



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/AQAR21-22/Cr4/4.1.1.pdf |



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

1. Response:

According to AICTE standards, the institute has suitable facilities, beautiful landscape, aesthetic architecture, environment friendly atmosphere, spacious classrooms, well-equipped laboratories, and good infrastructure.

Land Availability:

The institution has a total of 15 acres of land allocated with occupies 18735 sq. m. of the total area for Academic building. The remaining area is utilized for Parking, playground, hostel, canteen, and other amenities.

Classrooms& laboratories:

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

Seminar Hall:

The institute has a 251 sq. m. Seminar Hall where expert lectures, curricular and extracurricular events, etc. can be held. The seminar room have all those facilities which is suggested by AICTE standards.

Workshop:

The institute workshop is fully equipped with 25 no. of machineries. Students are free to carry out their fabrication work. The cost of workshop is 19.34 lakhs.

Central Library:

In library printed titles, volumes, journals and magazines are available. Digital library provides e- resources like e-books, NPTEL video etc.



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**
- ❖ **Seminar Hall**
- ❖ **Central Library**
- ❖ **Wi-Fi Enable Campus**
- ❖ **Canteen**
- ❖ **Hostel**

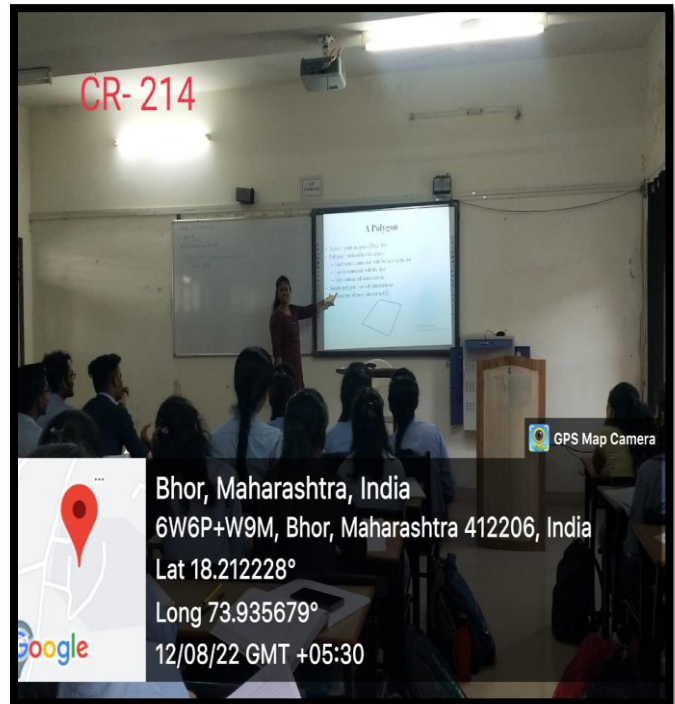
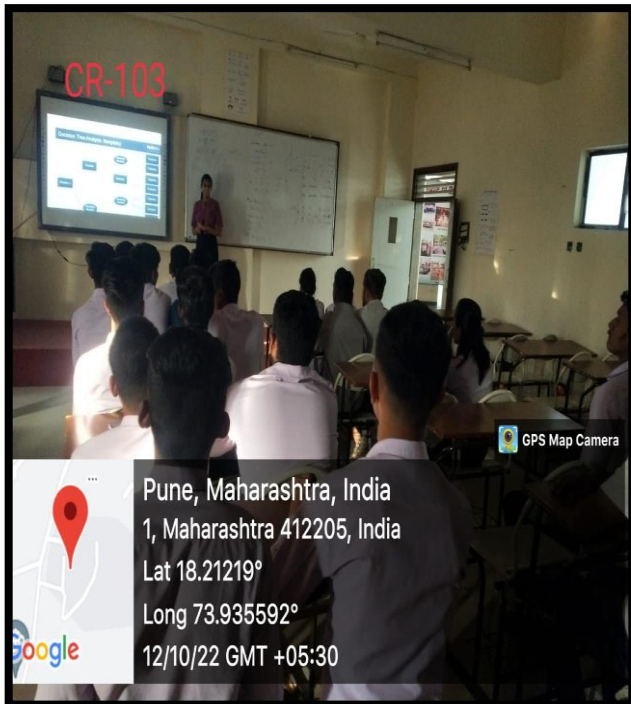


Infrastructure view



3. Photographs of Physical Facilities

A. Classrooms:



B. Workshop



Workshop

Additional Workshop

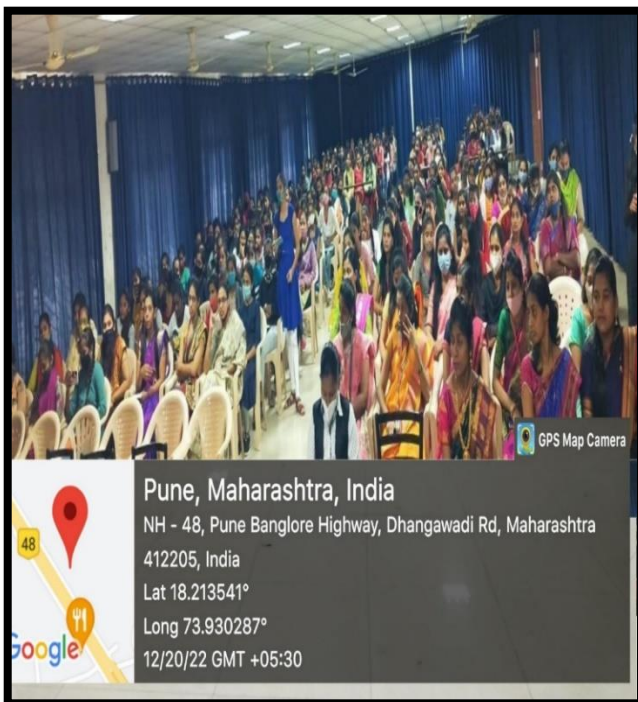


C. Drawing Hall



Drawing Hall

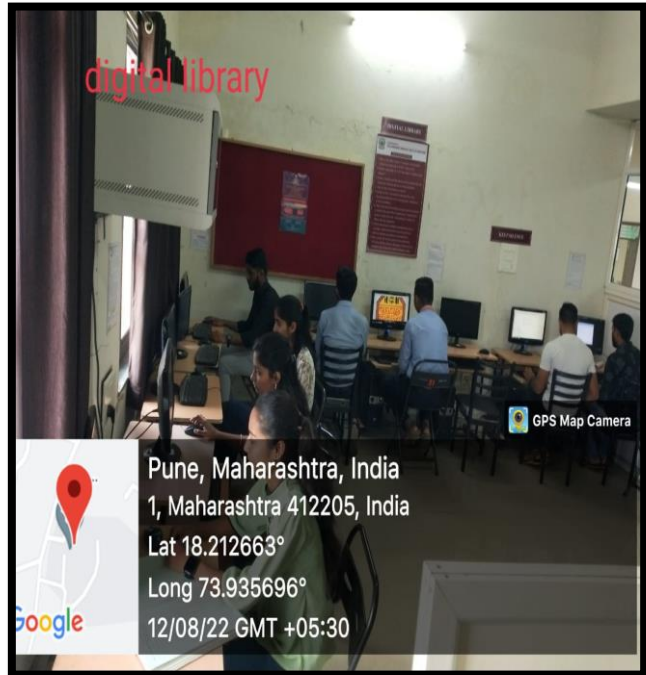
D. Seminar Hall



Seminar Hall

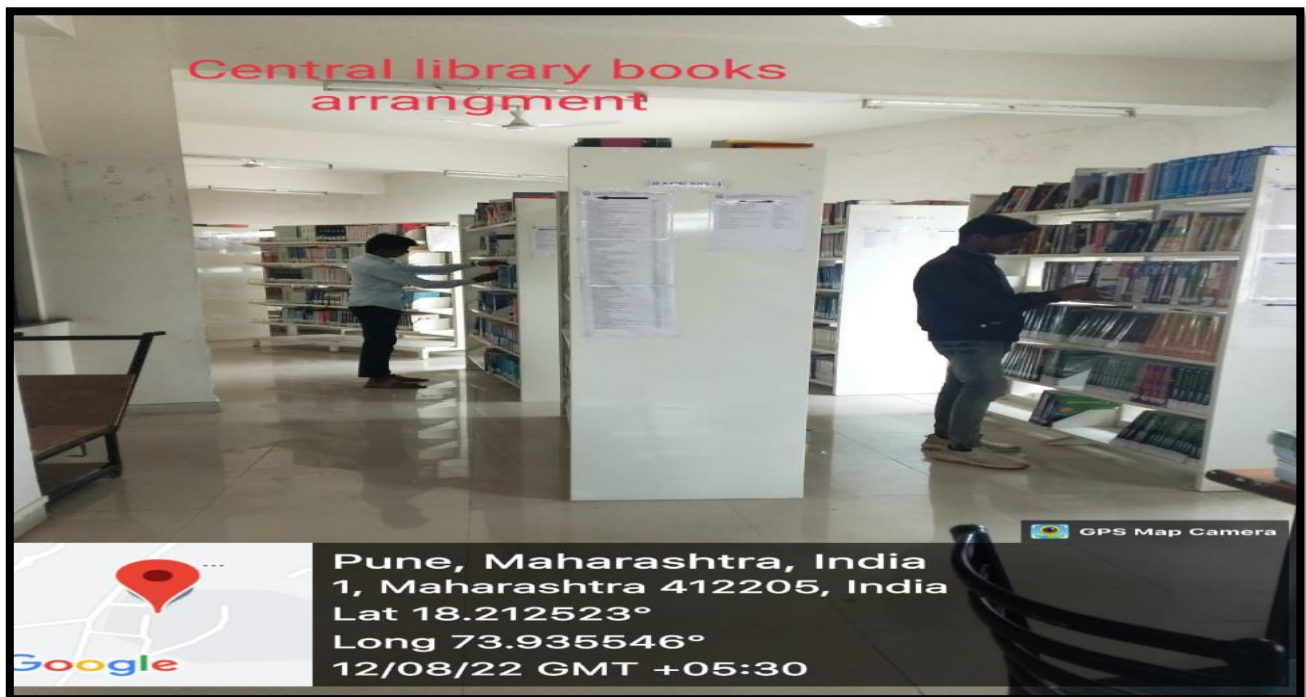


E. Central Library



Library Sitting Arrangement

Digital Library



Library Books Arrangement



F. Departmental Library:

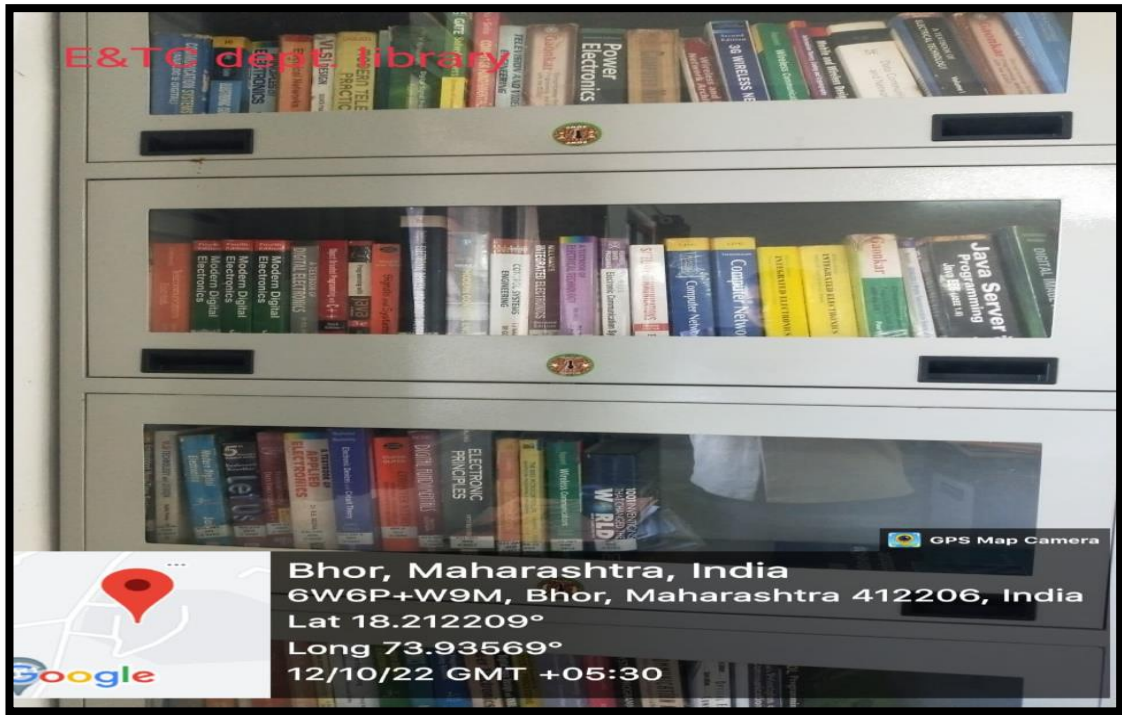


Civil Department Library



Mechanical Department Library





E & TC Department Library



Computer Department Library



G. Computer Center:



Central Computer Lab



Innovation Cell

H. Amenities Area:



College Canteen



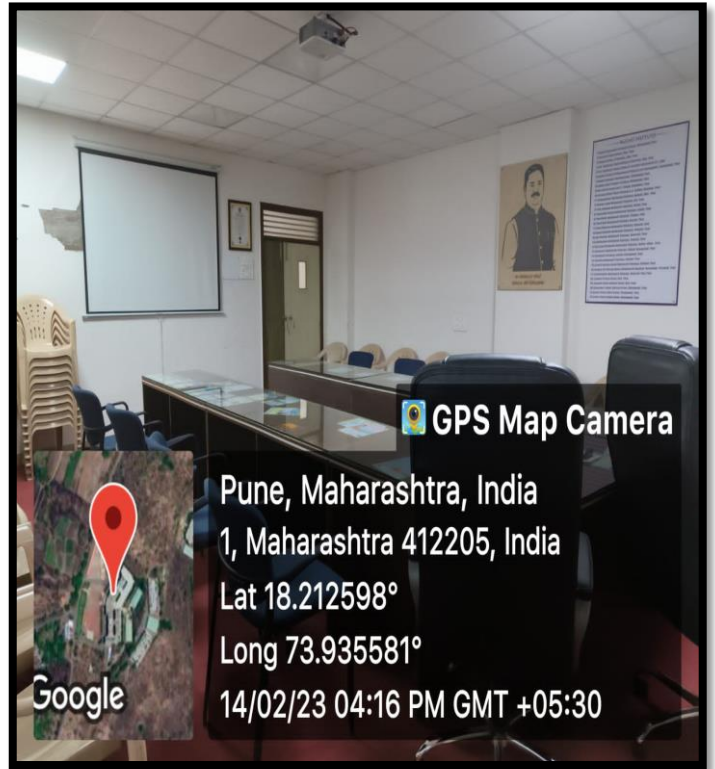
Boy's Hostel



I. Administrative Area:



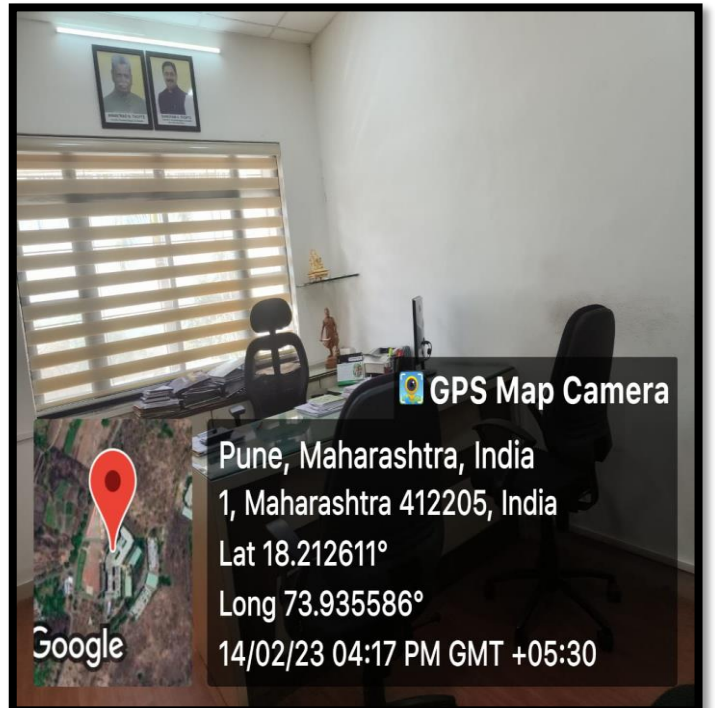
Principal cabin



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 | 14,59,256/- |
| | BME & MQC Lab | 009 | 90 | 5,89,618/- |
| | Thermal Lab | 012 | 72 | 4,14,000/- |
| | TOM/DOM Lab | 013 | 95 | 3,38,416/- |
| | HP Lab | 014 | 72 | 3,98,531/- |
| | RAC Lab | 015 | 72 | 6,14,531/- |
| | | | Total cost | 41,19,508/- |
| Department of Civil Engineering | Concrete Technology & Transportation Engg. Lab | 019 | 70 | 7,90,091/- |
| | SOM Lab | 020 | 70 | 9,52,350/- |
| | Geotechnical Engg. Lab | 106 | 93 | 2,98,545/- |
| | CAD Lab | 109 | 70 | 7,84,300/- |
| | Surveying & Geology Lab | 110 | 71.25 | 6,94,430/- |
| | Environmental Engg. Lab | 112 | 70 | 5,47,840/- |
| | Engineering Mechanics Lab | 113 | 70 | 25,311/- |
| | | | Total cost | 40,92,867/- |
| Department of Computer Engineering | Computer Center | 201 | 167 | 16,24,775/- |
| | Project Lab | 202 | 75 | 4,56,712/- |
| | 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 | 11,99,812/- |
| | 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 | Computer Lab | 304 | 70 | 14,45,356/- |
| | Electrical Lab | 305 | 70 | 5,80,169/- |
| | V.L.S.I Lab | 308 | 66 | 12,20,892/- |
| | Advanced communication Lab | 309 | 66 | 10,71,762/- |
| | Electronics Devices & Circuit Lab | 310 | 66 | 14,02,501/- |
| | Analog & Digital communication Lab | 313 | 70 | 9,00,650/- |
| | Micro Controller Lab | 314 | 70 | 9,11,582/- |
| | | | Total cost | 75,32,912 |
| | | | Overall Total Cost | 2,20,26,180/- |



5. Photographs of Departmental Laboratory:



Mechanical Dept. (Hydraulics & Pneumatics Laboratory)



Civil Dept. (Environmental Engg. Lab)





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



Computer Dept. (Computer Network laboratory)

