

Name with designation : Dr. Ursala Paul
Assistant Professor
Official Address : Assistant Professor
Department of Mathematics
St. Teresa's College, (Autonomous)Ernakulam

I. Personal Details:

1. Age & Date of Birth : 40 yrs. 27.05.1981
2. Place of Birth : Kuzhupilly
3. Nationality : Indian
4. Marital Status : Married
5. Designation : Assistant Professor
6. Department : Department of Mathematics
7. Area of Specialization : Fuzzy Mathematics
8. Date of Appointment :-
 - a) In the Institution : 02-02-2011
 - b) In the Present Post : 02-02-2011

II. EDUCATIONAL QUALIFICATIONS:-

Sl.No	Degree	Subject	University	Year Of Passing	Percentage/Grade
1	B.Sc	Mathematics	Calicut University	2002	97.1%
2	M.Sc	Mathematics	M.G. University	2004	86 %
3	B.Ed	Mathematics	M.G. University	2005	69%
4	SET	Mathematics		2007	
5	CSIR-NET	Mathematics		2010	
6	PhD	Mathematics	M.G. University	2019	

III. TEACHING EXPERIENCE

Class	Subjects taught	Years of Experience
B.Sc	Fuzzy Mathematics, Graph Theory, Differential and Integral Calculus, Trigonometry, Cryptography, Algebra	10 years

IV. Ph.D PROGRAMME DETAILS

Centre of Research for Ph.D program:

Centre for Post Graduate Studies and Research,

Department of Mathematics,
Bharata Mata College,
Thrikkakara, Ernakulam.

Research Guide:

Dr. Paul Isaac,

Associate Professor,
Department of Mathematics
Bharata Mata College,
Thrikkakara, Ernakulam .

Area of Research:

Application of Fuzzy sets and Rough sets in Algebra.

V. PARTICIPATION IN FACULTY IMPROVEMENT PROGRAMME:-

i) Professional Training

Sl No.	Refresher/ Orientation Course	Organizing Agency	Sponsoring Agency	Duration & Date
1	Orientation Course	Academic Staff College, Kerala University, Thiruvananthapuram	UGC	30/1/2014 to 26/2/2014 (28 days).
2	Refresher Course	Academic Staff College, Kerala University, Thiruvananthapuram	UGC	4/8/2015 to 24/8/2015 (21 days)
3	FDP on Managing Online Classes and Co-Creating MOOCS:2.0	Teaching Learning Centre, Ramanujan College, University of Delhi	PMMMNTT, Ministry of Education	18/5/2020 to 3/6/2020 (14 days)
4	FDP on Capacity Building in drafted proposals for funded research	St. Teresa's College, Ernakulam	PMMMNTT, Ministry of Education	05/10/2020 to 11/10/2021 (7 days)
5	FDP on Entrepreneurship and Innovation	Symbiosis, Pune	DST, Govt. of India	26/02/2021 to 11/3/2021 (14 days)
6	Refresher course in MATHEMATICS	Teaching Learning Centre, Ramanujan College, University of Delhi	PMMMNTT, Ministry of Education	16/03/2021 to 30/3/2021 (14 days)

ii) Other Training Programme (Seminars/ Workshops) attended

Topic	Organizing	Sponsoring Agency	Date	Status
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	Agency			
Moodle site creation	Marian College Kuttikanam		06-04-2020 to 11-04-2020	State
Video Content Creation	Marian College Kuttikanam		22-03-2020 to 24-03-2020	State
Techno- Pedagogy and Learning Management System	IQAC		28/9/2018 to 29/9/2018	Regional
Outcome Based Education	Association of Self-Financing Arts, Science & Management Colleges of Tamilnadu	AVANTEACH	27/7/2018 to 28/7/2018	State
Indian Women and Mathematics: Regional Workshop on Research and Opportunities	Dept of Mathematics, CUSAT	National Board for Higher Mathematics, DAE, Govt. of India	2/1/2018 to 3/1/2018	Regional
Mathematics for Computer Science	Dept of Basic Sciences, Amal Jyothi College of Engineering and KMA		9/11/2017 to 11/11/2017	National
Analysis and Topology	Dept of Mathematics (Aquinas College Edakochi) and Kerala Mathematical Association	Kerala Mathematical Association	16/9/2017	National
Analysis and Algebra	Dept of Mathematics and Statistics (St. Teresa's College) and Kerala Mathematical Association	Kerala Mathematical Association	26/8/2017	National
Fourth Industrial Revolution: Promises and Perils of Next Gen. Transformation	ICT Academy of Kerala International Conclave	ICT Academy of Kerala	22/6/2017 to 23/6/2017	International
Faculty Enrichment Programme on Mathematical Softwares	Department of Mathematics, Statistics & Computer Applications (St. Teresa's College)		20/10/2015	Regional
Legal and Administrative	Institute of Management	Government of India	16/3/2015 to	State

Mechanism for combating violence against women and children	in Government Kakkanad		18/3/2015	
Human Rights and Gender Issues- Towards Pragmatic Solutions	Dept of Sociology St.Teresa's College	UGC	11/2/2015 to 12/2/2015	National
International Seminar on Analysis and Applications & Dr.T.Thrivikraman Endowment Lecture	Department of Mathematics , St. Teresa's College, Ernakulam,	KMA, Department of Mathematics , St. Teresa's College, Ernakulam,.	9/2/2015	International
Workshop for Coordinators & Internal Mentors of Walk With A Scholar Programme	Coordinator and Internal Mentors of WWS Programme ,St.Teresa's College	The Office of New Initiatives in Higher Education ,Directorate of Collegiate Education, Govt of Kerala	13/10/2014	State
Workshop on Curriculum and Syllabus Restructuring	The Internal Quality Assurance Cell, St. Teresa's college , Ernakulam	St. Teresa's college , Ernakulam	9/12/2014 to 10/12/2014	Regional
Conference On Recent Trends In Applicable Mathematics	Mathematics Department Bharata Mata College Thrikkakara	UGC	18/9/2014 to 20/09/2014	National
Principles of SPSS	Mathematics Dept St.Albert's College Ernakulam	St.Albert's College Ernakulam	8/7/2014	Regional
Dr. T Thrivikraman Endowment Lecture	Department of Mathematics , St. Teresa's College, Ernakulam,	KMA, Department of Mathematics , St. Teresa's College, Ernakulam,.	25/1/2014	National
Science Sans Borders	Science Departments Maharaja's College Ernakulam	Maharaja's College	7/11/13 to 8/11/13	National
Equipping New Era Practitioners:- Teaching , Learning and Evaluation	IQAC St. Teresa's College, Ernakulam,	NAAC	20/6/13 to 21/6/13	National
Art, Fashion ,Language and Culture	Women's Study Centre St. Teresa's College ,	St. Teresa's College , Ernakulam	28/1/13 to 29/1/13	International

	Ernakulam			
Modern Trends In Research	Teresian Research and Consultancy Cell St. Teresa's College , Ernakulam	UGC	5/12/12	National
Seminar on 'Intellectual Property Rights- Concepts, Policies and Guidelines	St. Teresa's college , Ernakulam	St. Teresa's college , Ernakulam & Patent Information Centre-Kerala/KSCSTE	11/7/2012	State
One Day Seminar on "Fuzzy Mathematics, Near Sets and Cryptography"	Department of Mathematics , St. Teresa's College, Ernakulam,	KMA, Department of Mathematics , St. Teresa's College, Ernakulam,.	23/6/12	Regional
Visual Arts-New Approaches	Malayalam Dept St. Teresa's college , Ernakulam	UGC	1/2/2012 to 3/2/2012	National
Introduction to Cryptography and Graph Theory	Mathematics Dept The Cochin College	The Cluster of Colleges and KMA	8/12/2011	Regional
National Seminar on Best Practices in Research and Consultancy: Opportunities and Challenges	The Internal Quality Assurance Cell, St. Teresa's college , Ernakulam	St. Teresa's college , Ernakulam	20/10/2011	National
Algebra –Scope and Applications	Dept. of Mathematics St.Paul's College Kalamassery	UGC	13/10/2011 to 14/10/2011	National
Introduction to MATLAB and Simulink	Dept. of Physics & Dept. of Mathematics St. Teresa's College, Ernakulam	St. Teresa's College, Ernakulam	8/8/2011	National
Challenges in Nano	Dept. of Chemistry	St. Teresa's College,	28/7/2011 to	National

Science and Technology	St. Teresa's College, Ernakulam	Ernakulam	29/7/2011	
One Day Seminar on Some issues in Data Communications & Rough Sets	Dept. of Mathematics, St. Teresa's College, Ernakulam	KMA, Department of Mathematics, St. Teresa's College, Ernakulam,.	June 25th, 2011	Regional

VI. Seminars Organized

- On 8/8/11 an intercollegiate one day technical session on “MATLAB and Simulink” jointly organized by the Department of Mathematics and Physics.
- Regional Level Seminar on Some Issues on Data Communication, Rough sets and its application organized by Department of Mathematics, St.Teresa's College in association with KMA on 25th June 2011.
- Organized the Regional Level Seminar on Fuzzy Mathematics, Near sets and Cryptography organized by Department of Mathematics, St.Teresa's College in association with KMA on 23rd June 2012.
- Workshop for Coordinators and Internal Mentors of WWS organized by the Office of New Initiatives in Higher Education in association with St.Teresa's College Ernakulam on 13/10/2014
- Faculty Enrichment Programme on Mathematical Softwares organized by the Departments of Mathematics and Computer Applications in association with the Department of Mathematics, CUSAT on 20/10/2015.

VII. Contribution to curriculum development, implementation & evaluation

- Participated in the Syllabus Restructuring of UG Mathematics Board of Studies of St. Teresa's College (Autonomous), Ernakulam.
- Life Member of Kerala Mathematical Association.
- Undertook all the invigilation and examination duties assigned for each academic year.

VIII. Participation in Student Welfare Activities & Enrichment of Campus Life

- Class in Charge of Third years 2020-21
- Innovation Activity Coordinator 2019-21
- Admission Committee Member 2018-21
- Staff in Charge of Maths Association 2019-2020
- Internal Mentor of Walk With Scholar Programme 2018-19
- Counselling Cell Teacher in Charge 2018-19
- Class in charge of second years 2018-19
- Staff Executive member 2018-19
- Internal Mentor of Walk With Scholar Programme 2014-15
- Member of Examination Cell 2014-15
- Member of UGC Cell 2013-14, 2015-16
- Staff Advisor of Writers Forum 2014-15
- Staff Advisor of Mathematics Association 2011-12
- Class in Charge Of final years, 2013-2014,2014-2015

- Class in charge of second years 2012-2013

IX. Research Publications

- Rough G-modules and their properties, *Advances in Fuzzy Mathematics*, 2017, 12(1), 93-100.
- Roughness in G-modules, *Global Journal of Pure and Applied Mathematics*, 2017,13(9), 5469-5478.
- Rough fuzzy G -modules and their properties, *Bulletin of Kerala Mathematics Association*, 2017, 14(1), 13-23.
- Fuzzy rough G-modules, Convergence- International Journal of ICT Academy Kerala, 2017, 3(1), 17-19.
- An Introduction to Lattice Ordered G -modules, *Journal of Global Research in Mathematical Archives*, 2017,4(11), 76-82.
- Fuzzy lattice ordered G-modules, *International Journal of Fuzzy System Applications*, Volume 8, Issue 3, 2019, 94–107.
- An Introduction to Roughness in G-modules, *Bulletin of Kerala Mathematics Association*, 2018, 15 (1), 29-36.
- Introduction to Riesz IG-module, *Malaya Journal of Matematik*, Vol 8, No.2,561-564, 2020, 2319-3786.

X. Paper Presentations

- Fuzzy rough G-modules, ICSET 2017, ICT Academy of Kerala, Thiruvananthapuram,22-23 June 2017.
- An Introduction to Roughness in G-modules, National Seminar on Mathematics for Computer Science, Amal Jyothi College of Engineering, Kanjirapilly, 9-11 November 2017.

XI. Others

- Served as Presiding Officer for Assembly Elections April 2016
- Served as Presiding Officer for General Lok Sabha Elections April 2014
- Served as Presiding Officer for General Lok Sabha Elections April 2019
- Served as Presiding Officer for LBGB Elections December 2020
- Served as Presiding Officer (Reserve) for Assembly Elections April 2021
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