

EPISTEME 2022-2023

Intellectually certain knowledge.

CHEMISTRY ASSOCIATION



“The meeting of two personalities is like the contact of two chemical substances: if there is any reaction, both are transformed.” ~ Carl Jung.

Chemistry has infinite possibilities like the millions of galaxies that are yet to be discovered. It has its branches spread over to the many different areas of science and acts as a common link between them. Our unquenchable thirst for knowledge has led us to **‘Episteme’**.

In this academic year Chemistry association is named as **“Episteme”** which is the Greek word most often translated as knowledge. As members of department of Chemistry, we are committed to working together with unity in all future endeavors. We proudly present the activities of **EPISTEME 2022-2023** before you.

ASHNA VISWAMBHARAN
ESHITHA MARIAM MATHEW

ASSOCIATION IN-CHARGES



DR. ANNU THOMAS

PRESIDENT



ASHNA VISWAMBHARAN
ASSOCIATION SECRETARY



ESHITHA MARIAM MATHEW
VICE PRESIDENT



THANOOJA KRISHNA
*ARTS CLUB
SECRETARY*



NIRANJANA D
MAGAZINE EDITOR



SHREYA PRASAD
TREASURER



ANU K BIJU
(EXECUTIVE (3rd DC))



JUDIT ANNA SABU
(EXECUTIVE (2nd DC))



LINSHA MARIAM
(EXECUTIVE (1st DC))

ASSOCIATION ACTIVITIES

2022-2023

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ACADEMIC EXCELLENCE

SI No.	NAME OF STUDENT	CGPA	GRADE
1	GOURI LAKSHMI R NAIR	9.35	A+
2	APARNA RAJU	9.28	A+
3	ANJITHA E U	9.24	A+
4	ADITHYA MOHANAN	9.17	A+
5	ARATHY PRAKASH	9.17	A+
6	AMRUTHA SURESH	9.09	A+
7	AMALUMOL K BENNY	8.98	A+
8	SEETHALAKSHMI S	8.88	A+
9	ACCA MARIAM MATHEW	8.82	A+
10	AMALA SOY	8.56	A+
11	BHAGYA U NAIR	8.5	A+

 **BISHOP CHULAPARAMBIL MEMORIAL COLLEGE , KOTTAYAM**
DEPARTMENT OF CHEMISTRY
CONGRATULATIONS TO OUR TOPPERS (2019-2022)

 Aparna Raju (CGPA - 9.28)	 Anjitha E U (CGPA - 9.24)	 Adithya Mohanan (CGPA - 9.17)	 Arathy Prakash (CGPA - 9.08)	 Gourilakshmi R Nair (CGPA - 9.00)
 Amrutha Suresh (CGPA - 8.92)	 Seethalakshmi S (CGPA - 8.76)	 Acca Mariam Mathew (CGPA - 8.73)	 Amalumol K Benny (CGPA - 8.63)	 Amala Soy (CGPA - 8.56)

PROGRAMS CONDUCTED

DAY OBSERVATIONS CONDUCTED BY THE DEPARTMENT

1. WORLD ENVIRONMENT DAY



As part of celebrating “THE WORLD ENVIRONMENT DAY” the Department of Chemistry of BCM College organized a quiz competition on the topic Environmental Awareness on 24 June 2022. The objective of the competition was to create awareness among the students about environmental problems, imparting basic knowledge about the environment and developing an attitude of concern for the environment.

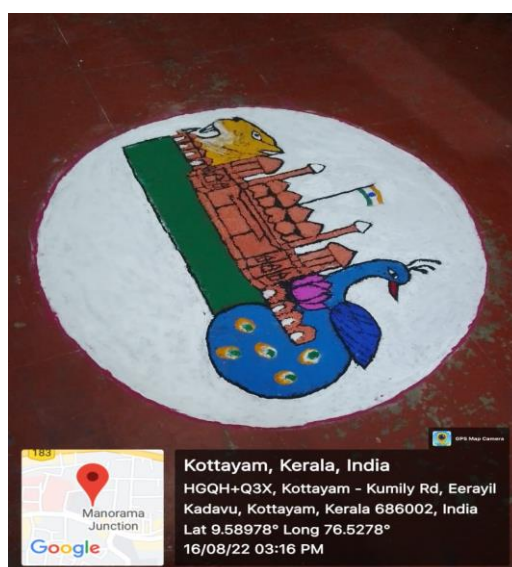
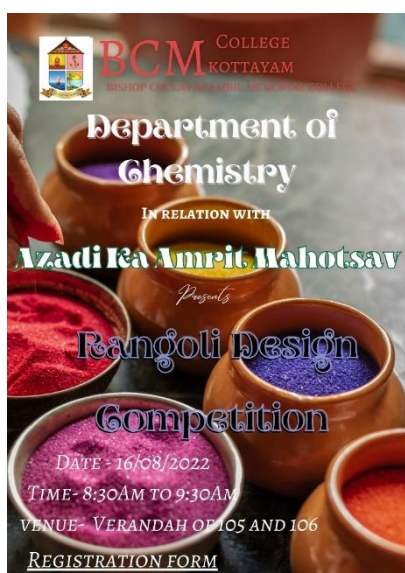
Winners: First prize – Department of Botany

Second prize – Department of Botany

2. INDEPENDENCE DAY

Independence Day is celebrated as a national festival with full enthusiasm in every state and union territory. To mark this glorious year the day has been named “AZADI KA AMRIT MAHOTSAV”. This 75th Independence Day, the government of India celebrated in a grand. In by this, our college decided to conduct 75 programs within the college. And all department participated in this in this program. On this occasion we the Department of Chemistry organized various competitions to celebrate this Independence Day.

I. RANGOLI DESIGN COMPETITION



Ever since, India has celebrated Independence like a festival, with great fervour. An aspect of Indian culture that adds to the beauty of diverse festivals of this country is the expression of happiness through art, especially Rangoli Art, thus the Department of Chemistry organized an interdepartmental Rangoli Making Competition on 16th August 2022 in relation with Azadi Ka Amrit Mahotsav. As theme of the rangoli was related to Independence Day, it created an opportunity for the students to remain in close touch with their culture. The competition

motivated the students to perform and shine in their creative skills and, most importantly, work as a team.

Winners: First prize- Department of Zoology

Second prize – Department of Physics

Third prize- Department of Chemistry

II. TABLEAU COMPETITION



The department of chemistry conducted a tableau competition in relation with Azadi Ka Amrit Mahotsav on 16th August 2022. Tableau is a theatrical technique in which actors freeze in poses that create a picture of one important moment in the play. The aim of holding the competition was to instil the feeling of patriotism and sense of belongingness among the students. The theme of the tableau varied from Dandi March to representing states associated with freedom movement. It was indeed a very successful event that initiated the celebration for Independence.

Winners: First prize- Department of Economics

Second prize – Department of Zoology

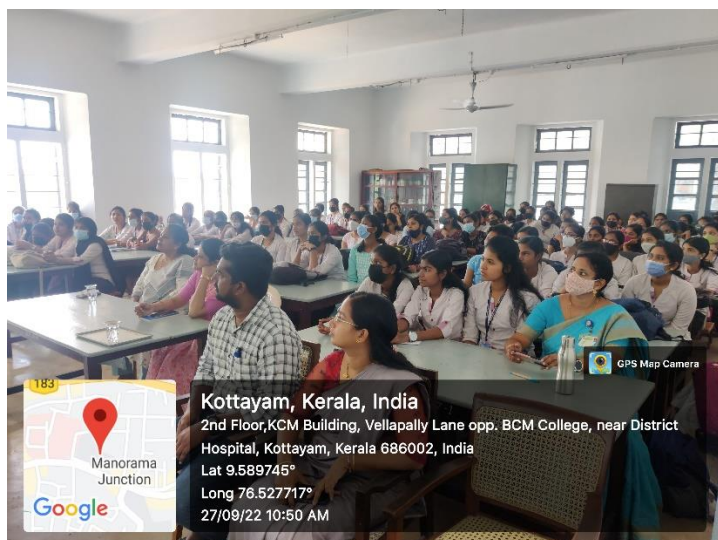
Third prize – Department of History

3. OZONE DAY

The Department of Chemistry in association with Breakthrough Science society, conducted an awareness class in relation to ozone day. Students from all science departments of BCM College were a part of this class. The program was conducted on 27th September 2022.

The importance of the ozone layer and its conservation was the main topic of the awareness class. Students were able to understand the need to conserve the ozone layer and the problems faced by the depletion of the ozone layer. Students were told to reduce the use of substances that release toxic gases which are harmful to the environment.

All students participated in the awareness class actively and they all gave good feedback about the program.



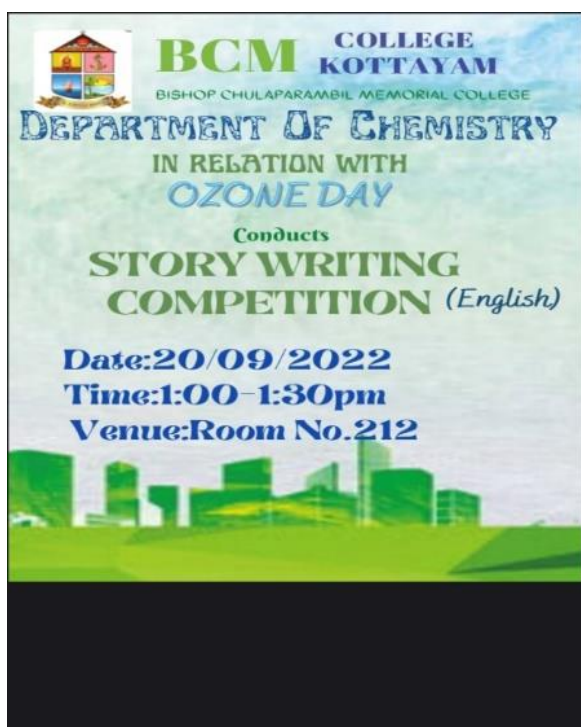
STORY WRITING COMPETITION

The Department of Chemistry in relation with Ozone day had conducted an English story writing competition. Every year September 16 is observed as International ozone day, in order to create an awareness among the people against the need for protecting nature and ozone which act as a protecting shield for earth.

It is very essential to protect ozone layer because, if not it will be destroyed more quickly than it is naturally occurring.

The story writing competition was held on 20/09/2022 from 1:00-1:30 pm at room no: 212. As it was an interdepartmental competition, many students had participated in it.

The participant's list is attached in the appendix



Winners: First prize – Linsha Mariam Zachariah (I DC Chemistry)

Second prize – Krishna Shaji (II DC English M1)

LOGO DESIGNING CONTEST

As a part of celebrating Ozone Day, the Department of Chemistry had conducted an online "Logo Design Contest". The topic for the contest was: "CFC- free and ozone friendly products."

The contest was open for all and was conducted online and the last date of submission was 20/09/2022 via email. Participants were free to use any online applications for the logo design contest.

As the topic mentions, it is very important to create an awareness among people to protect ozone and also to create more ozone friendly products , not only for us but for the future generations too. Conducting such competitions will help the students to think more about new innovations which reduce pollutions and also it will help to improve their creativity. Many students actively participated and it paved a way for understanding their creativity and ideas.



The participants list is attached to the appendix

Winners: First prize – Maria Sharon C (I PG English)

Second prize – Ammu K Reji (II DC Physics)

Third prize – Silpa Ann Zachariah (II DC English M3)

UNSCRAMBLE COMPETITION

The Chemistry department in relation with the ozone day celebration has conducted an Unscramble Competition. The main attraction of the competition was, the word which need to unscramble was given just before the competition and the team which makes the maximum number of words from the given statement was awarded with prizes and certificates. As we know, September 16 is observed as International Ozone Day for creating an awareness among people for the need of protection of ozone layer. But many of us had not realised the importance of the day. So , by organising such events students get to know more about such days and it's importance. The Unscramble Competition was held on 19/09/2022 from 1:00-1:30 pm at room no:212. Many students have actively participated in the competition.



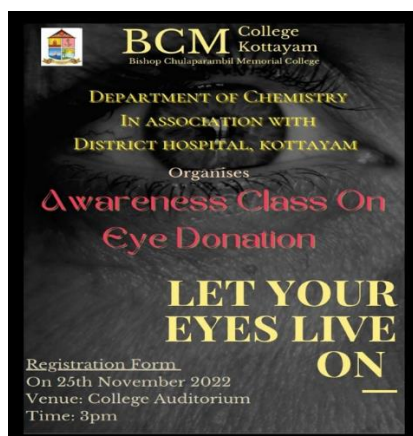
The participants list attached to the appendix

Winners : First prize – Ann Maria Kurivilla (I DC Chemistry)

Second prize – Maria Sharon C (I PG English)

Third prize – Venus George (I PG English)

4. AWARENESS CLASS ON EYE-DONATION



Department of Chemistry in association with District hospital Kottayam conducted an eye donation awareness session and an eye donation campaign on 25th November 2022. Mrs. Suna S Nair optometrist Karukachal PHC took the session on eye donation and its importance, the whole college including teachers and non-teaching staff attended the informative session. The session also taught us about the importance of god given power to see and enjoy.

We may hear people talking about 'eye donation', but eyes are never transplanted.

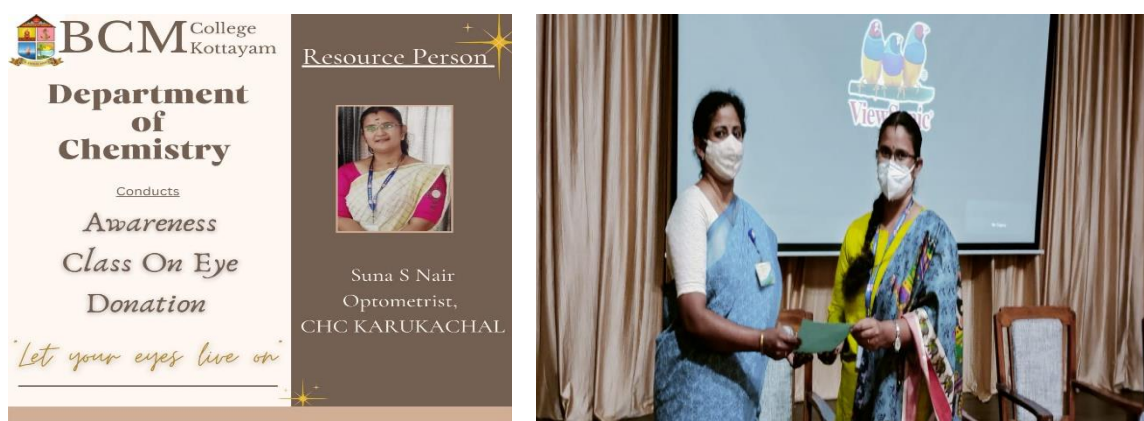
Eye donation involves donating our corneas, not our iris or the whole eye.

Corneal transplantation, also known as corneal grafting, is a surgical procedure where a damaged or diseased cornea is replaced by donated corneal tissue (the graft). When the entire cornea is replaced, it is known as penetrating keratoplasty and when only part of the cornea is replaced it is known as lamellar keratoplasty.

Donating our eyes after death can give the blessing of vision to two people.

As part of the eye donation session an eye donation campaign was also conducted in which more than 50 teachers and students gave their willing certificate for eye donation which was inaugurated by Ms. Jaisy Joy, faculty of department of chemistry.

"Our eyes never die; we can make it immortal by sharing it with others. Share the legacy of sight."



5.E-WASTE DRIVE

In India, the quantity of “e-waste” or electronic waste has now become a major problem. Disposal of e-waste is an emerging global environmental and public health issue, as this waste has become the most rapidly growing segment of the formal municipal waste stream in the world.

E-waste or Waste Electrical and Electronic Equipment (WEEE) are loosely discarded, surplus, obsolete, broken, electrical or electronic devices. In India most of the waste electronic items are stored at households as people do not know how to discard them. This ever-increasing waste is very complex in nature and is also a rich source of metals such as gold, silver, and copper, which can be recovered and brought back into the production cycle.

So e-waste trade and recycling alliances provide employment to many groups of people in India. Improper dismantling and processing of e-waste render it perilous to human health and our ecosystem. Therefore, the need of proper e-waste management has been realized. It is necessary to review the public health risks and strategies to combat this growing menace.

Considering this scenario Episteme decided to conduct an E- Waste drive in collaboration Kerala Enviro Infrastructure Ltd (KEIL), the only Hazardous Waste Management Facility in Kerala. So we collected E-Waste from the students and the public from 27/01/2023 to 30/01/2023 and handed it over to KEIL.

BISHOP CHULAPARAMBIL MEMORIAL COLLEGE KOTTAYAM
DEPARTMENT OF CHEMISTRY
Conducts

GREEN INITIATIVE 2023
E-WASTE DRIVE
JANUARY 27 TO 30

Bring your old or broken electronic gadgets for proper disposal at electronic waste collection bins placed in front of Chemistry department.
Open to Public also.

Drive ends by 30-01-2023 at 3.30 pm

LET US REDUCE E-WASTES
AND KEEP THE PLANET
GREEN...

- We accept:
- Cellphone
 - Computer peripherals
 - (Mouse, keyboards, wires, etc)
 - Desktop computer
 - DVD players
 - Laptops
 - Monitors
 - Chargers
 - Storage media
 - iPods
 - Stereo equipment
 - Printers
 - Fax machine
 - Copy machine
 - Headphones

6.MADAM REMANI THARAYIL QUIZ

In honour of Madam Remani Tharayil, Retd.Principal of Bishop Chulaparambil Memorial College, Kottayam, the Department of Chemistry of BCM College organized an interdepartmental quiz competition on 31st January 2023. The aim of conducting a quiz competition was because Quizzes help one gain a broad or specialized understanding of a subject. They are intended to encourage fun

learning methods while also enhancing general knowledge. Students can think outside the box or from diverse perspectives by participating in quiz tournaments.



Winners : First prize – Amala Anna Rajesh & Anjitha Shaji (II DC Mathematics)

Second prize – Harithasree S & Parvathy B (III DC English)

7.ASSOCIATION INAUGURATION

Helen Keller once said “ Alone we can do so little, together we can do so much”. Blessing of God along with our unity and hard work”, we could achieve glorious days.

In the academic year 2022 – 2023, Association of department of chemistry is titled as “**EPISTEME**” which means knowledge. The association inauguration of the department of chemistry was conducted on 25th November 2022. We were blessed with the presence of Dr. Maria Dimitrenko, Associate professor , St.Peter’sburg state university and Dr. Hanna J Maria UGC Stride fellow , Mahatma Gandhi University Kottayam. Both our chief guests enlightened our title **EPISTEME** with their words. The welcome speech was

given by Shreya Prasad IIIrd DC Chemistry. Sreepooja Sankar IIIrd DC chemistry compere the event. Dr Annu Thomas , Head of chemistry department delivered a pleasant presidential address. Our chief guest Maria Dimitrenko took a seminar on topic Polymer Chemistry. As we are chemistry students the seminar was inspirational as well as informative about the importance and opportunities of topic. The seminar made an enthusiasm to study more about polymer chemistry. Maria Ma'am also announced our association motto **EPISTEME** meaning knowledge at the end of her seminar. Hanna Ma'am shared her thoughts about Macro Molecular wonders of nature through an informative talk. The vote of thanks was given by Niranjana D IIIrd DC chemistry. We , the department of chemistry gifted an Indian saree as a symbol of our love and honour to Maria Dimitrenko . Annu Ma'am along with students of chemistry helped Maria Ma'am to wore the saree. The presence of both chief guests and our faculties were priceless. We were able to successfully end the event with Gods grace and united effort of all the students and the faculties of chemistry department



8.DEPARTMENT CELEBRATIONS

ONAM

Onam is an annual Indian harvest festival celebrated by the Keralites. A major annual event for Keralites it is official festival of state includes a spectrum of cultural events.

2022 Onam celebration was celebrated in a vert grand way after two years of corona. All the students really enjoyed that day.

Our Onam celebrations has been on 2nd September 2022 in the college auditorium at 10am. The college auditorium entrances were decorated with pookalam. The program was started with prayer song. Honorable principal of the college inaugurated the celebration by lighting the lamp. Malayali manga competition was held by each student in all the department, Ms. Ashna vishwambharan representing the department of chemistry reached the three round got with great appreciation for the beautiful performance. The wishes and celebrations gets more exciting with the onam sadhya. We,the chemistry students, teachers and non teaching staffs all sat together for the sadhya. At last Payasam also served. Vadamvali was the awaited game for all the students. The members of *episteme* including the teachers participated in the cultural dance performance on the stage.



CHRISTMAS CELEBRATION

Christmas celebration is one of the joyful celebrations. It is the season of joy, greetings, cakes, gifts, and fun. The celebration include rhythmic presentation from college choir. The staffs, faculties, students together celebrate Christmas.

Xmas 2k22 at BCM college was held on December 23rd 2022 at the BCM college auditorium at 10am. The celebration was organized by students and various competitions and other activities were conducted as part of the event. Carol competition was held by various departments.

We chemistry department made a Christmas tree made of test tubes and conical flasks and got attracted by everyone.

Chemistry department -teachers, students non-teaching staffs altogether cut the cake as a part of family unity and drank a glass of wine who brought by one of the students. It was a moment of enjoyment



9.SUBJECT ENRICHMENT PROGRAMME

The department of chemistry organized a **subject enrichment programme** on the topic “*Green Chemistry Education towards Sustainability* “.Green chemistry can have plenty of benefits for one’s health , the economy and environment It is a unique branch of chemistry which involves in evolution of new tools ,techniques and technologies .So Green chemistry is defined as the building of chemical products which bring down the usage and production of hazardous materials. It making some of the products which are less harmful and eco-friendly to the environment.

The programme was held on 21t October 2022 at 10:00 am at room no : 212 . **Dr Liza Abraham** was the resource person , she is the associate professor of chemistry at Ambrose University ,Calgary ,Canada. The session she held were so informative. The students of chemistry department attend the class attentively , such an interesting session .And after the class there is an interactive session also conducted to clarify the doubts of the students.

The programme scheduled were following:

Welcome Speech : Shreya Prasad

Introducing the speaker : Sreepooja Sankar

Session : Dr . Lisa Abraham

Vote of Thanks : Eshitha Mariam

The Ph.D scholar Sarath ps made a class on click chemistry which helps the students to raise the

Knowledge and give concepts and got some ideas about research



10. ONE DAY SEMINAR



One day seminar was conducted by Mr. Sharath P S for all the chemistry students. A total of 40 students participated in the class. It was a Nobel lecture. It was a very engaging class and all the students participated actively.

11. REMEMBRANCE MEETING

The remembrance meeting was conducted on 23rd august 2022. It was held in remembrance of PROF. PHILOMINA ABRAHAM and PROF. ELIZABETH KURUVILLA. Prof. Philomina Abraham taught in BCM till 2001 and Prof. Elizabeth Kuruvilla till 2000. Both of them were faculties of BCM for 33 years.



12.STUDENT INITIATIVES

“Modern problem needs modern solution”. Like we say episteme decide to make changes in their lab its self. In this digital era knowledge is available at the tip of our fingers. Keeping this ides in mind we decided to paste QR code on the bottles. Thus it is easy to get details about the reagent within seconds

13.INDUSTRIAL VISIT

Episteme visited an open house conducted at AMAL JYOTHI COLLEGE OF ENGINEERING on 26/11/2022. All departments exhibited their different type of models in their unique way. Especially the department of chemistry showcased a variety of experiments and was highly relatable to us. We interacted with faculty and college students who helped enrich our ideas.

The faculty members Ms. Ann Maria Binoy and Dr. Sr. Remya Simon accompanied us on the journey. This experience encouraged us to think outside the box. It was the starting point for the students interested in pursuing research after their studies.

This journey was not only knowledge-seeking but helped the members of the *episteme* be closer as 'one'.



14. ACHIEVEMENTS OF STUDENTS IN CO-CURRICULAR ACTIVITIES

KALOLSAVAM: ARANGU-2023

- Ann Maria Kuruvilla of 1st DC Chemistry won first prize in the Quiz.
- Niranjana D of 3rd DC Chemistry won first prize for Short Story Writing (English).
- Nidiya Rosa Gigi of 2nd DC Chemistry won first prize for Monoact.
- Treasa Thomas of 2nd DC Chemistry won second prize for Short Story Writing (Malayalam).
- Anu K Biju of 3rd DC Chemistry won third prize for Film Review.

- Athulyamol Thulasi of 2nd DC Chemistry won second prize for Essay Writing (Malayalam).
- Athulyamol Thulasi of 2nd DC Chemistry won third prize for poetry writing (Malayalam).
- Neeha Shihab of 1st DC Chemistry won third prize for English Recitation.
- Nandana P Nair of 1st DC Chemistry won second prize for Percussion Music Instrument Eastern.
- Nandana P Nair of 1st DC Chemistry won first prize for Classical Music.
- Nandana P Nair of 1st DC Chemistry won second prize for Kavithaparaynam.

ACHIEVEMENTS OF STUDENTS IN COMPETITIONS CONDUCTED BY OTHER DEPARTMENTS/COLLEGES

- Ms. Niranjana D and SREEPOOJA Sankar from 3rd dc chemistry participated in *state level paper presentation competition* conducted by Kuriakose Gregorios college, pampadi in association with DSS, MG University Kottayam and win the appreciation certificate
- Ms. Ashna Viswambharan from 3rd dc chemistry participated in debate competition conducted by NEHRU YUVA KENDRA KOTTAYAM in accordance with *yuva ulsav 2022* and win the participation certificate.
- Ms. Ashna Viswambharan and Anu K Biju of 3rd dc chemistry participated in quiz competition conducted by *red ribbon club* Kottayam at CMS college Kottayam.

- Ann Maria Kuruvilla of 1st DC Chemistry won first prize in the NSS quiz *BODHYAM 2022* at the college level.
- Ann Maria Kuruvilla of 1st DC Chemistry won second prize in the NSS quiz *BODHYAM 2022* at the district level.
- Ann Maria Kuruvilla of 1st DC Chemistry participated in the NSS quiz *BODHYAM 2002* at the state level
- Anagha and Adeedee Thrishalokasivadeedi of 2nd DC Chemistry won the first prize in Bollywood Jodi competition conducted by the department of Hindi.
- Treasa Thomas and Judit Anna Sabu of 2nd DC Chemistry won first prize for the debate competition organised by the Department of English.
- Aparna Vinod of 2nd DC Chemistry won the third prize for the anti-drug awareness quiz conducted by NSS unit, BCM College.
- Ashna Viswambharan of 3rd DC Chemistry won second prize for the speech competition on drug addiction conducted by the Department of Physics.
- Anu K Biju of 3rd DC Chemistry won the second prize in ASWAMEDHAM conducted by the Department of Economics.
- Eshitha Mariam Mathew of 3rd DC Chemistry won the third prize in ASWAMEDHAM conducted by the Department of Economics.

- Ann Maria Kuruvilla of 1st DC Chemistry was a winner of EUREKA conducted by the Department of Mathematics.
- Ashna Viswambharan won 3rd price in quiz competition conducted by physics department on the topic of space research
- Ann Maria Kuruvilla won third prize in the treasure hunt conducted by the Department of Mathematics.
- Ans Maria Kuruvilla of 1st DC Chemistry won second prize in the NSS quiz BODHYAM 2022 at the college level.
- Ans Maria Kuruvilla of 1st DC Chemistry won first prize in the NSS quiz BODHYAM 2022 at the district level.
- Ans Maria Kuruvilla of 1st DC Chemistry participated in the NSS quiz BODHYAM 2022 at the state level.
- Ans Maria Kuruvilla was a winner of EUREKA conducted by the Department of Mathematics.
- Ans Maria Kuruvilla won second prize in the treasure hunt conducted by the Department of Mathematics.

THE EPISTEME

