

# NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

## COIMBATORE

### STAFF PROFILE



**NAME** : Dr.Priyadharshini Infanta.C

**DESIGNATION** : Assistant Professor

**DEPARTMENT** : Mathematics(SF)

**QUALIFICATION** : Ph.D

**EXPERIENCE** : 13 Years

**AREAS OF SPECIALIZATION** : Operations Research

**E-MAIL** : infantapriya24@gmail.com

**ACADEMIC QUALIFICATIONS** :

DEGREE	YEAR OF COMPLETION	NAME OF THE INSTITUTION	CLASS
High School	2001	St.Joseph's Matriculation school, Coimbatore	First class
Higher Secondary	2003	Mani's Higher Secondary School, Coimbatore.	First class
B.Sc Mathematics	2006	Nirmala College for Women, Coimbatore.	First Class with Distinction
M.Sc Applied Mathematics	2008	PSG College of Technology, Coimbatore	First class
M.Phil Mathematics	2015	Nirmala College for Women Coimbatore	First class
Ph.D Mathematics	2021	Nirmala College for Women Coimbatore	First class

#### RESEARCH PUBLICATIONS:

##### INTERNATIONAL:

- [1] "Decision Making Problem Via Fuzzy Soft Set", Global Journal For Research Analysis, Vol IV, Issue IV, Apr 2015, pp 1-3, (2015).

- [2] A NEW CLASS OF CONTRA MAPPINGS IN SOFT TOPOLOGICAL SPACES, International Journal of Mathematical Archives, Vol 6 Issue 6, (2015), pp 1-6.
- [3] “A study of structural changes of Airway in Human Asthma using Fractal Dimension” , Global Journal of Pure and Applied Mathematics. ISSN 0973-1768, Volume 13, Number 6 ,(2017), 56-60.
- [4] “Modelling of Optimum Number of Insulin Receptors in the Hepatic Cell using Queuing Theory”, International Journal of Innovation in Science and Mathematics, Volume - 6, Issue - 4, July – 2018, 125-128.
- [5] “Transient Analysis of M/M/c with vacation and balking” , International Journal of Research and Analytical Reviews, ISSN 2349-5138, Volume 6, 31-35, April 2019.
- [6] “Transient Analysis of M/M/c Queue Having  $i$  Customers in the Beginning with Heterogenous Servers under Catastrophes and Balking”, International Journal of Scientific Research and Review, ISSN NO: 2279-543X, Volume 8 Issue 4, April 2019, 791-796.
- [7] “Transient Analysis of M/M/c Queue with multiple working vacations and customer’s impatience” , The International Journal Of Analytical And Experimental Modal Analysis, Volume X1, Issue X, October 2019, 2991-2998.
- [8] “Transient Analysis of M/M/c Queue with multiple working vacations and customer’s impatience under restricted admissibility”, Alochana Chakra Journal, ISSN NO: 2231- 3990, Volume 1X , Issue VIII, August 2020, 499-505.
- [9] Cost Analysis of Transient Analysis of M/M/c Queue with multiple working vacations and customer’s Impatience, Indian Journal of Natural Sciences, Vol 14 Issue 79 Pg 60250-60253
- [10] Analysis Of Heterogeneous Server With Multiple Working Vacations With Restriction Admissibility Condition – A Sensitivity Analysis On The Performance Measures Of The C Servers, Machine Intelligence Research, Vol.18 No.1 Pg 181 –187.

## **PRESENTATIONS IN CONFERENCE:**

### **INTERNATIONAL:**

- [1] Transient Analysis of M/M/c Queue with Multiple Working Vacations and Customer Impatience- A Graphical Approach International – International Conference on Contemporary Approaches in Sciences and Humanities: Future Prospects[ICCASH'23] 02.02.2023 and 03.02.2023.

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

- [1] Workshop on Andragogy of Online Teaching and Learning, IQAC, Nirmala College for women, 22/4/2021, 23/4/2021.
- [2] Workshop on Academic Publications and Bibliometrics, Dept of Library, Nirmala College for women, 19/5/2021.
- [3] Big Data Technology, Future Skills Prime CDAC Noida, 08.08.2023 To 17.08.2023
- [4] Artificial Intelligence Tools for Educators, IGNITE Life Skills Academy And IQAC Sacred Heart College Thevara, Kochi

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

- [1] Webinar on Entrepreneurship- Business Opportunities, PG and Research Dept of Mathematics Nirmala College for women, 26/02/2022
- [2] Fractal Representation on a study of structural changes of chronic inflammatory lung diseases in Women, **Seed Money Grant**, 3 Months ,(Rs 15000)

#### **PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES:**

- [1] FDP on Environment Audit of infrastructure, extension activity and institutional social responsibility, Nirmala College for women, 30/10/2015.
- [2] OUTCOME BASED EDUCATION, Nirmala College for women, 24/03/2018
- [3] OUTCOME BASED EDUCATION, Nirmala College for women, 22/06/2018, 23/06/2018

- [4] OUTCOME BASED EDUCATION, Nirmala College for women, 13/10/2018
- [5] Open access E-resource for research and INFLIBNET resources, Nirmala College for women, 9/11/2018
- [6] FDP on content development using Joomla, Nirmala College for women, 9/4/2019
- [7] Webinar on Introduction to Robotics, Nirmala College for women, 17/6/2020
- [8] Webinar on Shadow and Truth – Understanding the Reality, Nirmala College for women, 26/6/2020
- [9] NEP: Implementation Imperatives for Higher Education System, IQAC, Nirmala College for women, 24/4/2021
- [10] FDP on Research Funding projects & IPR (Part II), K.C.College of Engineering and Management Studies and Research, Thane, 7/6/2021 to 9/6/2021
- [11] FDP Workshop on e-Content Skill Development, Dept of Mathematics, Nirmala College for Women, 14/06/2021 to 19/06/2021
- [12] FDP on Marching with Hope , Dept of Chemistry, Nirmala College for women, 13/07/2021
- [13] FDP on Stress Management , Dept of Chemistry, Nirmala College for women, 14/07/2021 and 15/07/2021.
- [14] FDP on How to Publish Research Articles in SCI Journals, Dept. Of Botany, Nirmala College for women, 18/10/2021.
- [15] Online Faculty Development Programme, Pioneer College of Arts and Science Jothipuram, Coimbatore. 27/01/2022 to 29/01/2022
- [16] Novel Approaches towards Biomathematics, Sri Sarada College for Women, Periyar University, Salem, 14/02/2022
- [17] Mathematical Insight-Biological Problems, Sri Sarada College for Women, Periyar University, Salem, 23/02/2022
- [18] IP Awareness/Training Program, Intellectual Property Office, India , 12.04.2022
- [19] IP Awareness/Training Program, Intellectual Property Office, India , 19.04.2022
- [20] National FDP on Effective Teaching and Learning Methodologies for Differential Equations, PSGR Krishnammal College for Women, Coimbatore, 25.04.2022 to 27.04.2022

- [21] One Week National Level FDP, RBVRR Women's College (Autonomous), Hyderabad, 02.05.2022 to 06.05.2022
- [22] Opportunities for Financial Assistance from Funding Organizations by Understanding and Applying Research Paradigm, Government Funding Committee, Nirmala College for Women, Coimbatore, 30.09.2022
- [23] Exploration of Mathematics in Emerging Fields, Department of Mathematics PPG College of Arts & Science Coimbatore. 21/02/2024 to 25/02/2024
- [24] Research paper Writing and publications in SCI, Pencil Bitz, Ministry of MSME, Govt. of India 23.05.2024 To 29.05.2024
- [25] Futuristic Pathway in Technology and Computational Methodologies, Mary Matha College of Arts and Science, 06.01.2025 To 11.01.2025
- [26] Framework and Implementation of NEP2020, Dr.M.G.R Engineering and Research Institute, 26.12.2024 To 30.12.2024
- [27] Outcome Based Education, St. Mary's Centenary Degree College Telangana, 02.06.2025 To 06.06.2025
- [28] Cyber Physical System, Dr.M.G.R Educational and Research Institute Chennai, 26.05.2025 To 30.05.2025
- [29] Online NEP 2020 Orientation & Sensitization Programme, MMTTC, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha, Maharashtra, 02.09.2025 To 10.09.2025.
- [30] Artificial Intelligence : Global Trends ,Technologies & Ethical Transformation, Rajapalayam Rajus' College, Rajapalayam., 15.09.2025 To 19.09.2025.
- [31] IP Awareness/Training program Under National Intellectual Property Awareness Mission, Intellectual Property Office, India, 16.10.2025
- [32] Teaching Methodologies, IQAC of Stella Matutina College of Education, Chennai, 22.10.2025 To 29.10.2025.
- [33] Block Chain and Digital Transformation, Digital South , 14.11.2025 To 20.11.2025.
- [34] Generative AI in Higher Education : Emerging Tools and Future Directions, IQAC, Nirmala college for women, Coimbatore, 06/02/2026

**CONFERENCE/ SEMINAR/ WORKSHOP ORGANIZED:**

- [1] One Day Workshop – PERSONALITY DEVELOPMENT, 21.02.2013
- [2] One Day Workshop – Mathematics And Its Varied Applications , 22-02- 2013
- [3] One Day Workshop – CYBERMATICS 2014, 07-03- 2014
- [4] One Day Workshop – CYBERMATICS 2015, 23-01- 2015
- [5] International Conference CYBERMATICS-2016, 23/02/2016
- [6] International Conference on Mathematics and Computer Science 15/12/2016 to 17/12/2016.
- [7] International Conference on Recent Trends In Graph Theory, 20/02/2019.
- [8] Workshop on Photography in Graphic Designing, 29.08.2019
- [9] One day National Seminar on Current Tenors in Graph Theory, 11.01.2020  
Health and Hope during COVID-19 , 30/04/2021
- [10] Workshop on Entrepreneurship Skills– ‘Aari Embroidery’, 15.02.2023
- [11] LATEX on 14.12.2023
- [12] Mastering Big Data in Mathematics, 19.02.2025

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

- [1] Guest Lecture on Statistics using R Tools, Department of BCom with Business Analytics on 09.01.2026.

**BOOK PUBLICATIONS:**

- [1] MCQs on Mathematics for Management, 978-81-983219-9-2, 2024
- [2] Lecture Notes on Basics of Matlab, 9789334221435,2024-2025
- [3] R Programming Essentials : A Beginner’s Guide, 9788199370784, 2025-2026

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