



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

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

Faculty Profile

Mr Abin John

Assistant Professor

Department of Statistics

Mobile No. +91 9447509501

✉ abinjohn@stthomascollege.info



Personal Details

Date of Birth	29.05.1988
Nationality	Indian
Permanent Address	Punnackapadavil House, Geo Nagar, Pattayamkavala, Muthalakodam P.O, 685605, Idukki Dist, Kerala, India.

Higher Education

2008 – 2010	M.Sc Statistics , St Thomas College, Palai, Kerala.
2005 – 2008	B.Sc Mathematics , Newman College, Thodupuzha, Kerala.

Professional Position

07 January 2011 to present	Assistant Professor, Department of Statistics, St Thomas College, Kozhencherry
----------------------------	---

Teaching Experience

2011 – 2023	Undergraduate students
	Postgraduate students

Courses Taught

M.Sc Statistics with Data Science	Analytical Methods for Statistics
	Statistical Computing 1 Using Python
	Multivariate Distributions
	Testing Statistical Hypotheses
	Multivariate Analysis and Statistical Techniques for Data Mining

Courses Taught (continued)

	Statistical Modelling
	Applied Algorithms And Analysis Of Multi-type Data
	Machine Learning
M.Sc Mathematics	Optimization Techniques
	Combinatorics
B.Sc Mathematics	Descriptive Statistics
	Probability Theory
	Probability Distributions
	Statistical Inference
B.A Economics	Quantitative Techniques
	Quantitative Methods

Professional Service Rendered

AY 2021-22 to till date	Member, P.G Board of Studies (Statistics), M.G University, Kottayam.
AY 2020-21	Secretary, Expert Committee for the formation of syllabus of PG CSS Statistics with Data Science programme.
AY 2016-17	Member, Expert Committee for the revision of syllabus of core and complementary courses in Statistics of UG CBCS programmes.
AY 2011-12 to AY 2021-22	Nodal Officer, All India Survey on Higher Education (AISHE).
AY 2021-22	Chief Examiner, M.Sc Degree Examinations held under Mahatma Gandhi University, Kottayam.
AY 2012-13 to till date	Additional Examiner, M.Sc and B.Sc. Degree Examinations held under Mahatma Gandhi University, Kottayam.
AY 2017-18 to AY 2020-21	Convener, Administrative Committee of Cooperative Store.
AY 2019-20 to AY 2020-21	Convener, Admission Committee.
AY 2017-18 to AY 2018-19	Member, Admission Committee.
AY 2022-23	Member, Editorial Board, Reyono Journal of Interdisciplinary Studies.
AY 2021-22	Member, Career and Placement Cell.
AY 2016-17 to till date	Member, IQAC.
AY 2016-17 to AY 2019-20, AY 2022-23	Member, Committee for College Union Election.
AY 2012-13	Member, PTA.

Other Important Responsibilities/Positions Held

- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of 4th Semester PG CSS Statistics with Data Science Core Course Applied Algorithms and Analysis of Multi-type Data [STo4o4o2] (During 2021-2022).

Other Important Responsibilities/Positions Held (continued)

- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of 3rd Semester PG CSS Statistics with Data Science Core Course Statistical Modelling [STo40302] (During 2021-2022).
- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of 2nd Semester PG CSS Statistics with Data Science Core Course Testing Statistical Hypotheses [STo40201] (During 2020-2021).
- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of 1st Semester PG CSS Statistics with Data Science Core Course Analytical Methods for Statistics [STo40103] (During 2020-2021).
- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of 4th Semester PG CSS Mathematics Elective Course Probability Theory [ME810401] (During 2020-2021).
- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of 4th Semester PG CSS Mathematics Elective Course Probability Theory [ME810401] (During 2020-2021).
- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of 1st Semester Complementary Courses in Statistics of B.Sc Psychology programme Basic Statistics [ST1CMT21] (During 2018-2019).

Social Responsibilities Held

- Presiding Officer, Assembly Election, April 2021.
- Presiding Officer, Lok Sabha Election, April 2019.
- Presiding Officer, Assembly Election, May 2016.
- Presiding Officer, Panchayath Election, November 2015.

Professional Membership and Activities

- Member, Kerala Statistical Association.

Awards and Achievements

- | | |
|---------------|---|
| April 2010 | Second Rank, M.Sc Statistics under Mahatma Gandhi University, Kottayam. |
| December 2009 | CSIR-UGC NET. |

Research Experience

- Research Scholar (Part time)**, Postgraduate and Research Department of Statistics, St. Thomas College, Palai, affiliated to Mahatma Gandhi University Kottayam. (from 1st January 2020 onwards)
Guide: Dr. Dais George, Professor (Statistics), Catholicate College, Pathanamthitta.
Area of Research: Distribution Theory – Applications of Skewed Distributions.

Areas of Specialization and Interest

- Distribution Theory**

Areas of Specialization and Interest (continued)

- Multivariate Analysis
- Statistical Inference
- Machine Learning

Paper Presentations

- **A generalization of Log-Esscher transformed Laplace distribution.** Eighth International Conference on Statistics for Twenty-first Century-2022 (ICSTC - 2022) organized by the International Statistics Fraternity(ISF), School of Physical and Mathematical Sciences and Department of Statistics, University of Kerala, Trivandrum.

Project Guidance

M.Sc Statistics with Data Science

- **Aparna Jayakumar**, *Role of Family History of Cancer for Breast Cancer Risk Prediction: Decision Tree Technique Vs Logistic Regression Model* (2020-22 Batch)
- **Arya Raveendran**, *Lung Cancer Risk Prediction: Decision Tree Technique Vs Logistic Regression Model* (2020-22 Batch)
- **Priyalekshmi A**, *Poisson Regression Model for Predicting Breast Cancer Incidence Using Bootstrapping* (2020-22 Batch)
- **Sulekshana Raj**, *Lung Cancer Risk Prediction: K- Nearest Neighbours (KNN) Vs Logistic Regression Model* (2020-22 Batch)

M.Sc Mathematics

- **Arathy Sasidharan**, *Bilinear Forms* (2014-16 Batch)
- **Blessymol P John**, *Ramsey Theory* (2014-16 Batch)
- **Manumon V Mathew**, *Introduction to 4th Dimension* (2012-14 Batch)
- **Sulaja S**, *Decision Analysis* (2012-14 Batch)
- **Liya Mary Abraham**, *Stochastic Simulation and Its Applications* (2011-13 Batch)
- **Anju Krishna**, *Primitive Roots* (2010-12 Batch)
- **Raji Gopi**, *Study Of Birth-Death Process and Networks of Queues in Discrete-Parameter Markov Chains* (2010-12 Batch)
- **Midhun S Kumar**, *Statistical Decision Theory* (2009-11 Batch)
- **Sreeparvathy R**, *Analysis of Secular Trends* (2009-11 Batch)

Faculty Development Programmes Attended

- | | |
|--------------------------------|---|
| 19 October - 25 October 2021 | ■ Online National FDP on “Advanced Data Analysis using R” jointly organised by Rajagiri College of Social Sciences and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PMMMNMTT of Ministry of Education. |
| 23 November - 28 November 2020 | ■ Online Short Term Programme in "RESEARCH AND PUBLICATION ETHICS" organised by Mar Thoma College, Thiruvalla in association with M.G University, Kottayam. |

Faculty Development Programmes Attended (continued)

10 November 2020	■ FDP webinar on “Transactional Analysis and Mindfulness in Reflective Teaching”, organised by IQAC, St. Thomas College Kozhencherry and KSHEC.
4 November 2020	■ FDP Webinar “Mapping of Outcomes: Programme Outcomes, Course Outcomes and Learning Outcomes” organised by IQAC, St. Thomas College Kozhencherry and KSHEC.
04 November - 01 December 2016	■ UGC sponsored Orientation Programme conducted by UGC-HRDC, University of Kerala, Kariavattom, Trivandrum.
15 February - 06 March 2016	■ Refresher Course in Mathematical Sciences conducted by UGC-HRDC University of Mysore, Mysore.

Recent Seminars/ Conferences/ Workshops Attended

29 June - 01 July 2020	■ National Seminar on “Recent Trends in Statistical Theory and Applications-2020” (NSSTA – 2020) webinar organized by Indian Society for Probability and Statistics (ISPS), Kerala Statistical Association (KSA) and the Department of Statistics, University of Kerala, Trivandrum.
23 April - 25 April 2021	■ International online Workshop on "Multivariate Data Analysis and its interpretation using SPSS" organized by Institute for Statistics and Analytical Research, Chennai.
18 June - 22 June 2021	■ International online workshop on “Documentation through \LaTeX ” organized by Global Institute of Statistical Solutions (GISS), Chennai.
26 June - 28 June 2021	■ International online workshop on “Data Analysis using Business Excel” organized by Global Institute of Statistical Solutions (GISS), Chennai.
20 February - 22 February 2022	■ International online workshop on “Data Analysis using R Commander” organized by Global Institute of Statistical Solutions (GISS), Chennai.
26 February - 27 February 2022	■ International Conference on Mathematics, Statistics and Data Science (ICMSDS-2022) organized by School of Mathematics and Statistics and School of Data Analytics Mahatma Gandhi University, Kottayam, Kerala, India.
16 December - 19 December 2022	■ Eighth International Conference on Statistics for Twenty-first Century-2022 (ICSTC - 2022) organized by the International Statistics Fraternity(ISF), School of Physical and Mathematical Sciences and Department of Statistics, University of Kerala, Trivandrum.

Recent Seminar/Conferences/Workshops Organized

- Organised a Seminar on “Research Motivation and Methodology” and Inauguration of Research Forum, St. Thomas College, Kozhencherry on 03rd February 2017.
- Conducted a one-day workshop on “Applications of Software in Data Analysis”, on 30th October 2018.

Recent Seminar/Conferences/Workshops Organized (continued)

- A two day regional workshop on “STATISTICAL TOOLS AND DATA ANALYSIS” was conducted by the Department from 28th January 2020 to 29th January 2020, in association with the IQAC, PTA and College Management, for PG(Final) students of Economics, Commerce, Botany and Zoology.
- Webinar on CAREER OPPORTUNITIES and APPLICATIONS OF STATISTICS conducted by the Department on 22nd February 2021, in collaboration with Department of Statistics, Sree Sankara College, Kaladi and Department of Statistics, B.C.M College, Kottayam.
- Webinar Series on STATISTICAL TOOLS AND SOFTWARES FOR DATA ANALYSIS was conducted by the Department on 12th June 2021, 19th June 2021, 3rd July 2021, 10th July 2021 and 14th August 2021.
- Webinar on CAREER PATHS IN DATA SCIENCE was conducted by the Department on 5th August 2021.
- Webinar on DATA VISUALIZATION IN PYTHON was conducted by the Department on 14th May 2022.
- Talk on BE AN ACHIEVER was conducted by the Department on 30th August 2022 in association with the farewell programme of the first batch of MSc Statistics with Data Science programme.
- Talk on TRENDS IN AI, ML, DATA SCIENCE AND DATA ANALYTICS was conducted by the Department on 07th November 2022.

Invited Talks

- DESCRIPTIVE STATISTICS in the Workshop on RESEARCH METHODOLOGY AND PUBLICATION ETHICS organized by IQAC, St. Thomas College Palai from 9th April 2021 to 13th April 2021.
- STATISTICAL ANALYSIS in the online Workshop on RESEARCH METHODOLOGY AND PUBLICATION ETHICS organized by IQAC, St. Thomas College Palai on 11th December 2021.
- Resource Person, Seminar on Functions of Statistics and Career Opportunities in Statistics organized by Department of Statistics, Catholicate College, Pathanamthitta on 29th June 2022.

Skills

- Languages known ■ English, Malayalam.
- Coding ■ Python, R, SPSS, M.S Excel, \LaTeX .