

# MATHEMATICS' ASSOCIATION

## REPORT 2016-17

### OFFICE BEARERS

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

Association Secretary : **Muraleekrishnan, D3 Maths**

Class Representatives :

Sl.No.	Class	Boy Representative	Girl Representative
1	D1 Maths	Sree Harikrishnan. R	Mahin Philip
2	D2 Maths	Harikrishnan R.	Mariya Susan Varghese
3	D3 Maths	Muraleekrishnan	Allu Merin Sabu

The year 2016-17 was a joyful year for the Association of Mathematics as it has been celebrating its 50<sup>th</sup> 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 2016-2017

#### INAUGURATION OF THE LECTURE SERIES ON VEDIC MATHEMATICS

##### LECTURE SERIES – I

The Association of Mathematics commenced its works on 17<sup>th</sup> June, 2016 with the inauguration of the first class of the Lecture Series on '*Vedic Mathematics*', on the topic

“Exploring Indian Contribution in Mathematics” by Sri. P. Devaraj from Ramanuja Sarani. Dr. Annie Cherian welcomed the meeting and the principal, Prof. Alexander V. George presided over the meeting.

The three hour class began at 10.30am and was conducted at education Seminar Hall. The class was extremely beneficial for the students as it helped them to get an aware of the Great Indian Mathematicians and their major contributions in the field of Mathematics. The programme ended up at 1.30 pm.



### **STATISTICS QUIZ COMPETITION**

The department organized a Statistics Quiz Competition for the second year and third year students of the Department of mathematics on 29<sup>th</sup> June at 3.00 pm in Educational Seminar Room as a part of National statistics Day. The Competition was lead by the head of the department Dr. Annie Cherian and Ms. Anumol T.A of Baselius College.

10 teams were participated and the team comprising Ms. Binuja Varghese and Ms. Allu Merin Sabu secured the first prize and the team of Mr. Novin Francis and Mr. Manjunath of D2 Mathematics won the second prize.



## **LECTURE SERIES – II**

The second lecture series of Vedic Mathematics by Sri P. Devaraj, was conducted on July 1<sup>st</sup>, 2016 on 2.00 pm at Educational Seminar Room. The class was on “*Fundamentals of Vedic Mathematics & its Application-I.*”



Fundamentals of Vedic Mathematics were explained and different techniques in doing fundamental Arithmetic Operations were also shown by Sri. P. Devaraj during this session. This enhanced the student’s skill in doing arithmetic operation especially multiplication of large numbers in less time. It also helped the students to boost their thinking capability and memory. The

program was winded up at 4.30 pm. Ms. Anumol T.A delivered the vote of thanks.



## **ORIENTATION PROGRAMME**

An orientation programme, ‘Mind it, mind Solutions’ for the students of D3 Mathematics was held in two sessions on 19<sup>th</sup> July by Mr. Prince Varghese, a mind trainer and a motivational speaker at 10.00am at Education Technology Seminar Hall. The students were able to train and control their mind through this class. 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 class was finished up at 4.30 pm.

### **PI APPROXIMATION DAY CELEBRATION**

With regard to the PI approximation day on 22/07/2016, the association of Mathematics celebrated the day by inviting the first year joined student Mr. Amal Aby Joseph who had achieved the Honorary Doctorate in Mathematics and also bagged 10 world records in various categories of mental calculations in Mathematics. One of his prestigious records was on reciting more than 100 decimal numbers in the decimal expansion of  $\pi$ .



The program started at 2.00pm at Education Technology Seminar Hall and Head of the Department of Mathematics welcomed the gathering. Prof. Jaimy Sarah Jacob delivered the vote of thanks. The programme came to an end at 4.00pm.

### **ASSOCIATION INAUGURATION AND FRESHER'S DAY CELEBRATION**

The official inauguration of Mathematics' Association on this year was inaugurated by Sri. Pratheesh C. Mammen, a Project Scientist, Institute of Climate Change Studies, Kottayam on 8<sup>th</sup> August 2016. Prof. Alexander V. George presided over the meeting and delivered the presidential address, Dr. Annie Cherian welcomed the crowd and Prof. Tessymol Abraham gave the felicitation and the meeting was concluded by the vote of Thanks by Ms. BinujaVarghese.



The inaugural meeting was followed by a special lecture on 'Mathematics & Web Life' by Sri. Pratheesh Mammen. How mathematics was keenly related to the real life especially in the studies of climatic changes was also discussed in this lecture.



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



## **ORIENTATION PROGRAMME FOR D1 STUDENTS**

The first year students were given an orientation by Prof. Mary Mathew, the former vice principal of Baselius College on 12<sup>th</sup> August 2016 at 1.30 pm.

Problems faced by the adolescence and discuss their problems frankly. how to tackle those problems with courage and confidence were also discussed in the session. The importance of character formation, personality development was also mentioned. The interactive session made the students to open their mind and



## **LECTURE SERIES –III**

The third lecture series of Vedic Mathematics on “*Fundamentals of Vedic Mathematics & its Application-IP*” by Sri P. Devaraj, was conducted on 30<sup>th</sup> August, 2016 at 2.00 pm in Educational Technology Seminar Room. The short cut techniques for the basic calculations in multiplication of large numbers were taught.

## **Prof. M.J THOMAS MEMORIAL INTER-COLLEGIATE QUIZ COMPETITION**

On its 50<sup>th</sup> year of excellence, Mathematical Association of Baselius College, Kottayam was conducted an inter-collegiate Quiz Competition in the memory of late Prof. M.J Thomas who had been the charioteer of the Department of Mathematics and later, the Principal of the college.



Mrs.Mammen Mappila Hall (Education Technology Seminar Hall). Dr. Sunil C. Mathew, St. Thomas College, Pala was invited as the Quiz Master. Almost 20 teams of two were participated in the competition from various colleges.

The Quiz Competition was held at 10.30 am on 1<sup>st</sup> September, 2016 in

Ms. Vandhana B. Prabhu and Mr. Suvidith K. of S. H. College, Thevara; Joseph Nelson P. and Bejoy Jaison, St. Thomas College, Thrissur; Mr. Cyril J. Jacob and Augus kurian, S. B. College, Changanacherry won the 1<sup>st</sup> position, 2<sup>nd</sup> position and 3<sup>rd</sup> position respectively.



The quiz was highly beneficial to all the students gathered over there.

Moreover, Prof. M.J Thomas memorial endowment for the best outgoing student was also distributed on this occasion. Ms. Anu Thomas was the recipient of this endowment.

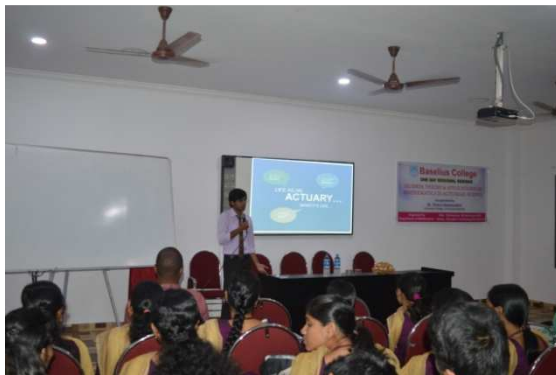
### **ONE DAY REGIONAL SEMINAR**

A One-Day Regional Seminar on **Number theory and Applications of Mathematics in Actuarial Science** was conducted on 9<sup>th</sup> November at Mrs.Mammen Mapila Room. The programme started with an inaugural meeting and was inaugurated by Dr. Vishnu

Namboothiri, Govt. Women's College, Thiruvananthapuram. Dr. Annie Cherian welcomed the gathering and Prof. Alexander V. George, the principal presided over the meeting. Art's Club Secretary Mr. gave felicitation.



The forenoon session of the seminar was taken on 'Mysterious Primes' by Dr. Vishnu Namboothiri. The basics of Number theory were explained on that session. The possibilities of numerous topics for research and findings were also disclosed. This session was winded up by the vote of thanks by Prof. Jaimy Sarah Jacob.



The Afternoon session was on 'Actuarial Science as a field of Mathematics' and was taken by Mr. Harsh Jaitak, a scholar of B. R. Abdu Rahaman Institute of Actuarial Science. Mr. Harsh Jaitak was also accompanied by Mr. Innocent Madugu and Mr. Anil Kumar who



were also the scholars of the same institution. This seminar created awareness among students about various fields of Mathematics and motivate them to choose Mathematical Science for higher studies. An interactive session with students was also carried out by Mr. Innocent Madudgu. This session ended up with a vote of thanks by Ms. Anumol T.A.

### **MADHAVA MATHEMATICS COMPETITION**

The Department of Mathematics provided a centre for Madhava Mathematics Competition for undergraduate students organised by Department of Mathematics, S. P College, Pune and Homi bhabha Centre for Science Education, T.F.I.R, Mumbai, at 2.00 pm on 8<sup>th</sup> January 2017.

### **INTER-COLLEGIATE PROJECT PRESENTATION COMPETITION**

The second Project Presentation competition was held at 10.00 am in Education Technology Seminar Hall on 8<sup>th</sup> February 2017. The programme began with a meeting and Prof. Alexander V. George was presided over the meeting. Prof. Jaimy Sarah Jacob welcomed the gathering. Prof. P.J. Joy, the former HOD of Department of Mathematics, K. E. College, Mannanam and Prof. Jayasree Thomas, Department of Mathematics, Assumption College, Changanacherry were served as judges in the competition.

A wide area of new knowledge had been disclosed before the students through this project presentation competition. In the judges' remarks, both the judges shared their views and idea on how a project should be done, and how these sorts of



competitions help one to acquire knowledge in various branches of Mathematics. The further explanations from the part of judges at the time of discussion were highly beneficial for both the participants and the audience.



Mr. Novin Francis, IEEE, College of Engineering, Adoor, Ms. Reshma Rosilin Joseph, third semester student of Alphonsa College, Pala, and Sreelakshmi I. Nair of Baselius College, Kotayam acquired the first, second and third positions respectively.

### **ALUMNI MEET**



On its 50<sup>th</sup> year of excellence, the Mathematics' Association organized an Alumni meeting on 14<sup>th</sup> January at 2.00 pm in Dr. A.P. Mani Hall. The invited guest Sri. Uthup Joseph, Senior Divisional Manager of LIC gave the keynote address.

The head of the Department Dr. Annie Cherian presided over and welcomed the meeting. The senior teachers were honoured by ponnada as a tribute to teachers in the meeting. All the first year students who gathered over there were honoured by presenting them with memento. Several programs by the students as well as the alumni of Department of Mathematics added attraction to the meeting. Most of the Alumni from each batch participated in the event. All the senior teachers delivered their auspicious moments and experiences while they had in the college. A representative from each batch gave reply talk. Prof. Tessymol Abraham delivered vote of thanks. The program ended up at 4.30 pm.



### **FAREWELL TO THE PRINCIPAL**

Prof. Alexander V. George, our proud pedagogue of Department of Mathematics as well as the charioteer of Basilius College, Kottayam was given a warm farewell by the Association. He had been the head of the department of Mathematics during the academic year 2013-14 and was elevated as the principal of M.D College, Pazhanji on the year 2014 and became the principal of Basilius College on 2015.



The meeting began at 10.00 am in Dr. A.P. Mani Hall on 23<sup>rd</sup> February. The former HOD of the Department of Mathematics, Rajeev Gandhi Institute of Technology, Pambadi was the invited guest for the programme. The gathering was presided over by Dr. Annie Cherian. Prof. Jaimy Sarah Jacob welcomed the gathering. Senior teachers, representatives from each batch of Alumni and the Mathematics' Association gave felicitation for the departing teacher.

In honour of Prof. Alexander V. George, a special lecture was also organised in the afternoon session on the topic 'Graceful Graphs' by Dr. V. D. Sebastian. He explained how the graphs are graceful in real life situations as they are the key for describing the real life in an easily understandable way.



## **STUDY TOUR**

The annual tour for students of the Department of Mathematics was conducted on 25<sup>th</sup> November 2016 to 28<sup>th</sup> November 2016 to Coorge, Chikkamangaloor and Wonderla. A

total of 41 students of 9 boys and 32 girls were accompanied by 3 supervising staff members Prof. Jaimy Sarah Jacob, Prof. Nibu B. Thomas and Smt. Aleyamma Thomas.

## **EXTENSION ACTIVITIES**

### **I. ORIENTATION PROGRAMME IN ANCIENT INDIAN MATHEMATICS**

As an extension activity the Association of Mathematics organised an orientation programme for school students on Ancient Indian Mathematics. It helped the students to know more about history of Mathematics as well as enhance their skills in mathematical calculations and solving mental calculations in a short time.



II. 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 November 2016 to extend of their mathematical ability in doing calculations.

## **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**

#### **a) Campus Recruitments**

Ms. Jinta Tom, Ms, Devi Suresh, Ms. Sony Biju of D3 Mathematics, got placement in the recruitment with Infosys.

#### **b) Inter-Collegiate Level**

Ms. Sreelakshmi I. Nair of D1 Mathematics won third prize in the Inter-collegiate Project Presentation Competition conducted by Baselius College, Kottayam on 8<sup>th</sup> February 2017.

### **II. CO-CURRICULAR ACHIEVEMENTS (Sports/Arts)**

#### **a) Achievements outside the College**

- Ms. Vidya J of D2 Mathematics won third place and ‘A’ Grade for group song.
- Mr. Nirmal Joy Cherian of D1 Mathematics won ‘A’ grade in ‘Kolkali’.
- Ms. Emily Varkey, Ms. Ganga S. Kumar of D2 Mathematics and Mr. Sanal Scaria of D1 Mathematics participated in Hindi essay Writing, Hindi Elocution and Instrumental Music categories in the University Youth Festival.

**b) Achievements inside College**

- Ajala Lal of D3 Mathematics got third prize for Best hair style (female) competition in the College Arts festival.
- Muhammad Hisham of D3 Mathematics got first place in the Best Mustache & Best Beard Competition in the College Arts Festival.
- Vidya J. of D1 Mathematics won second prize for classical music competition in the Arts Festival and got selected to participate in University Arts Festival Competition.
- Ganga S. Kumar of D2 Mathematics got first prize for Hindi Elocution competition in the College arts festival.
- Emily Varkey of D1 Mathematics won 1<sup>st</sup> prize for Hindi essay writing competition and second prize in Hindi Story Writing competition in the College Arts festival.
- Nithin Abraham John of D2 Mathematics won 1<sup>st</sup> prize for Best smile (male) competition in the College Arts festival.
- Jilu Jose of D1 Mathematics won second prize for Best smile (female) competition in the College Arts festival.

**SEMINARS AND CAMPS ATTENDED**

Maria Susan Varghese and Ragarjun S. of D2 Mathematics participated in NSS Camp as volunteer Secretary.

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.

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