

**FACULTY PROFILE**

Name	Dr. Beena Koshy
Designation	Assistant Professor
Department	Mathematics

PERSONAL VISION AND MISSION

To empower students to become confident, critical thinkers and problem-solvers; equip them with a deep understanding of mathematical concepts and make a positive impact in their communities.

PERSONAL DETAILS

Date of entry into permanent service	06/07/2011
Total teaching experience	14years, 4 months
Age and Date of Birth	41 years, 20/01/1984
Residential Address	Parakkattu House, Thengumkavu P.O., Mallassery, Pathanamthitta- 689645
Address for Correspondence	Parakkattu House, Thengumkavu P.O., Mallassery, Pathanamthitta- 689645
Mobile / Whatsapp Number	8547435579
E-mail (Personal and Official)	beenakoshy84@gmail.com



ACADEMIC QUALIFICATIONS

Degree	Subject	Institution and University	Grade/ Rank etc.
UG	Mathematics	Catholicate College, Pathanamthitta	98%
PG	Mathematics	University of Kerala, Kariavattom Campus,	88%
Ph D	Mathematics	Kannur University	
NET	Mathematics		Rank-19
B.Ed.	Mathematics	Kerala University	72%

COLLEGE LEVEL DUTIES / MAJOR CHARGES

Duty	Position	Duration
College Admission Committee	Member	2016- 2024
Research Development Committee	Member	2022-2024
AISHE	Convenor	2023,2024,2025
Catholicate College Employees Cooperative Bank	Member	2022-27
NAAC Steering Committee	Member	2023,2024,2025
Net Coaching Committee	Member	2018
NAAC(4 th Cycle) Uploading Committee Co-ordinator	Co-ordinator	2023
IQAC	Member	2024,2025
Research Advisory Committee	Member	2024
College Canteen Committee	Member	2024,2025
MGU-UGP College level committee	member	2024,2025



INSPIRE scholarship portal	Checker	2024,25
UGC Scholarship portal	Maker	2023,2024,2025

POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS

Name	Details
Research Guide(MG University)	Order No. 4637/AC A 6/2020/MGU dated 09-10-2020
Question Paper Setter	Kerala University, CMS College, Kottayam, S B College, Changanacherry, SH College, Thevara, SH College, Devagiri

RESEARCH AND CONSULTANCY

Year of Award of Ph.D.	2012
No. of Publications	9
No. of papers presented in Conferences, Seminars, Workshops and Symposia	8
Year of Award of Research Guideship	2020
No. of Ph.Ds produced	-
No. of Ph.D. students currently registered	4
No. of Major Research Projects awarded/completed	-
No. of Minor Research Projects awarded/completed	1
Total amount of research grant awarded	2,00,000/-

RESEARCH PROJECTS

Name	Details	Amount
UGC Minor Project	STUDY ON CDPUS SETS AND ITS APPLICATIONS MRP(S)-0776/13-14/KLMG016/UGC-SWRO dated 15 Feb 2014	2,00,000/-



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PUBLICATIONS AND PRESENTATIONS

International/ National Publications	• Independent Complementary Distance Pattern Uniform Graphs, International Journal of Mathematical Combinatorics, Vol.4 ,63-74, 2009. • M-Complementary Distance Uniform Matrix of a Graph ,International Mathematical Forum, Vol.5, 2010 • k-Transitive Digraphs and Topologies ,International Mathematical Forum, 2010 • Complementary Distance Pattern Uniform Graphs, International Journal of Contemporary Mathematical Sciences, Vol. 5, 2010 • New Perspectives on CDPU Graphs General Mathematics Notes, 2011 • A Creative Survey on Complementary Distance Pattern Uniform Sets of Vertices In a Graph , Journal of Combinatorics ,Information and System Science(JCISS) ;- Vol.37, 2012 • Weiner Index of a vertex with respect to a CDPU set, Global Journal of Pure and Applied Mathematics, 16(3),395-401,2021 • CDPU Hypergraphs, International Journal of mathematics Trends and Technology, 66(5), 150-154,2021 • Estimation of Graph parameters using Graph Convolutional Neural Networks, IEEE Recent Advances in Intelligent Computational Systems 2024
Proceedings of international/ National symposiums	• Complementary Distance Pattern Uniform Graphs-II , Proceedings of National Seminar on Discrete Mathematics and its Applications, PG Department of Mathematics, Govt. Brennen College, Thalassery , 2009 • Feature Extraction on Character Recognition of Roman Numerals- A Graph Theory Application , Proceedings of National Symposium on Mathematical Methods and Applications, IIT Madras,22 December,2009. • Complementary Distance Pattern Uniform Graphs ,National workshop on Graph Theory Applied to Chemistry , CMS, Pala, 1-3 February, 2010 • Distance Pattern Segregated Graphs , Proceedings of the International Conference on Mathematics and Computer Science, Department of Mathematics, Loyola College, Chennai, 5-6 February 2010. • Application of Complementary Distance Pattern Uniform sets on Data Structures ,Proceedings of 24th Kerala Science Congress-2012,Rubber Research Institute of India,Kottayam,29-31 Jan ,2012.



	- Complementary Distance Pattern Uniform number of a graph , Proceedings of National Symposium on Mathematical Methods and Applications, IIT Madras,2012,December 22,2012. - ESTIMATION OF CDPU NUMBER USING GRAPH NEURAL NETWORKS, Proceedings of 35th Kerala Science Congress, 10-14 February 2023
Paper Presentations (International/ National)	- Complementary Distance Pattern Uniform Graphs-II , Proceedings of National Seminar on Discrete Mathematics and its Applications, PG Department of Mathematics, Govt. Brennen College, Thalassery , 2009 - Feature Extraction on Character Recognition of Roman Numerals- A Graph Theory Application , Proceedings of National Symposium on Mathematical Methods and Applications, IIT Madras,22 December,2009. - Complementary Distance Pattern Uniform Graphs , Extended Abstract in the National workshop on Graph Theory Applied to Chemistry , CMS, Pala, 1-3 February, 2010 - Distance Pattern Segregated Graphs , Proceedings of the International Conference on Mathematics and Computer Science, Department of Mathematics, Loyola College, Chennai, 5-6 February 2010. - Application of Complementary Distance Pattern Uniform sets on Data Structures ,Proceedings of 24th Kerala Science Congress-2012,Rubber Research Institute of India,Kottayam,29-31 Jan ,2012. - Complementary Distance Pattern Uniform number of a graph , Proceedings of National Symposium on Mathematical Methods and Applications, IIT Madras,2012,December 22,2012.

WORKSHOPS /SEMINARS/ CONFERENCES ORGANISED

Position	Details
Co-ordinator	- Webinar on Human Rights, 17th and 18th November 2020. - Webinar on Human Rights, 1st and 2nd October 2021. - National Science Day Celebrations 2020 - All Kerala Mathematics Talent Search Quiz Competition 2019 - Regional Seminar on Doing math with Python,2021 - Pi Day Celebrations 2022 - Deeksharambh, Orientation programme for FYUGP, 2024 - Deeksharambh, Orientation programme for FYUGP, 2025

WORKSHOPS /FDP/ORIENTATION/REFRESHERCOURSES ATTENDED

Name	Details



One week online Faculty Development Programme	• Refresher Course in Mathematics at the UGC-Academic staff college, Thiruvavanthapuram from 17-09-2014 to 07-10-2014. • Orientation Course at the UGC-Academic staff college, Thiruvavanthapuram • 7 Days National Faculty Development Programme On Time Series and Panel Data Analysis(20th - 26th July, 2020), <i>Teaching Learning Centre Ramanujan College(University of Delhi)</i> • Faculty Development Programme from 2020-08-17 to 2020-08-21 on LaTeX organized by Mar Thoma College,Tiruvalla with course material provided by Spoken Tutorial Project, IIT Bombay. • One week International FDP on Avant Grade trends in mathematics organized by Bannari Amman Institute of Technology from 17-23 June 2020 • Workshop on Mathematical Analysis (MATANA 2020), organized by Loyola College, Chennai from 8th to 13th June 2020. • ONLINE ONE WEEK INTER- DISCIPLINARY FACULTY DEVELOPMENT PROGRAMME “YOUTH & CLIMATE CHANGE” from 27th October – 3rd November 2021 Teaching Learning Centre, Ramanujan College University of Delhi In Collaboration with Bhaskaracharya College Of Applied Sciences, University Of Delhi & Catholicate College Postgraduate & Research Department of Botany • NEP 2020 Orientation and Sensitization Programme organized by UGC-MMTTP , University of Delhi from 6th Januray 2025 to 15th January 2025
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Name and Signature of Teacher with date