



Sandip University, Nashik

School of Computer Sciences and Engineering (SOCSE)

Department of Computer Science & Applications

**Report on Industrial Visit To “Giant Meterwave Radio
Telescope, Narayangaon (GMRT)”**

Category of Event (Expert Lecture/Workshop/Symposium/Conference/Industry Visit/Meeting/Conference) : **Industry Visit**
Title (Name of Event) : **Giant Meterwave Radio Telescope, Narayangaon.**

Schedule : 28 February 2024

Venue : Giant Meterwave Radio Telescope, Narayangaon
Pune

Duration : 1 Days

Organizing Faculty/ Convener (s) : Dr. Vaibhav Sonaje

Organizing Department : Computer Science & Application
Mr. Prafulla chaudhari
Mrs. Jayashri Kunde
Mr. Mrutanjay Ranjan
Mrs..Kalyani Deore

Total Number of Participants : 37 Participants

Objectives : The objective of the Giant Meterwave Radio Telescope (GMRT) Project on ground visit in connection with Artificial Intelligence (AI) and Machine Learning (ML) could be in the perspective of R& D, to enhance the knowledge, efficiency and effectiveness of radio astronomy data analysis and interpretation. Like “To leverage Artificial Intelligence and Machine Learning techniques within the Giant Meterwave Radio Telescope Project to optimize data processing, analysis, and interpretation, thereby enhancing the discovery potential and scientific output of the GMRT. This involves developing advanced algorithms and models to handle the vast amounts of data generated by the telescope, enabling automated detection, classification, and characterization of celestial objects and phenomena. By integrating AI and ML methodologies, the GMRT aims to streamline operations, improve data quality, and facilitate breakthroughs in our understanding of the universe.”

About the activity : It is the offline activity for the Second Year BSc AIML Students of the Department of Computer Science and Application SOCSE, Sandip University, Nasik

Conclusion & Remarks : Students will learn in the perspective of research and development approach, that the Giant Meterwave Radio Telescope (GMRT) Project's use of AI and ML could advance radio astronomy. The GMRT uses AI and ML to revolutionize data processing, analysis, and interpretation to improve efficiency and effectiveness. Automated detection, classification, and characterization of celestial objects and phenomena advances our understanding of the universe. Insights of advanced algorithms and models to increase its discovery potential and scientific output, advancing astronomy and astrophysics.


Geotagged Photographs :





 GIANT METREWAVE RADIO TELESCOPE

Attendance

 SANDIP UNIVERSITY School of Computer Science and Engineering, Nashik Department of Computer Science and Application Course: BSc AIML & VR						
Industrial Visit Attendance List						
S.No.	Roll No	PRN	Name	Sign	Sign	
1	1	220105311001	MICHEAL MOSES JEURONLON			
2	2	220105311002	PASWAN SUDHIR SHANKAR			
3	3	220105311006	ARSH MATIN SHAIKH			
4	4	220105311007	TUSHAR RAMNATH KHANDBAHALE			
5	5	220105311008	JAMDHADE ABHISHEK GANESH			
6	6	220105311009	SAMADHAN AASARAM TILKAR			
7	7	220105311010	GANESH POPAT MANGATE			
8	8	220105311011	KHAPARE BHUSHAN GANESH			
9	9	220105311012	TANUJA TUKARAM SAHANE			
10	10	220105311015	KANGANE TANMAY MADHAV			
11	11	220105311016	SAMEER IDRIS TELI			
12	12	220105311017	DEEP PRABIR CHAKRABORTY			
13	13	220105311018	GHODKE PIYUSH KISHOR			
14	14	220105311019	PALDE GAYATRI SURESH			
15	15	220105311021	SHIRSATH SAMRUDDHI ANIL			
16	16	220105311023	KOKATE DEVDATTA YASHVANT			
17	17	220105311024	NIKAM SHREYA VISHWANATH			
18	18	220105311026	MALI VEDIKA LAXMAN			
19	19	220105311027	KALE MAHESH SAKHARAM			
20	20	220105311028	SALUNKE SAKSHI SHIVAJI			
21	21	220105311029	GOSAVI TANIYA SATISH			
22	22	220105311030	DALAVI AAKANKSHA PRAKASH			
23	23	220105311031	BHUMKAR AVINASH VISHNU			
24	24	220105311032	PAWAR SUSMIT GOKUL			
25	25	220105311033	SHUKLA SAKSHI VIJAYSHANKAR			
26	26	220105311034	GHULE ADITYA DATTATRAY			
27	27	220105311035	DEORE MAYURI PUNDLIK			
28	28	220105311036	GADAKH SHRADDHA BALASAHEB			
29	29	220105311038	SHIRSATH ANURAG VILAS			
30	30	220105311039	GURAV MINAL NARAYAN			
31	31	220105311040	RAUT HARSHAL RAJENDRA			
32	32	220105311041	JARGULA SAKSHITA TRIMLESH			
33	33	220105311042	INAMDAR SMITA RAVINDRA			
34	34	220105311043	HANDORE ABHISHEK ASHOK			
35	35	220105311045	DESAI PRANAV SANJAY			
36	36	220105311046	AWACHAR BHAGWAT KAILAS			
37	37	220105311047	PAWAR ROHIT VILAS			
38	38	220105311048	SHAH HETHVI JAYESH			

39	39	220105311049	GHULE ADITYA SURESH		
40	40	220105311050	PATIL NIKET PRASHANT		
41	41	220105311051	PARERA ADITYA SUDESHKUMAR		
42	42	220105311052	MOHINI PARSHURAM GAIKWAD		
43	43	220105311054	CHAUDHARI DEVENDRA RITESH		
44	44	220105311056	NIKAM NAYAN KESHAV		
45	45	220105311057	MOMIN MOHAMAD TALHA JAVEED AHMED		
46	46	220105311058	SHAIKH HASNAIN ZUBAIR		
47	47	220109041011	KANDEKAR JANHAVI PANDURANG		

48 48 220105311014 Sanshodh Sanyashti

Signature of Convener/Organizer

Signature of Head/Dean
27/03/24