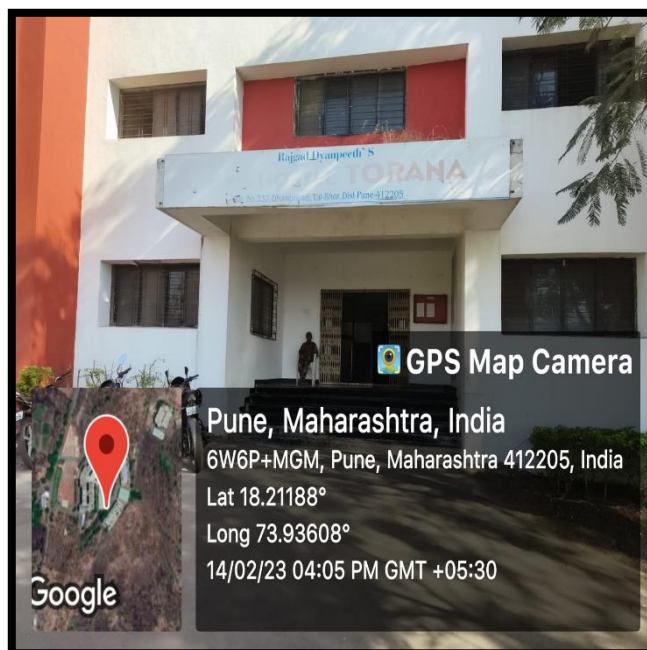
G. Computer Center:



Central Computer Lab

Language Lab

H. Amenities Area:



College Canteen

Boy's Hostel



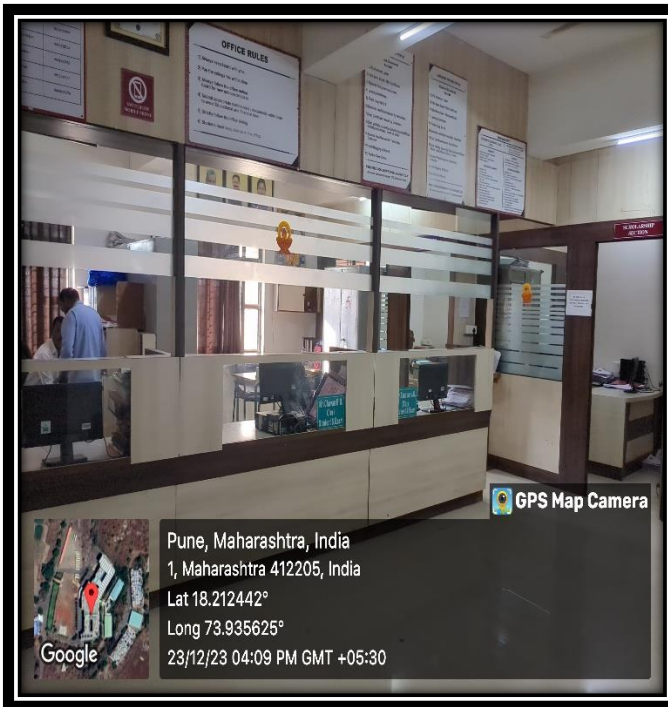
I. Administrative Area:



Principal Cabin



Board Room



Administration Cell



Management Cabin



4. Departmental Laboratory Details:

Department Name	Laboratory Name	Room No.	Area (Sq.M.)	Lab Cost (INR in Lakh)
Department of Mechanical Engineering	Heat Transfer Lab	005	70	2,78,156/-
	CAD/CAM Lab	008	70	19,23,960/-
	BME & MQC Lab	009	90	5,89,618/-
	Thermal Lab	012	72	4,46,400/-
	TOM/DOM Lab	013	95	4,53,678/-
	HP Lab	014	72	4,63,931/-
	RAC Lab	015	72	6,14,531/-
			Total cost	47,70,274/-
Department of Civil Engineering	Concrete Technology & Transportation Engg. Lab	019	70	7,94,580/-
	Strength of Material Lab	020	70	9,12,557/-
	Geotechnical Engg. Lab	106	93	2,98,545/-
	Civil Computer Lab	109	70	9,17,568/-
	Surveying & Engg. Geology Lab	110	71.25	7,84,175/-
	Enviromental Engg. Lab	112	70	5,76,563/-
	Engineering Mechanics Lab	113	70	55,313/-
	Fluid Mechanics Lab	Workshop-2	200	13,10,588/-
			Total cost	56,49,889/-
Department of Computer Engineering	Computer Center	201	167	16,24,775/-
	Project Lab	202	75	3,88,712/-
	Hardware & IOT Lab -1	203	70	3,59,546/-
	Programming Lab-1	205	70	4,56,712/-
	Databased Lab	210	66	8,63,312/-
	Computer Network Lab	211	66	8,63,312/-
	Language Lab	213	70	15,73,812/-
	O.S. Lab	220	75	4,56,712/-
			Total cost	62,80,893/-



Department Name	Laboratory Name	Room No.	Area (Sq.M.)	Lab Cost (INR in Lakh)
Department of Electronics & Telecommunication Engineering	Simulation Lab	304	70	20,42,011/-
	Electrical & Power Electronics Lab	305	70	3,16,135/-
	V.L.S.I Lab	308	66	9,99,886/-
	Advanced communication Lab	309	66	10,71,765/-
	Electronics Devices & Circuit Lab	310	66	17,78,331/-
	Analog & Digital communication Lab	313	70	8,44,712/-
	Embedded System Lab	314	70	8,95,261/-
			Total cost	79,48,101/-
			Overall Total Cost	2,46,49,157/-



5. Photographs of Departmental Laboratory:



Mechanical Dept. (Computer Laboratory)



E & TC Dept. (Electronic devices & Circuits laboratory)





Civil Dept. (Environmental Engg. Lab)



Computer Dept. (Computer Network laboratory)

