



FACULTY PROFILE

Name	PROF.(DR.) RENNY P VARGHESE
Designation	PROFESSOR and PRINCIPAL
Department	MATHEMATICS

PERSONAL VISION AND MISSION

Vision

To provide an environment where students can learn, become competent users of mathematics, and understand the use of mathematics in other disciplines.

Mission

To emerge as a global centre of learning, academic excellence, and innovative research.

PERSONAL DETAILS

Date of entry into permanent service	24 – 01 – 1996
Total teaching experience as on 24 December 2022	28 YEARS
Age and Date of Birth	51 YEARS, 31 – 05 – 1972
Residential Address	PUTHEN BUNGLOW KAIPATTOOR P O, PATHANAMTHITTA KERALA, INDIA
Address for Correspondence	Same as Above
Mobile / Whats app Number	+91 9447455144
E-mail (Personal and Official)	rennypv1@gmail.com drrenny@kgcollege.ac.in



ACADEMIC QUALIFICATIONS			
Degree	Subject	Institution and University	Grade/ Rank etc.
UG	MATHEMATICS	CATHOLICATE COLLEGE, PATHANAMTHITTA M G UNIVERSITY, KOTTAYAM	DISTINCTION 98.8%
PG	MATHEMATICS	COCHIN UNIVERSITY OF SCIENCE & TECHNOLOGY, COCHIN	II RANK
PG	MANAGEMENT	SIKKIM MANIPAL UNIVERSITY	B
PG	POLITICAL SCIENCE	SMU	C
Ph D	MATHEMATICS	MG UNIVERSITY, KOTTAYAM	
PGDDE	DISTANCE EDUCATION	IGNOU, NEW DELHI	B
UGC JRF	MATHEMATICS	UGC	NET, JRF

COLLEGE LEVEL DUTIES / MAJOR CHARGES

Duty	Position	Duration
PRINCIPAL	KURIAKOSE GREGORIOS COLLEGE, PAMPADY	04.10.2023 – Till date
IQAC	COORDINATOR, Catholicate College, Pathanamthitta	01.04.2021- 03.10.2024
HOD	Department of Mathematics, Catholicate College, Pathanamthitta	01.04.2017 – 03.10.2024
College Council	Secretary, Catholicate College, Pathanamthitta	01.06.2022 – 31.05.2023
IGNOU	Coordinator, SC – 1404, Catholicate College, Pathanamthitta	01.01.2018 – 03.10.2024
SERVICE CELL	Convenor, Catholicate College, Pathanamthitta	01.04.2021 – 03.10.2024



Minority Cell	Convenor, Catholicate College, Pathanamthitta	01.04.2021 – 03.10.2024
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POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS		
Name	Details	Duration
SENATE	Member, MG University, Kottayam	2010 – 2015
Board of Studies Member	UG Board of Studies , M G University	2009- 2014
Board of Studies Member	PG Board of Studies , M G University	2017-2021
Academic Council Member	CMS College, Kottayam	2016-2022
Question Paper Setter	MG university, Kottayam (M Sc Mathematics)	
Question Paper Setter	S B College, Changanacherry	
Question Paper Setter	Assumption College, Changanacherry	
Reviewer	AIMS Mathematics	

RESEARCH AND CONSULTANCY

Year of Award of Ph.D.	2020
No. of Publications	16
No. of papers presented in Conferences in Abroad	6
No. of papers presented in Conferences, Seminars, Workshops and Symposia (Within India)	3

PUBLICATIONS AND PRESENTATIONS



International/ National Publications	<ul style="list-style-type: none"> • Renny P Varghese, K Reji Kumar, 2016. Spectra of a new join of two graphs, <i>Advances in Theoretical and Applied Mathematics</i>. 11(4) : 459 – 470 • Renny P Varghese, Sussha D, 2017. Spectra of some new product of graphs and its applications. <i>Global Journal of Pure and Applied Mathematics</i>. 13 (9) : 4493 – 4504. • Renny P Varghese, Sussha D, 2017. The spectrum of two new corona of graphs and its applications. <i>International Journal of Mathematics and its Applications</i>. 5 (4-C) : 395 – 406. • Renny P Varghese, Sussha D, 2017. Vertex distance complement spectra of regular graphs and its line graphs. <i>International Journal of Applied Mathematical Analysis and Applications</i>. 12 (2) : 221 – 231. • K Reji Kumar, Renny P Varghese, 2017. Spectrum of (k, r) – regular hypergraphs. <i>International Journal of Mathematical Combinatorics</i>. 2 : 52 – 59. • Renny P Varghese, Sussha D, 2018. Vertex distance complement spectra of some graphs. <i>Annals of Pure and Applied Mathematics</i>. 16(1) : 69 – 80. • Renny P Varghese, Sussha D, 2018. The spectrum of duplication corresponding corona of graphs. <i>Bullatein of Kerala Mathematics Association</i>. 15 (2) : 161 – 168. • K. Reji Kumar, Renny P Varghese, 2018. Spectra of a new join in duplication graph. <i>International Journal of Mathematical Combinatorics</i>. 4, 53 – 64. • Renny P Varghese, D. Sussha, 2019. Second stage spectrum of some non – regular graphs. <i>Far East Journal of Mathematical Sciences</i>. 114(1) : 39 – 54. • Renny P Varghese, Sussha D, 2020. On the normalized Laplacian spectrum of some graphs. <i>Kragujevac Journal of Mathematics</i>. 44 (3) : 431 – 442. • Renny P Varghese, On the spectra of a new duplication based corona of graphs, 2020. <i>Notes on Number Theory and Discrete Mathematics</i>, 11(1), 208 – 220. • Renny P Varghese et. al. , Eulers equations of motion by using interval function, <i>Turkish Journal of Computer and Mathematics Education</i>, 12(7), (2021), 2218-2225. • Renny P Varghese, On the spectra of a new class of graphs, <i>EURAS Journal of Engineering and Applied Sciences</i>, 1(2), 2021, 113 – 121. DOI: 10.17932/EJEAS.2021.024/2021.102
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	<ul style="list-style-type: none"> • Renny P Varghese, Factors affecting the Managerial efficiency of supervisory staffs of Neopack, Commerce and Management Explorer, 3(2), (2013), 385 – 390. • Renny P Varghese, Second stage spectrum of corona of graphs, 2022. Discrete Mathematics, Algorithm and Applications (Published online).
Chapters in Books	<ul style="list-style-type: none"> • Spectra of SD – Vertex corona of graphs, Science Technology and Innovation
Proceedings of international/ National symposiums	<ul style="list-style-type: none"> • Spectra of a New Join of Two Graphs, pp.222-229 ISBN 978-93-85977-21-3, National Institute of Technology, Trichy • Analysis and its Applications, ISBN 978-81-925047-0-4, Department of Mathematics, Catholicate College, Pathanamthitta.
Paper Presentations (International Abroad)	<ul style="list-style-type: none"> • Globalization of Business practice; Issues and Challenges, Help University, Kuala Lumpur, Malaysia, 23-26 January 2015 • Spectrum of some non-regular graphs, Lyceum of Philippines University, Manila, Philippines, 2-4 February 2017. • On the spectral characterization of Pineapple graph, Pegasus International College, Da Nang, Vietnam, 25 – 27 January 2018. • Spectrum of graphs and applications, National Kaohsiung University of Science and Technology, Taiwan, 17 – 19 January 2020. • On the spectrum of a new class of graphs, Istanbul Aydin University, Istanbul, TURKEY, 23 – 24 June 2022. • On the spectra of a special corona of graphs, Istanbul Gedik University, Istanbul, Turkey, May 06-08, 2022.
Paper Presentations (International/ National)	<ul style="list-style-type: none"> • The spectrum of duplication vertex corona of graphs, Alagappa University, Karikudi, 20 – 22 February 2017. (International) • The spectrum of duplication corresponding corona of graphs, Amal Jyothy College of Engineering, Kanjirappally, Kerala, 9-11 November 2017. (National) • On the spectra of pineapple graphs, BK Birla Institute of Engineering and Technology, Pilani, 19 – 21, March 2021.
Invited Talk	<ul style="list-style-type: none"> • Restructuring undergraduate education, NSS Hindu Collehe, Changanacherry, 10 September 2009. • Restructuring undergraduate education, BAM College, Thuruthicad, 17 September 2009. • Restructuring undergraduate education, Catholicate College, Pathanamthitta, 24 October 2009. • Applications of Mathematics in Real Life, St. Stephen’s College,



	<p>Pathanapuram, 15 October 2019.</p> <ul style="list-style-type: none"> ● Applications of Calculus, Samagra Siksha Kerala, BRC Konni, 19 November 2020. ● Journey Through Mathematics, Samagra Shikha and Collegiate Education, 27 January 2018. ● Applications of Algebraic Graph Theory, SVR NSS College, Vazhoor, 13 October 2020. ● Mathematics in Real Life, St. Aloysius College, Edathua, 8 October 2020. ● Why Mathematics ?, Catholicate College, Pathanamthitta, ● Mathematics Everywhere?, SAS SNDP Yogam College, Konni, 10 November 2022.
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WORKSHOPS /SEMINARS/ CONFERENCES ORGANISED (2021 ONWARDS)

Position	Details
Coordinator/Convenor	<ul style="list-style-type: none"> ● Orientation Programme for 2nd and 5th semester students of catholicate college on 21 – 06 – 2021 ● One day Orientation Programme on NAAC Re accreditation 4th cycle organized by IQAC on 12 – 10 – 2021 ● One day Orientation Programme for Administrative staffs organized by IQAC on 19 – 11 – 2021 ● One day Seminar on scholarly Publishing and IPR in Higher Education organized by IQAC on 21 – 12 – 2021 ● Two day workshop on Outcome based education organized by IQAC in collaboration with KSHEC and MG University, Kottayam from 20 – 21 May 2022 ● One day Orientation Programme on NAAC Re accreditation 4th cycle organized by IQAC on 08 – 07 – 2022 ● National Workshop on “Recent trends in Discrete Mathematics” sponsored by DSS, MG University Kottayam from 19 – 21 December 2022


WORKSHOPS /FDP/ORIENTATION/REFRESHERCOURSES ATTENDED (2006 ONWARDS)

No	Theme	Dept/University	Date
1	5 – day workshop on Restructuring the curriculum of B Sc mathematics (CBCSS)	MG University Kottayam (UG BOS)	14-15, 20-22 May 2009
2	2- day workshop for setting modal question paper for B Sc Mathematics (CBCSS)	SH College Thevara (BOS Mathematics)	13-14 August 2009
3	2 – day workshop on Restructuring the curriculum of B Sc mathematics (CBCSS)	MG University (CMS College Kottayam)	28-29 July 2011
4	3 – day workshop on Restructuring the curriculum of M Sc mathematics (PGCS)	MG University CMS college Kottayam	15-17 December 2011
5	1 – day workshop on Restructuring the curriculum of B Sc mathematics (CBCSS)	MG University BCM College Kottayam	12 April 2017
6	Teachers enrichment workshop on Advanced Linear Algebra and Multivariate Calculus	TIFR/IIT Bombay Marthoma College Thiruvalla	2-7 April 2018
7	1 day - Workshop on Intellectual Property Rights	Patent information centre, Kerala KSCSTE SB College Changanacherry	8 April 2014
8	2-day workshop on UG syllabus Restructuring	SH College Thevara	16-17 November 2006
9	FDP Programme on Discrete Mathematics, Graph Theory and its Applications	IQAC Universal Engineering College, Thrissur	17-21 August 2020
10	Spoken tutorial Python Course training	IIT Bombay	3-12 March 2021
11	One Week Online National Faculty Development Program on E-Contents and	RCP Universe group of Institutions, ROORKEE	1-7 May 2021



	ICT Tools for Innovative Teaching & Learning		
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MEMBERSHIP IN PROFESSIONAL BODIES

- KERALA MATHEMATICAL ASSOCIATION
- RAMANUJAM MATHEMATICAL SOCIETY

ANY OTHER RELEVANT INFORMATION

- **Subject Expert (Interview)**, Kerala Public Service Commission (KPSC) since 2018.
- **Observer**, Kerala Entrance Examination for Engineering and Medical Examination, Government of Kerala, since 2011.
- **Academic Counsellor for Mathematics and Management**, Indira Gandhi National Open University, New Delhi.
- **Member, Board of Question Setters for M. Sc, Mathematics Examination**, SB College (Autonomous), Changanasserry, 2016.
- **Question Paper Setter for M. Sc, Mathematics Examination (First and Third semester)**, M G University Kottayam, 2019- 2020.
- **Programme Officer, Unit 10**, National Service Scheme (NSS), Catholicate College, Pathanamthitta, Kerala, India for three years (2000-2003).

Important Positions held in University level

- Elected member of **SENATE** MG University during 2010 – 2014.
- Member **Board of Studies PG** (Mathematics) M.G. University, Kottayam during 2017 – 2021.
- Member **Board of Studies UG** (Mathematics) M.G. University, Kottayam during 2009 – 2012.
- Member **Examination Vigilance Squad**, M.G. University, Kottayam during 2010 - 2011.



- Member **Academic Council** (University nominee) of CMS college (Autonomous) 2015-2020.
- **Deputy Chairman** in B Sc. Mathematics (CV Camp) at Kozhencherry Zone from 2019 -2020.
- **Chairman** in M Sc. Mathematics (Semester I and II) 2021 onwards.

Other Positions Held

- Coordinator, IGNOU SC – 1404, Catholicate College, Pathanamthitta.
- Counsellor of IGNOU for B Sc, MEC & MBA programmes.
- President Pathanamthitta district Baseball Association 2016-2021.
- Life Member of YMCA Kaipattoor.
- Life member 'Vallathol Vayanasala' Kaipattoor.
- Vice President St. Basil association during 2000 – 2001 and 2011 - 2012.
- Secretary, Pathanamthitta District Soft Ball association during 2001 – 2003.
- Treasurer, Pathanamthitta District Soft Ball Association from 2004 – 2008.
- Governing Body Member St. Gregorius English Medium School, Kaipattoor, Pathanamthitta, Kerala. (Affiliated to CBSE, Delhi No. 930411) during 2004 – 2007.
- Secretary, Thumpamon district Sunday school Association (2010-2020).

Extension activities

- Exhibition Gregorian Expo 2013, a multi-disciplinary exhibition conducted by St. Gregorios Senior Secondary School Kaipattoor on 4-5 January 2013.
- Executive committee member of Kerala Science congress held at Mar Thoma College Thiruvalla on 28-30 January 2017.
- Stage manager, MG university youth festival on 20-24 February 2017 at Kozhencherry.
- Judge for district exhibition (Trivandrum, Kollam, Pathanamthitta and Allappuzha) of **INSPIRE AWARD MANAK**, conducted by public education department at MGM Higher secondary school, Thiruvalla on 27th December 2019.
- Organizing committee member of Gregorian Expo 2019, a multi-disciplinary exhibition conducted by St. Gregorios Senior Secondary School Kaipattoor on 21st and 22nd November 2019.



- Stage Coordinator, MG university youth festival on 01-04 April 2022 at Pathanamthitta.