



# St Thomas College, Kozhencherry

Established in 1953 | Reaccredited by NAAC with Grade A | ISO 9001:2015 Certified | ISO 21001:2018 Certified

Affiliated to Mahatma Gandhi University, Kottayam

[www.stthomascollege.info](http://www.stthomascollege.info)

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

## Faculty Profile

### Ms Priya Mathews

Assistant Professor

Department of Mathematics

Mobile No. +91 94957 29265

✉ [priyamathews@stthomascollege.info](mailto:priyamathews@stthomascollege.info)



## Personal Details

Date of Birth	09.04.1991
Nationality	Indian
Marital Status	Married
Permanent Address	Parappattu House, Family Residential Complex, Paala Nilkkunna Padi, Cherukol PO: 689650, Kozhencherry, Pathanamthitta, Kerala, India.

## Higher Education

2011 – 2013	<b>M.Sc Mathematics</b> , St Thomas College Kozhencherry Affiliated to Mahatma Gandhi University, Kottayam, Kerala.
2008 – 2011	<b>B.Sc Mathematics</b> , St Thomas College Kozhencherry Affiliated to Mahatma Gandhi University, Kottayam, Kerala.

## Professional Position

01 June 2016 to present	<b>Assistant Professor, Department of Mathematics, St Thomas College, Kozhencherry</b>
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## Teaching Experience

2016 – 2023	<b>Undergraduate students</b>
2017 – 2023	<b>Postgraduate students</b>

## Courses Taught

M.Sc	<b>Real Analysis</b>
	<b>Measure &amp; Intergration</b>
	<b>Analytic Number Theory</b>
B.Sc	<b>Partial Differentiation, Matrices, Trigonometry and Numerical Methods</b>

## Courses Taught (continued)

- Foundation of Mathematics
- Applicable Mathematics (Open Course)
- Mathematical Analysis
- Vector Calculus, Analytic Geometry and Abstract Algebra

## Professional Service Rendered

- AY 2022-'23
- Coordinator of Ladies Hostel Committee.
  - Secretary of Women Cell (2021-2022)
  - Member of NIRF Committee.
  - Coordinator of Internal Mark Verification & Documentation Committee.
  - Member of Digicol Implementation Committee.
  - Member of E-learning & Blended learning Committee.
  - Member of Media & Film Club.
- AY 2021-'22
- Coordinator of Ladies Hostel Committee.
  - Secretary of Women Cell (2021-2022)
  - Member of NIRF Committee.
  - Coordinator of Internal Mark Verification & Documentation Committee.
  - Member of Digicol Implementation Committee.
  - Member of Anti-Ragging Cell
  - Member of Anti-Ragging Cell
- AY 2020-'21
- Coordinator of Massive Open Online Committee (MOOC).
  - Single Point of Contact (SPOC) of ST Thomas College Kozhencherry-Swayam Local Chapter (LC Id:4262).
  - Coordinator of Ladies Hostel Committee.
  - Member of Reception and Accommodation Committee.
  - Member of 7th Criteria (Institutional Values & Best Practices, NAAC) Committee.
  - Treasurer of Women Cell (2020-2021)
  - Member of Counselling & Orientation Committee.
  - Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of Fifth Semester UG (CBCS) Examination.
  - Committee Member of Parent Teacher Association.
- AY 2019-'20
- Treasurer of Women Cell (2019-2020).
  - Member of Counselling & Orientation Committee
  - Member of Ladies Hostel Committee.
  - Coordinator of national seminar on " Functional Analysis & Wavelet Theory" organized by Department of Mathematics, St Thomas College, Kozhencherry in association with Mahatma Gandhi University, Kottayam.

## Professional Service Rendered (continued)

- AY 2018-'19
- Member of Counselling & Orientation Committee.
  - Member of Best Arts Committee.
  - Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of Second Semester UG (CBCS) Examination.
  - Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of Fourth Semester UG (CBCS) Examination.
- AY 2017-'18
- President, Mathematics Association.
  - Member of Counselling & Orientation Committee.
  - Member of Best Arts Committee

## Other Important Responsibilities/Positions Held

- Member of the Board of Examiners(Chief Examiner) for the 5th semester UG(Maths) March-2022, St Berchmans College, Changanasserry,
- Member of the Board of Examiners(Chief Examiner) for the 4th semester UG(Maths) March-2022, St Berchmans College, Changanasserry,
- Member of the Board of Examiners(Chief Examiner) for the 1st semester UG(Maths) November-2018, St Berchmans College, Changanasserry,
- Member of the Board of Examiners(Chief Examiner) for the 2nd semester UG(Maths) November-2018, St Berchmans College, Changanasserry,

## Social Responsibilities Held

- Presiding Officer, Panchayath Election, November 2020

## Awards and Achievements

- January 2023
- 3rd best paper award for the paper entitled "NIFS and its Application in Medical Diagnosis" under technical track "Intelligent Optimization" presented at AOTA-2023 held during 21st-22nd January,2023.
- June 2015
- Junior research Fellowship with rank-78 in Mathematical Sciences.
- January-2015
- Qualified GATE-2015

## Research Experience

- **Research Scholar (Part time)**, Research Scholar at St Thomas College Palai , affiliated to Mahatma Gandhi University, Kottayam. (1st January 2019- Ongoing)  
Guide: Dr: Lovelymol Sebastian, Head and Associate Professor, Department of Mathematics, MES College Nedumkandam, Idukki.  
Topic: Mathematical Computation and Modelling Using Differential Equations in Fuzzy Environment.  
Field: Differential Equations, Fuzzy Mathematics, Mathematical Modelling.

## Areas of Specialization and Interest

- **Differential Equations**
- **Mathematical Modelling**
- **Fuzzy Set Theory**
- **Real Analysis**
- **Measure Theory**
- **Number Theory**

## Research Publications

- **Hausdorff Distance of Neutrosophic Fuzzy Sets for Medical Diagnosis**  
Priya Mathews & Lovelymol Sebastian, Accepted for publication in AIP conference Proceedings, Indexed in Web of Science, Scopus, Inspec.
- **Neutrosophic Intuitionistic Fuzzy Sets and its Application in medical Diagnosis**  
Priya Mathews & Lovelymol Sebastian, Accepted for publication in AIP conference Proceedings, Indexed in Web of Science, Scopus, Inspec.

## Paper Presentations

- **Various Similarity Measures for Neutrosophic Fuzzy Sets**  
International Conference on Mathematical Modelling (ICMM-2023) Organized by the Department of Mathematics, Bharathiar University, Coimbatore-46 held on 27th and 28th January 2023..
- **Neutrosophic Intuitionistic Fuzzy Sets and Its Application in Medical Diagnosis**  
First International Conference on Advanced Optimization Techniques and Applications (AOTA-2023) organized by Ramgarh Engineering College in collaboration with Sultan Moulay Slimane University, Morocco City University, Malaysia, held during 21st and 22nd January-2023.
- **Hausdorff Distance of Neutrosophic Fuzzy Sets for Medical Diagnosis**  
Second International Conference on Computational Sciences -Modelling, Computing and Soft Computing (CSMCS-2022) organized by Manipal Institute of Technology, Manipal During March 28-30, 2022.

## Faculty Development Programmes Attended

- 12th November-02nd December 2019 ■ Participated in the UGC Sponsored 107th Orientation Programme (Batch I) at UGC HRDC, Bharathidasan University, Tiruchirappalli, Tamil Nadu from 12.11.2019-02.12.2019.

## Faculty Development Programmes Attended (continued)

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|-----------------------|---|
| 11th-25th May 2021    | ■ Participated in the Online Two - Week Inter-Disciplinary Refresher Course/Faculty Development Programme on "Managing Online Classes & Co- creating MOOCS 5.0" from 11 - 25 May, 2021, 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 |
| 14 - 20 November 2022 | ■ Participated in the online one-week Faculty Development Programme on "Academic Research Writing" from 14-20 November-2022, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education - Pandit Madan Mohan   |

## Recent Seminars/ Conferences/ Workshops Attended

- International Conference on Mathematical Modelling (ICMM-2023) Organized by the Department of Mathematics, Bharathiar University, Coimbatore-46 held on 27th and 28th January 2023.
- First International Conference on Advanced Optimization Techniques and Applications (AOTA-2023) organized by Ramgarh Engineering College in collaboration with Sultan Moulay Slimane University, Morocco City University, Malaysia, held during 21st and 22nd January-2023.
- Second International Conference on Computational Sciences -Modelling, Computing and Soft Computing(CSMCS-2022) organized by Manipal Institute of Technology, Manipal During March 28-30, 2022.
- One day international Workshop on Differential Equations & Applications organized by School of Mathematics and Statistics & School of Data Analytics .Mahatma Gandhi University, Kottayam on 3rd January, 2023.
- Webinar on "Topology of Riemann Surfaces" organized by Research and PG Department of Mathematics, Maharaja's College, Ernakulam on December 5, 2020.
- International Conference (Online) on Nature Inspired Dynamical Systems-2020, organized by Department of Mathematics, Gujarat University, Ahmedabad on September 12, 2020.
- Webinar Series on Differential Equations: Analysis, Computation and Applications(Online), organized by IIT Roorke in 2020-2021.
- National Seminar on 'Computer Methods on Applied Mathematics and Engineering (CMAME-2019)' during 15th to 16th May 2019, organized by Department of Mathematics, National Institute of Technology, Calicut twinning with Government Engineering College, Bharatpur and Supported by TEQIP -III.
- 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 on 16 January 2017.

## Recent Seminar/Conferences/Workshops Organized

- Part of the Organizing Committee of the Webinar on "Soft Skills" organized by Internal Quality Assurance Cell(IQAC), St Thomas College, Kozhencherry on 19/03/2021.
- Part of the Organizing Committee of the Webinar on "Life Skills" organized by Counselling & Orientation Cell(2020-2021) in association with Internal Quality Assurance Cell(IQAC), St Thomas College, Kozhencherry on 16/03/2021

## Recent Seminar/Conferences/Workshops Organized (continued)

- Part of the Organizing Committee of the Webinar on "Stress & Strain : How to Cope" organized by Women Cell(2020-2021) In association with Internal Quality Assurance Cell(IQAC), St Thomas College, Kozhencherry on 08/03/2021.
- Coordinator of the Webinar on "Online Resources & Skill Development " organized by Massive Open Online Course Committee (MOOC) In association with Internal Quality Assurance Cell(IQAC), St Thomas College, Kozhencherry on 09/10/2020
- Part of the Organizing Committee of "Two Day Residential Camp for Girl Students" organized by Women Cell (2019-2020) from 28/02/2020 to 29/02/2020.
- Coordinator of the National Seminar On " Functional Analysis & Wavelet Theory" Organized by Department of Mathematics, ST Thomas College Kozhencherry on 28/02/2020.

## Skills

Languages known     ■ English, Malayalam, Tamil, Hindi.

Coding                ■ Python, C,  $\text{\LaTeX}$