

MATHEMATICS ASSOCIATION

REPORT 2017-18

OFFICE BEARERS

Teacher – in- charge : **Prof. Jaimy Sarah Jacob**

Association Secretary : **Harikrishnan R, D3 Maths**

Class Representatives :

Sl.No.	Class	Boy Representative	Girl Representative
1	D1 Maths	Sri. Gautham S.	Rose Tresa George
2	D2 Maths	Sri. Sree Harikrishnan. R	Mahin Philip
3	D3 Maths	Sri. Harikrishnan R	Emily Varkey

The year 2017-18 was a joyful year for the Association of Mathematics as it has been celebrating its 50th glorious year. The successful journey of the department has started in the year 1967 and still keeping on achieving its glory in all endeavors. Various programs have been conducting during this year as a part of this Golden Jubilee year.

ACTIVITIES OF THE ASSOCIATION DURING THE YEAR 2017-18

INAUGURATION OF ASSOCIATION & THE LECTURE SERIES ON HISTORY OF MATHEMATICS

LECTURE SERIES – I

The Association of Mathematics commenced its works on 14th July, 2017 with the inauguration of Mathematics Association. The Lecture Series on '*History of*

Mathematics', is also inaugurated in this occasion. The first lecture was on the topic “*Indian Mathematicians*” by Prof. P.J. Joy, the retired Professor and the former HOD of the department of Mathematics, K.E. College, Mannanam. Smt. Jaimy Sarah Jacob, teacher – in – charge of association welcomed the meeting and Dr. Jancey Thomas Principal of the college presided over the meeting. Dr. Annie Cherian felicitated the meeting.



The meeting of the Association Inauguration was begun at 10.00 a.m. The two hour class was extremely beneficial for the students as it helped them to get an awareness of the Great Indian Mathematicians and their major contributions in the field of Mathematics. The programme ended up at 1.30 pm by a vote of thanks by Mr. Harikrishnan R, the Student Convener of the association.

Fresher’s Day was also celebrated in the afternoon session. Various programmes of the students added flavor to the program. The new comers got chance to show their talents in the fresher’s day celebration. The function winded up at 4.30 pm.



CRASH COURSE FOR COMPETITIVE EXAMS

The department conducted a crash course on 'PROBLEMS AND TRICKS IN MATHEMATICS' focusing on students of other disciplines of this College who prepares for various competitive exams. The course was of 30 hour duration and the morning classes of one hour duration were scheduled twice a week. The course covered relevant topics for competitive examinations. Ms. Anumol T.A, Guest Lecturer of the department served as the tutor. The course commenced on 22/06/2017. 25 students registered and successfully completed the course.

CIVIL SERVICE ORIENTATION FOR D3 STUDENTS

An orientation class was organized for civil service aspirants of the second and third year students of B.Sc Mathematics as a motivation for the blooming buds on 16th August 2017 at Voc. B.Com Seminar Hall. The class was taken by the eminent resource person, Sri. Vyshakh, Assistant Professor of Department of Sociology, BCM College, Kottayam.



The civil service examination criteria were presented in a nut shell. Instructions were given to the students regarding the three levels of Civil Service Examination. Various resources needed for the examination were also suggested. Ms. Emily Varkey of D3 Mathematics expressed words of gratitude.

ORIENTATION FOR D1 & D2 MATHEMATICS

An orientation programme, ‘Mind it, mind Solutions’ was organized for D1 Mathematics on 29/08/17 and for D2 Mathematics on 07/06/17 by Mr. Prince Varghese, a mind trainer and a motivational speaker at 10.00 am at Education Technology Seminar Hall. In the forenoon session, the students were trained to control their minds and in the afternoon session the students were showed inspirational and motivational videos to make them more courageous and self-confident. The programme came to an end at 4.30 pm.



PROF. M. J THOMAS MEMORIAL INTER- COLLEGIATE QUIZ COMPETITION

The Inter-collegiate Quiz Competition in the memory of late Prof. M.J Thomas who is the charioteer of the Department of Mathematics and later, the Principal of the college, was conducted on 5th December, 2017.



The Quiz Competition was held at 10.00 am on 5th December, 2017 at Mrs. Mammen Mappila Hall (Education Technology Seminar Hall). Dr. Boby P. Mathew, Assistant Professor, St. Thomas College, Pala was the

Quiz Master. Dr. Annie Cherian, Head of the Department welcomed the gathering. 18 teams from various colleges participated in the competition.

Ms. Daniya Treasa Thomas and Mr. Sandra Joji; Sruthy Joseph and Linta Rose Tharian of Assumption College, Changanacherry bagged the 1st and 2nd prizes respectively in the competition. The 3rd prize was won by Mr. Nikhil Manoj and Mr. Sebastian Tom of S.B. College, Changanacherry.

Ms. Emily Varkey delivered the speech of gratitude at the end. The quiz was highly beneficial to the students.



LECTURE SERIES – II

The second lecture of History of Mathematics on “*The Story of Imaginary Number i* ” by Sri Liju Alex, Assistant Professor in Mathematics, BCM College, Kottayam was conducted on 12th Dec, 2017 at 2.00 pm in Educational Technology Seminar Hall.

Jaimy Sarah Jacob, Assistant Professor of the department welcomed the gathering. The class was highly beneficial for all the students as it provided a deep knowledge in how, when and by whom the concept of imaginary number was put forwarded.



ONE DAY REGIONAL SEMINAR

One day Regional Seminar on “Fundamentals of Mathematics” was organized on 10th January, 2018.



The Seminar had 2 sessions. The forenoon session started at 10.am. in Mrs. Mammen Mappila Hall (Education Technology Seminar Hall). Dr. Annie Cherian, Head of the department welcomed the gathering.

Dr. P. B. Vinod Kumar, Professor, Rajagiri School of engineering & technology, Cochin taken the class on the topic ‘Set Theory’. The afternoon session was on ‘Real Numbers’

by Prof. Jayaprasad P.N., Assistant Professor, Government College, Kottayam. Jaimy Sarah Jacob, Assistant Professor delivered the speech of gratitude.

The seminar was aimed to create awareness among students about Fundamentals of Mathematics in various fields and motivate them to choose Mathematical science for higher studies.

LECTURE SERIES – III

The third lecture series of History of Mathematics on “*History of Fractal Geometry*” by Prof. Jais Kurian, Assistant Professor in Mathematics, St.Stephen’s College, Uzhavoor was conducted on 7th February, 2018 at 2.00 pm in Educational Technology Seminar Hall.



Fractal Geometry in Nature was explained by showing several fractal images that resemble natural forms and thereby made the students interested and motivated by giving the concept of Origin and Development of Fractal Geometry. The students were very much interested in the lecture.

INTER COLLEGIATE PROJECT PRESENTATION COMPETITION

The department started an Inter Collegiate Project Presentation Competition in Mathematics in the year 2015-16. The first prize and ever rolling trophy of the programme is sponsored by the Prof. Alexander V George , Rtd Principal of the college. The third chapter of the Programme was conducted on 8th February, 2018 at Education

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Technology Seminar Hall. Prof.Tessymol Abraham, Assistant Professor of the Department welcomed the gathering. Dr. Madhavan Namboothiri, Assistant Professor, Govt.College, Kottayam and Mr.Jiju Mamen, Faculty, St.Peters College, Kozhenchery served as judges for the competition. There were 10 participants from various colleges.

Mr. Karan P.K.,S.B. College, Changanassery and Ms.Aleena Mary Praveen, B.C.M College, Kottayam bagged the 1st and 2nd prizes respectively in the competition.The 3rd prize was won by Ms. Sajana Abdul Salam, T.K.M.College, Karicode . Prof. Alexander V George(Rtd. Principal) & Prof. Geetha Kumari (Rtd HOD of Mathematics) did the prize distribution.



Winners of the competition with Prof. Alexander V George, Prof. Geetha Kumari ,Judges for the competition Dr.Madhavan Namboothiri & Sri. Jiju Mamen,and faculty members of the department

MATHEMATICS COLLOQUIUM

A Colloquium for Mathematics was started in order to provide a platform for interaction and discussion on recent developments and trends in the area of Mathematics. The programme is designed such that a topic in Mathematical Science is presented by a student or a faculty member every month (preferably on third Friday of every month, evening 4 to 4.45 pm) and discussions are carried out after presentation of the topic. All teaching faculty members of the department, toppers of the three classes and other interested students are the members of the club. By means of this programme, students can develop, and improve their communication skill, create understanding in the audience, disseminate new informations to the audience, learn how to develop a power point or a video presentation and motivate the peer groups or audience to take action in response to their message.

The first presentation of the colloquium was on 5.01.2018 by Ms. Ganga S Kumar of D3 Mathematics. She presented the topic 'Mathematics of Tileing' The second session was on 22.02.2018 on the topic 'Magic Squares' by Vidya J of D3. On 05.03.2018 Ms. Rinu Mary George of D3 Mathematics presented a project on the topic 'Fractals'. As these were new topics for the entire mathematics students, they were highly interested and benefited.

STUDY TOUR

The annual tour for final year B.Sc students of the Department of Mathematics was from 15th to 18th December 2017 to *Chikmagalur* and *Coorg*. A total of 38 students of 19 girls

and 19 boys were accompanied by 2 supervising staffs; Prof. Tessymol Abraham and Prof. Nibu Thomas .



ACHIEVEMENTS OF STUDENTS

During this academic year, our students won prizes in various academic and cultural activities held inside and outside the campus. Also, many students gathered prizes in the competitions conducted by the Arts Club of the College.

I. ACADEMIC ACHIEVEMENTS

Inter-Collegiate Level

- Ms. Ganga S. Kumar & Ms. Anila T. R. of D3 Mathematics won second prize in the Inter-collegiate Project Presentation Competition conducted by Deva Matha College, Kuravilangadu on 16th February 2018.

II. CO-CURRICULAR ACHIEVEMENTS (Sports/Arts)

a) Achievements outside the College

- Manju Murali of D3 Mathematics won second position in the football discipline in the College Games 2018 held at Kozhikode from 1st to 3rd March 2018 organised by Kerala State Sports Council.
- Manju Murali Won 2nd Position in Inter collegiate (Inter-Zone) Football Tournament held at Mar Thoma College, Thiruvalla.
- Manju Murali also won 3rd position in Inter Collegiate (Inter-Zone) Ball Badminton Tournament held at N.S.S. College, Changanacherry.
- Manju Murali has participated in the Kyorugi Girls Under-67 Kg category in the 19th Kerala State Taekwonda Championship 2017 held on 28th and 29th October, 2017 at Mundayad Indoor Stadium, Kannur.

- Manju Murali won 2nd prize in the Inter collegiate (Inter-Zone) Taekwonda under 73 kg category held at Nirmala College, Muvattupuzha.
- Vidhya J won third prize in group song (Indian) Competition in connection with MG University Union Youth Festival held at Kozhencherry, during February 20-24, 2017.

b) Achievements inside College

- Ganga S. Kumar of D3 Mathematics got first prize for Hindi Elocution competition in the College arts festival.
- Ganga S. Kumar of D3 Mathematics got second prize for Hindi Poetry competition in the College arts festival.
- Emily Varkey of D3 Mathematics won 3rd prize for Hindi elocution competition in the College Arts festival.
- Vidya J. of D3 Mathematics won third prize for classical music competition in the Arts Festival and got selected to participate in University Arts Festival Competition.
- Sreelakshmi S. Kumar of D2 Mathematics won 2nd prize for Mehandi competition in the Art's festival.
- Amil P. Abraham of D2 Mathematics won 1st prize for Clay Modeling Competition in the College Arts festival.
- Amil P. Abraham of D2 Mathematics won 3rd prize for Spot Painting Competition in the College Arts festival.

- Amil P. Abraham of D2 Mathematics won 3rd prize for Smiling Competition (male) in the College Arts festival.
- Elsa Rajam of D2 Mathematics won 2nd prize for Smiling Competition (female) in the College Arts festival.
- Christy J. Kurian of D2 Mathematics won 3rd prize for Smiling Competition (female) in the College Arts festival.
- Sarath Babu S. of D1 Mathematics won 1st prize for Mono Act Competition in the College Arts festival.
- Rony Thomas of D1 Mathematics won 1st prize for Western Group Song Competition in the College Arts festival.
- Rony Thomas of D1 Mathematics won 1st prize for Kolkali Competition in the College Arts festival.
- Sarath Babu S. of D1 Mathematics won 2nd prize for One Act Play Competition in the College Arts festival.
- Sarath Babu S. of D1 Mathematics won 3rd prize for Ganamela Competition in the College Arts festival.
- Sneha Ann Boban of D1 Mathematics won 3rd prize for Ganamela Competition in the College Arts festival.
- Sarath Babu S. of D1 Mathematics won 2nd prize for One Act Play Competition in the College Arts festival.

- Parvathykutty T. G. of D1 Mathematics 2nd prize for Group Dance Competition in the College Arts festival.
- Neenu Anna Punnoose, Reema Susan Manu, Shema Mariam Andrews, Sneha Ann Boban, Ans Sabu and Elvin Hanna Vaghese of D1 Mathematics won third prize in the Group song competition conducted by Department of Syriac.

SEMINARS AND CAMPS ATTENDED

- Kannan Baiju and Nithin Abraham John attended two day workshop on 'Python Programming' at Mar Athanasius College for Advanced Studies, Thiruvalla on 7th and 8th December, 2018.
- Nidheesh P.P, Sarath Babu S, Adithya Nagapally, Ajay Krishnan, Joel John, Shema Mariam Andrews and Anagha S. of D1 Mathematics participated in a three days NSS Camp held during 4th – 6th August 2017.
- Adhithya Sabu, Teenumol Raju, Arun Ponnachen, Christy J. Kurian attended All Wing Training Camp of NCC held at St. Ephrem's HSS, Chirakkadavu from 14th – 23rd September 2017.
- Adhithya Sabu, Teenumol Raju, Arun Ponnachen dithya Sabu participated in street play as a part of SWATCH BHARATH ABHIYAN during All Wing Training Camp of NCC.
- Dani Susan Chacko attended All Wing Training Camp of NCC held at St. Ephrem's HSS, Chirakkadavu from 01.09.2017 to 10.09.2017

In this Golden Jubilee year of Association, we were able to organize several programmes for the welfare of students. Besides, we acquired achievements in various fields with the mutual cooperation of teachers and students of this Association. We are proud to say that we succeeded in every efforts of the development of our department. It's all because of the unseen presence of God Almighty that we were able to fulfill our dreams. In the upcoming years we wish the department to flourish in all its horizons.
