



Government College (Autonomous), Rajahmundry
Department of Geology

Report on World Water Day 2025

1. Introduction

World Water Day, celebrated on March 22 every year, is an international observance that emphasizes the importance of freshwater and advocates for the sustainable management of freshwater resources. This year, the Department of Geology of Government College (Autonomous) Rajahmundry organized a special event to commemorate this day, aiming to spread awareness about water conservation, especially the importance of protecting our depleting groundwater resources.

2. Event Details

Date: March 22, 2025

Venue: Department of Geology

Theme: Conservation of Groundwater

Total Participants: 72 Students

3. Welcome and Opening Remarks

The program began with a warm welcome address by **Dr. M.R. Goutham, Head, Department of Geology**, who emphasized the pressing need to conserve groundwater and highlighted the role of geologists in managing this vital resource. In his initial remarks, Dr. Goutham stated:

"Groundwater is a silent lifeline for both rural and urban communities. It constitutes nearly 30% of the world's freshwater and supports agriculture, industry, and domestic needs. Despite its significance, it is often neglected in conservation policies. As educators and students of geology, it is our responsibility to advocate for sustainable groundwater usage and to educate the wider community on this issue."

4. Keynote Lecture by Dr. S.S.K. Chaitanya, HoD, Dept of Geology, CRR College, Eluru

The highlight of the event was a guest lecture delivered by **Dr. S.S.K. Chaitanya, Head, Department of Geology, Sir CRR College, Eluru**. Dr. Chaitanya delivered a comprehensive lecture titled *"Groundwater: The Hidden Resource – Challenges and Strategies for Conservation"*.



Highlights from Dr. Chaitanya's Lecture:

- **Hydrogeological Significance:** He elaborated on the formation of aquifers, types of groundwater reservoirs, and the natural recharge processes that sustain them.
- **Challenges in Groundwater Management:** He cited alarming statistics about over-extraction in India and linked it to agriculture, urbanization, and industrial usage.
- **Groundwater Pollution:** Dr. Chaitanya discussed major pollutants affecting groundwater including nitrates, fluoride, arsenic, and untreated sewage.
- **Climate Change Impact:** He highlighted how shifting weather patterns and reduced rainfall are impacting groundwater recharge rates.
- **Conservation Strategies:**
 - Artificial recharge techniques (e.g., percolation tanks, recharge wells)
 - Community awareness and participation
 - Water budgeting and efficient irrigation practices
 - Policy-level interventions and regulation of groundwater usage

Dr. Chaitanya concluded by urging students to take up groundwater mapping and local water resource audits as part of their academic projects.

5. Student Participation and Interaction The lecture was followed by an interactive Q&A session where students raised insightful questions about local groundwater issues, methods of rainwater harvesting, and careers in hydrogeology. Dr. Chaitanya provided encouraging and informative responses.

6. Outcome of the Program A total of **72 students** attended the event. The program successfully enhanced their understanding of groundwater systems, issues concerning over-extraction, pollution, and conservation. The lecture inspired many students to consider projects and careers related to water resources.

6. Feedback from Students At the end of the session, students were asked to provide feedback on the usefulness of the program. Below is a sample feedback form that was distributed:



Feedback Form – World Water Day Program

Date: March 22, 2025

Venue: Seminar Hall, [Your College Name]

1. Name: _____

2. Semester & Department: _____

3. How would you rate the overall program?

- Excellent
- Good
- Average
- Needs Improvement

4. Was the topic relevant to your curriculum and interests?

- Yes
- Somewhat
- No

5. What part of the program did you find most useful?

6. Suggestions for future events:

7. Any specific topics you would like covered in the future?

All the participants expressed their thankfulness to the resource person for enlightening them in the field of groundwater conservation.

8. Conclusion

The World Water Day observance at the Department of Geology, Government College (Autonomous) Rajahmundry was a meaningful and informative experience for all attendees. With groundwater conservation at the heart of this year's theme, the event contributed significantly to raising awareness and promoting responsible water stewardship among the student community. The department plans to continue such initiatives regularly and hopes to foster greater environmental responsibility among future geoscientists.

Dr. M.R. Goutham
Head
Department of Geology

