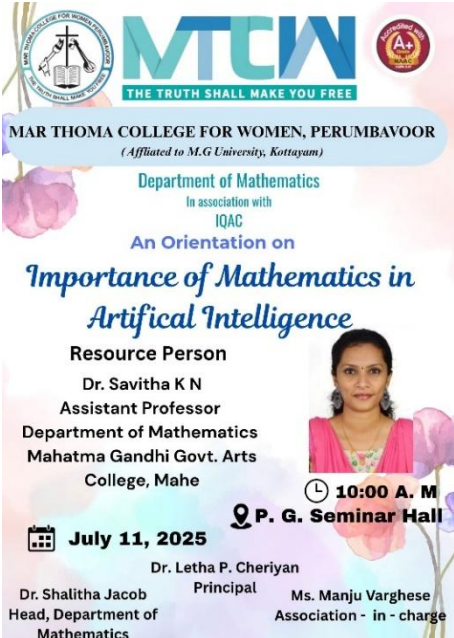


MATHEMATICS ASSOCIATION (CALCO-OHOLICS)

REPORT 2025-26

Academic Sessions

1. The Department of Mathematics, Mar Thoma College for Women, Perumbavoor, in association with IQAC, successfully organized an orientation programme titled “*Importance of Mathematics in Artificial Intelligence*” on 11 July 2025 at 10:00 a.m. in the P.G. Seminar Hall. The programme was inaugurated in the presence of the Principal, Dr. Letha P. Cheriyan. The resource person, Dr. Savitha K. N, Assistant Professor, Department of Mathematics, Mahatma Gandhi Government Arts College, Mahe, delivered an enlightening talk on the crucial role of mathematical concepts in the development and application of Artificial Intelligence. She highlighted how areas such as linear algebra, calculus, probability, and statistics form the foundation of machine learning and AI algorithms.



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MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR
(Affiliated to M.G University, Kottayam)

Department of Mathematics
In association with
IQAC

An Orientation on
*Importance of Mathematics in
Artificial Intelligence*

Resource Person
Dr. Savitha K N
Assistant Professor
Department of Mathematics
Mahatma Gandhi Govt. Arts
College, Mahe

10:00 A. M

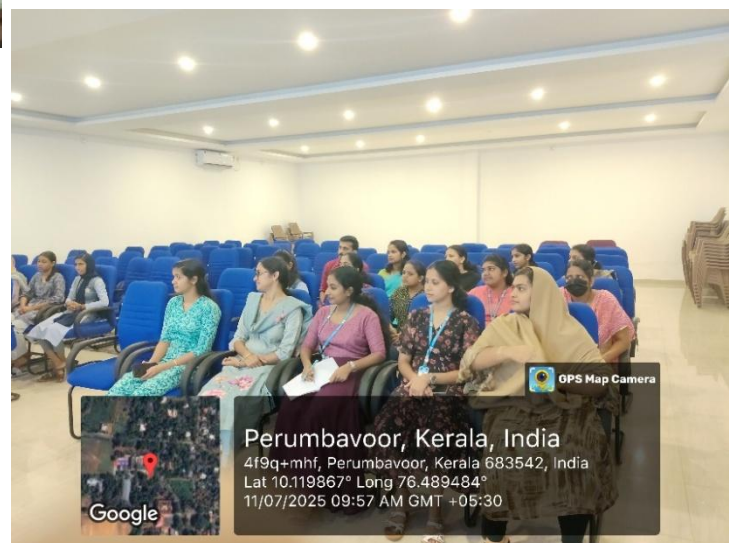
P. G. Seminar Hall

July 11, 2025

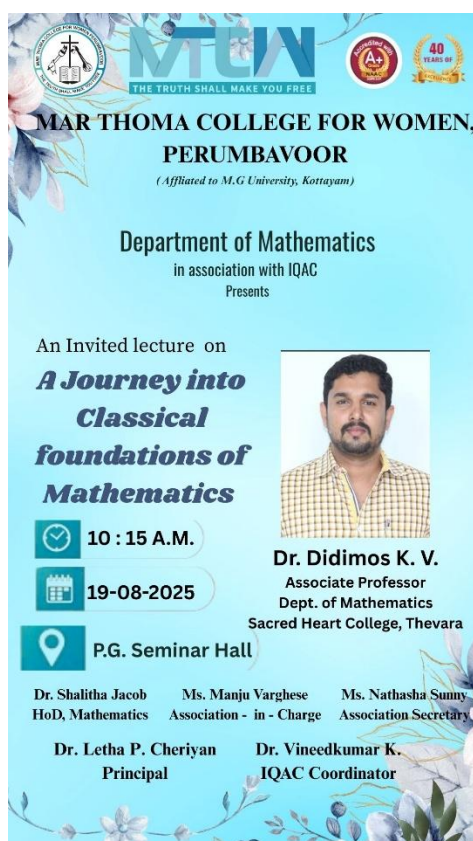
Dr. Letha P. Cheriyan
Principal

Dr. Shalitha Jacob
Head, Department of
Mathematics

Ms. Manju Varghese
Association - in - charge



- The Department of Mathematics, Mar Thoma College for Women, Perumbavoor, in association with IQAC, organized an invited lecture on “*A Journey into Classical Foundations of Mathematics*” on 19th August 2025 at 10:15 AM in the P.G. Seminar Hall. The session was conducted by the resource person, Dr. Didimos K. V., Associate Professor, Department of Mathematics, Sacred Heart College, Thevara. He reminded the audience that mathematics is not merely about problem-solving but about developing logical thinking, creativity, and appreciation for abstract beauty. He discussed fundamental concepts such as set theory and touched upon non-Euclidean sets, illustrating how mathematical thought has evolved beyond traditional boundaries. He also reflected on the features and beauty of mathematics, explaining how the subject connects rigor with imagination and how mathematical structures reveal patterns underlying the natural and abstract worlds. His lecture inspired students to view mathematics not just as a subject of study but as a way of thinking and exploring. The lecture set a strong academic tone for the year, instilling enthusiasm and a renewed sense of wonder toward mathematics among students.



MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR
(Affiliated to M.G. University, Kottayam)

Department of Mathematics
in association with IQAC
Presents

An Invited lecture on
A Journey into Classical foundations of Mathematics

10 : 15 A.M.
19-08-2025
P.G. Seminar Hall

Dr. Didimos K. V.
Associate Professor
Dept. of Mathematics
Sacred Heart College, Thevara

Dr. Shalitha Jacob HoD, Mathematics
Ms. Manju Varghese Association - in - Charge
Ms. Nathasha Sunny Association Secretary
Dr. Letha P. Cheriyan Principal
Dr. Vineedkumar K. IQAC Coordinator



Career Guidance

As part of Pi Day Celebrations, an invited talk on “*Beyond Research: Career Goals in India and Abroad*” was organized by the Department of Mathematics at the P.G. Seminar Hall on March 6, 2026. The session was delivered by Ms. Bisna Mary Eldo, a Graduate Student from the Department of Mathematics, University of Michigan, Ann Arbor. The session focused on career opportunities available for students beyond

traditional research pathways. The speaker provided valuable insights into various career options in both India and abroad, including higher studies, industry roles, interdisciplinary fields, and emerging job markets. She also discussed application procedures for international universities, scholarship opportunities, and the skills required to build a successful career globally.

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**MAR THOMA COLLEGE FOR WOMEN,
PERUMBAVOOR**
(Affiliated to M.G University, Kottayam)

As part of Pi Day
Department of Mathematics
in association with IQAC
Presents

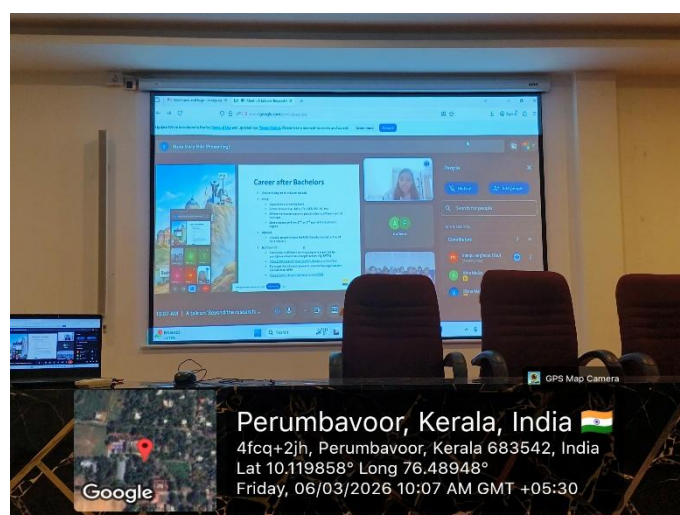
**A talk on 'Beyond the
research: Career goals in
India and Abroad'**

06-03-2026
10:00 AM
P.G Seminar Hall

Bisna Mary Eldo
Graduate Student
Department of Mathematics
University of Michigan,
Ann Arbor

meet.google.com/ume-pnza-zxq

Prof. (Dr.) Vinedkumar K. IQAC Coordinator
Prof. (Dr.) Letha P. Cherian Principal
Dr. Shalitha Jacob HoD, Mathematics
Ms. Manju Varghese Association - in - Charge
Ms. Nathasha Sunny Association Secretary



Co-curricular Activities

1. As part of Pythagorean Theorem Day 2025, the Department of Mathematics, in association with IQAC, organized a competition, 'Hypotenuse Hangout' on 23 July

2025. The event had participation from students from different Departments, with a total of 10 teams competing. Each team, comprising a maximum of two members, was presented with a set of ten mathematical questions to solve within the allotted time. The event aimed to enhance mathematical thinking, collaboration, and problem-solving skills among students. Results of the competition are:

First Prize : Aparna Chandran and Leedhia Jiji (II M.Sc Integrated Physics)

Second Prize : Anna Paulachan and Devika P. V (III B.Com Finance and Taxation)

All participants were awarded E-certificates, and the winners received prizes and E-certificates.

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MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR
(Affiliated to M.G University, Kottayam)

As Part of Pythagorean Theorem Day 2025
Department of Mathematics
in association with IQAC
Presents

Hypotenuse hangout

Instructions

- Each group can have a maximum of two members
- Multiple groups are allowed from the same Department
- A set of 10 questions will be given to each group and they are required to solve them
- E-certificates and prizes will be given to the winners

Room No: 219

01:00 P.M

23 - 07 - 2025

Dr. Shalitha Jacob
HoD, Mathematics

Ms. Manju Varghese
Association - in - Charge

Ms. Surya P. R.
Student Coordinator

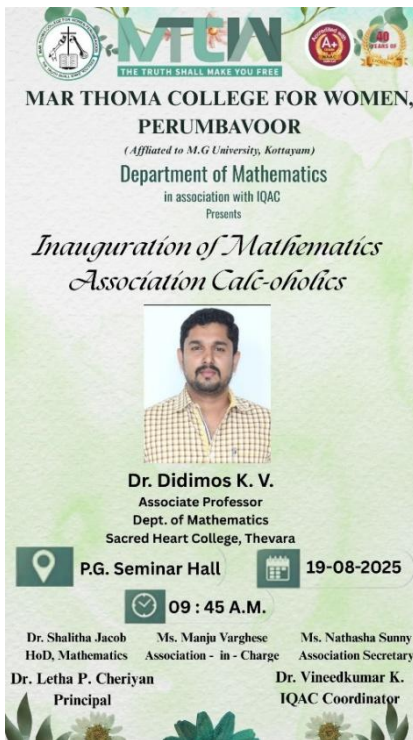
Dr. Vineedkumar K.
IQAC Coordinator

Dr. Letha P. Cheriyan
Principal

Sl.No	Team	Name	class	Email	signature
1	1	Sreeranjini Ranoh	BSc Chem II	sreeranjini.ramesh33@gmail.com	Srees
2	2	Aminna	"	amina.vc.532@gmail.com	Aminna
3	2	Meghana	B.Com 11 th	meghanarobertobob@gmail.com	Meghana
4	2	Amritha C.M	B.Com 11 th	amritha21@gmail.com	Amritha
5	3	Aparna Chandran	2 nd IP	aparnachandran321@gmail.com	Aparna
6	3	Leedhia Jiji	2 nd IP	leedhijiji@gmail.com	Leedhia
7	4	Gouthami Astok	3 rd B.Com F&T	gouthamiastok11@gmail.com	Gauthami
8	4	Anju Saji	"	"	Anju
9	5	Anna Paulachan	3 rd B.Com F&T	annapaulachan11@gmail.com	Anna Paulachan
10	5	Devika P.V	"	devikapv2005@gmail.com	Devika
11	6	Anna Joy	B.Sc Chemistry	annajoy321@gmail.com	Anna Joy
12	6	Esmaats	"	"	Esmaats
13	7	Lakshmi P.P.B	11 th B.Sc 2006099	lakshmiptb696@gmail.com	Lakshmi
14	7	Armaan Sajadeji	"	"	Armaan
15	8	Atiya Nausbad	"	atiyanousbad029@gmail.com	Atiya
16	8	Khadeeja PA	"	"	Khadeeja
17	9	Nimisha Krishnan	11 th B.Sc 2006099	"	Nimisha
18	9	Jenifer J	"	jenifer36@gmail.com	Jenifer
19	10	Sree Lakshmi V	III rd BA History	sreelax114@gmail.com	Sree Lakshmi
20	10	Mehrin P. Ashraf	"	mehrinpashraf@gmail.com	Mehrin




- The Department of Mathematics, Mar Thoma College for Women, Perumbavoor, in association with IQAC, organized the inauguration of the Mathematics Association *CALCO-OHOLICS* on 19th August 2025 at 9:45 AM in the P.G. Seminar Hall. The session was formally inaugurated by the chief guest and resource person, Dr. Didimos K. V., Associate Professor, Department of Mathematics, Sacred Heart College, Thevara. In his inaugural address, Dr. Didimos highlighted the importance of generating curiosity and sustained interest among students toward mathematics. He reminded the audience that mathematics is not merely about problem-solving but about developing logical thinking, creativity, and appreciation for abstract beauty. The inauguration and lecture together set a strong academic tone for the year, instilling enthusiasm and a renewed sense of wonder toward mathematics among students.



MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR
 (Affiliated to M.G University, Kottayam)
 Department of Mathematics
 in association with IQAC
 Presents

Inauguration of Mathematics Association Calco-oholics



Dr. Didimos K. V.
 Associate Professor
 Dept. of Mathematics
 Sacred Heart College, Thevara

P.G. Seminar Hall **19-08-2025**
09 : 45 A.M.

Dr. Shalitha Jacob Ms. Manju Varghese Ms. Nathasha Sunny
 HoD, Mathematics Association - in - Charge Association Secretary

Dr. Letha P. Cheriyan Dr. Vineedkumar K.
 Principal IQAC Coordinator



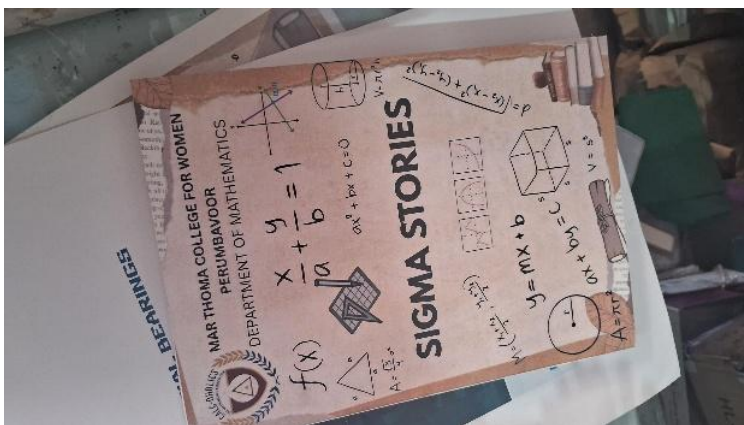
- MARTHOMEX 2K25, the Grand Exhibition conducted by the college from 26–30 November, was successfully organized. Our department presented two rooms in the exhibition. One room displayed various still models mainly related to Graph Theory, while the other was a ‘Murder Room’ themed presentation. Both exhibits received excellent reviews and appreciation from the visitors.



- As part of the National Mathematics Day celebrations, the Department of Mathematics, Mar Thoma College for Women, Perumbavoor organized *FIND X!*, a mathematics-based competition on 19th December 2025 and the winners were Anakhapriya P S, Gauthami Lal and Sreelakshmi Manoj of III B.Com FT.



- This year, our association also designed a manuscript magazine named 'Sigma Stories'. It provided an opportunity for the students to showcase their creativity and talents. Ms. Afnamol K. S. served as the editor of the magazine along with the support of the entire team. The manuscript magazine was released on 6 March, 2026.



Extra- Curricular Activities

1. Our Department actively participated in the Anti-Drug Week competitions conducted during the last week of June, 2025 and achieved notable success. The Inter-Department Mime Competition team from our department won First Prize. Ananya Anilkumar secured First Prize in English Poetry Writing and Third Prize in English Short Story Writing.



2. Students from our Department also actively participated in the celebrations of Onam, Christmas, Holi, and College Day, which the College Union organized. During the Christmas celebration, the Department won second prize in the Christmas Decorated Room Competition.





3. This year, students of our Department actively participated in the Arts Festival and won the Second Runner-Up trophy.



4. In the Annual Athletic Meet, students from our Department also actively participated and secured the First Runner-Up position.



Student welfare and and internal relations

1. During the academic year 2025–2026, the Department organized Freshers' Day on 25 August 2025 to welcome the first-year students. The first-year students interacted with the seniors, and everyone had a joyful time together. On the same day, the students planned a surprise for the teachers as part of the Teachers' Day celebration. The students presented gifts and showed a video for the teachers. The teachers shared their messages and expressed their gratitude to the students.



2. On the occasion of World Teachers' Day (5 October 2025), students from the department conveyed their wishes and presented cards to the teachers of the entire college.



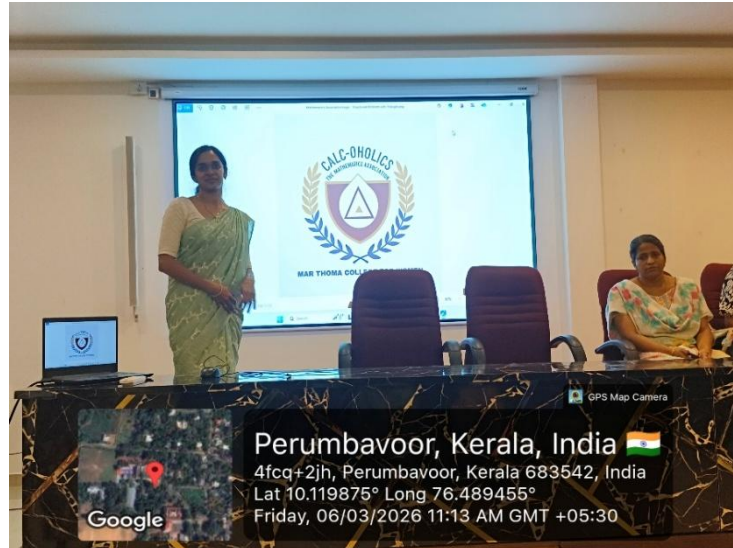
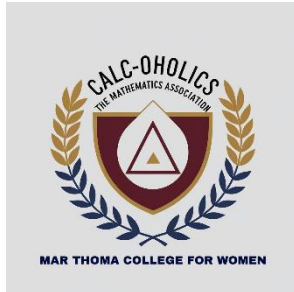
3. Also a one day stay program on 19 December 2025, was arranged for the students of the Department of Mathematics at the college with cultural activities.



4. A farewell party was organized for the 3rd B.Sc. Mathematics and 2nd M.Sc. Mathematics students on 27 February 2026, by the 1st M.Sc. Mathematics, 2nd B.Sc. Mathematics, and 1st B.Sc. Mathematics students. The program was conducted joyfully and memorably, making it a special occasion for all the students.



5. The Association Logo, which represents the identity and vision of our department, was released on 6 March 2026. The logo reflects the spirit of unity, knowledge, and academic excellence among the students and symbolizes the Department's commitment to learning and growth.



Outreach Programme

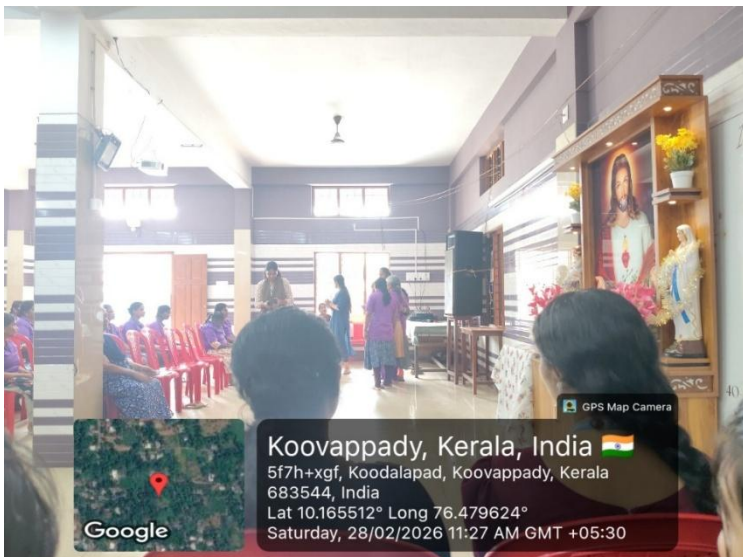
As part of the outreach programme organized by the Department of Mathematics, students and teachers visited Bethlehem Abhaya Bhavan, Koovappady on 28 February 2026 at 10:00 a.m till 12:30 p.m. The visit aimed to promote social responsibility and community engagement among students while extending support and interaction with

the inmates of the institution. During the programme, the participants spent meaningful time with the residents, engaging in friendly interactions and sharing moments of care and compassion.

The following students and teachers participated in the outreach programme:

1. Fathima Riswana Rafi – I B.Sc Mathematics
2. Shamila V A – I B.Sc Mathematics
3. Asna V A – I B.Sc Mathematics
4. Fathima Nazrin M Y – II B.Sc Mathematics
5. Archana P K – II B.Sc Mathematics
6. Nimisha Maria Prince – II B.Sc Mathematics
7. Ananya Anilkumar – III B.Sc Mathematics
8. Afna Salim P – III B.Sc Mathematics
9. Surya P R – III B.Sc Mathematics
10. Fathima Nahan – III B.Sc Mathematics
11. Nathasha Sunny – III B.Sc Mathematics
12. Risana Salam – I M.Sc Mathematics
13. Nasila K S – I M.Sc Mathematics
14. Abhirami R B – II M.Sc Mathematics
15. Akshaya Unni – II M.Sc Mathematics
16. Gayathri Ajith – Faculty
17. Manju Varghese – Faculty

The outreach visit was a meaningful and enriching experience for both students and teachers, fostering empathy, social awareness, and a spirit of service. The programme concluded successfully with positive feedback from all participants.





Entrepreneurial Skills

The Department of Mathematics organized a food fest “Pani Puri Plus (+)” on 16 and 17 December 2025, as part of its Departmental activities. The event was conducted with the objective of promoting student participation, teamwork, and fundraising through a fun and engaging initiative. The stall offered delicious pani puri along with additional snack items such as cutlets and puffs, making the event more attractive to visitors. All items were provided at an affordable price, with pani puri served at ₹20 per serving. The stall was managed by students under the guidance of faculty members, ensuring smooth coordination, hygiene, and efficient service throughout the event.



Participation

1. Afna Salim P of III B.Sc Mathematics participated in the Thasinm Memorial intercollegiate Seminar Presentation competition organized by the Department of Mathematics, U C College, Aluva, held on 27 September 2025.




Department of Mathematics Union Christian College, Aluva

(Autonomous)

CERTIFICATE

This is to certify that ~~Mr./Ms.~~ AFNA SALIM of
MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR
participated in ~~and secured First/ Second/ Third Prize~~ in the *Thasinm Memorial Intercollegiate Seminar Presentation Competition* organised by the Department of Mathematics, held on **27 September 2025**.


Mr. Kurian C Soman
Staff in charge


Mrs. Milly Mary Sleeba K
HOD


Dr. Mini Alice
Principal

2. Afna Salim P, Surya P R, Ananya Anilkumar and Basila Siyad of III B.Sc Mathematics participated in a two day workshop “The Analytical Edge: Problem Solving Workshop on Complex Analysis and Linear Algebra” organized by the post graduate Department of Mathematics, Al Ameen College, Edathala, held on 18 and 19 September 2025.

Post Graduate Department of Mathematics
Al Ameen College, Edathala-683564



Certificate of Participation

This is to certify that ~~Mr./Ms.~~ Afna Salim P of
Mar Thoma college for women, Perumbavoor has
participated in “The Analytical Edge: Problem Solving Workshop on Complex Analysis and Linear Algebra” organized by the Post Graduate Department of Mathematics, Al Ameen College, Edathala, Aluva held on 18th and 19th September 2025.


Dr. Vinitha T


Dr. Cini Kurian

Post Graduate Department of Mathematics

Al Ameen College, Edathala-683564



Certificate of Participation

This is to certify that ~~Mr./Ms. Suya.P.R.~~.....of
~~Mar. Thoma college for women, perumbavoor~~.....has
participated in "The Analytical Edge: Problem Solving Workshop on Complex
Analysis and Linear Algebra" organized by the Post Graduate Department of
Mathematics, Al Ameen College, Edathala, Aluva held on 18th and 19th September
2025.

Dr. Vinitha T

Head of the Department

Dr. Cini Kurian

Principal

Post Graduate Department of Mathematics

Al Ameen College, Edathala-683564



Certificate of Participation

This is to certify that ~~Mr./Ms. Suya.P.R.~~.....of
~~Mar. Thoma college for women, perumbavoor~~.....has
participated in "The Analytical Edge: Problem Solving Workshop on Complex
Analysis and Linear Algebra" organized by the Post Graduate Department of
Mathematics, Al Ameen College, Edathala, Aluva held on 18th and 19th September
2025.

Dr. Vinitha T

Head of the Department

Dr. Cini Kurian

Principal

Post Graduate Department of Mathematics

Al Ameen College, Edathala-683564



Certificate of Participation

This is to certify that *Mr./Ms. Ananya Anilkumar*.....of
Maan Thoma college for women, perumbavoor.....has
participated in “The Analytical Edge: Problem Solving Workshop on Complex
Analysis and Linear Algebra” organized by the Post Graduate Department of
Mathematics, Al Ameen College, Edathala, Aluva held on 18th and 19th September
2025.

Dr. Vinitha T

Head of the Department

Dr. Cini Kurian

Principal