Name	**:**	**Dr.(Mrs.)S.Rajathi**
Gender	**:**	**Female**
Designation	**:**	**Assistant Professor**
Department	**:**	**Computer Science**

M.V.Muthiah Government Arts College for Women

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E-mail	**:**	**drsrajathi@gmail.com**
Phone no	**:**	**9486363429**
	:	**9486363429** **(whatsapp)**

Qualification :

Degree	Branch	Institution/University	Year of Passing	Gold Medal &Distinction
Ph.D	Computer Science	Bharathiar University, Coimbatore	2022	
M.Phil	Computer Science	Bharathidasan University, Trichy	2005	First Class
M.Sc / M.C.A	Computer Application	Bharathiar University,Coimbatore	1996	First Class
B.Sc	Computer Science	Sri Parasakthi College for Women, Courtallam.	1991	Distinction

Ph.D. Details

Title of Thesis Design And Evaluation of Data Mining in Cloud Computing for Bioinformatics Applications		Area of Specialization Data Mining, Bioinformatics
Research Supervisor	**Research Institution**	**Year of Award**
Dr.G.Radhamani	Bharathiar University	2022

Additional Qualification:

Name of the Course	Place of study	Date	Duration

Work Experience (Only UGC Pay Scale)

Name of Institution	Address of Institution	Designation	From	To
Govt. Arts College for Women	Ramanathapuram	Assistant Professor	09.07.2009	25.08.2010
M.V.M. Govt. Arts College for Women	Dindigul	Assistant Professor	26.08.2010	Till date

Teaching/Research Experience (Total Experience in UGC Pay Scale)

UG	PG	M.Phil	Ph.D
14 Years	12 Years	3 Years	-

Research Supervisor

Name of the University	No of Sanctioned students Uptake	Number of Students Registered	No of Scholar Completed VIVAVOCE	Vacancy

M.V.Muthiah Government Arts College for Women,Dindigul.

S.no	Table of Contents	* Total No
1	**Guidance Details:**	
	a) PG	40
	b) M.Phil.	6
	c) Ph.D.	
2	**Attended:**	
	a) Conferences	2
	b) Workshops	3
	c) Seminar	6
3	**Research paper Presented**	
	a) Conferences	2
	b) Workshops	
	c) Seminar	
4	**Publication in Journals**	6
5	**Books Published**	3
	Edited	NIL
6	**Organized:**	
	a) Conferences	1
	b) Workshops	3
	c) Seminar	2
7	**Research Projects**	
	a) Major	NIL
	b) Minor	NIL
8	**Resource Person**	
	a) Invited Talk	NIL
	b) Guest Speaker	NIL
9	**Awards Received**	NIL
10	**Patent**	3
11	**Extension activities Undertaken**	NIL
12	**Professional Membership**	NIL
	a) BOS Chairman	
	b) Academic council	

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13	Coordinator for Academic activities (Home Institution)	
14	Area of Interest (Academic)	Bioinformatics

*During academic career   till date

Note (in detail) : During academic career   till date

1) **Attach Paper Published in Journals**

2) **Attach Paper Published in Seminar / Conference / Workshop**

3) **Seminar / Conference / Workshop / Organized /Attended**

4) **Books published/Edited**

5) **Research Projects Amount sanctioned & other details**

6) **Resource Person (Date & Detail)**

7) **Awards**

8) **Patent**

9) **Extension Activities**

No.	Date	Name of the Seminar/Conference/Symposia Workshop, etc.,	Name of the Sponsoring Agency / Place
1	18.02.2016	International Seminar on Research Performance Analysis and Strategy	Bharathiar University, Coimbatore
2	21.01.2016 & 22.01.2016	Two Day National Seminar cum Workshop on IoT	Ayya Nadar Janaki Ammal College, Sivakasi
3	25.11.2015 & 26.11.2015	Two Day National Level Lecture Workshop on Internet of Things: A Research Perspective for a Smart Environment	Dr.G.R.Damodaran College of Science, Coimbatore
4	15.09.2015 & 16.09.2015	Two day National Level Workshop on Data Mining & Big Data Analytics	Nadar Saraswathi College of Engineering and Technology, Theni
5	20.01.2015	State Level Seminar on Applied Data Mining, 20th Jan. 2015.	UGC / Sri Meenakshi Govt. Arts College for Women, Madurai
6	18.10.2013	Workshop on Path to Excellence	Counseling Cell, MVM Govt. College for Women, Dindigul
7	9.11.2012 & 10.11.2012	Two Day National Seminar on Recent Trends in Information Technology and Animation, Visual Effects and Gaming	CIST, Mysore University, Mysore
8	6.1.2012 & 7.1.2012	International Conference on Recent Trends in Information Processing and Computing	Nadar Saraswathi College of Arts and Science, Theni
9	25.02.2011	National Conference on Emerging Computing Paradigms	UGC / M.V.Muthiah Govt. College for Women & Periyar University, Dindigul
10	23.3.2010	National Seminar on ICT in Curriculum Design & Planning at HEIs	Quaid-E-Millath Govt. College for Women, Chennai
11	10.3.2010	State Level Seminar on Web Engineering	UGC / Sri Meenakshi Govt. College for Women, Madurai

Publications in International Journals

1. Published a paper on "Design and Analysis of Class Based Associative Classification with ACO for the prediction of Rheumatic Heart Disease", in the International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.69, 2015, Research India Publications. (Scopus indexed)

2. Published a paper on "Prediction and Analysis of Rheumatic Heart Disease using KNN Classification with ACO", IEEE XPlore, 2016

3. Published a Paper on "Performance Analysis of Feature Selection and Feature Extraction Methods On Biomedical and Healthcare Data" , Springer Nature , ASCIS 2023, CCIS 2037, pp. 1–13, 2024. https://doi.org/10.1007/978-3-031-58604-0_34

4. Published a Paper on "Deep Learning Approaches for Liver Tumor Segmentation", Springer Nature, ASCIS 2023, CCIS 2037, pp. 1–17, 2024. https://doi.org/10.1007/978-3-031-58604-0_19

5. Published a paper on "IoT Based ECG to Grayscale Representation for the Prediction of Artery Deposition" , Springer Nature, ASCIS 2023, CCIS 2040, pp. 1–14, 2024. https://doi.org/10.1007/978-3-031-59107-5_8

6. Published a paper on "Classification Rule Mining for Biomedical and Healthcare data", Springer Nature, ASCIS 2023, CCIS 2037, pp. 1–13, 2024. https://doi.org/10.1007/978-3-031-59107-9_1

Publications in National and International Conferences

1. Published a paper on "Design and Analysis of Class Based Associative Classification with ACO for the prediction of Rheumatic Heart Disease", in the proceedings of International Conference on Computing Paradigms ICCP 2015, Integrated Intelligent Research (IIR), Yelagiri Hills.

2. Published a paper on "Prediction and Analysis of Rheumatic Heart Disease using KNN Classification with ACO", in the proceedings of the 2016 International Conference on Data Mining and Advanced Computing (SAPIENCE), Ernakulam, Kerala.

Presentations in National and International Conferences

1. Presented a paper on "Design and Analysis of Class Based Associative Classification with ACO for the prediction of Rheumatic Heart Disease", in the International Conference on Computing Paradigms ICCP 2015, Don Bosco College- Integrated Intelligent Research (IIR), Yelagiri Hills. 24th & 25th July, 2015.

2. Presented a paper on "Prediction and Analysis of Rheumatic Heart Disease using KNN Classification with ACO", in the 2016 International Conference on Data Mining and Advanced Computing (SAPIENCE), Sree Narayana Gurukulam College of Engineering, Kadaiyituppu, Ernakulam, Kerala, 16th – 18th March 2016.

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Patent Published

1. Patent Application No.202241000837 A ,Publication Date : 04/02/2022, " Deep learning based Artery Deposition Analysis using Segmentation and CNN Classification",1)Dr.C.P.Chandran 2)Mrs.S.Rajathi 3)Mrs.G.Pandiselvi.

2. Patent Application No.202241017101 A, Publication Date : 01/04/2022, "Artificial intelligence assisted healthcare chatbot system", 1)Dr.C.P.Chandran 2)Dr.S.Rajathi 3)Mr.P.Marimuktu.

3. Patent Design No. : 400158-001; Date : 18/11/2023; "Rapid Biosensor Medical Device For Tuberculosis Screening",1) Dr.S.Rajathi 2) Dr.C.Manekanda Siddharth 3) Dr.C.P.Chandran 4) Mrs.G.Pandiselvi 5) Mrs.D.Shashikala 6)Mr.M.Kasipandi 7) Mr. Venkata Bhujangarao Madamanchi.