

# NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

## COIMBATORE

### STAFF PROFILE

**NAME** : Dr. Sr. Stephy Stephen  
**DESIGNATION** : Assistant Professor  
**DEPARTMENT** : Mathematics  
**QUALIFICATION** : M.Sc., Ph.D  
**EXPERIENCE** : 8 Years  
**AREAS OF SPECIALIZATION** : Operations Research, Topology  
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#### ACADEMIC QUALIFICATIONS :

DEGREE	YEAR OF COMPLETION	NAME OF THE INSTITUTION	CLASS
B.Sc Mathematics	2015	Nirmala College for Women, CBE	Exemplary
M.Sc Mathematics	2018	Nirmala College for Women, CBE	Exemplary
Ph.D in Mathematics	2025	Nirmala College for Women, CBE	Highly Commended

#### RESEARCH PUBLICATIONS:

##### INTERNATIONAL:

- [1] *Igsr Continuity and Igsr Compactness In Intuitionistic Topological Spaces*, International Journal of Innovative research and technology, 4(9), 63-68, 2018.
- [2] *Intuitionistic Generalized Semi Regular Cokernal Compact Spaces*, International Journal of Engineering Science, 8(2), 16066-16070, 2018.
- [3] *On Generalized Semi, Regular closed sets in Intuitionistic Topological Spaces*, International Journal of Mathematical Archive, 9(3), 101-105, 2018.
- [4] *Interval Valued Neutrosophic Linear Programming with Trapezoidal Numbers*, International Journal of analytical and experimental modal analysis, 12(9), 533-542, 2020.
- [5] *A New ranking function to solve neutrosophic linear programming problem*, International Journal of Humanities and Sciences, 1(1), 113-117, 2021.

- [6] *Integration of MOORA method with neutrosophy for decision making*, Journal of Xi'an university of architecture and technology, 13(4), 260-268, 2021.
- [7] *Interval-valued Neutrosophic Pythagorean sets and their application in decision making using IVNP-TOPSIS*, International Journal of Innovative Research in Science, Engineering and Technology, Vol 10, Issue 12, Dec 2021.
- [8] *Assessment of NMOORA and NVIKOR MCDM methods in plant disease management*, AIP Conference Proceedings, 2385, 130058, 2022.
- [9] *Interval-valued Neutrosophic Pythagorean Point Operators*, Indian Journal of Natural Sciences, Vol 14, Issue 77, Apr 2023.
- [10] *An IVNP TODIM-CRITIC method for the selection of pesticides using aggregated operators*, AIP Conference Proceedings, 2875, 030002, 2023.
- [11] *Interval-valued Fermatean Neutrosophic sets of second type and its properties*, International Journal of Creative Research thoughts, Vol 11, Issue 7, July 2023.
- [12] *Fuzzy Cognitive PDUS MOORA Decision Model for Prioritizing Women's safety using Perceptual Dynamic Uncertainty Set*, International Journal of Innovative Research of Science, Engineering and Technology, Vol 15, Issue 1, Jan 2026.

#### **PRESENTATIONS IN CONFERENCE:**

##### **INTERNATIONAL:**

- [1] *Assessment of MOORA and VIKOR MCDM methods in Plant disease management*, International Conference of Recent advances in Mathematics, Sacred heart college, Tirupattur, Tamil Nadu, India. (09.04.2021-10.04.2021)
- [2] *An IVNP TODIM-CRITIC method for the selection of pesticides using aggregated operators*, 2<sup>nd</sup> International Conference on Computational Sciences, -Modelling, Computing and Soft computing CSMCS 2022, (28.03.2022-30.03.2022)
- [3] *Some Properties and Results of Interval-valued Neutrosophic Pythagorean aggregation operators and its applications*, International Conference on Recent Strategies in Mathematics and Statistics ICRSMS 2022, Stella Maris College, Chennai, India, (19.05.2022-21.05.2022)
- [4] *Interval-valued Neutrosophic Pythagorean Point Operators*, International Conference on Contemporary Approaches in Sciences and Humanities: Future Prospects ICCASH '23, Nirmala College for Women, Coimbatore, India, (02.02.2023-03.02.2023)

## **PARTICIPATION IN CONFERENCES:**

- [1] Participated in the 2<sup>nd</sup> International Conference on Computational Sciences- Modelling, Computing and Soft Computing organized by Manipal Institute of Technology, Manipal from 28.03.2022 to 30.03.2022.
- [2] Participated in the International Conference on “Women’s Equality, Protection and Empowerment”- Sheroes Fest 2024, Her rights, her voice, her power organized by Nirmala College for Women, Coimbatore from 24.08.2024 to 26.08.2024.
- [3] Participated in National Conference on “Connecting Users to Library Resources through Innovative Technologies” SALIS 2024 conducted by Nirmala College for Women jointly with SALIS, Chennai on 04.10.2024 and 05.10.2024.

## **PARTICIPATION IN SEMINARS:**

- [1] Participated in the Webinar on “HOW TO GET PUBLISHED IN SCIENTIFIC JOURNAL : FROM RESEARCH TO PUBLICATION ” organized by Sri Ram Institute of technology, Chennai on 27.04.2020.
- [2] Participated in the Webinar on “HOW TO USE TURNITIN SOFTWARE FOR YOUR RESEARCH” organized by Guru nanak Institute of Management Studies on 04.05.2020.
- [3] Participated in the Webinar on “DATA ANALYTICS AND INSIGHT” organized by Easwari Engineering College, Chennai on 05.05.2020.
- [4] Participated in the Webinar on “INTELLECTUAL PROPERTY RIGHTS” organized by EXCEL College of Engineering and technology, Komarapalayam, on 05.05.2020.
- [5] Participated in the Webinar on “HOW TO GET RESEARCH PAPER PUBLISHED- A STEP BY STEP APPROACH” organized by Department of Business Administration, Don Bosco College, Yelagiri on 09.05.2020.
- [6] Participated in the National level online Webinar on “HOW TO CREATE EDUCATIONAL VIDEOS” organized by Knowledge Publications and Chemtoons Youtube channel on 10.05.2020.
- [7] Participated in the Webinar on “THE SEVEN GIFTS OF THE HOLY SPIRIT” organized by Catechism & moral Instruction Committee, Nirmala College for Women, Coimbatore from 15.06.2020 to 21.06.2020.
- [8] Participated in the Webinar on “RESEARCH ADVANCES IN APPLIED MATHEMATICS ” organized by Department of Applied Mathematics, Bharathiar University, Coimbatore from 22.03.2021 to 24.03.2021.

- [9] Participated in the Webinar on “MACHINE LEARNING METHODS AND APPLICATIONS IN RESEARCH” organized by Department of CS, Government Arts College, Pudukottai on 06.07.2021.
- [10] Participated in the Webinar on “ESSENTIALS OF MATHEMATICS FOR MACHINE LEARNING” organized by Department of Mathematics, Government Arts College, Udthagamandalam on 06.08.2021.
- [11] Participated in webinar on “RELEVANCE OF MATHEMATICS IN CONTROL SYSTEMS” organized by KPR Institute of Engineering and Technology, Coimbatore on 07.08.2021.
- [12] Participated in webinar on “FUNDAMENTALS OF MATHEMATICS” organized by Assam Kaziranga University, Assam from 30.08.2021 to 01.09.2021.
- [13] Participated in webinar on “AN OVERVIEW – TOPOLOGY AND NANO TOPOLOGY” organized by Hindusthan College of Engineering and Technology, Coimbatore on 31.08.2021.
- [14] Participated in International Seminar in “RECENT TRENDS IN PURE AND APPLIED MATHEMATICS” conducted by the Dept of Mathematics, Nirmala College for Women, Coimbatore on 28.01.2022.
- [15] Attended Training programme on “E- RESOURCES IN J-GATE” organized by Dept of Library, Nirmala College for Women, Coimbatore on 26.03.2022.
- [16] Participated in the Faculty Enrichment Programme on “BOOSTING ENGAGEMENT: INTERACTIVE AND DIGITAL LEARNING DESIGN” organized by Nirmala College for Women on 16.02.2024.
- [17] Participated in the Faculty Enrichment Programme on “LEARNING OUTCOME BASED CURRICULUM FRAMEWORK IN THE CONTEXT OF NEP” organized by Nirmala College for Women on 04.12.2024.

#### **PARTICIPATION IN WORKSHOPS:**

- [1] Attended online workshop on “ACADEMIC INTEGRITY DEALING WITH PLAGIARISM” by Rehoboth Academic services, Bangalore.
- [2] Attended virtual workshop on “ACADEMIC PUBLICATIONS AND BIBLIOMETRICS” by Department of Library, Nirmala College for Women, Coimbatore on 19.05.2021.
- [3] Attended workshop on “PROBLEM SOLVING AND IDEATION” by PG & Research Department of Mathematics, IIC, Nirmala College for Women, Coimbatore.

- [4] Attended “Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs” by PG & Research Department of Mathematics, IIC, Nirmala College for Women, Coimbatore.

**PARTICIPATION IN ORIENTATION PROGRAMME/ INDUCTION PROGRAMME/ SHORT TERM COURSES:**

- [1] Completed a course on “EXTINCTIONS: PAST, PRESENT & FUTURE” authorized by Emory University through Coursera on 24.11.2020.
- [2] Completed a course on “FEMINISM AND SOCIAL JUSTICE” authorized by University of California, Santa Cruz through Coursera on 07.11.2020.
- [3] Completed a course on “MANAGING ASTHMA, ALLERGIES, DIABETES AND SEIZURES IN SCHOOL” authorized by University of Colorado through Coursera on 27.11.2020.
- [4] Completed a course on “SCIENCE OF EXERCISE” authorized by University of Colorado through Coursera on 05.11.2020.
- [5] Completed an NPTEL Swayam Course on “GRAPH THEORY”

**PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES:**

- [1] Participated in the Online FDP on “MOODLE LEARNING MANAGEMENT SYSTEM” organized by Kaypeeyes College of Arts and Science, Kotagiri in association with IIT Bombay from 29.04.2020 to 01.05.2020.
- [2] Participated in the three days National level FDP on “ONLINE COLLEGE MANAGEMENT AND ONLINE CONTENT CREATION TOOLS” organized by Lala Lajpat Rai College of Commerce and Economics, Mumbai from 30.04.2020 to 02.05.2020.
- [3] Attended Online International FDP on “HOW TO WRITE EFFECTIVE CASE STUDY?” by Atmiya University, Rajkot, Gujarat, India on 02.05.2020.
- [4] Participated in the FDP on “COURSE AND CURRICULUM DESIGN IN HIGHER EDUCATION” organized by Sri GVG Visalakshi College for Women, Udumalpet on 08.05.2020.
- [5] Participated in the Online FDP on “RECENT TRENDS IN COLOR IMAGE PROCESSING” organized by Department of BCA, Patrician College of Arts and Science, Chennai on 11.05.2020.
- [6] Participated in the one week National level FDP on “R LANGUAGE” organized by Auxilium College, Vellore from 13.05.2020 to 20.05.2020.

- [7] Participated in the UGC sponsored FDP on “ASPECTS OF MATHEMATICS” organized by Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai from 22.03.2021 to 28.03.2021.
- [8] Participated in the Five days national level FDP on “GRAPH THEORY” organized by Department of Science in collaboration with IQAC, Christ College of Science and Management, Bangalore from 29.06.2021 to 03.07.2021.
- [9] Participated in 3 days national level FDP on “ADVANCES IN APPLIED MATHEMATICS” organized by Bharathiar University, Coimbatore from 22.03.2021 to 24.03.2021.
- [10] Participated in the Two days FDP on “TEACHING LEARNING PROCESSTHROUGH REVISED BLOOMS TAXONOMY” organized by Department of Mathematics, Dr.NGP Institute of Technology, Coimbatore from 01.07.2021 to 02.07.2021
- [11] Participated in 6 days FDP on “MATHEMATICS AND STATISTICS IN EMERGING FIELD” by KPR Institute of Engineering and Technology, Coimbatore from 05.07.2021 to 10.07.2021.
- [12] Participated in one week FDP on “RESEARCH AXIOMS AND PRACTICUM ON MATHEMATICAL APPLICATIONS” organized by KG College of Arts and Science, Coimbatore from 09.01.2023 to 13.01.2023.
- [13] Participated in One week FDP on “SAGEMATH” conducted by KG College of Arts and Science, Coimbatore from 26.06.2023 to 30.06.2023.
- [14] Participated in 7 days FDP on “Latest Trends on Computational Mathematics, Theory, Methods and Applications” organized by JIS University from 26.02.2024 to 01.03.2024.
- [15] Participated in 5 days FDP on “MATHEMATICS AND ITS APPLICATION” organized by PSGR Krishnammal College for Women, Coimbatore from 11.03.2024 to 15.03.2024
- [16] Participated in 5 days FDP on “TEACHING AS A CHALLENGING PROFESSION” conducted by the SKPC Library from 13.05.2024 to 17.05.2024.
- [17] Participated in one week FDP on “MATHEMATICS IN REAL, APPLIED AND COMPUTATIONAL DOMAINS” organized by School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai from 03.07.2023 to 08.07.2023.

- [18] Participated in one week FDP on “TRANSFORMING EDUCATION WITH ARTIFICIAL INTELLIGENCE: A FACULTY DEVELOPMENT JOURNEY” organized by KG College of Arts and Science, Coimbatore from 22.07.2024 to 26.07.2024.
- [19] Participated in 5 days FDP on “ADAPTING TO AI DRIVEN INDUSTRY” organized by Rajapalayam Rajus’ College from 09.09.2024 to 13.09.2024.
- [20] Participated in 7 days FDP on “INDIAN KNOWLEDGE SYSTEM” organized by IQAC, Nandha Arts and Science College, Erode from 30.09.2024 to 06.10.2024.
- [21] Participated in the 5 days FDP on “PYTHON PROGRAMMING FOR DATA ANALYSIS” organized by Centre for Development of Advanced Computing, Electronics & ICT academy, C-DAC Hyderabad from 20.11.2024 to 24.11.2024.
- [22] Participated in 5 days FDP on “CHALLENGES AND ISSUES OF APPLYING RECENT TOOLS AND TECHNIQUES IN TEACHING AND RESEARCH PEDAGOGY” organized by St.Joseph’s College (Arts & Science), Kovur, Chennai from 13.10.2025 to 17.10.2025.
- [23] Participated in 1 day Faculty Enrichment Programme on “GENERATIVE AI IN HIGHER EDUCATION: EMERGING TOOLS AND FUTURE DIRECTIONS” organized by IQAC, Nirmala College for Women, Coimbatore on 06.02.2026.

**CONFERENCE/ SEMINAR/ WORKSHOP ORGANIZED:**

- [1] Organized a one day National level seminar on “HUMAN VALUES” ON 18.05.2021
- [2] Organized a Guest lecture on “ETHICS IN GENDER EQUALITY” ON 25.06.2021
- [3] Organized a certificate course on “SKILL DEVELOPMENT” from 26.07.2021 to 09.08.2021.
- [4] Organized a Workshop on “MODELING THROUGH DIFFERENTIAL EQUATIONS” on 25.08.2021
- [5] Organized an Inter-Collegiate Short Film Contest LENS & LIGHT on 19.01.2026.

**INVITED SPEAKER/ SESSION CHAIR- CONFERENCE/ SEMINAR/ WORKSHOP:**

- [1] Seminar on ARTIFICIAL INTELLIGENCE IN EDUCATION on 05.07.2025 at Nirmala College for Women, Coimbatore.
- [2] Seminar on AI TOOLS FOR STUDENTS on 26.07.2025 at Nirmala Matric Hr Sec School, Coimbatore.

**BOOK PUBLICATIONS:**

[1] Theervu Korvaigal, 2022

[2] MCQ's on Mathematical Analysis, 2024

[3] Manual on Geogebra, 2024.

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