

Smt. NISHA OOMMEN

Assistant Professor (contract),
Department of Mathematics and Statistics,
St Teresa's College (Autonomous),
Ernakulam 682011, Kerala, India.
Email: nishaoommen@teresas.ac.in

PROFESSIONAL EXPERIENCE:

- Working as Assistant Professor in PG Mathematics (Self Financing), in the Department of Mathematics and Statistics at St Teresa's College (Autonomous), Ernakulam from August 2016 onwards.
 - Co-ordinator of PG Mathematics (Self Financing).
 - Member of UG and PG Board of studies, St. Teresa's College, Ernakulam.
 - Chief Examiner for paper valuation.
 - Additional Examiner for paper valuation.
 - External question paper setter.
 - Guide for PG and UG projects.
 - Convener for National Seminar on Analysis and Algebra conducted on 26th August 2017 at St Teresa's College Ernakulam.
- Worked as a Guest Lecturer(regular) in the Department of Mathematics and Statistics at St. Teresa's college, Ernakulam from June 2005 - March 2011.
- Three months of work experience as a Guest Lecturer in Mathematics from Jan 1997 at the School of Technology and Applied Sciences, M.G. University Regional Centre, Edappally.

ACADEMIC QUALIFICATIONS:

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| • M.Phil. in Mathematics
First class with 63% | Calicut University | 1991 |
| • M.Sc. in Mathematics
First class and distinction with 75% | Mahatma Gandhi University | 1988 |
| • B.Sc. in Mathematics
First class with 93.5% | Mahatma Gandhi University | 1986 |
| • MCA
First class with 60% | IGNOU | 2004 |
| • B.Ed. in Mathematics
First class with 60.3% | Mahatma Gandhi University | 1989 |

AREAS OF INTEREST:

Applied Mathematics, Graph Theory, Linear Algebra, Complex Analysis, Operations Research.

PROFESSIONAL SKILLS OTHER THAN TEACHING :

- Knowledge in Python mathematical software.
- Knowledge in LaTeX software.
- Knowledge of Programming Languages C, C++.
- Knowledge of MS Office.

ACHIEVEMENTS:

- Completed UdeMy course on “LaTeX A-Z simplified: Basics to Advanced step-wise Journey”
- Completed Coursera course certificate on “Number Theory and Cryptography”
- Completed Coursera course certificate on “Mathematics for Machine Learning: Linear Algebra”
- Completed NPTEL Online Certification Course on “Numerical Linear Algebra” with score 94%.
- NPTEL Online certification (Elite Gold) in “Graph Theory”.
- NPTEL Online certification (Elite Gold) in “Introduction to Abstract and Linear Algebra”

PROFESSIONAL AFFILIATION:

- Life Member, Kerala Mathematical Association.

PARTICIPATION IN FACULTY IMPROVEMENT PROGRAMMES:

- Completed TWO-WEEK REFRESHER COURSE IN “MATHEMATICS” Organized by “Department of Mathematics, Teaching Learning Centre, Ramanujan College, University of Delhi” From 16-30 March 2021 and Obtained Grade A+.
- Participated In the International Online Workshop on “Initiation into Linear Algebra” Organised by The Postgraduate and Research Department of Mathematics, Mar Thoma College Tiruvalla, From 28th September 2020 to 3rd October 2020.
- Participated in the International Conference on “Emerging Trends in Mathematics and Statistics (ICETMS-2020) Online” during 21st October to 23rd October 2020 organized by PG Department of Mathematics and Statistics and IQAC, St. George’s College Aruvithara, Kottayam, in association with KMA.
- Participated in National Faculty Development Programme on Capacity Building in Drafting Proposals for Funded Research jointly organised by Teresian Research and Consultancy Cell (TRACC) and Guru Angad Dev Teaching Learning Centre of MHRD, Under the Scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) from 5th to 11th October 2020.
- Successfully completed short term FDP organized by the Teresian Teaching Learning Centre from 3rd August to 7th August 2020. Conducted on Online mode by Teaching Learning Centre, IIT Madras.

- Participated in National Level webinar on “Mathematics Research Ways and Means” on 22nd July 2020 organized by Department of Mathematics and IQAC St. Stephen’s College, Uzhavoor.
- Participated in webinar on “LaTeX for Beginners” conducted by Department of Mathematics, Assumption College (Autonomous), Changanacherry on 17th July 2020.
- Successfully completed two weeks FDP on “Managing Online Classes and Co-Creating MOOCs: 2.0” from 18th May to 3rd June 2020, organised by Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on teachers and Teaching.
- Participated in national webinar series from 7th May to 12th May 2020 on “Academic Quality Enhancement Through Outcome Based Education” conducted by IQAC as part of UGC PARAMARSH scheme sponsored by NAAC.
- Completed workshop on Video Content Creation organized by Marian College Kuttikkanam (Autonomous) from 22nd to 24th March 2020.
- Participated in the National Seminar on e-learning and MOOCs in Higher Education organised by Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi in collaboration with St Teresa’s College (Autonomous), Ernakulam on 1st March 2019.
- Participated in the International Workshop and Conference on Topology and Applications held from December 5th to 11th, 2018, conducted by RSET, Kochi.
- Participated in the “National Workshop on LaTeX Report and Article Writing” organised by the Department of Mathematics, Amrita School of Arts and Sciences Kochi on 27th October 2017.
- Participated in the National Seminar on Analysis and Algebra conducted on 26th August 2017 at St Teresa’s College Ernakulam and was convener for the same.
- Participated in the UGC sponsored National Workshop on “Capacity Building in Academic Writing and Publishing” organised by Golden Jubilee Memorial Library, St Teresa’s College, Ernakulam on March 15th, 2017.
- Participated in the UGC sponsored workshop on “Educational Leadership and Teacher Wellness” organised by the community College and IQAC on 27-02-2017 at St Teresa’s College Ernakulam.
- Attended regional seminar on 'Python Mathematical Software' and 'On Euler's Formula ' conducted by Kerala Mathematical Association at St. Teresa's College, Ernakulam on 26th February 2011.
- Participated in the three-day training programme for college teachers on "General Informatics" organized by St Teresa's College, Ernakulam from 20th to 22nd December 2010.
- Attended UGC sponsored National Seminar on Fractals and Chaos conducted by Department of Mathematics, St Albert's College, Ernakulam on 6th & 7th August 2010.
- Attended the International Seminar on 'Recent Trends in Topology and its Applications ' conducted by Department of Mathematics, St Joseph's College Irinjalakuda from 19th to 21st March 2009.
- Participated in the workshop for setting the model question papers for Degree Mathematics Programme in the choice-based Course Credit Semester System conducted

by UG Board of studies (Mathematics), Mahatma Gandhi University and Department of Mathematics, Sacred Heart College, Thevara on 13th and 14th August 2009.

- Attended 3-day UGC sponsored National Seminar on 'Fuzzy Mathematics and Graph Theory' conducted by Kerala Mathematical Association & Department of Mathematics, St. Teresa's College, Ernakulam from 23rd to 25th July 2009.
