

Mrs.P.Rajeswari

Assistant Professor of
Mathematics

Qualification MSc., M.Phil., PGDCA, B.ED., (Ph.D.)

Experience : **Teaching:** 15

Research Area: Topology



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**Academic Qualifications**

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Mathematics	Anna University, Chennai.	pursuing
B.ED.,	Mathematics	RVS Educational Institutions	2008
M.Phil.	Mathematics	Madurai Kamaraj University	2005
MSC.	Mathematics	Annamalai University	2002
B.Sc.	Mathematics	D.R.B.C.C.C. Hindu College	2000

**Additional Qualifications**

Diploma Details	Area of Specialization	Institution / University/ Agency Name	Year
Diploma Courses	Post Graduate in Computer Applications	ICT, Chennai	1999
	Trigonometry and General studies	Alison - Capernaum Ltd	2022
	Diploma in Calculus	Euro Pe	2023



Online Certifications

Certification Details	Area of Specialization	Institution / University /Agency Name	Year
1	Numbers and sequence in mathematics	Alison	2020-2021
2	Engineering mathematics	Euro Pe	2020-2021
3	Fundamental of Statistics	Alison	2021-2022
4	Funzioni e Calculus,	Euro Pe	2021-2022
5.	Finance Mathematics	Alison	2021-2022
6	Differentiation & Function in Mathmatics	Alison	2021-2022
7	Probability & Statistics	Euro Pe	2021-2022
8	Triginometry for Engineering	Alison	2021-2022
9	Fundamentals of Statistics	Alison	2021-2022
10	Algebra in Mathematics	Alison	2021-2022



Academic Positions @ KPRCAS

- Assistant Professor –of Mathematics
- Member – NDLI club member,
- Cookery Club coordinator.



Significant Publications

National Journals

1. R.Parimelazhagan, Mrs.P.Rajeswari, Milbey Mathew “ **Separation axioms of am open sets.** International conference on Topology and its applications July 7-11, 2018, Nafpaktos Greece.
2. R.Ramesh, Rajeswari.P, Dr. Manikandan.R “Weighted K – Nearest Neighbour Based Trust model for uses Access Control in Cloud Computing.” Published on Inforkara Research, Volume9, issue 9, September 2020.
3. An Overview of Scheduling Algorithm in Hadoop Shodhsamhita : Journal of Fundamental & Comparative Research Vol. VIII, No. 1(X) : 2022 ISSN: 2277-7067.
4. .R..Prema , P.Rajeswari., .A.Shanthi “Scholarly Execution of understudies in Higher Education” published on NCIHEH – 22 ISBN : 978 – 93-95105 -04-0

National Conference

1. One-day National conference “Mathematical Modelling & Fuzzy Logic Applications “on 20-02-2016. RVS Technical Campus – Coimbatore.



Participation in Seminars

- National level seminar on “**Recent developments in Statistical Methods**” Department of Statistics, Government Arts College, on 2013 Coimbatore

Participation in Workshop

- National level workshop on “**Technical Communication for Science and Engineers**” at IIT Bombay on December 2013 –RVS College of Engineering.
- One-day National level workshop on “**LaTEX tool**” at RVS Technical Campus. - Coimbatore on 2016
- One-day National level workshop on “**R Software**” at RVS Technical Campus. - Coimbatore On 2016
- Two days’ National level workshops on “**R**” Language and environment for Statistical Computing and Graphics” at VFSTR, Andhra Pradesh.
- Three-day National level workshop on “**MATLAB for beginners**” at Shrimad Andaman Arts and Science College -Trichy on 2021

Participation in Faculty Development Programme

- Two days FDP on “**Quantitative data analysis using SPSS**” at Kumara guru College of Technology – Coimbatore on 2013.
- One day FDP on “**Values, Virtues for Teachers & The development of Teachers Characters**” at RVS College of Engineering and Technology – Coimbatore on 2015.
- Two days FDP on “**Applications of Transform in Biomedical Digital Signal Processing**” at RVS Technical Campus on 2016.
- Four days FDP on “**Applications of Mathematical Engineering** “ at KPRIET on 2020
- One day FDP on “**Step by Step in SPSS Process**” at Rathinam College of Arts & Science. On
- One day FDP on “**Bio Fluid Dynamics**” at RGM Engineering College on 2020
- Six-day Faculty development Programme on “**Mathematics and Statistics in Emerging Field**” KPRIET – Coimbatore
- Two days FDP on “**Differential Equations and Applications of Mathematics**” organized by Srinivasan College of Arts & Science, Perembalur. On 2021
- Six days Faculty development Programme on “**Travel Towards Methods in Higher Education**” organized by KPRCAS, Coimbatore,.
- Three days Faculty development Programme on “**MATLAB for Beginners**” organized by Srinivasan College of Arts & Science, Perembalur.
- **Digital Teaching Methods in Higher Education**” organized by PG & Research Department Commerce, Coimbatore.
- **Blended Learning Through E- Assessment Module**” organized by SRM Institute of Science and Technology, Ramapuram, Chennai. PG & Research Department Commerce, Coimbatore.



Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
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International Association of Engineers (IAENG)	Lifetime	-
Institute of Mathematical Statistics (IMS)	Annual	2022-23



Teaching: Subjects Taught

Statistics for management, Applied Operation Research, Mathematical foundation of computer Science, Engineering Mathematics – I, Engineering mathematics II, Transforms and partial Differential Equations, Statistics and Numerical methods, Resource Management Techniques, Introduction to Linear Algebra, Discrete Mathematics, Computer based Optimization Techniques, Business Mathematics, Mathematical Structures for Computer Science, Business Statistics- I, Business Statistics –II, Quantitative Techniques for Management.



Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Best Maths Teacher Award	Vande Matharam Mathematics Contest	2005-2006

Patents

S. No.	Title of the patent published	Published Date
1.	Kernel-Based Fuzzy Clustering For Segmentation And Boundary Detection Of Fatal Kidney Images	22/04/22
2.	Study on quality management practices in Logistics Industries, India.	11/11/2022



Programme conducted:

S. No.	Particulars	Title of the programme	Date of the programme organized
1.	Quiz Competition	Owizards - Online Quiz Competition	4/08/20
2.	Inauguration	Quiz Club Inauguration	16/10/20
3.	Guest Lecture	Guest lecture – Applications of Mathematics in Computer science	1/12/20
4.	NDLI Quiz	NDLI & School of Computing Science Jointly organizes Online quiz competition	18/12/20
5.	Magudam - Quiz	Qwizards – Quiz Competition	26/12/20
6.	Quiz Competition	Online Quiz Competition for First Year Students	26/4/21

7.	Guest lecture	Guest Lecture on Recurrence Relations on Computing Theory	26/4/21
8.	Guest Lecture	Organized Guest Lecture on Application of Graph theory in Computing Theory -	8/5/21
9.	Quiz Competition	Online Quiz competition for Second year students	08/05/21
10.	Quiz Competition	Math Online Quiz for School students	24/05/21 – 30/5/21
11.	Quiz Competition	Online Quiz Competition (Sports Quizophile 2021) for school students	12/10/21 – 21/10/21
12.	Ramanujam Day	R- Carnival Poster presentation for School students	17/12/21
13.	Cookery Club	Cookery Club – Drozyba, Fruits and Vegetables carving Competition.	21/12/21
14.	Cookery Club-Workshop	Cakey Bakey	19/3/22
15.	Career Guidance Programme	Carrer Guidance Programme on Professional Course	9/9/22
16.	Mathematics - Competition	Fun with Mathematics- Competition	15/9/22
17.	Extension Activity	Extension Activity- Magilchi Karunai Illam	01/10/22
18.	Cookery Club	No oil No Boil- Competition	08/10/22







Invited Speaker / Session Chair- Conference / Seminar / Workshop

- Resource Person, Knowledge Sharing Session Programme on Fourier Transofrms, Department of Mathematics KPR College Of Arts, Science and Research College, Coimbatore, 9-Aug-2021
- Resource Person, Guest lecture on Set Theory, Department of Commerce with CA KPR Arts, Science and research College, Coimbatore,
- Resource Person, Guest lecture on Statistics for Management, School of Management, Kathir College of Technology, Coimbatore.Oct 29



Academic Networks

	https://scholar.google.co.in/citations?user=3GweelgAAAAJ&hl=en
	https://orcid.org/0000-0002-0936-3751
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PERSONAL WEBSITE / BLOG (EDUCATION - SUPPORTED)	<u>Personal Website</u> Address