



St Thomas College, Kozhencherry

Re-accredited by NAAC with A++ Grade in Fourth Cycle (CGPA 3.67/4) ◆ ISO 21001:2018 & 9001:2015 Certified

Affiliated to Mahatma Gandhi University, Kottayam www.stthomascollege.info

Kozhencherry P.O., Kerala State, Pincode: 689641 Phone: +91-9497445575, 0468-2214566

Established in 1953

◆ Managed by the Malankara Mar Thoma Syrian Church ◆ principal@stthomascollege.info ◆

Faculty Profile

Mr Ligin P Mathew

Assistant Professor

Department of Mathematics

Mobile No. +91 9744145378

✉ liginpmathew@stthomascollege.info



Personal Details

Date of Birth	04.08.1990
Nationality	Indian
Marital Status	Married
Permanent Address	Parappattu House, Thonnamala P.O.: 689668, Pathanamthitta, Kerala, India.

Higher Education

2011 – 2013	M.Sc. Mathematics, University of Hyderabad, Telangana.
2008 – 2011	B.Sc. Mathematics, SB College, Changanacherry, Kottayam.

Professional Position

01 June 2016 to Present	Assistant Professor, Department of Mathematics, St Thomas College, Kozhencherry
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Teaching Experience

2016 – 2026	Undergraduate students
	Postgraduate students

Courses Taught

M.Sc.	Linear Algebra
	Complex Analysis
	Advanced Complex Analysis
	Functional Analysis
	Spectral Theory

Courses Taught (continued)

B.Sc.	<ul style="list-style-type: none">Foundation of MathematicsAnalytic Geometry, Trigonometry and Differential CalculusCalculusEnvironmental Mathematics and Human RightsComplex AnalysisApplicable MathematicsPartial Differentiation, Matrices, Trigonometry and Numerical MethodsIntegral Calculus and Differential EquationsVector Calculus, Analytic Geometry and Abstract AlgebraFourier Series, Laplace Transform and Complex Analysis
B.Sc. Honours	<ul style="list-style-type: none">Mathematics for Competitive ExaminationsBuilding Blocks for Higher MathematicsMatrix Algebra and Number TheoryDocument Preparation using \LaTeX

Professional Service Rendered

AY 2025 – '26	<ul style="list-style-type: none">Coordinator, Blended Learning and Technological Innovation CommitteeMember, MGU-UGP (Hons.) Academic CommitteeSecretary, Board of Directors, St Thomas College Co-operative StoreMember, Admission Committee.Member, Committee for Election to the Students Union
AY 2024 – '25	<ul style="list-style-type: none">Coordinator, Blended Learning and Technological Innovation CommitteeMember, MGU-UGP (Hons.) Academic CommitteeSecretary, Board of Directors, St Thomas College Co-operative StoreMember, Committee for Election to the Students Union
AY 2023 – '24	<ul style="list-style-type: none">Member, Staff Council. (Elected)(Upto 22 November 2023)Member, IQACReturning Officer, Election to the Students UnionSecretary, Board of Directors, St Thomas College Co-operative StoreStaff Advisor, Students Union, 2023-'24 AY
AY 2022 – '23	<ul style="list-style-type: none">Coordinator, Centralized Data RepositoryNodal Officer, Digicol Implementation Committee(Moodle LMS)Coordinator, Library Infrastructure and Automation CommitteeCoordinator, Social Media and P.R. CellMember, Staff Council. (Elected)Member, IQACMember, Admission Committee.Member, Best Arts.

Professional Service Rendered (continued)

	Member, E-Learning and Blended Learning Committee
	Member, Hostel Committee
	Member, IT and Network Infrastructure Development Committee
	Member, Committee for Election to the Students Union
AY 2021 – '22	Coordinator, Centralized Data Repository
	Nodal Officer, Digicol Implementation Committee(Moodle LMS)
	Coordinator, Library Infrastructure and Automation Committee
	Coordinator, Network Infrastructure Development Committee
	Member, Staff Council. (Elected)
	Member, Admission Committee.
	Member, Best Arts
	Member, E-Learning and Blended Learning Committee
	Member, Hostel Committee
	Member, Committee for Election to the Students Union
AY 2020 – '21	Coordinator, Cell for Transgender Persons' Welfare.
	Coordinator, Empowerment Cell for Differently Aabled.
	Coordinator, Library Automation Committee.
	Coordinator, Network Infrastructure Development Committee.
	Member, Staff Council. (Elected)
	Member, Admission Committee.
	Member, Committee for Pay Revision.
	Member, Hostel Committee.
	Member, Discipline Committee.
	Member, Committee for Online Education Repository.
	Member, Online Classes Committee.
AY 2019 – '20	Coordinator, Internal Examinations.
	Coordinator, Flair.
	Member, Admission Committee.
	Member, Grievance Redressal Cell.
	Member, Hostel Committee.
	Member, Committee for Reports of the College.
	President, Mathematics Association.
AY 2018 – '19	Magazine Advisor, College Union.
	Coordinator, Flair.
	Member, Admission Committee.
	Member, Committee for Internal Examinations.
	Member, PTA Executive. (Elected)
	Member, Library Committee
AY 2017 – '18	Member, Admission Committee.
	Member, Committee for Internal Examinations.

Other Important Responsibilities/Positions Held

- Convenor, IT Sub-Committee, Mahatma Gandhi University Undergraduate Programmes (Honours) Implementation, Mahatma Gandhi University, Kottayam.
- Member, Scrutiny & Vetting of FYUGP Syllabus Monitoring Committee, Mahatma Gandhi University, Kottayam.
- Special Invitee, Academic Core Committee, Centre for Distance and Online Education(CDOE), Mahatma Gandhi University, Kottayam.
- Special Invitee, Academic Core Committee and Academic Partner Assessment Committee, Directorate of Applied Short Term Programmes(DASP), Mahatma Gandhi University, Kottayam.
- Master Trainer, Mukhamukham, Mahatma Gandhi University Undergraduate Programmes (Honours), Mahatma Gandhi University, Kottayam.
- Chief Examiner in the Board of Examiners for the III Semester UG Mathematics Examination March 2022, St Berchmans College, Changanacherry.
- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of Vth Semester UG CBCS Mathematics Core Course. (During 2019-2020)
- Chief Examiner in the Board of Examiners for the IV Semester UG Mathematics Examination March - April 2019, St Berchmans College, Changanacherry.
- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of IVth Semester UG CBCS Mathematics Core Course. (During 2018-2019)
- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of IInd Semester UG CBCS Mathematics Complimentary Course. (During 2018-2019)
- Member in the Board of Examiners for the IV Semester UG Mathematics Examination March - April 2018, St Berchmans College, Changanacherry.
- Held charge of the MG University UG CBCS Question Bank (MG University Third Semester CBCS Exams, Oct/Nov 2018) Preparation Centre at St. Thomas College, Kozhencherry.

Social Responsibilities Held

- Presiding Officer, General Election to KLA-2026 (112 Ranni LAC), April 2026.
- Presiding Officer, Lok Sabha Election (114 Konni LAC), April 2024.
- Counting Supervisor, Lok Sabha Election(17 Pathanamthitta), April 2024.
- Counting Supervisor, General Election to Kerala Legislative Assembly (LAC 113), April 2021.
- Presiding Officer, Panchayath Election (22— Cherukol/4— Elanthoor/3— Pathanamthitta), December 2020.
- Presiding Officer, Lok Sabha Election (114 Konni LAC), April 2019.
- Presiding Officer, Lok Sabha Bye Election (114 Konni LAC), October 2019.



Awards and Achievements

- December 2024 ■ A Letter of Appreciation was received from the Controller of Examinations, Mahatma Gandhi University, Kottayam, expressing sincere appreciation for the invaluable contributions to the software-related activities of the MGU UG Honours programmes.
- December 2014 ■ Junior Research Fellowship(JRF) in Mathematical Sciences under CSIR Fellowship Scheme.




Awards and Achievements (continued)

2011 – 2013  BBL Fellowship for M.Sc., by University of Hyderabad, Telangana.



Research Experience

-  **Research Scholar (Part-time)**, Department of Mathematics, St Thomas College, Palai , affiliated to Mahatma Gandhi University Kottayam. (1st January 2019- Ongoing)
Guide: Dr. Lovelymol Sebastian, Head & Associate Professor(Rtd.), MES College, Nedumkandam, Idukki.
Topic: Theory and Applications of Integral Equations: A Fuzzy Approach.
Area: Fuzzy Integral Equations.
-  **Junior Research Fellow**, June 2015- May 2016, Department of Mathematics, IISER Trivandrum.




Areas of Specialization and Interest

-  **Fuzzy Set Theory**
-  **Complex Analysis**
-  **Linear Algebra**




Research Publications

-  Ligin P. Mathew, Lovelymol Sebastian, Baiju Thankachan. (2024). **Some Operations on Trapezoidal Single Valued Neutrosophic Fuzzy Numbers**. International Journal of Neutrosophic Science, 23 (3), 29-43 (Doi : <https://doi.org/10.54216/IJNS.230303>)
-  Mathew, L. P., & Sebastian, L. (2023, June). **An introduction to single valued neutrosophic fuzzy numbers, trapezoidal single valued neutrosophic fuzzy numbers and triangular single valued neutrosophic fuzzy numbers**. In American Institute of Physics Conference Series (Vol. 2875, No. 1, p. 040003).









Paper Presentations

-  **Some Operations on Triangular Single Valued Neutrosophic Fuzzy Numbers**, Three Day International Conference on Advancement of Mathematical Sciences and Computer Vision(Annual Conference of Calcutta Mathematical Society), Kolkatta, 09-11 December, 2023. (Co-authored with Dr. Lovelymol Sebastian.)
-  **An introduction to Single Valued Neutrosophic Fuzzy Numbers, Trapezoidal Single Valued Neutrosophic Fuzzy Numbers and Triangular Single Valued Neutrosophic Fuzzy Numbers**, 2nd International Conference on Computational Sciences - Modelling, Computing and Soft Computing (CSMCS-2022), Department of Mathematics of Manipal Institute of Technology, Manipal, India, March 28 - 30, 2022. (Co-authored with Dr. Lovelymol Sebastian.)
-  **A Study on Marginalized Groups Inclusiveness at Undergraduate Level in Selected Higher Educational Institutions in India: Mathematical Modelling Using Single Valued Neutrosophic Fuzzy Sets**, Two day International Conference on "Recent Development and Techniques in Pure and Applied Mathematics" (ICRDTPAM-2023), School of Mathematics, Alagappa University, Karaikudi, India, March 23 - 24, 2023. (Co-authored with Dr. Lovelymol Sebastian.)


Faculty Development Programmes Attended

- 07 – 13 November, 2022  Online One-Week Faculty Development Programme on “Academic Administration”, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education - Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- 11 – 25 May, 2021  Online Two - Week Inter-Disciplinary Refresher Course/Faculty Development Programme on “Managing Online Classes & Co-creating MOOCS 5.0”, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education - Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- 12.11.2019–02.12.2019  UGC Sponsored 107th Orientation Programme(Batch I) at UGC HRDC, Bharathidasan University, Tiruchirappalli, Tamil Nadu

Recent Seminars/ Conferences/ Workshops Attended

- 20 - 21 November, 2023  Workshop on K-REAP by KSHEC, at CUSAT
- 18 October, 2023  Workshop on Implementation of Four Year Undergraduate Programme (FYUGP) by KSHEC, at IMG, Vikas Bhavan, Trivandrum.
- 23 - 24 March, 2023  Two-day International Conference on "Recent Development and Techniques in Pure and Applied Mathematics" (ICRDTPAM-2023), School of Mathematics, Alagappa University, Karaikudi, India.
- 28 - 30 March, 2022  2nd International Conference on Computational Sciences - Modelling, Computing and Soft Computing (CSMCS-2022), Department of Mathematics of Manipal Institute of Technology, Manipal, India.
- 5 December, 2020  Webinar on “Topology of Riemann Surfaces”, organized by Research and PG Department of Mathematics, Maharaja’s College, Ernakulam.
- 12 September, 2020  International Conference (Online) on Nature Inspired Dynamical Systems-2020, organized by Department of Mathematics, Gujarat University, Ahmedabad.
- 15 – 16 May 2019  National Seminar on ‘Computer Methods on Applied Mathematics and Engineering (CMAME-2019)’, organized by Department of Mathematics, National Institute of Technology, Calicut twinning with Government Engineering College, Bharatpur and Supported by TEQIP -III.
- 16 January 2017  One day Cluster Workshop on ‘Latest Methods and Strategies in Mentoring’ jointly organized by Department of Collegiate Education, Government of Kerala and Catholicate College, Pathanamthitta.
- 15 – 16 December, 2016  Workshop on \LaTeX and MOODLE organized by the Department of Mathematics, Baby John Memorial Government College Chavara.
- 24 – 25 October 2016  Capacity Building Residential Workshop for Coordinators of Scholar Support Programme in Government/ Aided Colleges held at Loyola College of Social Sciences, Sreekariyam, Trivandrum.

Recent Seminar/Conferences/Workshops Organized

-  Coordinator, National Seminar (Online Mode) on Differential Equations: Analysis and Applications, organized by the Post Graduate Department of Mathematics, St Thomas College, Kozhencherry, and sponsored by the Kerala State Higher Education Council and Mahatma Gandhi University, Kottayam, in association with the Internal Quality Assurance Cell, on 18 December 2021.

Recent Seminar/Conferences/Workshops Organized (continued)

- Coordinator, Career Guidance Workshop for Differently Abled Students, organized by Empowerment Cell for Differently Abled, in association with Internal Quality Assurance Cell (IQAC), on 26th March 2021.
- Coordinator, Webinar on Sexual Orientation and Gender Identity (SOGI) Inclusive Education, organized by Cell for Transgender Persons' Welfare, in association with Internal Quality Assurance Cell (IQAC), on 18 March 2021.
- Coordinator, Two Day Workshop on Typesetting In \LaTeX , organized by the Post Graduate Department of Mathematics, St Thomas College, Kozhencherry, and supported by Kerala State Council for Science, Technology and Environment and DST, Govt. of India, on 3rd and 4th August 2018.

Invited Talks

- Resource Person, Orientation Programme for Question Bank Preparation for MGU-UGP (Honours), SMBS Communication Lab, MG University Kottayam, on 25.03.2025.
- Resource Person, Orientation Programme for Question Bank Preparation for MGU-UGP (Honours), DASP Online Education Centre, MG University Kottayam, on 21.01.2025, 23.01.2025, and 28.01.2025.
- Resource Person, Orientation Programme for FYUGP Practical Board Chairmen, Senate Hall, MG University Kottayam, on 29.11.2024.
- Resource Person, Expert Committee Meeting for the preparation of the First Semester Question Bank - FYUGP(MGU-UGP), Senate Hall, MG University Kottayam, on 27.09.2024.
- Resource Person, Orientation Programme for first year U.G students, organized by P.G and Research Department of Mathematics, Catholicate College, Pathanamthitta, on 22.08.2024.
- Resource Person, Invited Talk, Mukhamukham - MGU-UGP (Honours) Orientation Programme in Collaboration with MG University Kottayam, at Ettumanoorappan College, Ettumanoor, on 20 April 2024.
- Resource Person, Invited Talk, Mukhamukham - MGU-UGP (Honours) Orientation Programme in Collaboration with MG University Kottayam, at Ayyappa Institute of Management Studies, Peermade, Idukki, on 23 April 2024.
- Resource Person, Invited Talk, Orientation Programme on MGU-UGP Honours for Higher Secondary School Teachers, at Morning Star Home Science College, Angamali, on 30 April 2024.
- Resource Person, Invited Talk, Mukhamukham - MGU-UGP (Honours) Orientation Programme in Collaboration with MG University Kottayam, by Government College, Elanthoor, at Pathanamthitta, on 03 May 2024.
- Resource Person, Invited Talk, Orientation Programme on MGU-UGP Honours for Higher Secondary School Teachers, in Collaboration with DCDC, MG University Kottayam, at Sree Sankara College, Kalady on 7 May 2024.
- Resource Person, Invited Talk, Mukhamukham - MGU-UGP (Honours) Orientation Programme in Collaboration with MG University Kottayam, at Morning Star Home Science College, Angamali, on 7 May 2024.
- Resource Person, Invited Talk, Workshop for Faculty on MGU-UGP (HONOURS): Opportunities & Flexibility for Excellence, at Marthoma College, Thiruvalla, on 8 May 2024.
- Resource Person, Seminar, Some Digital Tools: Unlocking Productivity and Creativity, at St Aloysius College, Edathua, on 11 October 2023.
- Resource Person, Invited Talk on the topic 'Proceeding with Math', organized by the Department of Mathematics, Marian College, Kuttikkanam, on 21 October 2022.
- Resource Person, Winter School in Mathematics for Undergraduates, Department of Mathematics, SB College, Changanacherry, 26-30 December 2019.

Invited Talks (continued)

- Resource Person, Seminar on “Google Docs, Google Sheets, Google Forms and Google Sites” organized by IQAC, St Thomas College, Kozhencherry, on 7 November 2019.
- Resource Person, Workshop on Restructuring of Curriculum/Syllabus of Postgraduate Programme in Environmental Studies of Mahatma Gandhi University Kottayam (PG CSS 2019) held at MG University, Kottayam on 24 January 2019.
- Resource Person, Workshop on Restructuring of Curriculum/Syllabus of Postgraduate Programme in Cyber Forensics of Mahatma Gandhi University Kottayam (PG CSS 2019) held at MG University, Kottayam on 23 January 2019.
- Resource Person, Workshop on Restructuring of Curriculum/Syllabus of Postgraduate Programme in Mathematics of Mahatma Gandhi University Kottayam (PG CSS 2019) held at CMS College, Kottayam on 18 January 2019.
- Resource Person, Workshop on Restructuring of Curriculum/Syllabus of Postgraduate Programme in Zoology of Mahatma Gandhi University Kottayam (PG CSS 2019) held at Baselius College, Kottayam on 16 January 2019.
- Resource Person, Workshop on Restructuring of Curriculum/Syllabus of Postgraduate Programme in Psychology of Mahatma Gandhi University Kottayam (PG CSS 2019) held at UC College, Aluva on 15 January 2019.
- Resource Person, Workshop on Restructuring of Curriculum/Syllabus of Postgraduate Programme in Bioscience of Mahatma Gandhi University Kottayam (PG CSS 2019) held at MACFAST, Thiruvalla on 11 January 2019.

Skills

Languages Known	■ Malayalam, English, Hindi
Coding	■ \LaTeX , Python
Office Suites	■ Google Docs Editors, Microsoft 365
LMS	■ Moodle, Google Classroom
Online Form Builders	■ Cognito Forms, Google Forms
Graphic Design	■ Canva, Adobe Photoshop
Video Recording and Live Streaming	■ OBS Studio
Video Editing	■ OpenShot Video Editor