



### PRINCIPAL'S MESSAGE



I am very happy to see that the Department of Mathematics is bringing out the annual newsletter for the year 2020-21. This Newsletter is an effort to expose the activities of the Department during this academic year. I take this opportunity to congratulate all those worked to their level best for realizing this.

### FROM THE EDITOR'S DESK



"One child, One teacher, One pen and One book can change the world" - Malala Yousafzai.

During 2020 the entire world was in the grip of Covid-19 pandemic. The pandemic has wreaked havoc on human life. Despite the pandemic, the teachers and students of the Mathematics Department made great strides during the academic year 2020-21.

With utmost pleasure and pride, we present, MASA, our newsletter to you. The newsletter is intended to showcase the talents of the young minds. The newsletter mirrors the artistic flair of the young buds. Effects have been taken to encompass activities, academic prowess, research ventures and achievements of the faculty and the students. Thank you. We hope you will find our newsletter informative.

### The Department bids farewell to Prof. KochuThresiamma Joseph



### MESSAGE FROM HOD



Being a faculty of the Department of Mathematics for 25 years, I feel extremely proud because of its tremendous achievements and the on-going, successful journey. The Department celebrated its Ruby Jubilee in the year 2019-20. I feel extremely delighted that in this academic year we have got the 10th Rank (UG) and 6th Rank (PG) at the University Level. As I move towards retirement, I wish all the best to the faculty and students of the department to do their devoir very well and acquire meritorious achievements in academics as well as in co-curricular activities in its journey, specially to its Golden Jubilee.

Prof. KochuThresiamma Joseph a native of Edathua did her degree in St. Aloysius College, Edathua and Post - Graduation at St. Berchmans College, Changanacherry. She was a rank holder for the M.Sc Programme in the Mahatma Gandhi University, and she completed her MPhil from the Govt College, Kariavattom. From Titus Teacher's Training College, Thiruvalla she won her B.Ed.

Prof. KochuThresiamma Joseph joined St.

Aloysius College, Edathua in the capacity of lecturer against a leave vacancy for one year in 1988. Her service from 1990-96 was in Jawahar Navodaya Vidyalaya as a Post - Graduate faculty. In 1996, her Alma mater, St. Aloysius College, Edathua entertained her as a permanent faculty. This marked the beginning of her long and fruitful journey.

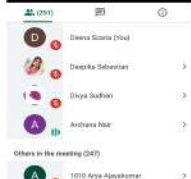
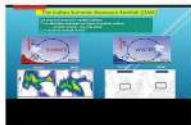
She has proved her leadership capabilities by

serving as the College CSM Director, NSS officer, Debating and Elocution Club in charge and Vincent de Paul association's chair. Her long term association with the debating and elocution club has resulted in organising interdepartmental and intercollegiate elocution and debate competitions. She, the head of our department is now the Vice Principal of the College.



## WEBINAR

The Mathematics Association of our department organized a webinar on the topic "Modelling the Invisible Mathematics" on July 25, 2020 at 10:00 AM. Dr. Archana Nair, Assistant Professor, Department of Mathematics, Amrita School of Arts and Science, Edappally was the resource person.



## RUBY JUBILEE WEBINAR SERIES

The department organized a webinar series as part of its Ruby Jubilee celebrations. The webinar series was inaugurated by Dr. Jochan Joseph, Principal of our college on 7 September 2020



### Ruby Jubilee Webinar Series

Organized by  
DEPARTMENT OF MATHEMATICS  
St. Aloysius College Edathua

**Webinar 1** (Click here: <https://www.google.com/url?sa=D>)

- Date and Time: 07 September 2020 (Mon) 10:30 - 12:30
- Topic: "Introduction to Persistent Homology"
- Resource Person: Dr. Sunil Jacob John, MIT Calicut



**Webinar 2** (Click here: <https://www.google.com/url?sa=D>)

- Date and Time: 18 September 2020 (Tue) 5:00 - 4:30
- Topic: "Yarnification Group"
- Resource Person: Sri. Vinod S., Govt. Women's College, Thiruvananthapuram



**Webinar 3** (Click here: <https://www.google.com/url?sa=D>)

- Date and Time: 14 September 2020 (Mon) 10:00 - 11:00
- Topic: "Some Topics in Functional Analysis"
- Resource Person: Dr. V. B. Kiran Kumar, OUSAT



#### Registration and Contact Details

Registration Link- Click here: <https://forms.gle/7Dz2dN9v8P79J0d7>  
Contact Details: Sri. Jijo Joy (Jubilee Convener) 9645615102,  
Smt. Kochuthresiamma Joseph (HOD) - 9495602332  
Email: [masa@staloysiuscollege.edu.in](mailto:masa@staloysiuscollege.edu.in)  
Webinar Click here: <https://staloysiuscollege.edu.in/webinar2020>

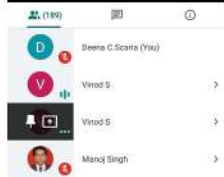
## WEBINAR 1

The first webinar of the series was delivered by Dr. Sunil Jacob John, Associate Professor, Department of Mathematics, National Institute of Technology, Calicut on 7 September 2020. He spoke on the topic "Introduction to Persistent Homology". The talk was attended by more than 200 students, research scholars and faculty from around the country. Prof. Kochuthresiamma Joseph, the Head of the Department, welcomed the gathering and Sri. Jijo Joy, Jubilee Convener and Co-ordinator of the programme, proposed the vote of thanks.



## WEBINAR 2

The second webinar of the jubilee webinar series was conducted on 10 September 2020. Prof. Vinod S., Associate Professor, Department of Mathematics, Govt. Women's College, Trivandrum was the invited speaker. He spoke on the topic "Permutation Groups". The talk was attended by more than 250 students, research scholars and faculty from around the country. Smt. Deena C. Scaria welcomed the participants and Prof. Jogy Joseph delivered the vote of thanks.



Others in the meeting (185)



## WEBINAR 3

Dr. V. B. Kiran Kumar, Assistant Professor, Department of Mathematics, Cochin University of Science and Technology, Kalamassery delivered the third and final talk of the jubilee webinar series on 14 September 2020. He spoke on "Some Topics in Functional Analysis". The webinar was attended by around 250 research scholars, postgraduate students and faculty from various colleges of India.



## ALL KERALA INTER-COLLEGIATE MATHEMATICS PAPER PRESENTATION COMPETITION

In connection with the Ruby Jubilee celebrations the department organized an All Kerala Inter-Collegiate Mathematics paper presentation competition for B. Sc./M.Sc. Mathematics students with the financial support of our 1982-85 B. Sc. Alumni Batch. A total of 39 participants attended the preliminary round, out of which 12 qualified for the final round online, which was conducted on 12 September 2020. The prize winners are:

1. First prize of Rs. 1500 and E-Certificate : - Sneha B., II M. Sc. Mathematics, Government College, Chittur.
2. Second Prize of Rs. 1000 and E-Certificate:- Dhanya K. Gopi, II M. Sc. Mathematics, St.Dominic's College, Kanjir-appally
3. Third Prize of Rs. 750 and E-Certificate:- Aasisha M. P., III B. Sc. Mathematics, St. Xavier's College for Women, Aluva

## ALL KERALA INTER-COLLEGIATE ELOCUTION COMPETITION FOR B. SC./M. SC. MATHEMATICS STUDENTS

In connection with the Ruby Jubilee celebrations, the department organized an All Kerala Inter-Collegiate Elocution competition for B. Sc./M.Sc. Mathematics students with the financial support of our 1982-85 B. Sc. Alumni Batch. The topic for the competition was "Mathematics, the language of Nature". A total of 27 participants attended the competition which was conducted in the online mode with the last date for submission was 12 September 2020. The prize winners are:

1. First prize of Rs. 1500 and E-Certificate : - Angel Mariam Jacob, II B. Sc. Mathematics, Mar Thoma College, Thiruvalla
2. Second Prize of Rs. 1000 and E-Certificate:- Dany P. Shibu, II M. Sc. Mathematics, Catholicate College, Pathanamthitta
3. Third Prize of Rs. 750 and E-Certificate:- Shiby Joseph, III B. Sc. Mathematics, St. Stephen's College, Uzhavoor

## All Kerala Intercollegiate Elocution Competition

(For Students in B.Sc./M.Sc. Mathematics Stream)

Organized by

Department of Mathematics

St. Alexia's College Edathua

(Prizes Sponsored by: 1982-85 B. Sc. Batch Alumni)

Topic: "Mathematics, the language of Nature"

### Winners

First Prize (Rs. 1500/- + E-Certificate)

Angel Mariam Jacob

(Class No. E-14)

II B. Sc. Mathematics

Mathana College Thiruvalla

(Marks: 267/300)



Second Prize (Rs. 1000/- + E-Certificate)

Dany P. Shibu

(Class No. E-05)

II M. Sc. Mathematics

Catholicate College Pathanamthitta

(Marks: 296/300)



Third Prize (Rs. 750/- + E-Certificate)

Shiby Joseph

(Class No. E-12)

III B. Sc. Mathematics

St. Stephen's College Uzhavoor

(Marks: 254/300)



All Kerala Inter Collegiate 'Mathematics Paper Presentation Competition' Via Online

Organized by

Department of Mathematics

St. Alexia's College Edathua

(Prizes Sponsored by: 1982-85 B. Sc. Batch)

### Winners

1. First Prize (Rs. 1500/- + E-Certificate)

Sneha B.

(Class No. P-22)

II M. Sc. Mathematics

Government College, Chittur

(Marks: 284/300)



2. Second Prize (Rs. 1000/- + E-Certificate)

Dhanya K. Gopi

(Class No. P-16)

II M. Sc. Mathematics

St. Dominic's College, Kanjirappally

(Marks: 275/300)



3. Third Prize (Rs. 750/- + E-Certificate)

Aasisha M. P.

(Class No. P-13)

III B. Sc. Mathematics

St. Xavier's College, Aluva

(Marks: 264/300)



Organized by St. Alexia's College Edathua

Distorted Marks of the final round is published in this Website.

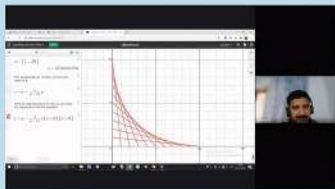


## DOMSAC INTERNATIONAL LECTURE SERIES

The department organized a year- long, monthly Lecture Series named DOMSAC (Department of Mathematics St. Aloysius College) International Lecture Series. The Lecture Series was inaugurated by Dr. Jochan Joseph, Principal of our college, on 28 October 2020.

### DOMSAC LECTURE 1

The first lecture of the DOMSAC International Lecture Series was delivered by Dr. Pravas K. on 28 October 2020. He spoke on the topic "Visualizing some Mathematical Concepts using Softwares". The first lecture was organized in connection with the 209th birth anniversary of the famous mathematician Evariste Galois. Dr. Indulal G., Associate Professor of our college, gave a short biography of Evariste Galois. Smt. KochuThresiamma Joseph, Head of the Department welcomed the gathering and Smt. Deena C. Scaria, Co ordiator of the programme, proposed the vote of thanks.



### DOMSAC LECTURE 3

The third lecture of the DOMSAC International Lecture Series was delivered by Dr. Michel Waldschmidt on 29 December 2020. She spoke on the topic "Srinivasa Ramanujan: His Life and His Work". The third lecture was organized in connection with the 133rd birth anniversary of the famous Mathematician Srinivasa Ramanujan. Dr. Indulal G. welcomed the gathering and Kumari Elizabeth Zachariah delivered the vote of thanks.



### DOMSAC LECTURE 2

The Second lecture of the DOMSAC International Lecture series was delivered by Dr. Didimos K. V on 20 November 2020. She spoke on the topic "Complex Numbers and Quaternions". The second lecture was organized in connection with the 266th death anniversary of the famous mathematician Abraham de Moivre. Dr. Indulal G., Associate Professor of our college, gave a short biography of Abraham de Moivre. Dr. Mary George welcomed the gathering and Sri. Jijo Joy proposed the vote of thanks.



### DOMSAC LECTURE 4

The fourth lecture of the DOMSAC International Lecture Series was delivered by Dr. Aparna Laxmanan on 27 January 2021. She spoke on the topic "Application of Graph Theory in day to day Life". The fourth lecture was organized in connection with the 378th death anniversary of the famous mathematician Galileo Galilei. Dr. Indulal G., Associate Professor of our college, gave a short biography of Galileo Galilei. Dr. Jubin Antony welcomed the gathering and Kumari Vidya M. Nair proposed the vote of thanks.



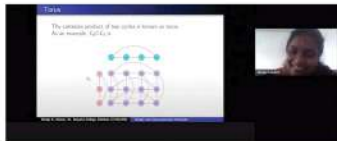
#### Bernoulli numbers

$$B_0 = 1, \quad \sum_{k=0}^{n-1} \binom{n-1}{k} B_k = 0 \quad \text{for } n \geq 1.$$

$B_1 = -\frac{1}{2}$        $B_2 = \frac{1}{6}$        $B_3 = 0$        $B_4 = -\frac{1}{30}$   
 $B_5 = 0$        $B_6 = \frac{1}{42}$        $B_7 = 0$        $B_8 = -\frac{1}{30}$   
 $B_9 = 0$        $B_{10} = \frac{5}{66}$        $B_{11} = 0$        $B_{12} = -\frac{691}{2730}$

## DOMSAC LECTURE 5

The fifth lecture of the DOMSAC International Lecture Series was delivered by Dr. Manju K. Menon on 27 February 2021. She spoke on the topic "Graphs and Inter- Connection Networks". The fifth lecture was organized as mark of respect towards the great mathematician Frank Ramsey. Dr. Indulal G., Associate Professor of our College gave a short biography of Frank Ramsey. Smt. Deena C. Scaria, the Coordinator of the lecture series welcomed the gathering and Kumari Jisha Margaret Alexander proposed the vote of thanks.



## DOMSAC LECTURE 6

The Sixth lecture of the DOMSAC International Lecture Series was delivered by Dr. C. R. Jayanarayanan on 26 March 2021. She spoke on the topic "Stone Weierstrass Theorem". The sixth lecture was organized as a mark of respect towards the great mathematician Rene Descartes. Dr. Indulal G., Associate Professor of our College gave a short biography of Rene Descartes. Sri. Jijo Joy, welcomed the gathering and Kumari Archana Babu delivered the vote of thanks.



Department of Mathematics  
St. Aloysius College, Edathua

## DOMSAC

International Lecture Series  
(Lecture 6)



TOPIC

**Stone Weierstrass Theorem**

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**26<sup>th</sup> March 2021**  
**10:00 AM**

Dr. C. R. Jayanarayanan  
Associate Professor  
TTP-SALAKAD

<https://meet.google.com/yty-omtn-khw>

©-Certificate for all participants who submit feedback form

**Kochu Thresiamma Joseph**  
(Vice-Principal & HOD)  
9495082522

**Deena C Scaria**  
(Coordinator)  
9447010001

## 10<sup>TH</sup> RANK IN M. G. UNIVERSITY FOR THE B. SC. MATHEMATICS EXAM, MARCH 2020

Ms. Bhavithalakshmi R. secured the 10th Rank in the M. G. University B. Sc. Mathematics Exam March 2020.



## 6<sup>TH</sup> RANK IN M. G. UNIVERSITY FOR THE M. SC. MATHEMATICS EXAM, MAY 2020

Ms. Andria Noronha secured the 6th Rank in M. G. University M.Sc. Mathematics Exam in May 2020.



## MS. TINU V. TOM SECURED S GRADE IN THE B. SC. MATHEMATICS EXAM, MARCH 2020

Ms. Tinu V. Tom secured S Grade with the highest grade points in the M. G. University B.Sc. Mathematics Exam, March 2020.



## MATHEMATICS ASSOCIATION OFFICE BEARERS FOR THE ACADEMIC YEAR

President: **Smt. Deena C. Scaria**

Secretary: **Prerana S.** (III B. Sc. Mathematics)

Executive Members :

**Shon Jomy** (III B. Sc. Mathematics),

**Aneesha Asharaf, Alan Shaji** (II B. Sc. Mathematics)

**Archana K. Udayan, Arjun A.** (I B. Sc. Mathematics)

## MATHEMATICS ASSOCIATION INAUGURATION

The inauguration of the activities of the Mathematics Association was held on 8 October 2020. Dr. Renny P. Varghese, Head of the Department of Mathematics, Catholicate College Pathanamthitta inaugurated the association activities. The Association Secretary Ms. Prerana S. welcomed the gathering. Smt. Deena C. Scaria, the Association President, presided over the meeting. Prof. KochuThresiamma Joseph, the HOD of Mathematics, felicitated the gathering. During the program Dr. Gem Cherian, Assistant Professor of English of our college, who completed her Ph.D. recently was honoured. The toppers of B. Sc. and M. Sc. Batches were felicitated during the programme. Ms. Rajeena Tresa Jomy delivered the vote of thanks.



DEPARTMENT OF MATHEMATICS  
St. Aloysius College, Edathua

## MATHEMATICS ASSOCIATION INAUGURATION



**Dr. Renny P. Varghese**  
Associate Prof and HOD  
Post Graduate & Research Dept Of Mathematics  
Catholicate College Pathanamthitta  
**Topic : Mathematics In Real Life**

Felicitating the 2017-2020  
Toppers

MG University  
10th Rank



Bhavithalakshmi R

S Grade Winner



Tinu V Tom

Felicitating Dr. Gem Cherian  
in securing PhD



Dr. Gem Cherian

on **8<sup>TH</sup>** OCTOBER  
**10:30 AM**

A+ Grade Winners



Chere Mary Thomas



Sowmithra



Mariya Varghese



Alouya Joseph



Sarika W S

Prof. KochuThresiamma Joseph  
HOD of Mathematics

Deena C Scaria  
President

## ONAM CELEBRATION CORONAM 2020

Onam celebrations of the department was organized in online mode on August 27, 2020. Smt. KochuThresiamma Joseph, the Vice Principal and HOD of Mathematics gave the Onam message. Sri. Jijo Joy felicitated the gathering. 'Onappattu' and Onam Quiz were organized as part of the celebration. Kum. Prerana S. welcomed the gathering and Master Shon Jomy proposed the vote of thanks.



## CHRISTMAS CELEBRATION

The Christmas celebration of the department was held on December 22, 2020. In the online meeting presided over by Smt. KochuThresiamma Joseph, the Vice Principal and HOD of Mathematics, Sri. Jijo Joy delivered the Christmas Message. Carol Songs, Christmas Quiz and 'Jingle Bells' were conducted as part of the celebration.

## NATIONAL MATHEMATICS DAY & CHRISTMAS CELEBRATION

DEPARTMENT OF MATHEMATICS  
ST. ALOYSIUS COLLEGE, EDATHUA



meet.google.com/pyj-ksum-ayf



**Dr. Ravi K**  
Govt. College Chittoor

**Topic : Relevance of Mathematics in day-to-day life**  
**Date : 22/12/2020**  
**Time : 2:30pm to 4:00pm**

Prof. KochuThresiamma Joseph  
(Associate Professor)

Smt. KochuThresiamma Joseph  
(Vice Principal & HOD)

## WEBINAR

As part of the inauguration of the activities of the department this academic year, the department organized a webinar on the topic " Mathematics in Real Life" on 8 October 2020 at 10:30 AM. Dr. Renny P. Varghese, Associate Professor, Department of Mathematics, Catholicate College, Pathanamthitta was the resource person.

Activities spreads in different fields

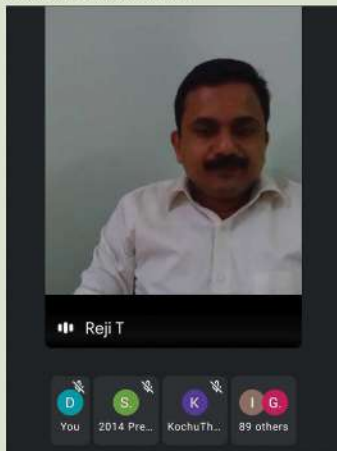
- > Hospital
- > Libraries
- > City Planning
- > Transportation system
- > Crime investigation
- > Energy conservation
- > Environmental Pollutions etc.





## NATIONAL MATHEMATICS DAY CELEBRATION

The department observed National Mathematics Day on 22 December 2020. A meeting was organized in online mode as part of the celebrations and Dr. Reji T., Associate Professor, Govt. College, Chittoor was the chief guest. During the meeting Dr. Reji T., the chief guest delivered a lecture on the topic "Relevance of Mathematics in Day-to-Day Life". Dr. Indulal G. delivered welcome speech and Ms. Shivada Ajith proposed the vote of thanks.



## CERTIFICATE COURSES

Certificate courses on "Basic Course in MATLAB" and "Typesetting using LATEX" were conducted with Dr. Mary George and Mr. Jijo Joy respectively as course coordinators. Ten students joined either course and the courses were successfully completed



## RELEASE OF NEWSLETTER 2019-20

The annual Newsletter of the department for the year 2019-20 was released by the college Principal Dr. Jochan Joseph on 30th March 2021



## DEPARTMENT MANUSCRIPT MAGAZINE

The Mathematics Association released a Manuscript Magazine entitled "PADAVUKAL" on 30th March 2021. The manuscript magazine was released by Dr. P. C. Aniyankunju the former principal of our college. Ms. Pooja Krishna was the student editor and Mrs. Deena C. Scaria served as the staff editor of the magazine.



## PEER TEACHING

To promote the teaching aptitude and to understand the concepts clearly peer teaching is promoted in all the classes. Peer teaching is functioning at two levels. One the peer teaching moderated by teachers and the other one where teachers are not present. Interested students are given special support to prepare for the classes. The topics are decided by students themselves based on the request from their peers.



## HAIR DONATION CAMP

'Hair Donation Camp' was organized on 19th March 2021 by 5(K) Naval NCC Unit Changanacherry and Women's Club, St. Aloysius College, Edathua. The programme saw good participation of students from our department.



## ALUMNI MEETINGS

Alumni meetings of the following B. Sc. and M. Sc. batches were conducted during the academic year 2020-2021.

1. 05/09/2020 - 1998-2000 M. Sc. Mathematics Batch
2. 05/09/2020 - 2012-2015 B. Sc. Mathematics Batch
3. 20/09/2020 - 1994-1997 B. Sc. Mathematics Batch
4. 25/09/2020 - 2000-2003 B. Sc. Mathematics Batch
5. 05/12/2020 - 2001-2004 B. Sc. Mathematics Batch



## FRESHERS' DAY

### DEGREE BATCH

The under graduate senior batches welcomed their juniors on 31st March, 2021. Students arranged fun programmes and refreshments.



## ALOYSIAN EXEMPLAR

Aloysian Exemplar is the prestigious competition held every year to identify the best 5 outgoing UG and PG students. This year two of our students, Kiran Theresa Mathew and Shivada Ajith (III BSc Mathematics), were selected as the Aloysian Exemplars. We congratulate them for their achievement.





## PTA MEETINGS

Class-wise parents meetings were conducted for the B. Sc. Students. Due to the Covid pandemic all the meetings were organized in the online mode. PTA meetings gave an opportunity to listen and discuss the anxiety of parents and students about online teaching and learning. The list of the various meetings are as follows.

III B. Sc. Mathematics - 07/11/2020 ; 07:00 PM, 27/12/2020 ; 07:00 PM

II B. Sc. Mathematics - 21/11/2020 ; 07:00 PM

I B. Sc. Mathematics - 14/11/2020 ; 07:00 PM



### HONOURING THE SERVICE OF PROF. KOCHUTHRESIAMMA JOSEPH

Associate Professor and Head of the Department of Mathematics, Prof. KochuThresiamma Joseph, planted a sapling to commemorate her years of service to St Aloysius College, Edathua. Dr Jochan Joseph, the Principal gratefully acknowledged her commendable service to the college on the occasion



### ST.ALOYSIUS' COLLEGE, EDATHUA Department of Mathematics



### St. Aloysius College, Edathua M.Sc. Mathematics (2019 - 2021)



## ST.ALOYSIUS' COLLEGE, EDATHUA B.Sc.Mathematics (2018-2021)



### SCHOLARSHIPS

*The following students of the department received scholarships for their academic achievements.*

<b>Ms. Kiran Theresa Mathew</b>	Rev. Dr. Thomas Pothanamuzhi Prize - Best outgoing student (Science Stream) of the college
<b>Ms. Bhavithalakshmi R</b>	Dr. P T Joseph Scholarship for highest marks in Degree Course
<b>Ms. Kiran Theresa Mathew</b>	Dr. P T Joseph Scholarship for top marks in Part I English

### STUDENTS ACHIEVEMENTS

Name of Student and Class	Event/Competition and Date	Organized by	Prize
Archana Pushpangadan, II M. Sc. Mathematics	Intercollegiate paper presentation competition; 19/09/2020	Al Ameen College, Edathala	Second
Archana Pushpangadan, II M. Sc. Mathematics	Intercollegiate paper presentation competition; 16/01/2021	BVM Holy Cross College, Cherpunkal	Third
Vishnu K., I B. Sc. Mathematics	'Adikurippu Rachana Competition'; 30/01/2021	Dept. of Malayalam, St. Aloysius College, Edathua	Second
Sreya S., I B. Sc. Mathematics	World Mother Tongue Day Quiz; 21/02/2021	Dept. of Malayalam, St. Aloysius College, Edathua	Second
Krishnendu M S, II B.Sc, Mathematics	'Malayali Manka' Photography Competition	Dept. of Commerce, St. Aloysius College, Edathua	First
Devinandhana, III B.Sc. Mathematics	'Malayali Manka' Photography Competition	Dept. of Commerce, St. Aloysius College, Edathua	Third

## PROFICIENCY PRIZE FOR STUDENTS

Sl. No.	Name of the Student	Prize
1	Aneesa Asharaf	For securing 100% marks in Statistics in I Sem. CBCS B. Sc. Exam, October 2019
2	Salini S.	For securing 100% marks in Statistics in I Sem. CBCS B. Sc. Exam, October 2019
3	Preethi Kumari P.	For securing 100% marks in Statistics in I Sem. CBCS B. Sc. Exam, October 2019
4	Aneesa Asharaf	For securing highest grade point 8.74 with A+ grade in I Sem. CBCS B. Sc. Exam, October 2019
5	Pooja Krishna	For securing 100% marks in Statistics in II Sem. CBCS B. Sc. Exam, May 2019
6	Doneeta Varghese	For securing 100% marks in Statistics in II Sem. CBCS B. Sc. Exam, May 2019
7	Sariga M. S.	For securing A+ grade in CBCS B. Sc. Mathematics Exam, March 2020.
8	Gowri Mohan	For securing A+ grade in CBCS B. Sc. Mathematics Exam, March 2020.
9	Aiswarya Joseph	For securing A+ grade in CBCS B. Sc. Mathematics Exam, March 2020.
10	Claire Mary Yovakim	For securing A+ grade in CBCS B. Sc. Mathematics Exam, March 2020.
11	Mariya Varghese	For securing A+ grade in CBCS B. Sc. Mathematics Exam, March 2020.
12	Andria Noronha	For securing highest grade point 3.66 with A grade in III Sem. PGCSS Exam, October 2019
13	Andria Noronha	For securing highest grade point 4 with A grade in IV Sem. PGCSS Exam, May 2020
14	Annambika T. J.	For securing overall A grade in PGCSS Mathematics Exam, May 2020.
15	Mini Thomas	For securing overall A grade in PGCSS Mathematics Exam, May 2020.
16	Kiran Theresa Mathew	Best Outgoing Student March 2021
17	Kiran Theresa Mathew	For securing 100% marks in Mathematics in III Sem. CBCS B. Sc. Exam, October 2019
18	Kiran Theresa Mathew	For securing 100% marks in Mathematics in IV Sem. CBCS B. Sc. Exam, March 2020
19	Kiran Theresa Mathew	For securing 100% marks in Statistics in II Sem. CBCS B. Sc. Exam, May 2019



20	Kiran Theresa Mathew	For securing 100% marks in Statistics in III Sem. CBCS B. Sc. Exam, October 2019
21	Kiran Theresa Mathew	For securing 100% marks in Statistics in IV Sem. CBCS B. Sc. Exam, March 2020
22	Kiran Theresa Mathew	For securing highest grade point 8.95 with A+ grade in II Sem. CBCS B. Sc. Exam, May 2019
23	Kiran Theresa Mathew	For securing highest grade point 9.58 with S grade in III Sem. CBCS B. Sc. Exam, October 2019
24	Kiran Theresa Mathew	For securing highest grade point 9.05 with A+ grade in IV Sem. CBCS B. Sc. Exam, March 2020
25	Archana Pushpangadan	For representing the college and winning prizes in various inter-collegiate paper presentation competitions
26	Tinu V. Tom	For Securing S Grade in CBCS BSc Mathematics Exam, March 2020
27	Andria Noronha	For securing highest grade point 3.86 with A grade in II Sem. PGCS Exam, June 2019

## TEACHER'S CORNER

### RESEARCH PAPERS

- Liju Alex, G. Indulal, Some degree based topological indices of a generalised F sums of graphs, Electronic Journal of Mathematical Analysis and Applications(2021), 91-111
- Jeepamol P, Indulal G, Aparna L, The spectrum of the Anti-Gallai Graphs of some graphs, Indian Journal of Pure and Applied mathematics (Accepted in 2020) In Press
- Jinu Mary Jameson, Gopalapilla Indulal, On the normalized (distance) Laplacian spectrum of linear dependence graph of a finite-dimensional vector space, Discrete Math. Lett. 5 (2021) 49-55

### TEACHERS OF THE DEPARTMENT WHO SERVED AS RESOURCE PERSONS

Name of the teacher	Programme organized by/ Venue	Topic of Lecture
Dr. Indulal G	B. C. M. College, Kottayam; 08/08/2020	Distance Equienergetic Graphs
Dr. Indulal G.	St. Paul's College, Kalamassery; 26/08/2020	Applications of Mathematics
Dr. Indulal G.	Rajagiri School of Engineering and Technology; 30/09/2020	Spectral Graph Theory
Dr. Indulal G.	Mar Thoma College, Thiruvalla; 05/10/2020	Basics of Spectral Graph Theory
Dr. Indulal G.	S.V.R.N.S.S. College Vazhoor; 12/10/2020	Mathematics of Google Search
Dr. Indulal G.	Mar Thoma College, Thiruvalla; 17/10/2020	Rayleigh Quotient and some Characterisations
Dr. Indulal G.	IIT Kharagpur, West Bengal; 23/10/2020	Distance Equienergetic Graphs

Dr. Indulal G.	St. Peters College, Kolencherry; 13/11/2020	Mathematics in Practical Life
Kochuthresiamma Joseph	Mar Thoma College, Thiruvalla; 24/11/2020	Vedic Mathematics
Dr. Indulal G.	Rajagiri School of Engineering and Technology; 11/12/2020	Chairing a session on 'Number Theory & Discrete Mathematics'
Dr. Indulal G.	B. C. M. College, Kottayam; 22/12/2020	The Legacy of Srinivasa Ramanujan
Dr. Indulal G.	St. Mary's College, Thrissur; 30/12/2020	The Life & Mathematics of Srinivasa Ramanujan
Dr. Indulal G.	Christ College, Irinjalakkuda; 06/01/2021	Some Elementary Problems posed by Srinivasa Ramanujan
Dr. Jubin Antony	St. Berchmans College, Changanacherry; 4/2/2021, 11/2/2021	Introducing SPSS & Data Analysis using SPSS
Dr. Jubin Antony	Catholicate College Pathanamthitta on 26/4/2021, 3/5/2021	Add-on Course in Statistics

## CONFERENCE/WORKSHOPS /TRAINING ATTENDANCE

### KOCHUTHRESIAMMA JOSEPH

- Webinar: "Some Topics in Functional Analysis", 14/09/2020 organized by St. Aloysius College Edathua.
- Webinar : "Srinivasa Ramanujan: His Life & His Works 29/12/2020 organized by St. Aloysius College Edathua
- Webinar: "Applications of Graph. Theory in day to day life", 27/01/2021, organized by St. Aloysius College Edathua.
- Webinar : "Graph and Interconnection Network", 27/02/2021 organized by St. Aloysius College Edathua
- Webinar: "Kesterite Solar- Cell Basics and Design", 27/6/2020 organized by St. Aloysius College, Edathua.
- Successfully completed NPTEL Online Certification course on 'Real Analysis' during September - December 2020

### DR. INDULAL. G.

- Webinar : " Visualising Some Mathematical Concepts using Softwares", 28/10/2021 organized by St. Aloysius College Edathua.
- Webinar : " Complex Numbers & Quaternions", 20/11/2020 organized by St. Aloysius College Edathua.
- Webinar : " Stone Weierstrass Theorem", 26/03/2021 organized by St. Aloysius College Edathua.

### DR. MARY GEORGE

- Webinar: "Some Topics in Functional Analysis", 14/09/2020 organized by St. Aloysius College Edathua.
- Webinar : "Srinivasa Ramanujan: His Life & His Works 29/12/2020 organized by St. Aloysius College Edathua
- Webinar: "Applications of Graph. Theory in day to day life", 27/01/2021, organized by St. Aloysius College Edathua.
- Webinar : " Stone Weierstrass Theorem", 26/03/2021 organized by St. Aloysius College Edathua.

### JOGY JOSEPH

- Webinar : " Visualising Some Mathematical Concepts using Softwares", 28/10/2021 organized by St. Aloysius College Edathua.

- Webinar: "Srinivasa Ramanujan: His Life & His Works 29/12/2020 organized by St. Aloysius College Edathua
- Webinar: "Applications of Graph. Theory in day to day life", 27/01/2021, organized by St. Aloysius College Edathua.

## DEENA C SCARIA

- Coordinated a Ten day course titled "A Short Term Course in E-Teaching with Learning Management Systems" conducted by The All Kerala Private College Teachers Association in June 2020.
- Short term Faculty Development Programme on "Implementation of Information and Communication Technology in Teaching" organized by School of Legal Studies, CUSAT from July 18-24, 2020.
- Webinar: "Modelling the Invisible Mathematics" 25/07/2020 organized by St. Aloysius College Edathua
- One Week Online Short-Term Faculty Development Programme on "PEDAGOGICAL AND E-LEARNING TOOLS FOR TEACHING", organised by Sanatana Dharma College, from 04th -10th August 2020.
- FDP on "SAGEMATH" organized by Amal Jyothi College of Engineering, Kanjirappally from 10- 14 August 2020.
- Short term Faculty Development Programme on "Towards a Digital Era of Teaching and Learning " organized by UGC-HRDC, University of Kerala, Thiruvananthapuram from August 12-18, 2020.
- Webinar on 'Gender Bias and Gender Equality' organised by St. Aloysius College Edathua on 17/09/2020 and 18/09/2020.
- Successfully completed NPTEL Online Certification course on 'Real Analysis' during September - December 2020

## JJO JOY

- Faculty Development Program : " Managing Online Classes and Co- creating MOOCS 3.0", 25 July - 10 August 2020, Ramanujan College, University of Delhi.
- Webinar : " The Curious Case of Cyber Security", 22/08/2020 organized by St. Aloysius College Edathua.
- Webinar: "Some Topics in Functional Analysis", 14/09/2020 organized by St. Aloysius College Edathua.
- National Webinar : " Multisets: Theory and Applications to Data Mining, 17/09/2020 organized by St. Peter's College Kolencherry.
- Workshop: " Basics of Probability. Theory ", 21/12/2020 organized by Brainware University Kolkata.
- Webinar: "Applications of Graph. Theory in day to day life", 27/01/2021, organized by St. Aloysius College Edathua.
- Webinar : " Stone Weierstrass Theorem", 26/03/2021 organized by St. Aloysius College Edathua.
- Refresher Course : " Online. Refresher Course in Mathematics ", 16-30 March 2021 organized by Ramanujan College, University of Delhi.

## DR. JUBIN ANTONY

- Webinar: " Some Topics in Functional Analysis", 14/09/2020 organized by St. Aloysius College Edathua.
- Webinar : " Complex Numbers & Quaternions", 20/11/2020 organized by St. Aloysius College Edathua.
- Webinar: "Applications of Graph. Theory in day to day life", 27/01/2021, organized by St. Aloysius College Edathua.
- Webinar : " Graph and Interconnection Network", 27/02/2021 organized by St. Aloysius College Edathua.
- Faculty Development Programme : "Quantitative Methods for Data Analysis" organized by Teaching Learning Centre, Ramanujan College, University of Delhi from August 12 - 25, 2020.
- Refresher Course : "MOOCS and E-Content Development" organized by UGC - HRDC Pondicherry University from November 17- 30, 2020.

## RADIO TALK

- **Dr. Indulal G.** : On 'sasthram jayikkukathanne cheyyum' broadcasted through All India Radio on August 21, 2020 through the sasthralokam programme.
- **Dr. Indulal G.** : On 'Everiste Galois - ganithaththile nithyavismayam' broadcasted through All India Radio on October 23, 2020 through the sasthralokam programme.