



CSMSS  
CHHATRAPATI SHAHU MAHARAJ SHIKSHAN SANSTHA'S  
**CHH. SHAHU COLLEGE OF  
ENGINEERING**

Kanchanwadi, Paithan Road, Chhatrapati Sambhujinagar 431 002 (M.S)



## REPORT OF

"GMRT Science Exhibition 2026 (National Level Project Competition)"

**Date:** 28/02/2026 to 01/03/2026

**Time:** 9.00am-5:30pm

**Venue:** Giant Meter wave Radio Telescope (GMRT) TATA Institute of Fundamental  
Research Centre, Khodad, Narayangaon, Taluka -Junner, Dist. – Pune

**Goal:** Goal of project Competition is to encourage participants' inventiveness and originality. These contests inspire students to think creatively and come up with original solutions to issues by giving them a stage on which to present their concepts and projects.

### **Objective:**

The Project Competition, which took place on, 28/02/2026 to 01/03/2026, featured a wide variety of creative projects created by students. The purpose of the event was to encourage student innovation, teamwork.

**1. Encouraging originality and Innovation:** Goal of project Competition is to encourage participants' inventiveness and originality. These contests inspire students to think creatively and come up with original solutions to issues by giving them a stage on which to present their concepts and projects.

**2. Skill Development:** Participating in competitions gives individuals the chance to hone a variety of abilities, including technical proficiency, teamwork, communication, critical thinking, and problem-solving.

**3. Getting students involved:** Student participation in project Competition contests might help spread awareness of significant problems, advancements, or inventions. Participants' comprehension of the subject matter is deepened when they apply their theoretical knowledge to real-world projects through participation in the competition process.

### **Benefits:**

**Academic Integration:**

- Students applied theoretical concepts from their coursework into practical, tangible representations.

#### **Teamwork and Collaboration:**

- Group projects encouraged collaborative efforts and shared accountability among students.

#### **About Event:**

- February 28th is celebrated as National Science Day all over the country, commemorating the discovery of the Raman Effect by C.V. Raman, for which he was awarded the Nobel Prize in Physics in 1930.
- Each year, Science Day is celebrated at the Giant Metrewave Radio Telescope (GMRT) observatory at Khodad. The GMRT, which is the world's most powerful telescope operating at low radio frequencies, was built and is being operated by the National Centre for Radio Astrophysics (NCRA) of the Tata Institute of Fundamental Research (TIFR). Although the prime activity at NCRA and GMRT is to carry out frontline research in radio astronomy and astrophysics, and develop state-of-the-art instrumentation for this purpose, NCRA and GMRT observatory also have programmes to popularise science and technology among the general public, especially the student community.
- The Science Day celebrations comprise a major component of our outreach programmes. Science Day events are usually spread over two days starting 28th of February, in order to cater to the tremendous response from the general public, especially the students from the schools and colleges in the rural and semi-urban areas and districts in the western Maharashtra, especially those near the GMRT observatory. It is perhaps one of the largest Science Day events in rural India, with about a hundred schools, colleges and institutions participating, and over 25000 people visiting the observatory every year during the two-day event.
- The programme consists of a grand Science Exhibition, where children from the schools and colleges exhibit their science projects, and prizes are given for the best entries in different age groups. In addition, there are exhibitions illustrating astronomical themes and concepts, exciting results obtained with the GMRT, various subsystems of GMRT and illustrative models. There are also exhibits and live demonstrations from various research institutes and science popularisation groups, as well as teaching institutions such as the University of Pune and various national laboratories. There are also programmes to interact with well-known scientists and engineers and film shows on astronomical topics of current interest.

## Glimpses of the Event



Our students participated in the GMRT project competition and presented our two projects.

1. Farm Orbit- Your Farm's Entire System in One Orbit.
2. Agrinova- Autonomous AI farming Robot for Sustainable Agriculture.



Our Students Visited to Supercomputing lab at GMRT, (PARAM RUDRA Super Computer)



# Certificate Of Participation

This is to certify that **Ashutosh J. Nimbalkar** of the CSMSS, **CHH Shahu College of Engineering, Kanchanwadi, Palthan Road, Chhatrapati Sambhajinagar**, presented a project titled **"Farm Orbit - your Farm's Entire Eco-System, in one Orbit"** during the GMRT Science Day Exhibition held on 28th February and 1st March 2026 at GMRT Observatory, Khodad. This certificate is awarded to the student for his/her successful participation .

**Prof. Ishwara Chandra C.H**  
Chairman, Science Day Committee - 2026



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# Certificate Of Participation

This is to certify that **Pranita A. Moin** of the CSMSS, **CHH Shahu College of Engineering, Kanchanwad Palthan Road, Chhatrapati Sambhajinagar**, presented a project titled **"Farm Orbit - your Farm's Entire Eco System, in one Orbit"** during the GMRT Science Day Exhibition held on 28th February and 1st March 2026 at GMRT Observatory, Khodad. This certificate is awarded to the student for his/her successful participation .

**Prof. Ishwara Chandra C.H**  
Chairman, Science Day Committee - 2026



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Giant Meter wave Radio Telescope (GMRT) TATA Institute of Fundamental Research Centre, Khodad,



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 Dr. G. B. Dongre  
 Principal