

Assabah Arts & Science College, Valayamkulam
Department of Geology

ANNUAL REPORT 2023-2024

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PROGRAMME REPORT

Academic year 2023-24

1. Name of the Seminar: **Water: Science,Society & Politics**

Date and Time	26/09/23 ,10.30-12.30
Organized by	Department of Geology
Participants	Assabah college geology students
Venue	College conference hall

Dept. of geology conducted a seminar on “Water: Science,Society & Politics” on 26/09/23. Mr. Ranjith P Dinesh (MD,Geo Blue Water Solution) was the chief guest and resource person.


The seminar aimed to explore the interconnectedness of water science, societal dynamics, and political influences, specifically focusing on the significance of rivers in shaping landscapes and impacting human societies.

The seminar, organized on World Rivers Day, commenced with an introduction by the Speaker highlighting the importance of rivers in geological formations, ecosystems, and human civilizations. The discussion emphasized the multidisciplinary nature of studying rivers from geological, environmental, social, and political perspectives.

The seminar featured an interactive session where students engaged with the speakers, discussing case studies, current issues related to river management, and the intersection of science, society, and politics in addressing water-related challenges.

The session concluded by highlighting the need for holistic approaches in understanding rivers, emphasizing the integration of scientific knowledge, societal perspectives, and political considerations for effective river management and conservation.


Students gained a comprehensive understanding of the multifaceted aspects of rivers, realizing the intricate relationships between water science, societal dynamics, and political influences. They were encouraged to consider the broader implications of their geological studies on water resources and river systems.


 **ASSABAH ARTS & SCIENCE COLLEGE, VALAYAMKULAM**

GEOLOGY DEPARTMENT
PRESENTS

seminar on behalf of
WORLD RIVERS DAY

TOPIC
WATER : SCIENCE, SOCIETY & POLITICS

 **Ranjith.P.Dinesh**
(MD, GeoBlue Water Solutions)

 Conference hall

26 SEP 2023
10.30 AM





Alamcode, KL, India
Ponnani, Alamcode, 679575, KL, India
Lat 10.733371, Long 76.053978
09/26/2023 10:47 AM GMT+05:30
Note : Captured by GPS Map Camera



Alamcode, KL, India
Ponnani, Alamcode, 679575, KL, India
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Note : Captured by GPS Map Camera

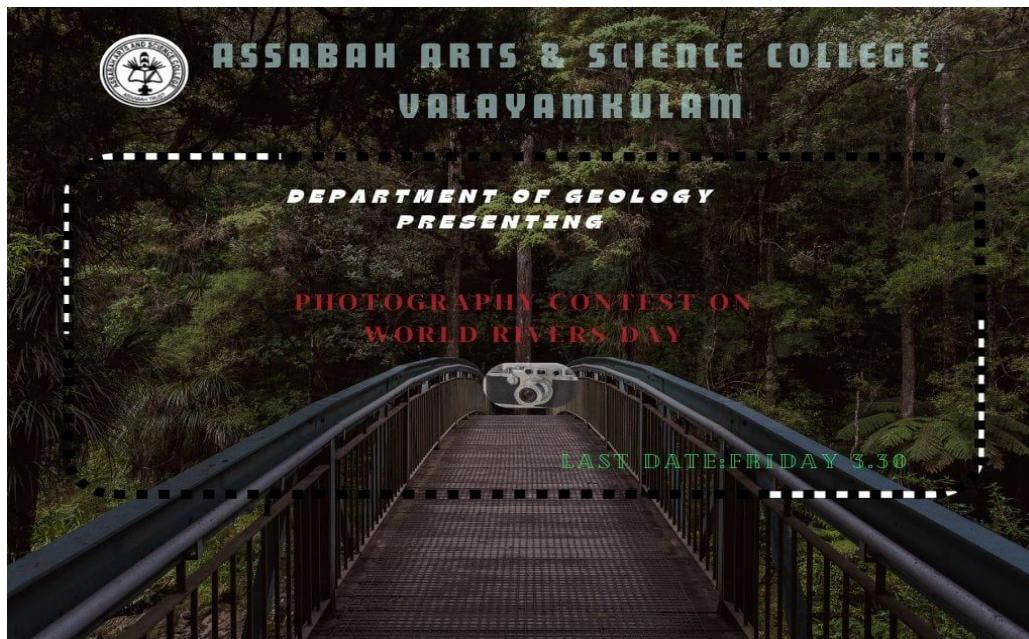
PROGRAMME REPORT

Academic year 2023-24

2. Name of the Programme : **Photography contest**

Date and Time	26/09/23
Organized by	Department of Geology
Participants	Assabah college students
Venue	Assabah Arts & Science college

Photography contest on 26/09/23 –on behalf of world rivers day



The photography contest organized by the Geology Department in celebration of World Rivers Day is a captivating event that encourages participants to showcase their artistic talents while raising awareness about the importance of rivers. This program serves as a platform for individuals to express their appreciation for rivers through the lens of a camera, capturing the beauty, significance, and challenges faced by these vital water bodies.

Participants are invited to submit their best photographs within three days from the date of announcement of the contest & the entries that highlight various aspects of rivers, including their geological features, ecological importance, cultural significance, and the impact of

human activities. The contest aims to foster a deeper understanding of the crucial role that rivers play in the Earth's geology and ecosystems.

Judges, consisting of experts from the Geology Department, evaluate the submissions based on creativity, technical skill, and relevance to the theme. Prof. Muhamed Koya M N, the Principal, awarded cash prizes generously sponsored by the institution's management, showcasing their commitment to recognizing student talent.

The programme not only celebrates the beauty of rivers but also serves as a means to engage the community in discussions about sustainable practices and the protection of these vital water resources. Through the lens of photography, the contest contributes to a greater appreciation of the interconnectedness between geology, ecology, and human activities in relation to rivers.

PROGRAMME REPORT

Academic year 2023-24

3. Name of workshop: **Basics of GIS**

Date and Time	21/12/23 ,9.30-3.30
Organized by	Department of Geology
Participants	Inter College Geology 2 nd yr Students
Venue	Geology lab,Assabah Arts & Science college

Dept. of geology conducted a workshop on Basics of GIS on 21/12/23. MS. Samreena Mohammed (Senior Reaserch Fellow,MES College Ponnani) was the resource person.the workshop is conducted for second year Geology students.

The workshop aimed to introduce second-year geology students to the fundamental concepts and practical applications of Geographic Information Systems (GIS) in the field of geology.

The workshop on the Basics of GIS was designed to familiarize geology students with the foundational principles, tools, and applications of GIS technology in geological research and mapping.

The main Topics Covered in the session include an overview of Geographic Information Systems, their components, and their importance in geology, emphasizing their role in spatial data analysis and visualization,GIS Software and Tools: Introduction to commonly used GIS software (such as ArcGIS, QGIS) and basic functionalities, including map creation, data manipulation, and spatial analysis & Data Handling and Georeferencing: Understanding spatial data types, georeferencing techniques, and coordinate systems essential for mapping geological features.It also covered the diverse applications of GIS in geology, including geological mapping, mineral exploration, environmental assessment, and hazard analysis.

The workshop included hands-on training sessions where students had the opportunity to work with GIS software. Exercises focused on creating maps, importing geological data, performing basic analyses, and interpreting spatial relationships.

Students actively engaged in discussions with facilitators, asking questions and discussing real-world examples of GIS applications in geological studies. The interactive sessions aimed to reinforce learning and clarify concepts.

The workshop concluded with a recap of key learnings, stressing the importance of GIS as a valuable tool for geologists. Students were encouraged to explore further applications of GIS in their geological studies and research projects.

The workshop provided second-year geology students with a foundational understanding of GIS technology and its relevance in geological research. It equipped them with basic skills necessary for spatial data analysis and mapping, fostering their interest in integrating GIS into future geological endeavors.

ASSABAH ARTS AND SCIENCE COLLEGE, VALAYAMKULAM
Department of Geology in association with KVUMDHO Pookarathara

ONE DAY WORKSHOP ON BASICS OF GIS
Monitored by IQAC
21/12/2023

SAMREENA MOHAMMED
SENIOR RESEARCH SCHOLAR
MES COLLEGE, PONNANI

GIS LAB 9.30-3.30





GPS Map Camera
Kokkur, Kerala, India
P3M3+964, Kokkur, Kerala 679591, India
Lat 10.733373°
Long 76.053084°
21/12/23 10:42 AM GMT +05:30



GPS Map Camera
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GPS Map Camera
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PROGRAMME REPORT

Academic year 2023-24

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

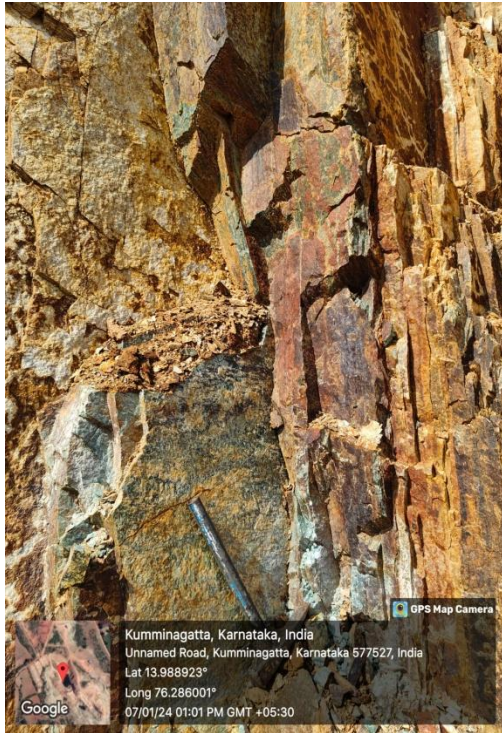
Date and Time	03/01/2024 to 10/01/2024
Organized by	Department of Geology
Participants	Final year geology students
Venue	Karnataka

Dept. of geology organized a field visit for final year students. The field for final year is carried out on 3 rd January 2024 and it lasts for 10 th on the same month and the location include various sites of Karnataka.

The field visit organized by the Geology Department for final-year students aimed to provide practical exposure and hands-on experience in applying geological concepts learned throughout the academic curriculum. The trip was designed to enhance students' fieldwork skills, promote teamwork, and deepen their understanding of geological processes in a real-world setting.

The field visit proved to be a valuable component of the final-year curriculum, offering students a holistic and immersive learning experience. Participants developed practical skills in geological fieldwork, honed their observational abilities, and gained a deeper appreciation for the complexities of geological processes outside the classroom.

The knowledge acquired during the field visit is expected to enhance the students' academic performance, enrich their understanding of geology, and contribute to their overall professional development. The Geology Department aims to continue organizing such field visits to bridge the gap between theoretical learning and real-world application for its students.





PROGRAMME REPORT

Academic year 2023-24

5. Name of seminar: **Research methodology**

Date and Time	19/02/24 , 10.30-12.30
Organized by	Department of Geology
Participants	Inter College Geology Students
Venue	Geology lab, Assabah Arts & Science college

The Geology Department conducted a seminar aimed at providing undergraduate students with a comprehensive understanding of research methodology within the field of geology on 19/02/24. The seminar was structured to equip students with the necessary skills and knowledge to conduct effective research in their academic pursuits and beyond.

The primary objective of the seminar was to familiarize undergraduate students with various research methodologies commonly employed in geological studies. Additionally, it aimed to enhance their critical thinking abilities, problem-solving skills, and understanding of the scientific process.

The seminar provided undergraduate students with a solid foundation in research methodology within the context of geology. By equipping them with essential skills and knowledge, it aimed to empower students to undertake independent research projects effectively. Furthermore, the seminar encouraged students to adopt a critical and ethical approach to research, thereby fostering a culture of academic integrity within the Geology Department.

Overall, the seminar was well-received by students, who expressed appreciation for the practical insights and guidance provided. It is hoped that the knowledge gained from the seminar will serve as a valuable asset as students continue their academic and professional journeys in the field of geology.



**ASSABAH ARTS AND SCIENCE COLLEGE,
VALAYAMKULAM**

DEPARTMENT OF GEOLOGY

IN ASSOCIATION WITH IQAC



ORGANIZED
SEMINAR
ON
RESEARCH METHODOLOGY



DR.SUBIN PRAKASH R
ASSISTANT PROFESSOR
FAROOK COLLEGE, CALICUT



19-02-2024
10.30AM-12.30PM



GEOLOGY LAB





PROGRAMME REPORT

Academic year 2023-24

6. Name of the Programme : **Career guidance programme**

Date and Time	01/03/24
Organized by	Geology Department & Psychology Department (Geopsy)
Participants	Geology & psychology students, Assabah college
Venue	Assabah Arts & Science college

Career guidance programme

The Geology Department, in collaboration with the Psychology Department, organized a career guidance seminar on 01/03/24 under the banner of 'Geopsy (Geology – Psychology association)', aimed at providing insights into career opportunities for students pursuing geology and psychology. The seminar sought to bridge the interdisciplinary aspects of these fields and guide students towards making informed career choices.

The seminar aimed to enlighten students about diverse career pathways available to graduates in geology and psychology. It focused on showcasing the overlap and synergy between these fields, providing students with a holistic perspective on potential career trajectories.

The Geopsy career guidance seminar provided a unique platform for geology and psychology students to explore diverse career opportunities and gain valuable insights into the intersection of these fields. By fostering collaboration between the Geology and Psychology Departments, the seminar aimed to empower students to make informed decisions about their future careers.

Feedback from participants highlighted the seminar's effectiveness in broadening their understanding of potential career paths and equipping them with practical strategies for professional development. It is anticipated that the knowledge and guidance gained from the seminar will inspire students to pursue fulfilling and meaningful careers in geology, psychology, or interdisciplinary domains bridging the two fields.

Overall, the Geopsy seminar served as a testament to the value of interdisciplinary collaboration in guiding students towards rewarding career pathways in science and beyond.



ASSABAH ARTS AND SCIENCE COLLEGE, VALAYAMKULAM

DEPARTMENT OF GEOLOGY
&
PSYCHOLOGY
IN ASSOCIATION WITH IQAC

GEOPSY

ASSOCIATION INAUGURATION



ZAKARIYA.M.V
Director & Principal
Career Counselor CIGI



01-03-2024
10.00AM-12.30PM



GEOLOGY BLOCK



Kokkur, Kerala, India
P3M3+964, Kokkur, Kerala 679591, India
Lat 10.733164°
Long 76.053128°
01/03/24 10:42 AM GMT +05:30

GPS Map Camera



PROGRAMME REPORT

Academic year 2023-24

7. Name of extension programme : **Surveillance of water quality in wells of Alamkode Panchayath**

Date and Time	12/03/24
Organized by	Department of Geology & Chemistry
Participants	Geology & chemistry Students
Venue	Alamcode Panchayath

The Geology and Chemistry Departments conducted a comprehensive water quality analysis in the nearby areas on 12/03/24 as part of extension activities. The aim was to assess the quality of water sources in the vicinity and provide valuable insights into potential environmental concerns.

The water quality analysis conducted by the Geology and Chemistry Departments highlights several concerning findings regarding the water sources in the nearby areas of our college. The presence of various contaminants suggests potential environmental degradation and health risks to the local community. Further monitoring, remediation efforts, and public awareness initiatives are recommended to address these issues and ensure the availability of safe and clean water resources. Overall, this water quality analysis serves as a valuable resource for informing decision-making and promoting sustainable management of water resources in the vicinity of our college.

