

Assabah Arts & Science College, Valayamkulam
Department of Geology

ANNUAL REPORT 2022-2023

INDEX

SI NO	DATE	PROGRAMME
1	29/11/22	SEMINAR
2	20/12/22	LIVE SKETCH COMPETITION
3	24/12/22	OLD AGE HOME VISIT
4	01/01/23	FIELD VISIT FOR FINAL YEAR
5	15/02/23	GEO FEST
6	28/2/23	SCIENCE ASSOCIATION EXHIBITION
7	07/03/23	FIELD VISIT FOR SECOND YEAR

PROGRAMME REPORT

Academic year 2022-2023

1. Name of Seminar: **Ground water recharge: An artificial scenario**

Date and Time	29/11/2022
Organized by	Department of Geology
Participants	Geology students of Assabah College
Venue	College auditorium

Dept. of geology conducted a seminar on “Ground water recharge: An artificial scenario” on 29/11/22. Mr. K V. Mohanan (Rtd.Supt.Hydrogeology) was the chief guest and resource person. On that day departmental club namely “Archipelago” was inaugurated and the logo was released. After the inaugural session, the students who have achieved academic excellence were felicitated.

The Department of Geology organized an insightful event focusing on the critical topic of groundwater recharge. With increasing concerns about water scarcity and depletion of natural groundwater reservoirs, artificial groundwater recharge methods have emerged as vital solutions to replenish groundwater levels. This report encapsulates the key highlights and insights from the event.

The primary objective of the event was to shed light on the significance of artificial groundwater recharge methods in sustaining water resources for present and future generations. It aimed to foster awareness, exchange ideas, and explore innovative approaches to enhance groundwater recharge.

The event commenced with an overview of the importance of groundwater recharge in maintaining ecological balance, supporting agriculture, and meeting domestic water needs. Participants delved into the challenges and threats associated with groundwater depletion, including over-extraction, pollution, and climate change impacts. Various artificial recharge techniques were discussed, including recharge pits, injection wells, recharge basins, and rooftop rainwater harvesting. Experts shared case studies highlighting the effectiveness and feasibility of these methods in different geographical contexts. The role of technology in optimizing artificial recharge processes was emphasized. Advancements in remote sensing, GIS (Geographic Information System), and groundwater modeling were explored as tools for site selection, monitoring, and management of recharge facilities. The event underscored the importance of community participation and stakeholder engagement in implementing artificial recharge projects. Case examples demonstrated successful community-led initiatives and participatory approaches.

The event organized by the Department of Geology served as a platform for knowledge sharing and collaboration among stakeholders interested in groundwater management. It highlighted the urgent need for concerted efforts to promote artificial groundwater recharge as a sustainable solution to address water scarcity challenges. Moving forward, continued research, innovation, and policy support will be crucial in realizing the full potential of artificial recharge techniques in water resource management.

Overall, the event provided valuable insights and momentum for advancing artificial groundwater recharge initiatives, paving the way for a more sustainable water future.

The inauguration of the Geology Club marked a significant milestone in fostering interest, collaboration, and knowledge exchange among geology enthusiasts within the community. The event also included the unveiling of the club's official logo, symbolizing its identity and mission.

The inauguration of the Geology Club and the unveiling of its official logo marked the beginning of an exciting journey towards promoting geoscience education, research, and collaboration. The event generated enthusiasm and momentum among participants, laying the foundation for a vibrant community of geology enthusiasts dedicated to exploring and understanding the Earth's geological wonders.

The Department of Geology organized a felicitation ceremony to honour students who demonstrated outstanding academic performance and excellence in the field of geology. The event aimed to recognize and celebrate the achievements of these students, inspire others, and foster a culture of academic excellence within the geology community.

The felicitation ceremony organized by the Department of Geology served as a momentous occasion to honor and celebrate students' academic excellence in the field of geology. It provided a platform to recognize their dedication, hard work, and passion for the subject, inspiring them to continue striving for excellence in their academic and professional endeavors.

Moving forward, the department aims to continue nurturing a supportive and conducive environment that encourages and empowers students to excel in geology. The felicitation ceremony reaffirmed the department's commitment to fostering a culture of excellence, innovation, and lifelong learning in the field of geology.



ASSABAH
Arts and Science College
valayankulam



Department of Geology

in association with IQAC

SEMINAR & GEOLOGY CLUB INAUGURATION

29/11/2022

College auditorium

GUEST



K. V Mohanan
(Rtd.Supt. Hydrogeology)

**Seminar on
ground water recharge:- An
artificial scenario**



FOR MORE DETAILS
CONTACT THE DEPARTMENT OF GEOLOGY



PROGRAMME REPORT

Academic year 2022-2023

2. Name of the Programme : **Live sketch competition**

Date and Time	20/12/2022
Organized by	Department of Geology
Participants	Assabah college students
Venue	Assabah Arts & Science college

On 20/12/22 a live sketch competition was organized by geology club.

The Geology Department organized a vibrant Live Sketch Competition within the college premises to celebrate the essence of geology through art. The event aimed to foster creativity, and encourage artistic expression among students. Students from various disciplines enthusiastically participated in the competition. Their diverse backgrounds contributed to a rich array of interpretations and perspectives on different themes. A panel of esteemed faculty members from the Geology Department assessed the sketches based on creativity, technical skill, relevance to the theme, and overall presentation. Judges evaluated each artwork meticulously, considering its accuracy and artistic merit. After careful deliberation, the judges selected the top three sketches based on the criteria outlined. The winners were awarded certificates of recognition and prizes to honour their outstanding contributions. Additionally, all participants received commendation for their dedication and enthusiasm.



PROGRAMME REPORT

Academic year 2022-2023

3. Name of the Programme : **Old age home visit**

Date and Time	20/12/2022
Organized by	Department of Geology
Participants	Assabah college geology students
Venue	Crescent old age home, kalakurissi, palakkad

As part of its commitment to social responsibility, the Department of Geology organized a visit to an Old Age Home. This initiative aimed to engage students in meaningful community service while fostering empathy and compassion towards the elderly. The primary objective of the visit was to provide companionship and support to the residents of the Old Age Home. Additionally, the Department sought to raise awareness among students about the challenges faced by the elderly and the importance of intergenerational solidarity.

The visit commenced with an interactive session where students and elderly residents engaged in conversations, shared stories, and exchanged experiences. Students also organized recreational activities such as games, musical performances, and art sessions to uplift the spirits of the residents and create a joyful atmosphere.

The visit had a profound impact on both students and residents alike. Students gained valuable insights into the lives of the elderly and developed a deeper appreciation for the wisdom and resilience of older generations. Conversely, the elderly residents expressed gratitude for the companionship and affection shown by the students, emphasizing the importance of such interactions in combating feelings of loneliness and isolation.

The Old Age Home visit organized by the Department of Geology served as a meaningful opportunity for students to connect with their community and make a positive difference in the lives of others. By fostering empathy, compassion, and social awareness, such initiatives contribute to the holistic development of students and promote a culture of service and empathy within the academic community. Moving forward, the Department remains committed to organizing similar outreach activities that promote social cohesion and mutual respect across generations.



PROGRAMME REPORT

Academic year 2022-2023

4. Name of the Programme : **Field trip**

Date and Time	01/01/2023 to 10/01/2023
Organized by	Department of Geology
Participants	Final year geology students
Venue	Karnataka & Tamilnadu

Dept. of geology organized field visit for final year students. For final years it is carried out from January 1st onwards and it lasts for 10 th of the same month. The expedition took through the beautiful sites of Karnataka and Tamil Nadu where the student had the opportunity to explore and collect vast varieties of rocks, minerals and fossils.

The Department of Geology organized a comprehensive geological field visit to Karnataka and Tamil Nadu aimed at providing hands-on experience and practical exposure to students and faculty members. The excursion covered various geological formations, landscapes, and significant geological sites in both states.

The field visit provided participants with valuable insights and learning experiences, including:

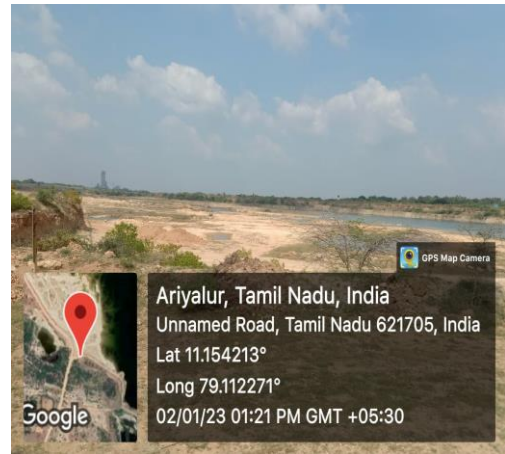
Enhanced understanding of geological concepts through practical exposure.

Development of fieldwork skills such as observation, data collection, and analysis.

Appreciation of the geological diversity and complexity of the Karnataka and Tamil Nadu regions.

Strengthening of academic and professional networks among participants.

The geological field visit to Karnataka and Tamil Nadu organized by the Department of Geology proved to be a highly enriching and rewarding experience for all participants. It not only facilitated hands-on learning but also fostered a deeper appreciation for the geological heritage and resources of the region. Such field visits play a crucial role in shaping the knowledge and skills of future geologists and contribute to the advancement of geological science.



PROGRAMME REPORT

Academic year 2022-2023

5. Name of the programme: **Geofest**

Date and Time	15/02/2023 to 16/02/2023
Organized by	Department of Geology
Participants	Geology students of Assabah College
Venue	Geology block

Dept. of geology organized a Geofest- “Interstellar” – A geological exhibition on 15th 16th February 2023. The exhibition was held over two days. The first day of exhibition was meant for college students and second day for high school & higher secondary students. As a part of geofest various competitions like quiz, games like fifa 22(play station), 3’s football were conducted for the students and prize distribution were organized by geo club.

The Geology Department of proudly organized GeoFest, a captivating geological exhibition aimed at promoting awareness and appreciation for the Earth sciences among students, faculty, and the wider community. GeoFest showcased the diverse facets of geology through interactive displays, informative presentations, and engaging activities. GeoFest featured a wide array of geological specimens, ranging from rocks and minerals to fossils. These displays provided visitors with a tangible insight into the Earth's geological diversity and history.

GeoFest received overwhelming participation and positive feedback from attendees, highlighting its success in achieving its educational and outreach objectives. GeoFest, was a resounding success, drawing attention to the fascinating world of geology and its relevance to society. By providing an immersive and educational experience for attendees, GeoFest reaffirmed the importance of promoting scientific literacy and fostering a passion for the Earth sciences. The Department looks forward to hosting similar events in the future to continue its mission of advancing geological knowledge and outreach efforts.





PROGRAMME REPORT

Academic year 2022-2023

6. Name of the programme: **science exhibition**

Date and Time	28/2/23
Organized by	Science association, Assabah college
Participants	Science students of Assabah College
Venue	College auditorium

On the occasion of World Science Day, the Science Association of Assabah college organized a captivating science exhibition to celebrate scientific inquiry and innovation. Geology students from the college actively participated in the exhibition, showcasing their knowledge, research, and enthusiasm for the Earth sciences.

Geology students curated engaging displays featuring a diverse range of geological specimens, including rocks, minerals, fossils. These exhibits provided visitors with an immersive glimpse into the Earth's geological diversity and evolution. Students actively engaged with visitors, providing explanations, answering questions, and sharing insights into the relevance of geology in everyday life. Through these interactions, students served as ambassadors for the Earth sciences, inspiring curiosity and appreciation for the natural world. The participation of geology students was part of a broader collaboration between different science departments within the college. This interdisciplinary approach underscored the interconnectedness of scientific disciplines and promoted a holistic understanding of science among exhibition attendees.

The participation of geology students in the science exhibition on World Science Day had a significant impact on both participants and visitors. Students gained valuable experience in science communication, public engagement, and teamwork, while also enhancing their appreciation for the societal relevance of their field of study. For visitors, the exhibition provided a unique opportunity to learn about the Earth sciences, interact with students and faculty, and gain a deeper appreciation for the wonders of the natural world.

The science exhibition organized by the Science Association of [Insert College Name] served as a testament to the collective passion, talent, and dedication of geology students in promoting scientific literacy and awareness. By actively participating in the exhibition, geology students contributed to the celebration of World Science Day and reaffirmed their commitment to advancing scientific knowledge and outreach efforts. The event underscored the importance of fostering a culture of scientific inquiry, collaboration, and innovation within the college community and beyond.

PROGRAMME REPORT

Academic year 2022-2023

7. Name of the Programme : **Field trip**

Date and Time	07/03/2023 to 13/03/2023
Organized by	Department of Geology
Participants	Second year geology students
Venue	Andhrapradesh

Dept. of geology organized field visit for second year students. The field for second year is carried out on 7 th March 2023 and it lasts for 13 th on the same month and the location include various sites of Andra Pradesh.

The Department of Geology organized a significant geological field visit to Andhra Pradesh with the primary objective of providing practical exposure and hands-on learning opportunities to students and faculty members.

The field visit yielded several positive outcomes, including:

- Enhanced understanding of geological concepts and processes through practical exposure.
- Development of essential fieldwork skills such as observation, data collection, and analysis.
- Appreciation of the geological diversity and complexity of Andhra Pradesh.
- Strengthening of academic and professional networks among participants.

The geological field visit to Andhra Pradesh organized by the Department of Geology was highly beneficial and enriching for all participants. It provided valuable insights into the geological heritage and resources of the region while fostering collaborative learning and networking among students and faculty members. Such field visits are instrumental in shaping the knowledge and skills of future geologists and contribute significantly to the advancement of geological science.

