



Principal's Message



It gives me immense pride and joy to present this edition of the MASA Newsletter 2024-25, a vibrant chronicle of the academic, cultural, and research pursuits of the Postgraduate Department of Mathematics at St.

Aloysius College, Edathua. Each page of this volume reflects the energy, creativity, and dedication of our faculty and students in fostering a dynamic learning environment.

The year under review has been remarkable, marked by a diverse range of academic initiatives, seminars, workshops, and outreach programmes. Events such as SPECTRA-25, ABSCISSA 2K25, and $INS\pi RE$ not only celebrated the beauty of mathematics but also inspired young minds to embrace the subject with curiosity and confidence. The induction of freshers, the launch of E-Ganitham and Mazhithandu, and the engaging colloquia sessions stand as testament to the department's commitment to holistic education and innovation.

Equally noteworthy is the department's dedication to research and scholarship. Faculty and students have continued to excel in national and international platforms, presenting papers, publishing research, and collaborating in advancing frontiers of knowledge. The achievements of our students in competitions and the institution of scholarships in memory of our founder HOD, Late Prof K I Abdul Lathif highlights the rich legacy of excellence and the spirit of continuity.

I extend my heartfelt appreciation to the editorial team guided by Dr Deena C Scaria, HOD, the faculty mentors, and above all, the students, whose tireless efforts have given life to this newsletter. Let this publication not only serve as a record of our accomplishments but also as an inspiration to aim higher, dream bigger, and work together for a brighter future.

This year has brought additional glory to the Department with the conferment of Ph.D. degrees on Dr. Deena C. Scaria, Head of the Department, and Dr. Jijo Joy, Assistant Professor. Their academic dedication and perseverance stand as a shining example for our students to emulate. I am also delighted to share the joyful news that our Department is on the verge of being recognized as a Research Centre in Mathematics, a milestone that will significantly benefit the wider academic community and open new avenues for scholarly pursuits.

May the spirit of mathematics continue to enlighten minds and empower generations.

With best wishes,
Prof. Dr. Indulal G
Principal



Dear Readers,
As we celebrate 46 remarkable years of our department's legacy, it brings us immense joy to unveil the latest edition of MASA. This publication reflects not only the academic strength of our department but also the collective efforts and spirit that drive our community forward.

Over the years, our department has grown into a hub of intellectual curiosity and innovation. Guided by a team of dedicated faculty, and fueled by the enthusiasm of our students, we have continued to explore new frontiers in mathematics. Each edition of MASA captures a glimpse of this dynamic journey - of learning, discovery, and transformation.

We thank everyone who has been a part of this inspiring voyage. Let this edition be both a celebration of the past and a spark for the future.

Warm wishes,
Dr. Deena C Scaria
Head, Department of Mathematics

From the Editor's Desk



Dear Readers,
It is with a deep sense of pride and joy that I present to you the latest edition of MASA, a publication that encapsulates the spirit, strength, and scholarly accomplishments of the Department of Mathematics during the academic year 2024-2025.

Each page of this volume reflects the heartbeat of our department - a space where questions are welcomed, ideas are nurtured, and curiosity leads the way. Whether through faculty-led research, student initiatives, or collaborative academic ventures, this year has once again reaffirmed our commitment to

excellence in mathematical education and inquiry.

What truly defines this edition is the synergy that fuels our success. It is the tireless dedication of our faculty, the enthusiasm of our students, and the support of our wider academic community that bring this publication to life. Their combined efforts have created a vibrant and inclusive environment where both tradition and innovation co-exist and complement each other.

As you delve into this edition, I hope you find inspiration in our journey - a journey marked by purpose, persistence, and passion. We thank you for being part of our story, and we look forward to many more chapters of shared learning and discovery.

Warm regards,
Dr. Deena C Scaria
Head, Department of Mathematics

MATHEMATICS ASSOCIATION

The Mathematics Association office bearers for the academic year 2024-2025 are as follows:

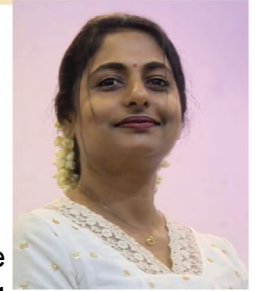
Dr. Jijo Joy, Association President

Ms. Aswathy R, Association Secretary, 3rd BSc Mathematics

Mr. Abhijith T S, Treasurer, 3rd BSc Mathematics

Congratulations

The Department of Mathematics proudly extends its warmest congratulations to Dr. Deena C. Scaria for the successful defense of her Ph.D. thesis entitled "A Study on the Spectrum and Spectral Related Parameters of Graphs", carried out under the able guidance of Prof. Dr. Indulal G., Principal of St. Aloysius College, Edathua, affiliated with Mahatma Gandhi University.



We also take immense pleasure in congratulating Dr. Jijo Joy on the successful defense of his Ph.D. thesis titled "Stochastic Modelling and Analysis of Discrete Time Perishable Inventory Systems with Positive Service Time", conducted under the guidance of Dr. K. P. Jose, St. Peter's College, Kolenchery, also affiliated with Mahatma Gandhi University.

These remarkable accomplishments stand as a testament to their dedication, perseverance, and scholarly excellence. Their contributions significantly enrich the field of research and bring immense pride and inspiration to the Department of Mathematics.

Honouring the Legacy of Prof. K. I. Abdul Lathif



On September 9, 2024, St. Aloysius College commemorated the remarkable contributions of Prof. K.I. Abdul Lathif, the founding head of the Mathematics Department, with a special memorial meeting. Prof. George C. Kattampallil, former Head of the Physics Department, delivered an inspiring lecture reflecting on Prof. Lathif's dedication, teaching excellence, and inspirational personality. The event was presided over by Principal Prof. Dr. Indulal G., who also announced the launch of a lecture series in his memory. Former faculty members, including Prof. James Sebastian, Prof. Mathew George, Prof. Rosamma Thomas, Prof. Nandakumar P.S., Prof. Jerome P.V., Prof. KochuThresiamma Joseph, and Prof. Jogy Joseph, shared heartfelt tributes. Prof. Lathif's son, Mr. Biju Alayil, pledged to sponsor the education of two financially disadvantaged students annually. The program began with a welcome address by Head of Department Dr. Deena C. Scaria and concluded with a vote of thanks by Dr. Jijo Joy, making the event a memorable tribute to a visionary educator.

Mathematics Association Inauguration



The Mathematics Association for the academic year 2024-2025 was ceremoniously inaugurated on October 25, 2024. The occasion was graced by Dr. Jijoy Joseph, Associate Professor of Mathematics at Government Polytechnic College, Nedumangad, who served as the chief guest and delivered an inspiring keynote address. The inaugural session was presided over by Dr. Jijo Joy, the Association President. Esteemed Principal Prof. Dr. Indulal G and Head of the Department Dr. Deena C Scaria addressed the gathering, sharing words of encouragement and vision for the academic year ahead. The event began with a warm welcome from Ms. Aswathy R, Association Secretary, setting the tone for a meaningful and engaging session. The formal proceedings concluded with a heartfelt vote of thanks delivered by Mr.

Abhijith T H, the Association Treasurer. The event marked the beginning of a promising year filled with academic enrichment and collaborative activities within the Mathematics Department.



Seminar on “The Power of Mathematics: Building a Career in a Data-Driven World”

As part of its inaugural events, the Mathematics Association organized a thought-provoking seminar on October 25, 2024, titled "The Power of Mathematics: Building a Career in a Data-Driven World." The session was led by Dr. Jijoy Joseph, Associate Professor of Mathematics at Government Polytechnic College, Nedumangad. Dr. Jijoy Joseph delivered an engaging and insightful presentation, shedding light on the

evolving role of mathematics in today's data-centric landscape and its immense potential in shaping modern careers. His talk emphasized how foundational mathematical thinking continues to drive innovation in fields such as data science, analytics, and artificial intelligence. The seminar witnessed enthusiastic participation from students across both undergraduate and postgraduate programs, sparking vibrant discussions and inspiring many to explore the intersections of mathematics and technology.

Freshers' Day Celebration

The Mathematics Association hosted a vibrant and memorable Welcome and Freshers' Day on October 25, 2024, to extend a heartfelt greeting to the newly admitted undergraduate and postgraduate students. The event was filled with joy and camaraderie as the senior students organized an exciting lineup of fun-filled activities, warm interactions, and engaging performances. The celebration concluded with a delicious treat, making the day a truly special and welcoming experience for the newcomers.



Inauguration of the Mathematics Quiz Club



The Department of Mathematics at St. Aloysius College, Edathua, inaugurated its Mathematics Quiz Club, creating an exciting platform for students to enhance their knowledge and analytical skills. The event was presided over by Principal Dr. Indulal G., with a welcome address by Staff Coordinator Mr. Hari Krishnan M.R., who emphasized the role of quiz-based learning in fostering curiosity and deeper understanding of mathematical concepts. Student coordinators Ms. Meenu Madhu (II PG Mathematics) and Mr. R. Yadhukrishnan (II DC Mathematics) outlined the club's vision, including regular quiz sessions, intercollegiate competitions, and collaborative learning initiatives. The successful inauguration set a strong foundation for future activities, inspiring students to actively engage in cultivating a culture of intellectual curiosity and academic excellence in mathematics.

Induction Programme for First-Year B.Sc. Mathematics (Honours) Students - 2024

The Department of Mathematics warmly welcomed the first-year B.Sc. Mathematics (Honours) students for the academic year 2024-2025 through a comprehensive induction programme held on July 4 and July 8, 2024. The two-day programme introduced students to the curriculum, academic expectations, and career opportunities in mathematics. Day one featured insightful sessions on the B.Sc. (Honours) programme by Dr. Jubin Antony, the significance of mathematics by Prof. Dr. Indulal G, and an introduction to mathematical computing by Dr. Jijo Joy, followed by an interactive Q&A. On the second day, Dr. Deena C. Scaria discussed career paths for mathematics graduates, while Sri Anu Souriar highlighted prospects in higher education and research. The programme concluded with a campus tour, familiarizing students with key facilities and fostering a sense of belonging. The induction successfully equipped the students with essential knowledge, guidance, and inspiration for their academic journey in the Department of Mathematics.



Release of the Department Newsletter 2023-2024



The Department of Mathematics marked a proud moment on September 9, 2024, with the official release of its annual newsletter for the academic year 2023-2024. The first copy was ceremoniously unveiled by Prof. George C. Kattampallil, Former Head of the Department of Physics, who graciously handed it over to Dr. Deena C. Scaria, Editor of MASA (Mathematics Students' Association). Rich with insightful articles, academic highlights, and notable student accomplishments, the newsletter reflects the vibrant intellectual culture of the department. It showcases the collaborative spirit, creativity, and

dedication of both faculty and students, serving as a proud chronicle of the year's achievements.

Launch of "E-Ganitham" Volume 2: A Celebration of Mathematical Curiosity



On September 9, 2024, the postgraduate students of the Department of Mathematics at St. Aloysius College, Edathua, proudly launched the second volume of their digital newsletter, E-Ganitham, titled "A Journey Through Mathematical Inventions." The event was a vibrant celebration of academic spirit and student initiative, bringing together faculty and students in a shared appreciation for mathematical exploration.

The newsletter was officially released by Prof. Rosamma Thomas, former Head of the Department of Mathematics, who applauded the students for their creativity, commitment, and scholarly efforts. She highlighted the importance of such platforms in nurturing intellectual engagement and fostering a culture of academic inquiry within the department. Prof. Dr. Indulal G., Principal of St. Aloysius College, also addressed the gathering, commending the students' proactive approach and encouraging them to continue striving for academic excellence.

Guided by Staff Advisor Dr. Deena C. Scaria and meticulously edited by Ms. Reena Philip, a second-year M.Sc. Mathematics student, E-Ganitham Volume 2 serves as a meaningful platform to share research insights, explore mathematical innovations, and celebrate the collective intellectual growth of the department.

DEPARTMENT MANUSCRIPT MAGAZINE



On March 19, 2025, the Department of Mathematics at St. Aloysius College, Edathua, proudly released its much-anticipated annual manuscript magazine, Mazhithandu. This creative compilation stands as a testament to the vibrant intellectual and artistic spirit of the department's students. The magazine was spearheaded by Ms. Ganga Mol G., the student editor, and brought to life by a committed

editorial team comprising Ms. Josmy Antony, Ms. Amritha V. Nair, Ms. Anitta Reji, and Ms. Gopika P. Under the guidance of Dr. Deena C. Scaria, staff editor and faculty mentor, the team curated a diverse collection of student contributions. From thought-provoking articles and engaging puzzles to imaginative illustrations and fascinating mathematical facts, Mazhithandu offered a platform for students to express their creativity and deep appreciation for mathematics. The magazine was officially unveiled by Dr. Santy Joseph, Vice Principal of St. Aloysius College, who praised the initiative as a reflection of the department's commitment to nurturing talent, encouraging academic exploration, and celebrating student achievement.

SPECTRA-25: A Celebration of Mathematical Spirit and Student Talent



The Postgraduate Department of Mathematics at St. Aloysius College, Edathua, hosted its flagship mathematics fest, SPECTRA-25, on January 16, 2025, from 9:30 AM to 3:30 PM. This much-anticipated event was specially curated for higher secondary students, providing them with a unique platform to experience the joy and beauty of mathematics beyond textbooks.

The fest witnessed the enthusiastic participation of 40 students, who engaged in a range of intellectually stimulating competitions. The events included Geometric Chart Presentation, Math Connection, Problematic

Relay, Puzzle Corner, and the creatively themed Math Mehendi. Each event was thoughtfully designed to challenge not only mathematical aptitude but also creativity, collaboration, and problem-solving skills.

The day began with a formal inaugural ceremony presided over by Prof. Dr. Indulal G., Principal of St. Aloysius College, who officially declared the fest open. In her welcome address, Dr. Deena C. Scaria, Head of the Department of Mathematics, warmly greeted the participants and guests, emphasizing the importance of such initiatives in nurturing mathematical curiosity at an early stage. The presidential address by Mr. Anu Souriar, Coordinator of Spectra-25, offered an inspiring message on the value of creative learning in mathematics.

Throughout the day, the atmosphere was vibrant and charged with excitement, as participants showcased their talents and competed in a spirit of healthy competition. The wide variety of events provided students with opportunities to express their mathematical skills through both analytical thinking and artistic creativity, making SPECTRA-25 a memorable and enriching experience that deepened their appreciation for the subject.

Irene Mary Mathew Memorial Mathematics Quiz Competition



On January 16, 2025, the Department of Mathematics at St. Aloysius College, Edathua, hosted the Kum. Irene Mary Mathew Memorial Mathematics Quiz Competition. The event brought together 37 participants from 10 schools, fostering a spirit of inquiry and healthy competition. Prof. Dr. Indulal G., Principal of the College, inaugurated the event and appreciated its role in promoting mathematical thinking among school students. Dr. Deena C. Scaria, Head of the Department, welcomed the gathering, highlighting the importance of such initiatives in nurturing a passion for mathematics. Dr. Jijo Joy, serving as Quiz Master, conducted engaging rounds that tested the students' knowledge and problem-solving skills. The event concluded with a prize distribution ceremony, where cash awards and certificates were presented to the winners by Dr. Indulal G. Special thanks were extended to Prof. KochuThresiamma Joseph, former Vice Principal and HoD, for generously sponsoring the cash prizes. The quiz was a meaningful tribute and an inspiring experience for all involved.



Mathematics Alumni Association Meeting - FOMSA

The Annual Alumni Meet of the Department of Mathematics, REKINDLE 2025, was held on February 8, 2025, at Fr. Punnappadom Hall, bringing together former students for a day of reconnection and reflection. The event was inaugurated by Prof. Dr. Indulal G., Principal of St. Aloysius College, who



emphasized the vital role of alumni in shaping the department's future. Sri. George Philip, President of the Former Mathematics Students Association (FOMSA), presided over the function. A special moment of the day was the felicitation of distinguished alumni Mrs. P. S. Sindhu

Kumari and Ms. Aneesa Asharaf for their professional achievements. Dr. Jubin Antony, Staff Coordinator, welcomed the gathering, while Prof. K. U. Zacharia and Dr. Deena C. Scaria, Head of the Department, delivered heartfelt felicitations. Former students also shared nostalgic memories, adding warmth and camaraderie to the occasion. The formal session concluded with a vote of thanks by Mrs. Pournami Gireeshkumar, FOMSA Secretary. The gathering was followed by a group photo session and a common lunch, further enhancing the spirit of togetherness.

The following were elected as FOMSA office bearers for the new term:

President: Sri. George Philip

Vice President: Ms. Aneesa Asharaf

Secretary: Mrs. Pournami Gireeshkumar

Treasurer: Sri. Varghese Antony

Mathematics Association Valedictory



The Mathematics Association Valedictory Function for the academic year 2024-2025 was held on March 19, 2025, at St. Aloysius College, Edathua, marking the culmination of a productive academic year. The event began with a welcome address by Ms. Aswathy R, followed by Dr. Jijo Joy, Association President, who presented a detailed report on the department's initiatives and achievements. Dr. Santy K.

Joseph, Vice Principal, delivered the keynote address, inspiring students to pursue excellence with dedication and resilience. Dr. Deena C. Scaria, Head of the Department, felicitated academically outstanding students with mementos in recognition of their achievements. A special moment of the day was the felicitation of Dr. Stefy K. Jose, Assistant Professor of Commerce, on receiving her Ph.D. from Mahatma Gandhi University. The function was a proud celebration of academic excellence and a reaffirmation of the department's commitment to student growth and success.

Farewell to the Final year students

The Postgraduate Department of Mathematics, St. Aloysius College, Edathua, hosted a warm and memorable Farewell Party on March 19, 2025, for the outgoing III DC and II PG students. Organized by their juniors, the event featured a grand lunch, fun activities, and heartfelt speeches. Seniors fondly recalled their campus memories, while faculty members offered words of encouragement and best wishes. The celebration was a touching blend of joy and nostalgia, highlighting the strong bonds within the department.



Extension Programmes

Parents' Meeting



The productive and transparent dialogues held during the parents' meeting fostered a deeper insight into students' academic progress and provided an opportunity for collaborative efforts in addressing any concerns or feedback raised by parents.

First Year BSc - 15th October 2024

Second Year BSc - 15th October 2024

Third Year BSc - 24th October 2024

First Year MSc - 18th October 2024

Second Year MSc - 18th October 2024

Azadi Day Celebrations at St. Mary's High School



The Department of Mathematics of St. Aloysius College, Edathua, actively participated in the Azadi Day (Independence Day) celebrations at St. Mary's Girls High School, Edathua, on August 13, 2024. The event engaged second-year degree students in a meaningful interaction with seventh-standard students through a series of patriotic



Certificate Course



During the academic year 2024-2025, the Department of Mathematics organized two certificate courses: "Basic Course in MATLAB", coordinated by Dr. Jijo Joy, and "Typesetting Using LaTeX", coordinated by Ms. Vidhya Vijayakumar.

Peer Teaching

To enhance teaching effectiveness and foster deeper subject comprehension, the Department of Mathematics actively implements peer instruction as a core classroom strategy. This method functions in two distinct formats: one facilitated by faculty members and the other led independently by students. Enthusiastic and dedicated students are encouraged to take on peer teaching roles, and they are provided with guidance and support to prepare effectively. Topics for these sessions are selected based on student interest and feedback from their peers, ensuring relevance, engagement, and collaborative learning within the classroom.

and educational activities.

The program featured a variety of enriching activities, including a quiz on India's history and culture, challenging puzzles, interactive games, creative flag-making, and picture identification of historical figures and landmarks. These activities were thoughtfully designed to foster critical thinking, teamwork, creativity, and a sense of patriotism among the participants.

The celebration was coordinated by II B.Sc. Students, under the guidance of Staff Coordinator Mr. Hari Krishnan M R and Student Coordinator Manju Madhu. The event successfully promoted educational engagement, community building, and skill development. The degree students actively exercised leadership and organizational abilities, while the younger students were inspired to develop a deeper appreciation for India's rich heritage.

This collaborative initiative stood out as a meaningful and memorable celebration, strengthening the bonds between the two institutions and inspiring the spirit of future joint activities in the service of education and national pride.

National Mathematics Day Celebration - Collaborative Event with Georgian Public School



The Department of Mathematics at St. Aloysius College, Edathua, actively participated in the National Mathematics Day celebration in collaboration with Georgian Public School and Junior College, Edathua, on December 17, 2024. The event brought together second-year degree students and eighth-grade students in an interactive learning environment, celebrating the legacy of the great mathematician Srinivasa Ramanujan. A series of engaging activities, including a Quiz Competition, Puzzles, Sudoku, and a special

Ramanujan Puzzle, provided participants with opportunities to enhance their problem-solving abilities, logical reasoning, and critical thinking skills. The event offered a valuable platform for mutual learning, where the students of St. Aloysius demonstrated leadership by organizing and facilitating the activities, while the younger students enthusiastically participated, showing great curiosity and enthusiasm.

The celebration was coordinated by II B.Sc. Students, under the guidance of Staff Coordinator Mr. Anu Souriar and Student Coordinator Sreeikutty Omanakuttan. It successfully blended education with fun, fostering collaboration and inspiring a deeper love for mathematics among all participants. The event stood out as a memorable and impactful experience, strengthening the connection between academic institutions and promoting a culture of interactive learning.

ONAM CELEBRATIONS



The Mathematics Department of St. Aloysius College, Edathua, celebrated Onam with great joy and enthusiasm on September 9, 2024, under the theme "Onnichoronam." The event included traditional Onam songs, a graceful Thiruvathira dance, and fun games that brought students and faculty





together in a spirit of unity and festivity. It concluded with a delicious Onam Sandhya, showcasing Kerala's rich culinary heritage. The celebration beautifully blended culture, tradition, and togetherness, leaving everyone with joyful memories.

Aswathy R of III B.Sc Mathematics and Manju Madhu of II B.Sc Mathematics from our department participated in the Malayali Manka competition. Manju Madhu won the first prize in the competition.



Keral Piravi Dinam Celebration



As part of the Keralapiravi celebrations on November 1, 2024, St. Aloysius College, Edathua, organized an interdepartmental online quiz to commemorate Kerala's formation day, with the Mathematics Department leading the event. Held from 1:15 to 1:30 pm, the quiz saw enthusiastic participation from various departments, creating a lively and competitive atmosphere. Guided by faculty coordinator Mr. Hari Krishnan M.R. and student coordinators Meenu Madhu and R. Yedukrishnan, the event successfully tested students' knowledge of Kerala's culture, history, and achievements. The Mathematics Department was praised for its efficient organization, making the quiz a meaningful contribution to the college's Keralapiravi celebrations.

Statistics Day Celebration



On July 5, 2024, St. Aloysius College, Edathua, celebrated National Statistics Day with great enthusiasm, organized by the Mathematics Department under the coordination of Dr. Jubin Antony. The event featured an engaging inter-departmental quiz competition, where students from various departments actively participated, showcasing their understanding of statistical concepts, analytical thinking, and problem-solving abilities. The quiz fostered a spirit of healthy competition, collaboration, and intellectual exchange among participants, highlighting the practical significance of statistics in both everyday life and academic pursuits. The event proved to be a successful and enriching experience, inspiring students to appreciate the vital role that statistics plays in research and informed decision-making.

The celebration was efficiently facilitated by Student Coordinator Anaswara Saju, III B.Sc., whose efforts contributed to the smooth execution and lively engagement of the program.



National Mathematics Day Celebration

As part of the National Mathematics Day celebrations, the Department of Mathematics at St. Aloysius College, Edathua organized a series of engaging activities to honor the legacy of the legendary mathematician Srinivasa Ramanujan. On December 16, 2024, the department conducted the Ramanujan Quiz Competition, an exciting inter-departmental contest coordinated by the First PG Students.

The competition attracted enthusiastic participation from 32 teams across various departments. It featured multiple rounds of elimination and advanced problem-solving challenges designed to rigorously test the participants' mathematical aptitude, logical reasoning, and quick thinking. The event successfully fostered a spirit of healthy competition, camaraderie, and intellectual curiosity among students, while also highlighting the profound and inspiring contributions of Ramanujan to the field of mathematics.

POSTGRADUATE STUDENTS SHINE AT DISTRICT LEVEL COMPETITIONS ON NATIONAL MATHEMATICS DAY



Postgraduate students from the Department of Mathematics, St. Aloysius College, Edathua, actively participated in the District Level Competitions held at St. Joseph's College for Women, Alappuzha, on December 17, 2024, as part of the National Mathematics Day celebrations organized by KSCSTE and St. Joseph's College for Women. In the Maths Mental Challenge, teams from I and II M.Sc Mathematics showcased their problem-solving skills, while the Idea Pitching event witnessed outstanding creativity and innovation. Notably, Arjun A. & Devika K.

L. secured the First Prize and were selected for the State Level Competition, while Swathi Suresh & Anjali Santhosh and Aathira S. & Reena Philip won the Second and Third Prizes, respectively. The remarkable achievements of our students highlighted their dedication and ability to apply mathematical concepts innovatively, bringing pride to the department and institution.

POSTGRADUATE COLLOQUIUM

The Department of Mathematics, St. Aloysius College, Edathua, has successfully conducted a series of Postgraduate Colloquia during 2024-2025, providing a vibrant platform for students to share knowledge, enhance presentation skills, and explore the interdisciplinary reach of mathematics. Each session brought unique insights, engaging discussions, and meaningful academic interactions.

The 9th Colloquium (July 2024) featured the theme Mathematical Puzzles and Recreational Mathematics, with Ms. Reena Philip delivering a captivating presentation that sparked curiosity and lively exchanges among participants. It highlighted the beauty of problem-solving and logical thinking in an enjoyable way.

In August 2024, the 10th Colloquium explored Applications of Mathematics in Sports. Ms. Meenu Madhu's presentation fascinated the audience by showing how mathematical principles influence sports strategies, performance analysis, and real-world applications, bridging academics with athletics.

The 11th Colloquium (October 2024) addressed the critical theme Mathematics in Disaster Management. Mr. Arjun A's insightful presentation illustrated how mathematical models can be powerful tools in predicting and managing disasters, emphasizing mathematics' role in addressing global challenges. Later, the 12th Colloquium (January 2025) turned to sustainability with Ms. Devika K.L.'s talk on Mathematics in Waste Management and Recycling, shedding light on its role in environmental solutions.

Finally, the 13th Colloquium (March 2025) brought creativity into focus with Ms. Gopika Dev G.P.'s engaging session on Mathematics in Dance. By connecting geometry, symmetry, and patterns with choreography, she showcased the surprising artistic side of mathematics, leaving the audience inspired.

Together, these colloquia not only deepened subject knowledge but also celebrated the versatility of mathematics in diverse fields. They enriched the department's academic environment, inspiring students



and faculty alike to view mathematics as a powerful tool that shapes science, society, and even art. Each colloquium began with insightful opening remarks by Prof. Dr. Indulal G, Principal of St. Aloysius College, who highlighted the significance of mathematics in various fields and its role in solving real-world problems. Under the coordination of Mr. Anu Souriar, the events were meticulously planned and executed, successfully promoting knowledge exchange, enhancing communication skills, and fostering an intellectually stimulating environment.

SHAKUNTALA DEVI DAY CELEBRATION



The Department of Mathematics at St. Aloysius College, Edathua, celebrated Shakuntala Devi Day with an inspiring PowerPoint presentation on November 4. Ms. Fathimathul Hind M., I M.Sc Mathematics student, presented the life and extraordinary achievements of Shakuntala Devi, focusing on her mental calculation skills and contributions to popularizing mathematics. Faculty and students actively participated in the session, engaging in discussions and reflecting

on her legacy. The event concluded with motivating words from faculty, encouraging students to embrace mathematical curiosity and innovation.

PI DAY CELEBRATIONS

The Department of Mathematics at St. Aloysius College, Edathua, celebrated Pi Approximation Day on July 22, 2024, with a range of engaging activities designed to highlight the significance of π in mathematics. The event commenced with a warm welcome speech by Ms. Gopika P, followed by an enlightening address by Principal Prof. Dr. Indulal G, who emphasized the importance and relevance of π in various fields of science and mathematics.

Students Anaswara Saju and Josmy Antony delivered informative talks covering the history of π and various methods used to approximate its value, enriching the audience's understanding of this mathematical constant. The event also featured an interdepartmental quiz competition and a logo



designing contest, both of which saw enthusiastic participation from students across departments. These activities promoted not only mathematical knowledge but also creativity, critical thinking, and teamwork.

Coordinated by Ms. Ganga Mol G, the celebration successfully fostered a deeper appreciation for mathematics and created a vibrant, collaborative atmosphere that inspired curiosity and intellectual engagement among participants. The event's prizes were generously sponsored by the SAC Alumni Association, M.Sc 2013-2015 Batch, reaffirming their lasting connection to the department and their commitment to supporting academic initiatives.

International Pi Day Celebrations - Intra-Departmental Quiz



The Department of Mathematics at St. Aloysius College, Edathua, celebrated International Pi Day on March 14, 2025, with an engaging intra-departmental quiz competition held in the Second B.Sc. Mathematics Classroom. Focused on Pi-related questions, problem-solving, and logical reasoning, the quiz attracted enthusiastic participation from students, creating a lively atmosphere of intellectual exchange and stimulating curiosity. The contest was expertly conducted by Mr. Harikrishnan, Faculty Coordinator, who guided the event with precision and enthusiasm.

Students showcased impressive analytical skills and quick thinking as they tackled challenging problems designed to test both their knowledge and reasoning ability. The winners of the competition were Jeena Jolly and Jintu Jolly (First Prize), R. Yadukrishnan and Manju Madhu (Second Prize), and a shared Third Prize awarded to Abhijith T.H. & Abhishek R., along with Josmy Antony & Amritha V. Nair.

The event concluded with a felicitation ceremony, celebrating the winners and participants alike, and successfully promoting mathematical curiosity along with a spirit of healthy competition. The prizes for the event were graciously sponsored by the SAC Alumni Association, M.Sc. 2015-2017 Batch, exemplifying their enduring connection to the department and their continued support in fostering academic excellence and student development.

TWO-DAY WORKSHOP ON ROBOTICS USING PYTHON



The Postgraduate Department of Mathematics, St. Aloysius College, Edathua, successfully organized a two-day workshop on Robotics Using Python for undergraduate and postgraduate mathematics students on 13th and 14th February 2025. The workshop featured expert resource persons, Dr. Harinarayanan Nampoothri M. G., Assistant Professor, Saint GITS College, Kottayam, and Mr. Jittu George Eapen, Designer and Robotics Engineer, who provided valuable insights and hands-on training.

The event was inaugurated by Principal Prof. Dr. Indulal G. at Fr. Punnappadom Hall, with a warm welcome address delivered by Dr. Jijo Joy, Mathematics Association President, and a vote of thanks by Ms. Aswathy R., Student Representative.

The workshop focused on practical, hands-on training sessions held in the computer lab, where students actively engaged in programming robotics using Python, enhancing their technical skills and problem-solving abilities in an interactive learning environment.

Organized under the financial support of the College Management in connection with the 60 Years Celebration of St. Aloysius College, the workshop successfully provided participants with an enriching experience, combining theoretical knowledge with practical application.

The expert guidance and interactive sessions empowered students to explore the exciting world of robotics, making the event a significant step towards fostering innovation and technical expertise in the field of mathematics.



WORKSHOP ON PROBLEM SOLVING AND PROGRAMMING WITH PYTHON

The Department of Mathematics at St. Aloysius College, Edathua, in association with the Department of Computer Applications, MACFAST Thiruvalla, organized a one-day workshop on Problem-Solving and Programming with Python on December 31, 2024. The workshop aimed to enhance the problem-solving abilities and Python programming skills of third-year B.Sc. Mathematics students, combining theory with hands-on coding exercises. It began with an inspiring address by Dr. Varghese K. Cherian, Principal of MACFAST, followed by expert



sessions led by Mr. Tiji Thomas, Head of Computer Applications at MACFAST. The event featured interactive coding tasks, group discussions, and practical problem-solving strategies, enabling students to apply their learning in real-time. The collaboration between the two institutions provided a valuable platform for academic growth, leaving students better equipped for future challenges.

Participation in Online Foundation Course in Higher Mathematics

Seven students from the III DC Mathematics program of the Department of Mathematics, St. Aloysius College, Edathua, actively participated in the Online Foundation Course in Higher Mathematics held from August 20 to 26, 2024. Organized by the Department of Mathematics, Bishop Moore College, Mavelikara, in collaboration with NSS College, Pandalam, WMO Arts and Science College, Wayanad, St. Joseph's College, Alappuzha, and St. Gregorios College, Kottarakara, the course aimed to cultivate mathematical aptitude and enhance higher mathematics skills. The program included interactive lectures, discussions, and problem-solving workshops on advanced mathematical concepts, fostering critical thinking and problem-solving abilities among the participants. This valuable experience significantly contributed to the students' academic growth and strengthened their interest and proficiency in mathematics.

Webinar on "LaTeX for Beginners"

The Kerala State Council for Science & Technology and Environment, in collaboration with the Srinivas Ramanujan Institute for Basic Sciences, conducted a two-day webinar titled "LaTeX for Beginners" for I and II M.Sc Mathematics students of St. Aloysius College, Edathua. The sessions introduced essential LaTeX skills, including document structuring, mathematical typesetting, and bibliography management with BibTeX, complemented by interactive demonstrations and hands-on exercises. Faculty members Ms. Vidhya Vijayakumar, Ms. Athira Murali, and Mr. Harikrishnan M.R. coordinated and supported the students, ensuring active participation and addressing queries throughout. The webinar provided a valuable platform to enhance academic writing and research documentation skills, emphasizing the role of LaTeX in professional and scholarly work.

Madhava Mathematics Competition

The Department of Mathematics, St. Aloysius College, Edathua, hosted the Madhava Mathematics Competition for undergraduate students on January 12, 2025, from 12:00 PM to 3:00 PM, organized by Bhaskaracharya Pratishthana, Pune. The event witnessed active participation from second-year and third-year B.Sc Mathematics students, with 18 registrations and 14 students appearing for the examination. Coordinated by Dr. Deena C. Scaria, Head of the Department, the competition provided an excellent platform for students to demonstrate their mathematical aptitude, problem-solving skills, and innovative thinking. The event proved to be an enriching experience, successfully fostering interest in mathematics and motivating students to further explore the subject's fascinating dimensions.

POSTGRADUATE STUDENTS PRESENT RESEARCH PAPERS AT INTERNATIONAL CONFERENCE

The Postgraduate Department of Mathematics, St. Aloysius College, Edathua, proudly announces the successful participation of our students in the International Conference on "Advances in Pure and Applied Mathematics," organized by St. Stephen's College, Pathanapuram, held on 21st February 2025.

Our II M.Sc Mathematics students showcased their research aptitude through insightful paper presentations that reflected both depth and innovation. The paper titled "The

Distance Seidel Spectrum of Some Graphs" was presented by Arjun A., Aathira S., and Meenu Madhu under the able guidance of Dr. Deena C. Scaria. Another significant contribution, "Existence and Approximate Controllability of Fractional Impulsive Integro-Differential Equations with State Dependent Delay via Fractional Operators", was presented by Swathi Suresh and Reshma R. Additionally, the research work on "Existence and Null Controllability of Semilinear Integro-Differential Systems" was presented by Anjali Santhosh, Devika K. L., and Reena Philip, under the mentorship of Sri Anu Souriar.

Their scholarly contributions not only enriched the intellectual discourse of the conference but also provided them with an excellent platform to interact with eminent scholars from various institutions, fostering academic exchange and collaboration. These accomplishments stand as a testament to the department's strong commitment to academic excellence and research innovation.



ST. ALOYSIUS COLLEGE, EDATHUA
DEPARTMENT OF MATHEMATICS

CONGRATULATIONS!

for presenting their research papers at the International Conference held at St. Stephen's College, Pathanapuram



ARJUN A
II M.Sc. Mathematics



MEENU MADHU
II M.Sc. Mathematics



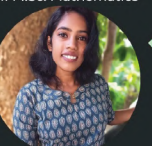
AATHIRA S
II M.Sc. Mathematics



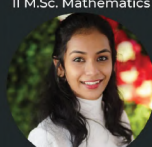
ANJALI SANTHOSH
II M.Sc. Mathematics



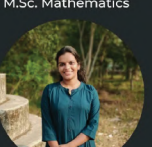
REENA PHILIP
II M.Sc. Mathematics



DEVIKA K L
II M.Sc. Mathematics



SWATHI SURESH
II M.Sc. Mathematics



RESHMA R
II M.Sc. Mathematics

PROF. DR. INDULAL G (PRINCIPAL)

DEENA C SCARIA (HOD)

The Department of Mathematics extends its heartfelt congratulations to all the participants and wishes them continued success in their future academic and research endeavors.

State-Level National Mathematics Day Competition Participation

Two students from the Department of Mathematics, St. Aloysius College, Edathua, Arjun A and Devika K L, participated in the State-Level National Mathematics Day (NMD) Idea Pitching Contest held on January 28, 2025, at Thunchan Memorial Government College, Tirur, organized by KSCSTE and DST, Government of India. Arjun A, a second-year M.Sc. student, presented an insightful talk on "Application of Mathematics in Epidemiology," highlighting the crucial role of mathematical models in understanding disease spread and aiding public health decisions. Their participation showcased critical thinking, innovative ideas, and mathematical expertise, earning appreciation from the judges and audience. The event successfully promoted research spirit and mathematical aptitude among students, making the institution proud.

Mathematical Exhibition "INS π RE"



The Department of Mathematics at St. Aloysius College, Edathua, organized the Mathematical Exhibition "INS π RE" on December 17, 2024, as part of the National Mathematical Celebrations. The exhibition was inaugurated by Dr. Santy Joseph, Vice Principal of the College, and was open to all students, providing a unique platform to explore the fascinating world of mathematics.

"INS π RE" featured a wide range of interactive models, puzzles, mathe-matical games, and real-life applications, effectively showcasing both the creative and practical dimensions of mathematics. The event witnessed enthusiastic participation from students who actively presented exhibits, explained mathematical concepts, and demonstrated applications, creating a vibrant and collaborative learning atmosphere.

Coordinated by the III B.Sc. Students and guided by Faculty Coordinator Ms. Vidhya Vijayakumar, the exhibition successfully inspired curiosity, critical thinking, and a deeper appreciation for mathematics among participants and visitors alike. The event stood out as a memorable and impactful celebration, reinforcing the importance of mathematics in everyday life and academic exploration.



ABSCISSA



The Postgraduate Department of Mathematics at St. Aloysius College, Edathua, successfully organized the grand Mathematics Fest ABSCISSA 2K25 on March 6, 2025, at Fr. Punnappadom Hall, celebrating the spirit of mathematical excellence through a diverse array of competitions and interactive activities. The event was inaugurated by Prof. Dr. Indulal G., Principal of the College, and featured an inspiring address by the chief guest Mr. Manoj Xavier, along with a presidential address by Dr. Jijo Joy.

ABSCISSA 2K25 offered a rich program of activities designed to challenge and engage participants, including paper presentations, quiz competitions, just-a-minute rounds, puzzles, a chess tournament, Rubik's Cube challenge, treasure hunt, and crossword puzzles. The fest witnessed enthusiastic participation from students across various departments, fostering a vibrant atmosphere of healthy competition, analytical thinking, and intellectual curiosity.

The event was proudly sponsored by the SAC Mathematics Alumni Association, M.Sc 1998-2000 Batch, whose support added great value to the celebration. ABSCISSA 2K25 stood out as a remarkable and inspiring event that deepened students' appreciation for mathematics and reinforced the culture of academic excellence and innovative thinking within the college community.

STUDY TOUR



The Department of Mathematics at St. Aloysius College, Edathua, organized two educational tours in 2025 to provide students with a blend of leisure, learning, and cultural exposure. The Third B.Sc. Mathematics students went on a tour from January 7 to January 12, visiting Malpe, Belur, Wayanad, and Mysore. The journey offered an enriching experience through historical sites, cultural landmarks, and scenic landscapes. Faculty members Ms. Vidhya Vijayakumar, Ms. Rani George, and Mr. Princemon Philip accompanied the students, ensuring smooth coordination and safety throughout the trip.

Following this, the First and Second M.Sc. Mathematics students embarked on a tour from February 6 to February 11, exploring Malpe, Coorg, and Wayanad. Under the guidance of Ms. Athira Murali and Mr. Lipson Lonappan, the students engaged in a well-planned itinerary that combined exploration of heritage locations and natural beauty. Both tours not only strengthened the students' academic outlook but also provided opportunities for bonding and creating lasting memories. The Department of Mathematics extended sincere gratitude to all faculty members and students for contributing to the success of these memorable educational journeys.



YORUM



The Post Graduate Department of Mathematics at St. Aloysius College, Edathua, successfully organized YORUM 2K25, a vibrant departmental arts festival, on March 12, 2025, in the III BSc Mathematics classroom. The event provided a platform for students to showcase their artistic talents through solo and group songs, duets, and solo dance performances. It began with a welcome address by Aswathy R, followed by inspiring words from Dr. Jijo Joy and a felicitation by Dr. Deena C. Scaria, Head of the Department, who encouraged students to balance creativity with academics. With enthusiastic participation, the festival fostered camaraderie and cultural appreciation, concluding with a vote of thanks by Abhijith T. H. YORUM 2K25 was a memorable celebration of talent, creativity, and teamwork, leaving a lasting impression on all attendees.

MATHSPARK

The fifth series of the MATHSPARK extension program was successfully held on October 29, 2024, at St. George's Higher Secondary School, Muttar, organized by the Postgraduate Students of the Department of Mathematics, St. Aloysius College, Edathua, and coordinated by Ms. Athira Murali. The event featured a variety of interactive activities including a Math Quiz, Rubik's Cube Challenge, Crossword Puzzles, Math Puzzles, and Math Games, all designed to spark interest in mathematics while enhancing problem-solving skills, logical reasoning, and creativity among higher secondary students. The enthusiastic participation from students, supported by faculty members Dr. Jijo Joy, Mr. Anu Souriar, and Ms. Vidhya Vijayakumar, created a vibrant and engaging learning environment. Feedback from participants highlighted the quiz and Rubik's Cube Challenge

as especially enjoyable and educational, making the event a memorable and impactful experience. Continuing this successful outreach, the sixth series of the MATHSPARK program was conducted on November 5, 2024, at Government Higher Secondary School, Veeyapuram. Organized by the postgraduate students and coordinated by Ms. Athira Murali, the event offered a similarly exciting range of activities including Math Quizzes, Rubik's Cube Challenges, Math-Themed Crossword Puzzles, Math Puzzles, and Math Games. The event witnessed active engagement from the students, who demonstrated great enthusiasm, teamwork, and analytical thinking throughout. With strong support from the faculty team including Dr. Jijo Joy, Mr. Anu Souriar, Mr. Harikrishnan M.R., and Ms. Vidhya Vijayakumar, the program was conducted smoothly and effectively.

The overwhelmingly positive feedback from participants underlined the success of the hands-on learning approach, which blended education and entertainment in an interactive manner. These efforts contributed significantly to promoting sustained interest in mathematics beyond the classroom. The program was generously sponsored by the SAC Alumni Association, M.Sc. 2017-2019 and M.Sc. 2018-2020 Batches, reflecting their ongoing commitment to empowering young learners and supporting academic outreach initiatives.



FOOD FEST 2024

The Postgraduate students of the Department of Mathematics, St. Aloysius College, Edathua, organized the Food Fest 2024 on October 30, 2024, at 11:00 AM in the College Cafeteria. The event was inaugurated by Prof. Dr. Indulal G., Principal of the College, who emphasized the importance of cultural

exchange through food as a means of fostering community spirit and unity.

The Food Fest featured a wide variety of delicious dishes, all thoughtfully prepared by the students, creating a vibrant and welcoming atmosphere that attracted enthusiastic participation from students, faculty, and staff. The event not only celebrated culinary talent but also provided an opportunity for interaction, cultural sharing, and togetherness within the college community.

Coordinated by the PG students of the Department, the Food Fest enjoyed an impressive turnout and received overwhelmingly positive feedback. It stood out as a joyful and successful celebration of diversity, talent, and camaraderie, strengthening the bonds among all participants and leaving lasting memories.



INVOLVEMENT IN COLLEGE ACTIVITIES

Student Positions and Responsibilities - Department of Mathematics

We are proud to announce the following student representatives who have been selected to serve in important roles for the academic year 2024 - 2025:

- Swathi Suresh (II M.Sc. Mathematics) - IQAC Student Representative
- Reena Philip (II M.Sc. Mathematics) - Student Coordinator, PG Fest (Izredna 2K25)
- Reena Philip (II M.Sc. Mathematics) - Student Representative, Grievance & Redressal Committee
- Saniga Devi C S (II DC Mathematics) - SC/ST Cell Student Representative
- Anjali Santhosh (II M.Sc. Mathematics) - College Union Election Grievance Cell Student Representative

We congratulate them on their well-deserved roles and wish them every success in their contributions towards academic and extracurricular excellence.

College Union Election

The College Union Election was held on 17th October 2023. The following were the class representatives.

- Ms. Saniga Devi C S - II BSc
- Ms. Aswathy R - III BSc

CHRISTMAS CELEBRATION



The Department of Mathematics celebrated CELESTA'24 on December 18, 2024, in the Third B.Sc. Mathematics Classroom, bringing together students and faculty in the festive spirit of Christmas. The event featured a welcome speech by Ms. Aswathy R., an inspiring message from HoD Dr. Deena C. Scaria, and a felicitation by Association President Dr. Jijo Joy.

Highlights included a ceremonial cake cutting, a vibrant Christmas Carol performance, and a joyful appearance of Santa Claus. Students also actively participated in the college-wide Christmas celebration, winning first prize in the Santa and Angel competition. CELESTA'24 was a memorable celebration of unity, creativity, and festive cheer within the department.

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STUDENTS OF THE OUTGOING MSC BATCH



STUDENTS OF THE OUTGOING BSC BATCH



STUDENT'S ACHIEVEMENTS (2024 -2025)

ALOYSIAN EXEMPLAR



Aloysian Exemplar is a distinguished annual competition designed to honor the top five graduating UG and PG students who demonstrate excellence in academics as well as extracurricular achievements. The competition involves five challenging stages, starting with around 35 enthusiastic participants in the preliminary round. After a series of assessments, 10 outstanding students were selected to advance to the final stage. Representing the Department of Mathematics, Ms. Josmy Antony successfully reached the final round, held on March 17, 2025, showcasing her remarkable talent, dedication, and all-around capabilities.

WOMEN'S DAY

The College celebrated Women's Day on March 16, 2025, under the auspices of the KSWDC - Women's Cell. As part of the program, Ms. Fathimathul Hind M., I M.Sc. Mathematics, was honored with the title "Mochathi." In addition, Ms. Anitta Reji of III B.Sc. Mathematics showcased the department's talent by participating in the "Ms. Aloysius Competition" and winning the award for Best Hairstyle.



PG FEST



The postgraduate students of the Department of Mathematics showcased their talent and enthusiasm at the 'Izredna' inter-departmental PG Fest held on March 5, 2025. Deviak K.L. and Arjun A., from the second-year M.Sc. Mathematics, secured second place in the PowerPoint presentation category, demonstrating both creativity and technical expertise.

In the performing arts, Ms. Gopika Dev G.P., also from the second-year M.Sc., won first prize in the spot dance competition, captivating the audience with her energy and expression. In literary events, Anjali Santhosh

achieved second place in English Story Writing, showcasing her narrative skill and originality. The first- and second-year M.Sc. students further excelled in group events, winning third prize in Group Dance and second prize in Tableau, reflecting excellent teamwork, coordination, and creativity. These remarkable accomplishments highlighted the students' multifaceted abilities and brought pride and recognition to the Department of Mathematics.

The fest was successfully coordinated by Reena Philip, II M.Sc. Mathematics, whose efforts ensured the smooth organization and execution of PG Fest Izredna 2K25.

PROF. K I ABDUL LATHIF MEMORIAL SCHOLARSHIP

The Department of Mathematics, St. Aloysius College, Edathua, awarded the Prof. K. I. Abdul Lathif Memorial Scholarship to two deserving students, Ms. Aneetta Mariam Jiji (I DC Honours Mathematics) and Ms. Manju Madhu (I IDC Mathematics). Instituted by the family of Prof. K. I. Abdul Lathif, the first Head of the Department, this scholarship -Rs.5000 each- was presented by the Principal, Prof. Dr. Indulal G., in the presence of faculty and students. The selection process, coordinated under the leadership of HOD Dr. Deena C. Scaria, was based on academic performance and financial need, ensuring fair support for students most deserving. This initiative not only extends financial aid but also inspires the department by highlighting the lasting impact of Prof. Abdul Lathif's commitment to education.



Best Outgoing Student Award



Ms. Josmy Antony of III B.Sc. Mathematics has been honored with the prestigious title of Best Outgoing Student, in recognition of her exemplary academic performance, leadership qualities, and all-round contributions to the college community.

Congratulations

Congratulations to the remarkable students of the Department of Mathematics at St. Aloysius College, Edathua, for their excellent results in the University Examinations! Your hard work, commitment, and determination have truly paid off, and we take immense pride in your achievements. Wishing you continued success as you shine brightly in the fascinating world of mathematics!



Proficiency Prize for Students

Sl. No.	Name of the Student	Prize
1	Anugraha Ajikumar	For achieving the highest marks in the First Semester FYUG Examinations.
2	Aneetta Mariam Jiji	For achieving the highest marks in the First Semester FYUG Examinations.
3	Anugraha Ajikumar	For achieving the highest marks in the Second Semester FYUG Examinations.
4	Aneetta Mariam Jiji	For achieving the highest marks in the Second Semester FYUG Examinations.
5	Aparna Pramod	For securing highest marks in Second Semester CBCS B.Sc. Examinations with grade point 6.86 – B+ Grade
6	Jeena Jolly	For securing highest marks in Third Semester CBCS B.Sc. Examinations with grade point 7.63 – A Grade
7	Jeena Jolly	For securing highest marks in Fourth Semester CBCS B.Sc. Examinations with grade point 8 – A Grade
8	Amritha V Nair	For securing highest marks in Fourth Semester CBCS B.Sc. Examinations with grade point 7.57 – A Grade
9	Josmy Antony	For securing highest marks in Fifth Semester CBCS B.Sc. Examinations with grade point 9.21 – A+ Grade
10	Gopika P	For securing highest marks in Sixth Semester CBCS B.Sc. Examinations with grade point 8.86 – A+ Grade
11	Swathi Suresh	For securing highest marks in Second Semester PGCSS M.Sc. Examinations with grade point 4.42 – A Grade
12	Anjali Santhosh	For securing highest marks in Third Semester PGCSS M.Sc. Examinations with grade point 4.45 – A Grade
13	Anjali Santhosh	For securing highest marks in Fourth Semester PGCSS M.Sc. Examinations with grade point 4.14 – A Grade
14	Josmy Antony	Best Outgoing Student

Honouring Excellence: Mathematics Department Scholarships and Endowments 2024 - 2025

It is with immense pride and joy that we highlight the exceptional achievements of our students who have been distinguished with scholarships and endowments this year. Their unwavering dedication and academic prowess have set an inspiring example for all. Join us in celebrating their remarkable accomplishments and recognizing their hard-earned success.

Congratulations to the following awardees:

Sl. No.	Name of the Scholarship	Winner	Prize Amount
1	PTA proficiency Prize - M.Sc. Mathematics	Preethi Kuamri P	500/-
2	PTA proficiency Prize - B.Sc. Mathematics	Krishnapriya K	500/-
3	Sibilal Memorial Scholarship – Highest Marks for B.Sc. Mathematics	Krishnapriya K	500/-
4	Prof. Abdul Lathif Scholarship – Highest Marks in M.Sc. Mathematics	Preethi Kuamri P	500/-
5	Prof. Rosamma Luke Endowment – Meritorious Student in B.Sc. Mathematics	Krishnapriya K	1000/-
6	Prof. K. U. Zacharia Endowment – Highest Marks in M.Sc. Mathematics (Semester I &II)	Swathi Suresh	800/-
7	Prof. Rosamma Thomas Endowment (The best student who is financially backward at the entry level of B.Sc. Mathematics)	Anugraha Ajikumar	1000/-
		Aneetta Mariam Jiji	1000/-
8	Prof. Joy Joseph Endowment – Highest Marks in Statistics (Sub) of B.Sc. Mathematics	Gopika P	800/-
9	Prof. Aniamma Peter Endowment - Highest marks in B.Sc. Mathematics	Krishnapriya K	1500/-
10	Proficiency prize B. Sc. Mathematics instituted by 1982-85 B.Sc. Mathematics Batch- Best Outgoing student based on overall performance	Krishnapriya K	4000/-
11	E V George Memorial Endowment – Outstanding Graduate in M.Sc. Mathematics	Preethi Kuamri P	2500
12	E V George Memorial Endowment – Outstanding Graduate in B.Sc. Mathematics	Krishnapriya K	1500
13	Prof. Ancy Peter Endowment (The best student who is financially backward at the entry level of M.Sc. Mathematics)	Fathimathul Hind M	500
		Gopika S	500
14	Proficiency Prize M. Sc. Mathematics Instituted by Prof. Jogy Joseph in memory of his sister Jancy George	Preethi Kuamri P	1500

FACULTY CORNER

Research Papers

Prof.(Dr.) Indulal G

1. Liju Alex, G. Indulal, John Joy, On the inverse Problem of some bond additive indices, Communications in Combinatorics and optimization, 2024, pp. 1-15
2. Liju Alex, G. Indulal, On some extremal results and bounds of additively weighted edge Mostar index, Iranian Journal of Mathematical Chemistry, Vol. 16, No. 1, 2025, pp. 51-64
3. Liju Alex, G. Indulal, Joyamol T baby. A Note on the additively weighted mostar index of graphs, Iranian Journal of Mathematical Chemistry, Vol. 16, No. 2, 2025, pp. 155-170
4. Liju Alex, G. Indulal , Forgotten index of F^* sums of graphs, Cret.math.Inform, Vol.24, No, 1, 2025, pp. 1-10
5. John Joy Mulloor, Liju Alex, Deena C Scaria, G. Indulal, Some Graph Parameters of Indu-Bala Product of Graphs, Journal of Hyper structures, Journal of Hyperstructures, Vol. 14, No. 1, 2025, pp. 57-67
6. Deena C Scaria, John Joy Mulloor, Liju Alex, G. Indulal, A Note on Some Graph Parameters & Graph Operations, Open Journal of Discrete Applied Mathematics, Open Journal of Discrete Applied Mathematics, 2025
7. Deena C Scaria, G. Indulal, The Distance Seidel Spectra of the Graph Obtained by Subdividing the edges of a Hamiltonian Cycle in K_p , Proceedings of International Conference on Mathematical Challenges and Novel Applications.2024, pp. 16 – 21
8. Jharna Kalita, Somnath Paul, Indulal G, Deena C Scaria, A note on the maximum A_- -spectral radius of some classes of graphs, Communications in Combinatorics and Optimization,2025, pp. 1- 9

Dr. Deena C Scaria

1. John Joy Mulloor, Liju Alex, Deena C Scaria, G. Indulal, Some Graph Parameters of Indu-Bala Product of Graphs, Journal of Hyper structures, Journal of Hyperstructures, Vol. 14, No. 1, 2025, pp. 57-67
2. Deena C Scaria, John Joy Mulloor, Liju Alex, G. Indulal, A Note on Some Graph Parameters & Graph Operations, Open Journal of Discrete Applied Mathematics, 2025

3. Deena C Scaria, G. Indulal, The Distance Seidel Spectra of the Graph Obtained by Subdividing the edges of a Hamiltonian Cycle in K_p , Proceedings of International Conference on Mathematical Challenges and Novel Applications, 2024, pp: 16 – 21
4. Jharna Kalita, Somnath Paul, Indulal G, Deena C Scaria, A note on the maximum A_- -spectral radius of some classes of graphs, Communications in Combinatorics and Optimization, 2025, pp. 1- 9

Dr. Jijo Joy

1. K. P. Jose, Jijo Joy and Anilkumar M. P., A Stochastic Approach for optimizing a Discrete Time Perishable Inventory System with Modified N-Policy, Communications in Computer and Information Science CCIS. (Press)
2. Jijo Joy, K. P. Jose, Analysis of a Discrete-Time Perishable Inventory Model with Positive Service Under Modified N-Policy, Proceedings of 23rd International Conference named after A. F. Terpugov Information Technologies and Mathematical Modelling, Oct 2024

Conference/Workshops Presentation

Prof Dr. Indulal G

1. Delivered an invited talk on 'Elegance of Mathematics' at Mar Athanasius College, Kothamangalam on 19.8.24
2. Delivered an invited talk on 'Mathematics-The silent architect of modern world' in the inaugural session of the foundation course in mathematics for higher secondary students at Bishop Moore College, Mavelikkara on 20.8.2024
3. Delivered an invited talk on 'Spectral Characterisation of Graphs' in the International Conference on Graph Theory and its Applications - ICGTA 2024 at Christ Autonomous College, Irinjalakkuda on 5.10.2024.

Dr. Deena C Scaria

1. Presented a paper entitled "Complementary Distance Seidel Spectrum of Complement of Line Graphs of Regular Graphs" in the National Conference on Graph Theory and Allied Topics (NCGTAT 2024) organized by Department of Studies in Mathematics, University of Mysore during 23 October - 24 October, 2024.

Dr. Jijo Joy

1. Presented a paper titled " Analysis of a Discrete Time Perishable Inventory Model with Positive Service Under Modified N-Policy", Information Technologies and Mathematical Modelling ITMM 2024, National Research Tomsk State University, Karshi, Uzbekistan, 20-26 October 2024.

CONFERENCE/WORKSHOPS /TRAINING ATTENDANCE

Dr. Deena C Scaria

1. Participated in the Faculty Development Programme on *NEP 2020 Orientation & Sensitization Programme (MM-TTP)* of University Grants Commission (UGC) organized by UGC - MMTTC, University of Kerala, Kariavattom, Thiruvananthapuram from 18-11-2024 to 28-11-2024.
2. Participated in the Online Refresher Course on *Graph Theory & Cryptography* organized by the MMTTC at IIIT Kancheepuram, Chennai from 19-03-2025 to 31-03-2025.
3. Participated in the Online Faculty Development Programme on *Empowering Educators: Exploring Teachers' Training Courses* organised by Internal Quality Assurance Cell, Mar Thoma College, Tiruvalla on February 27, 2025.

Dr.Jubin Antony

1. Participated in the FDP on *NEP 2020 Orientation & Sensitisation Programme* from 17-07-2024 to 29 - 07- 2024.
2. Participated in the *Outcome based education and application of generative AI in teaching and research* from 17 - 10 - 24 to 24- 10- 2024.

Athira Murali

1. Participated in the FDP on *Visionary Instructional Strategies and Teaching Approaches across Business, Computing and Mathematical Sciences* organized by the Department of Computational Science & Humanities, IIIT Kottayam from 16-12-2024 to 20-12-2024.
2. Participated in the Online Faculty Development Programme on *Empowering Educators: Exploring Teachers' Training Courses* organised by Internal Quality Assurance Cell, Mar Thoma College, Tiruvalla on February 27, 2025.
3. Participated in the Online Refresher Course on *Graph Theory & Cryptography* organized by the MMTTC at IIIT Kancheepuram, Chennai from 19-03-2025 to 31-03-2025.

Vidhya Vijayakumar

1. Participated in the FDP on *Visionary Instructional Strategies and Teaching Approaches across Business, Computing and Mathematical Sciences* organized by the Department of Computational Science & Humanities, IIIT Kottayam from 16-12-2024 to 20-12-2024.

2. Participated in the Online Faculty Development Programme on *Empowering Educators: Exploring Teachers' Training Courses* organised by Internal Quality Assurance Cell, Mar Thoma College, Tiruvalla on February 27, 2025.
3. Participated in the Online Refresher Course on *Graph Theory & Cryptography* organized by the MMTTC at IIIT Kancheepuram, Chennai from 19-03-2025 to 31-03-2025.

Harikrishnan M R

1. Participated in the Question Bank preparation of the First Semester MGU – UGP Honours (Mathematics) of Mahatma Gandhi University 2024 – 25
2. Participated in the FDP on *Visionary Instructional Strategies and Teaching Approaches across Business, Computing and Mathematical Sciences* organized by the Department of Computational Science & Humanities, IIIT Kottayam from 16-12-2024 to 20-12-2024.
3. Participated in the Online Refresher Course on *Graph Theory & Cryptography* organized by the MMTTC at IIIT Kancheepuram, Chennai from 19-03-2025 to 31-03-2025.
4. Participated in the Online Faculty Development Programme on *Empowering Educators: Exploring Teachers' Training Courses* organised by Internal Quality Assurance Cell, Mar Thoma College, Tiruvalla on February 27, 2025.

Anu Souriar

1. Participated in the Question Bank preparation of the Second Semester MGU – UGP Honours (Mathematics) of Mahatma Gandhi University 2024 - 25
2. Participated in the Online Refresher Course on *Graph Theory & Cryptography* organized by the MMTTC at IIIT Kancheepuram, Chennai from 19-03-2025 to 31-03-2025.
3. Participated in the Online Faculty Development Programme on *Empowering Educators: Exploring Teachers' Training Courses* organised by Internal Quality Assurance Cell, Mar Thoma College, Tiruvalla on February 27, 2025.