
	Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering & Research Ravet, Pune IQAC PCCOER	
Academic Year: 2025-26	DEPARTMENT OF BCA	Record No. ACAD/R/16

REPORT ON INDUSTRIAL VISIT TO GIANT METREWAVE RADIO TELESCOPE (GMRT)

Participants/Audience: BCA students and faculty members

Location: Giant Metrewave Radio Telescope (GMRT), Narayangaon, Pune

Date and time: 19/12/2025 & 7:00AM(departure)

Organized by PCCOER BCA Department

Purpose: Exposure to radio astronomy research, instrumentation, and data analysis

1) Objective

The objective of the industrial visit was to provide students with practical exposure to large-scale scientific research, advanced instrumentation, and real-world applications of computing and data analysis. The visit aimed to enhance students' understanding of radio astronomy, data management techniques, research methodologies, and the role of technology in scientific discoveries.

2) Content and Schedule Details:

The Industrial Visit was organized as a part of experiential learning for FY and SY BCA students. During the visit, students were introduced to the Giant Metrewave Radio Telescope, one of the world's largest radio telescope arrays operating at metre wavelengths. The experts at GMRT explained how the telescope works at metrewave radio frequencies, enabling the study of distant galaxies, pulsars, and other celestial objects.

Students learned about:



- The basic principles of radio astronomy
- The operating frequency range of GMRT and its scientific significance
- How large volumes of observational data are collected, processed, stored, and analyzed
- The role of computing systems, servers, and data pipelines in managing astronomical research
- How researchers use data analysis and software tools for scientific discoveries

3) Program Outcome



- Enhanced understanding of radio astronomy and metrewave radio telescopes
- Exposure to real-world applications of computing and data management
- Strengthened connection between academic learning and real-life research environments
- Practical insight into large-scale scientific instrumentation

Report prepared by –Adesh B Kamble FYBCA (Activity Co-ordinator)

Attendance of students

	Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering & Research Ravet, Pune	
Academic Year:2025-26	IQAC PCCOER	ACAD/R/15-B
FYBCA Industrial Visit Attendance		
Div :B		Date:19/12/25
Place :GMRT Narayangoan		

Sr No	PRN No	Name	Signature
1	CA25PRN0131	Apurva warade	<i>Apurva Warade</i>
2	CA25PRN0089	Likhit pawar	<i>Likhit Pawar</i>
3	CA25PRN0068	Srushti kute	<i>Srushti Kute</i>
4	CA25PRN0082	Aryan pardeshi	<i>Aryan Pardeshi</i>
5	CA25PRN0087	Raghuvir patil	<i>Raghuvir Patil</i>
6	CA25PRN0080	Pranali namde	<i>Pranali Namde</i>
7	CA25PRN0129	Disha waghmare	<i>Disha Waghmare</i>
8	CA25PRN0107	Purvaja shinde	<i>Purvaja Shinde</i>
9	CA25PRN0108	Sai shinde	<i>Sai Shinde</i>
10	CA25PRN0128	Vedant wadekar	<i>Vedant Wadekar</i>
11	CA25PRN0084	Pradnya patade	<i>Pradnya Patade</i>
12	CA25PRN0086	Akanksha patil	<i>Akanksha Patil</i>
13	CA25PRN0074	Krishna mahajan	<i>Krishna Mahajan</i>
14	CA25PRN0114	Arjun suryavanshi	<i>Arjun Suryavanshi</i>
15	CA25PRN0123	Snehal vahil	<i>Snehal Vahil</i>
16	CA25PRN0109	Shraddha shelar	<i>Shraddha Shelar</i>
17	CA25PRN0118	Divyanshu thakre	<i>Divyanshu Thakre</i>
18	CA25PRN0102	Samruddhi shahane	<i>Samruddhi Shahane</i>
19	CA25PRN0094	Tanvi ranshur	<i>Tanvi Ranshur</i>
20	CA25PRN0078	sayli more	<i>Sayli More</i>
21	CA25PRN0105	Aditya shette	<i>Aditya Shette</i>
22	CA25PRN0111	Pranali Solankar	<i>Pranali Solankar</i>

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FYBCA Industrial Visit Attendance		
Div :A		Date:19/12/25
Place :GMRT Narayangoan		

Sr No	PRN No	Name	Signature
1	CA25PCR0047	Aryan Kadam	<i>Aryan Kadam</i>
2	CA25PCR0013	Om Bhangale	<i>Om Bhangale</i>
3	CA25PCR0016	Pratiksha Burange	<i>Pratiksha Burange</i>
4	CA25PCR0049	Sneha Kale	<i>Sneha Kale</i>
5	CA25PCR0062	Ishwari Kolte	<i>Ishwari Kolte</i>
6	CA25PCR0041	Pratiksha Ingle	<i>Pratiksha Ingle</i>
7	CA25PCR0010	Sanskriti Bhabad	<i>Sanskriti Bhabad</i>
8	CA25PCR0043	Pranoti Jadhav	<i>Pranoti Jadhav</i>
9	CA25PCR0044	Vaibhavi Jadhav	<i>Vaibhavi Jadhav</i>
10	CA25PCR008	Tejal Barad	<i>Tejal Barad</i>
11	CA25PCR0033	Ashwini Devkate	<i>Ashwini Devkate</i>
12	CA25PCR0017	Bushra Shaikh	<i>Bushra Shaikh</i>
13	CA25PCR0045	Rudresh Jawade	<i>Rudresh Jawade</i>
14	CA25PCR0081	Adesh Kamble	<i>Adesh Kamble</i>
15	CA25PCR0022	Yogesh Chaudhary	<i>Yogesh Chaudhary</i>
16	CA25PCR0027	Shweta Chaudhary	<i>Shweta Chaudhary</i>
17	CA25PCR0019	Bhavesh Chaudhary	<i>Bhavesh Chaudhary</i>
18	CA25PCR0028	Nayan Dahake	<i>Nayan Dahake</i>
19	CA25PCR0037	Shubhangi Gaikwad	<i>Shubhangi Gaikwad</i>
20	CA25PCR0034	Kaustubh Dhade	<i>Kaustubh Dhade</i>
21	CA25PCR0025	Trisha Chavhan	<i>Trisha Chavhan</i>
22	CA25PCR0030	Vaishnavi Davi	<i>Vaishnavi Davi</i>

Photos of seminar

