

HALF YEARLY REPORT
SCIENCE CLUB
2025-2026

ABOUT THE CLUB

The Science Club in the college serves as a dynamic platform to promote scientific awareness, curiosity, and innovation among students. It aims to nurture a scientific temperament by encouraging active participation in academic, experimental, and research-oriented activities beyond the regular curriculum. Through various programmes such as workshops, exhibitions, quizzes, demonstrations, and outreach activities, the Science Club helps students develop critical thinking, problem-solving skills, and a deeper understanding of scientific concepts.

The club also fosters teamwork, leadership, and creativity while bridging the gap between theoretical knowledge and practical application. By organizing events related to contemporary scientific issues and innovations, the Science Club plays a vital role in enhancing students' interest in science and contributing to the overall academic and intellectual culture of the institution.

SUB: INAUGURATION

Date:25/07/2025

Venue: Seminar Hall

Time: 2.00 PM

INAUGURATION OF
SCIENCE CLUB

25TH JULY 2025 | 2.00 PM
COLLEGE AUDITORIUM

'A Trip to the Moon'
Talk by NASA Gafoor Master

INAUGURATION :
NASA GAFOOR MASTER
NATIONAL AWARD WINNING TEACHER,
MEMBER OF NASA MEDIA RESOURCE CENTER

PRESIDENTIAL ADDRESS :
DR. KP. HUSSAIN
COLLEGE PRINCIPAL

ORGANIZED BY SCIENCE CLUB IN ASSOCIATION WITH IQAC

BAFAKHY YATHEEM KHANA
ARTS & SCIENCE COLLEGE
FOR WOMEN KALPAKANCHERY

The inaugural ceremony of the Science Club was held on 25th July 2025 at 2.00 PM in the College Auditorium, marking the formal beginning of the club's activities for the academic year. The programme

commenced with a welcome address by Mrs Vijina M K, Science Club Convenor, who outlined the aims and significance of the Science Club in fostering scientific awareness and innovation among students.

The inauguration was gracefully conducted by NASA Gafoor Master, National Award-winning teacher and member of the NASA Media Resource Center, who delivered an enlightening talk titled **“A Trip to the Moon.”** The session provided valuable insights into space science and inspired students to explore the wonders of scientific discovery. The programme was presided over by the College Principal, Dr. K. P. Hussain, who emphasized the role of scientific thinking in academic and personal development.

The occasion was further honoured by felicitation from Mr. Abdul Khayoom PC, IQAC Coordinator, and Mrs Febidha, Staff Secretary, in recognition of the contributions of the chief guest and dignitaries. The programme concluded with a vote of thanks by Ms. Naseeba M E, Science Club Secretary, expressing sincere gratitude to all dignitaries, faculty members, organizing committee, and students for their active participation and support.

Organized by the Science Club in association with IQAC, the inauguration programme successfully set a strong foundation for future scientific activities and initiatives in the institution.

SUB: NATIONAL MOON DAY CELEBRATION- INTERDEPARTMENTAL QUIZ COMPETITION

Date: 25/07/2025

Venue: IQAC room

Time: 11:00 AM



July 20th
NATIONAL
MOON DAY

INTERDEPARTMENTAL
QUIZ COMPETITION
JULY 25 FRIDAY | 11.00 AM | SEMINAR HALL

TWO STUDENTS FROM EACH DEPARTMENT CAN PARTICIPATE.

ORGANIZED BY SCIENCE CLUB IN ASSOCIATION WITH QUIZ CLUB
**BAFAKHY YATHEEM KHANA ARTS & SCIENCE COLLEGE
FOR WOMEN KALPAKANCHERY**



As part of the observance of National Moon Day celebrated on 20th July, the Science Club in association with the Quiz Club organized an Interdepartmental Quiz Competition on 25th July at 11:00 AM in the Seminar Hall. The programme was designed to commemorate the historic lunar landing and to promote awareness about space science, lunar missions, astronomy, and recent advancements in space exploration among students.

The competition witnessed active participation from various departments, with two students representing each department. The event was conducted in a vibrant and intellectually stimulating atmosphere, encouraging healthy competition, teamwork, and quick thinking. Through multiple rounds covering topics related to the Moon, space technology, scientific discoveries, and general science, the quiz enhanced students' knowledge and analytical skills while fostering curiosity and enthusiasm for scientific learning.

The programme successfully achieved its objective of creating awareness about the significance of National Moon Day and inspiring students to explore the wonders of space science beyond the classroom. It also strengthened interdepartmental interaction and reinforced the role of co-curricular activities in holistic student development.

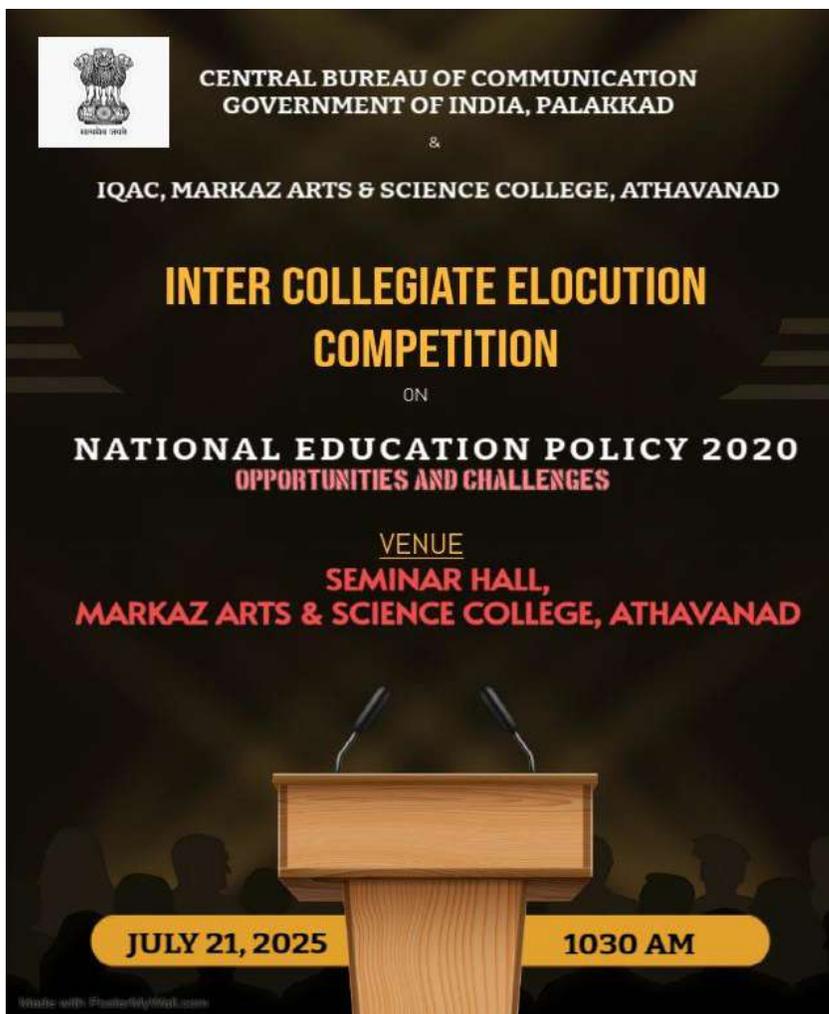
SUB: PARTICIPATION IN INTERCOLLEGIATE ELOCUTION COMPETITION AT MARKAZ ARTS & SCIENCE COLLEGE, ATHAVANAD

Date: 21/07/2025

Venue: Seminar Hall, Markaz arts and Science college, Athavanad

Time: 10:30AM

Topic: NEP 2020- Opportunities and Challenges



An Intercollegiate Elocution Competition on the topic “National Education Policy 2020 – Opportunities and Challenges” was jointly organised by the Central Bureau of Communication, Government of India, Palakkad and IQAC, Markaz Arts & Science College, Athavanad on 21st July 2025 at the Seminar Hall of the host institution. The competition aimed to encourage insightful discussion and critical analysis of the National Education Policy while enhancing students’ public speaking and analytical skills.

The Science Club of Bafakhy Yatheem Khana Arts and Science College for Women deputed Ms. Fathima Nimsha P, III Year B.Sc Psychology, to participate in the event. She delivered an impressive performance and secured the Second Prize, bringing pride and recognition to the institution. The programme served as a valuable platform for academic exposure, confidence building, and intercollegiate interaction, aligning with the club’s objective of promoting holistic student development.

SUB: HIROSHIMA NAGASAKI 80th REMEMBRANCE DAY

Date: 08/08/2025

Venue: Seminar Hall

Time: 2:00 PM

August 6 & 9
**HIROSHIMA-NAGASAKI
80th REMEMBRANCE DAY**



PEACE
NOT WAR

ELOCUTION COMPETITION

 08/08/2025
 2.00 PM
 SEMINAR HALL

THEME: "PEACE BEGINS WITH US"

RULES:

- Solo speaking (3 - 5 minutes)
- Open to all students
- English or Malayalam

ORGANIZED BY SCIENCE CLUB IN COLLABORATION WITH
INTERNAL QUALITY ASSURANCE CELL

 **BAFAKHY YATHEEMKHANA ARTS AND SCIENCE
COLLEGE FOR WOMEN, KALPAKANCHERY** 

As part of the observance of Hiroshima–Nagasaki 80th Remembrance Day, an Elocution Competition was jointly organised by the Science Club in collaboration with the Internal Quality Assurance Cell (IQAC) of Bafakhy Yatheemkhana Arts and Science College for Women, Kalpakanchery. The programme was conducted on 08 August 2025 at 2.00 PM in the Seminar Hall, with the central theme “**Peace Begins With Us**”, conveying the message Peace Not War.

The competition aimed to create awareness among students about the devastating impact of nuclear warfare and to promote values of peace, harmony, and global responsibility. It also provided a platform for students to express their thoughts and perspectives on peace-building, non-violence, and the importance of collective efforts in creating a war-free world.

The event witnessed enthusiastic participation from students across various departments. Participants delivered powerful speeches in English and Malayalam, adhering to the time limit of 3–5 minutes. The elocution sessions reflected deep understanding, emotional sensitivity, and strong oratory skills, highlighting the historical significance of Hiroshima and Nagasaki and reinforcing the urgent need for sustainable peace.

The competition concluded on a meaningful note, successfully fulfilling its objective of sensitising students to the horrors of war and inspiring them to become ambassadors of peace in society. The programme stood as a solemn tribute to the victims and a call for unity, compassion, and a peaceful future.

SUB: MOLE DAY CELEBRATION

Date: 23/10/2025

Venue: Chemistry Lab

Time: 10.15 AM-11.15 AM



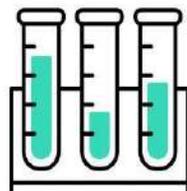
BAFAKHY YATHEEMKHANA ARTS AND SCIENCE COLLEGE FOR WOMEN
KALPAKANCHERY



DEPARTMENT OF CHEMISTRY
In association with Science Club

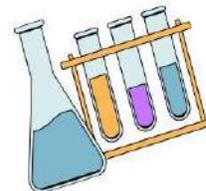


"EXPLORING THE MAGIC OF CHEMISTRY THROUGH
SIMPLE EXPERIMENTS"



TIME:10:15 AM to 11:15AM

VENUE:Chemistry Lab



The Department of Chemistry celebrated Mole Day 2025 on 23 October 2025 with the theme "Exploring the Magic of Chemistry through Simple Experiments." The programme aimed to promote scientific

curiosity and strengthen students' conceptual understanding of chemistry through interactive demonstrations. The event was inaugurated by the Head of the Department, followed by an engaging exhibition of simple yet impactful experiments such as elephant toothpaste, lava lamp, floating smoke, fake blood, iodine clock, fluorescence, fake snow, and magic fire. Students actively participated by demonstrating the experiments and explaining the scientific principles behind them. The celebration created an exciting learning environment, enhanced students' confidence in presenting experiments, and encouraged creativity and teamwork. Overall, the programme successfully fostered scientific temper and experiential learning among students.

SUB: WORLD SCIENCE DAY CELEBRATION

Date:12/11/2025

Venue: Chemistry Lab

Time: 2.00 PM-3.00 PM

10th November

World Science Day

**"THE MAGIC OF MOLECULES- A CHEMISTRY
EXHIBITION FOR YOUNG MINDS"**



Date:12/11/2025

Time:2:00 PM-3:00 PM

Venue:Chemistry Lab

**Organized by Department of Chemistry
In association with Science Club &IQAC**



**Bafakhy Yatthemkhana Arts and Science College
for Women, Kalpakanchery**

The Department of Chemistry, in association with the Science Club and IQAC, organized an Educational Outreach and Empowerment Programme titled “The Magic of Molecules – A Chemistry Demonstration and Exhibition for Young Minds” on 12 November 2025 as part of World Science Day for Peace and Development. The programme aimed to promote scientific awareness among Class VIII school students through simple, safe, and visually engaging chemical demonstrations. Undergraduate Chemistry students presented experiments such as colour-change reactions, elephant toothpaste, lava lamp, redox reactions, and smoke formation, making the session interactive and concept-oriented. The event strengthened the institution’s extension and outreach initiatives by fostering curiosity, scientific temper, and experiential learning among young learners. It also provided undergraduate students with an opportunity to develop communication, presentation, and leadership skills through peer-led demonstrations. This programme contributed meaningfully to NAAC criteria related to curricular enrichment, participatory teaching-learning, community engagement, optimal use of laboratory resources, and institutional values. Overall,

the event successfully enhanced scientific literacy and strengthened the college's commitment to community-oriented academic activities.

**SUB: CHEMISTRY FOR COMMUNITY WELL BEING-
PREPARATION OF SOAP, DETERGENT, FLOOR CLEANER AND
HAND SANITIZER**

Date: 13/11/2025

Venue: Chemistry laboratory

Time: 12.30 PM-3.30 PM

Department of chemistry
in association with ED club & IQAC



Chemistry for Community well-being *Hands-on Chemistry for a Healthy Community*

Preparation and distribution of soap,
detergent, floor cleaner, and hand
sanitizer

- ✔ Science in Service of Society
- ✔ Extending chemistry beyond
classrooms

Date: 13/11/2025

Venue: Chemistry Lab

Time: 12:30 PM - 3:30 PM

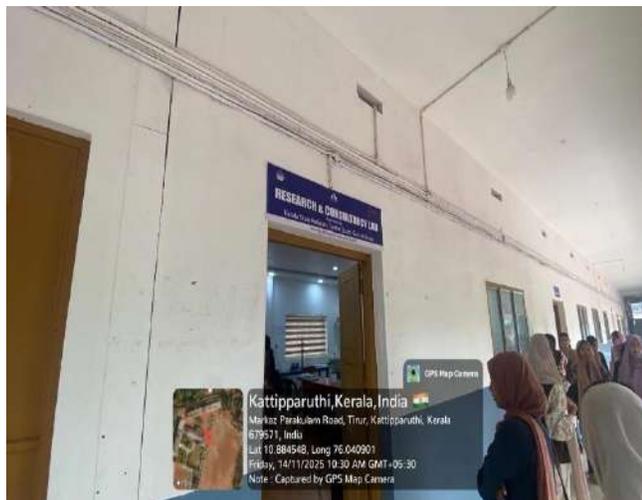
Bafakhy Yatheemkhana arts and Science college
for Women Kalpakanchery



The Department of Chemistry, in association with the ED Club and IQAC, organized a hands-on training programme titled “Hands-on Chemistry for a Healthy Community” on 13 November 2025. The session provided students with practical exposure to the formulation and preparation of essential hygiene and cleaning products, including bath soap, bar soap, detergent powder, floor cleaner, and hand sanitizer. The programme focused on introducing students to formulation science, saponification, emulsification, and safe laboratory handling practices. Students actively participated in measuring, mixing, and testing the prepared products under faculty supervision. The activity strengthened their practical skills, teamwork, problem-solving ability, and understanding of the real-world applications of chemistry in promoting hygiene and community well-being.

This initiative aligned with NAAC expectations by promoting experiential learning, value-added skill development, optimal use of laboratory resources, and community-oriented practices. The programme successfully enhanced students’ confidence in practical chemistry and prepared them for the upcoming outreach phase where the products will be distributed to the local community.

SUB: LABORATORY VISIT





The Department of Chemistry organized an educational visit to the Research and Consultancy Laboratory at Markaz Arts and Science College, Athavanad, on 14 November 2025. The visit aimed to provide students with practical exposure to advanced analytical and water-quality testing instruments. During the session, students observed the working principles and applications of instruments such as the UV–Visible Spectrophotometer, Nephelometer, pH meter, DO meter, TDS/EC meter, incubator, hot air oven, colorimeter, and membrane filtration unit. Faculty experts offered detailed demonstrations, explained calibration methods, and highlighted the relevance of each instrument in chemical and environmental analysis. This academic exposure significantly enhanced students' understanding of water analysis parameters, strengthened their practical laboratory skills, and bridged theoretical concepts with real-world applications. The visit contributed meaningfully to experiential learning and promoted scientific curiosity among students.

SUB: MICROBES & HEALTH

Date: 19/11/2025

Venue: Auditorium

Time: 1.30 PM-3.30 PM

Microbes & Health

Understanding Microorganisms and Disease Prevention

19 November 2025 | 1.30 pm | Seminar Hall

Session Includes:

- ✓ Understanding Microorganisms & Diseases
- ✓ Prevention methods of Diseases.
- ✓ Live slides of Microorganisms & spermatozoa



Organized by:
Health Club, Science Club, Dept. of Chemistry & IQAC
BAFAKHY YATHEEM KHANA ARTS & SCIENCE COLLEGE
FOR WOMEN KALPAKANCHERY



Mubarak Moozhikkal
Grade 1 Lab Technician
Govt. Family Health Center
Tanalur

An awareness programme titled “Microbes & Health: Understanding Microorganisms and Disease Prevention” was successfully conducted on 19 November 2025 at 1.30 pm in the College Auditorium. The programme was jointly organized by the Health Club, Science Club, Department of Chemistry, and IQAC with the aim of enhancing students’ awareness about microorganisms and their impact on human health.

The main session was handled by Mr. Mubarak Moozhikkal, Grade I Lab Technician, Government Family Health Center, Tanalur, who delivered a detailed presentation on the nature of microorganisms, the types of diseases caused by them, and effective preventive measures such as personal hygiene, sanitation, and safe health practices. A special highlight of the session was the demonstration of live microscopic slides of microorganisms and spermatozoa, which provided students with valuable practical exposure and strengthened their conceptual understanding.

In addition, Mr. Aneesh addressed the gathering and emphasized the importance of awareness, early prevention, and responsible health behaviour in daily life. The session encouraged active participation and interaction, making it both informative and engaging. Overall, the programme significantly contributed to improving students’ knowledge of microbial science and public health awareness.