



MATHEMATICS ASSOCIATION

REPORT 2018-19

Faculty Profile

| Sl No | Name | Designation |
|--------------|----------------------|---------------------|
| 1 | Dr.Annie Cherian | Associate Professor |
| 2 | Ms.Jaimy Sarah Jacob | Assistant Professor |
| 3 | Ms.Tessymol Abraham | Assistant Professor |
| 4 | Ms.Julia T Thomas | Guest Faculty |

Students Profile

| Class | Sanctioned | Actual Strength | Male | Female |
|------------------------|-------------------|------------------------|-------------|---------------|
| I st B.Sc | 50 | 48 | | |
| II nd B.Sc | 50 | 43 | | |
| III rd B.Sc | 50 | 40 | | |

Mathematics Association Report 2018-19

OFFICE BEARERS

Teacher – in- charge : **Prof. Tessymol Abraham**

Association Secretary : **Jimmy JoemonThottathil, D3 Maths**

Class Representatives :

| Sl.No. | Class | Boy Representative | Girl Representative |
|---------------|--------------|---------------------------|----------------------------|
| 1 | D1 Maths | Sri. Stephin K. Sajan | Aswini B.S |
| 2 | D2 Maths | Sri. Gautham S. | Rose Tresa George |
| 3 | D3 Maths | Sri. SreeHarikrishnan. R | Mahin Philip |

The year 2018-19 was a joyful year for the Association of Mathematics. 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

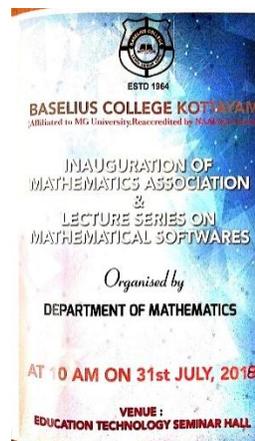
ACTIVITIES OF THE ASSOCIATION DURING THE YEAR 2018-19

INAUGURATION OF ASSOCIATION & THE LECTURE SERIES ON MATHEMATICAL SOFTWARES.

The Association of Mathematics commenced its works on 31st July, 2018 with the inauguration of Mathematics Association by



Prof. Valsa V. Samuel, Former HOD Of Mathematics, B.C.M College, Kottayam. Smt. Tessymol Abraham, 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 Lecture Series on '*Mathematical Softwares*', is also inaugurated in this occasion. The first lecture was on the topic "*Mathematical Functions in Excel*" by Ms. Ajitha Sasi P., the Research Scholar, St.



Thomas College, Pala. Through this class students gained practical knowledge of Microsoft Excel, the most popular spreadsheet application. They learned how to use Excel as an investment in both their personal and professional life. The two hour class was extremely beneficial for the students as it helped them to get an awareness about the knowledge

of Excel provides value and might even give the opportunity for career advancement. The

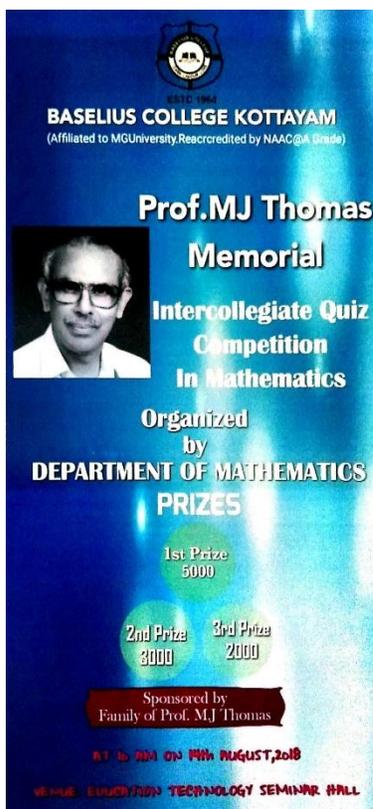


programme ended up at 1.30 pm by a vote of thanks by Mr.Jimmy JoemonThottathil, the Student Convener of the association.

Fresher's Day was also celebrated in the new comers got chance to show their talents afternoon session. Various programmes of in the fresher's day celebration. The function the students added flavor to the program. The winded up 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 14th August, 2018 at 10.00 am at Mrs. Mammen Mappila Hall (Education Technology Seminar Hall).Dr.

Annie Cherian, Head of the Department

welcomed the gathering. Prof.Jais Kurian , Assistant Professor, St.Stephens College, Uzhavoor was the Quiz Master.. 16 teams from various colleges participated in the competition.



Ms. Linta Rose Tharian and Ms. Sruthy Joseph of Assumption College, Changanacherry bagged the 1st and Mr.Visnhu k.S.,Ms.Manisha Martin of S.H. College,Thevara got 2nd prizes respectively in the competition. The 3rd prize was won by Mr.Arun J Manattu and Mr. Jose Manual Jolly of St.Joseph's College Devagiri.Ms.Christy J Kurian delivered the speech of gratitude at the end. The quiz was highly beneficial to the students.



Winners of Quiz competition with Dr.Jancey Thomas, Prof. JaisKurian, Quiz master and faculty members of the department.

ORIENTATION FOR D1 MATHEMATICS

An orientation programme, was organized for D1 Mathematics on 25th October 2018 by Mr. Nidhin Krishna a motivational speaker and Executive Director of TalenTus HR Solutions Pvt Ltd at 10.00 am at Education Technology Seminar Hall. In the forenoon session, the students were trained to control their minds and what makes for an effective goal, how to make goals meaningful and motivating, and the risks of setting goals that are too challenging or too specific.

In the afternoon session the students were showed inspirational and motivational videos to make them more courageous and self-confident. It was truly inspiring and students enjoyed every minute. The programme came to an end at 4.30 pm.



Mr. Nidhin Krishna a motivational speaker and Executive Director of TalenTus HR Solutions Pvt Ltd taking class on D1 Orientation Programme.

CAREER GUIDANCE SEMINAR FOR D2 & D3 STUDENTS

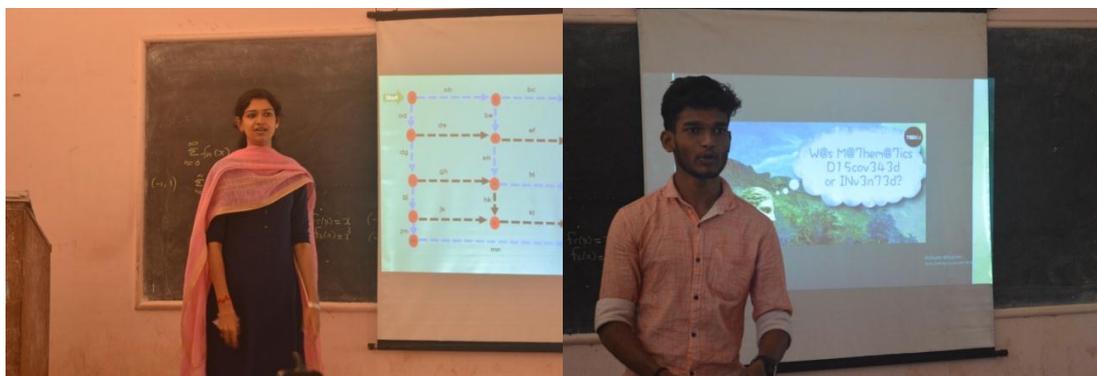
An orientation class was organized for the second and third year students of B.Sc Mathematics as a motivation for the blooming buds on 15th December 2018 at Voc.B.Com Seminar Hall. The class was taken by the eminent resource persons from MAYA ACADEMY OF ADVANCED CINEMATICS

The main topics were animation, multimedia and gaming . Instructions were given to the students regarding placements. Various resources needed for higher study were also suggested. Ms. Sreeleshmi I Nair of D3 Mathematics expressed words of gratitude.



MATHEMATICS COLLOQUIUM

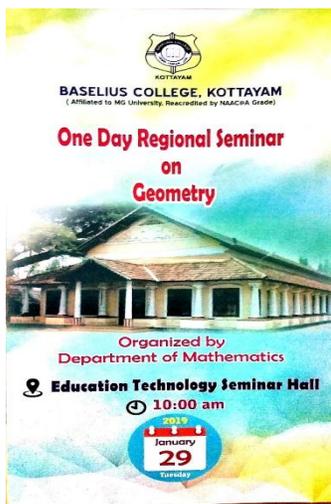
A Colloquium for Mathematics was started in order to provide a platform for interaction and discussion on recent developments and trends in the area of Mathematics. The programme is designed such that a topic in Mathematical Science is presented by a student or a faculty member every month (preferably 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 10.12.2018 by Ms. AnjuSali of D3 Mathematics. She presented the topic 'Some Mathematics Conjecturers'. The following students were presented various mathematics topics during this academic year.

| Name of The Student | Topics |
|---------------------|------------------------------|
| Sreelekshmi I Nair | Vedic AMathematics |
| Christy J Kurian | Golden Ratio |
| Krishnaraj M.V. | Mathematics in Astronomy |
| Ranju Maria Kurian | Mathematics in Everyday Life |
| Sreelekshmi s Kumar | Graph Theory and Google Map |
| Dani Susan chacko | Fractals |

ONE DAY REGIONAL SEMINAR



One day Regional Seminar on “**Geometry and Statistical Common Sense**” was organized on 29th January, 2019.

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



..

Dr. Ullas Thomas, Assistant Professor, S.B.College, Changanacherry taken the class on the topic ‘Certain aspects of Geometry’. Geometry in Nature was explained by showing several examples and thereby made the students interested and motivated by giving the concept of Origin and Development of Geometry. Also the applications of geometry in many fields including art, architecture, Physics as well as to other branches of mathematics were mentioned. The students were very much interested in the lecture.



The afternoon session was on ‘Statistics and commonsense’ by Dr,Stephy Thomas Assistant Professor, B.C.M College, Kottayam. This Class provided students with frequently elusive link with between statistical results and practical applications .Also the resource person



emphasized to understanding statistical results and using common sense in decision making. Everyday examples bring the concepts to life. Also explained how a Statistical result incorrectly overruled the common sense of many doctors. The students were very much interested in the lecture. 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.

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 fourth chapter of the Programme was conducted on 4th February, 2019 at Education Technology Seminar Hall.



Prof. Tessymol Abraham, Assistant Professor of the Department welcomed the gathering. Prof. Anu Varghese, Assistant



Professor, B.C.M. College, Kottayam and Mr. Sinulal T.S Research Scholar, C.M.S College, Kottayam served as judges for the competition.

There were 8 participants from various colleges. Ms. Jyothis Mary Joseph B.K. College Amalagiri and Mr. Jimmy Joemon Thottathil, Baselius College Kottayam bagged the 1st and



2nd prizes respectively in the competition. The 3rd prize was won by Mr., Krishnaraj V Baselius College, Kottayam. Prof. Jancey Thomas. Principal of Baselius College did the prize distribution.



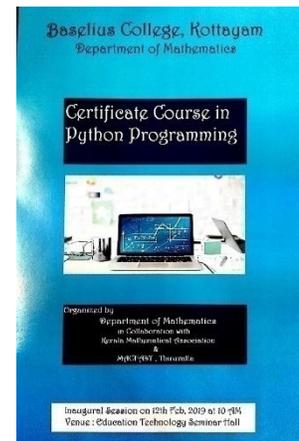
Winners of Project competition with Dr. Jancey Thomas, Prof. Anu Varghese, Mr. Sinulai (Judges for the competition) and faculty members of the department

CERTIFICATE COURSE ON PYTHON

The department conducted a certificate course on Mathematical Programming language 'PYTHON' in collaboration with Kerala Mathematical Association and Department of Computer Applications, MACFAST,



Thiruvalla. The course was focused on students, Researchers and teachers in the field of Mathematics and allied subjects. The



course was of 30 hour duration. The first session of the course was on 12th February 2019. The resource person was Prof .TijiThomas,H.O.D, Dept. of Computer Applications, MACFAST,Thiruvalla.

The course covered relevant topics of PYTHON.This Python Course helped students to master important Python programming concepts such as data operations and file operations .This course was also a gateway towards Data Science career. 32 students registered and successfully completed the course.



Particapnts of the certificate course on 'PYTHON'with their tutor Prof.Tiji Thomas(H.O.D, Dept. of Computer Applications, MACFAST,Thiruvalla),and faculty members of the department

FAREWELL CERMONY

Mathematics association organized a farewell ceremony on 12,march 2019 in the Voc.B.Com hall where students of D1,D2 Mathematics bid farewell to the outgoing students of D3 Mathematics with great enthusiasm and off course nostalgia.Function began with a floral welcome of seniors by junior students. The teachers wished good luck to the outgoing students for their future .Token of love and appreciation was given

to the students by Dr. Annie Cherian, head of the Department. A video presentation by junior students made everyone mushy. It reminded them of yesteryears and home away from home. The nostalgic students of the final year brought tears to the eyes of all present by the recollection of their college days. Some exciting games were also arranged for the students.

EXTENSION ACTIVITIES

15 students from D1, D2 and D3 Mathematics had been taking classes for students in Government Model High School during the month from July to December 2018 to extend of their mathematical ability in doing calculations.

N.S.S TEAM

16 Students from D1, D2, and D3 mathematics were actively participated in N.S.S. activities during this academic year.



NSS Team from Mathematics Family

STUDY TOUR

The annual tour for final year B.Sc students of the Department of Mathematics was from 14th to 17th December 2018 to Belur and Coorg. A total of 38 students, 23 girls and 15 boys were accompanied by 3 supervising staffs; Dr. Annie Cherian, Prof. Jaimy Sarah Jacob and Sri. Githu K Giji.



D3 Mathematics Students at Belur Temple

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

- Austin Jose Kuriakose, Harisankar K. of D2 Mathematics won third position in Inter collegiate Quiz Competition conducted by the PG department of Mathematics, Deva Matha College, Kuravilangadu on 8th February 2019



- MeghaViju, Manna Chin Abraham of D2 Mathematics won third position in the Professor K. Ramakrishna Pillai Memorial All Kerala Problem Solving Contest in Statistics organised by the department of Statistics, St. Thomas College, Pala.
- AmalAby joseph of D3 Mathematics won first position in *Rubik's Cube* of *Kanakeecia'19* organised by department of Mathematics, Sacred Heart College, Thevara on 16-17 January 2019.
- Amal Aby joseph of D3 Mathematics won second position in the event *Kakuro* of *Kanakeecia'19* organised by department of Mathematics, Sacred Heart College, Thevara on 16-17 January 2019.

II. CO-CURRICULAR ACHIEVEMENTS (Sports/Arts)

a) Achievements outside the College

- Arunponnachen was selected to attend EBSB Camp (NCC- National Camp) from 22nd December 2018 to 4th January 2019 at Nasik Road , Maharashtra.
- NidheeshP.P of D2 Mathematics was selected to attend the seven days National Integration Camp from 01.03.2019 to 07.03.2019.
-

b) Achievements inside College



.Mathematics Students in Arts Day Celebrations

- Sarath Babu S. of D2 Mathematics got first prize for Mono Act competition in the College arts festival and got selected to participate in University Arts Festival Competition.
- Anagha R. of D2Mathematics got third prize for Hindi Poetry competition in the College arts festival.
- Greeshama J. of D1 Mathematics won 3rd prize for Bharathanatyamcompetition in the College Arts festival.
- Junaid Shah of D1 Mathematics won second prize for cartooning competition in the Arts Festival.
- Anjana S. of D1 Mathematics won 3rd prize for thiruvathira competition in the Art's festival.
- Aswini B.S, Alan Maria Sebastian, of D1 Mathematics, Parvathykutty T.G, Anagha S., Abhidha Sunny of D2 mathematics, won third second prize in the Margam kali competition in the College Arts festivaland got selected to participate in University Arts Festival Competition.
- SarathBabu S. and Abhidha Sunny of D2 Mathematicswon 3rd prize for ganamela competition in the Art's festival.
- SarathBabu S. ,Parvathykutty T.G, Anagha S., Nidheesh P.P., Austin Jose Kuriakose and Abhidha Sunny of D2 Mathematics won 3rd prize for one act play competition in the Art's festival.
- Ajay Sajeev, Stephin K. Saajan, Junaid Shah, Joel Kurian, Jithin John, Aru H., Abhijith M. Manoj, Alan Roy won first place in Duffumutt Competition in the College Arts festival.



March Past of Mathematics Students in Sports Day Celebrations

SEMINARS AND CAMPS ATTENDED

- Arunponnachen of D3 Mathematics attended EBSB Camp (NCC- National Camp) from 22nd December 2018 to 4th January 2019 at Nasik Road , Maharashtra.
- NidheeshP.P of D2 Mathematics attended the seven days National Integration Camp from 01.03.2019 to 07.03.2019 organised by State NSS Cell. Dept. of Youth Empowerment & Sports, Department of Collegiate Education and Govt. First Grade College, Haveri, Karnataka in association with Karnatak University, Dharwad.
- AdhithyaSabu, Dani Susan Chacko of D3 Mathematics attended All Wing Training Camp of NCC held at Amritha HSS, Moolavattom from 15th – 24th August 2018.
- Christy J. Kurian, Teenumol of D3 Mathematics and Abhidha Sunny of D2 Mathematics attended All Wing Training Camp of NCC held at Cherakkadavu Erattayar.
- Rony Thomas of D2 Mathematics attended CATC held at CMS H.S.S, Pallam on 15th July 2018.
- Rony Thomas of D2 Mathematics attended TCS1 held at Mar Thoma College, Thiruvalla.



MATHS TEAM-Students of Mathematics department during the year 2018-19

In this 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.