

Name: Dr. M RAJA SEKAR
Designation: Professor
Department: Computer Science & Engineering
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Experience (in years): Teaching: 18 Research: 12 Others(if any, specify): Nil

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2013	CSE
2	M.Tech	2002	Computer Application
3	M.Sc	1999	Applied Maths
4	B.Tech(AMIETE)	2016	Computer Science

2. Teaching and Learning:

2.1. Teaching Interests:

1. Computer Programming
2. Mathematical Foundations for Computer Science
3. Data Structures
4. Computer Organization
5. Database Management System
6. JavaProgramming
7. Formal Languages and Automata theory
8. Design and Analysis of Algorithms
9. Principles of Programming languages
10. Human values and Professional ethics
11. Software Engineering
12. Compiler Design
13. Operating Systems

14. Computer networks
15. Information Security
16. Software Testing Methodologies
17. Web Technologies
18. Linux Programming
19. Data Warehousing and data mining
20. Mobile computing
21. Computer Graphics
22. Operation Research
23. Information Retrieval System
24. Human Computer Interaction
25. Data Structures through C++
26. Python
27. Data Science with Python
28. Data Analytics with Python

2.2. Novel Teaching & Learning Techniques adopted:

Make the process of teaching and learning enjoyable and non-monotonous process

Visual and audio aids with emphasis on thinking rather than just learning

Make students to work in collaborative and competition fashion

Develop reciprocity and cooperation among students

Encouraging active learning

2.3. Involvement in curriculum updating / Design: Designed CBCS and introduced new courses.

3. Co-curricular and Extra-Curricular Activities:

3.1. Interests and Hobbies: Reading

3.2. CCA/ECA Organized: NIL

3.3. CCA/ECA participated: NIL

3.4. Counseling and Mentoring Activity:

3.5. Committees involved in:

Department level: DDC

Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures :

4.1. Conducted: Yes

4.2. Attended: Yes

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 20

5.2. Articles/Chapters published in Books: 03

5.3. Books published as single author or as editor: Introduction to C Programming

5.4. Projects Guided:

a) UG: 40

b) PG: 30

5.5. Research Interests: Image Processing

5.6. Ph.D. students:

a) Enrolled: NIL

b) Submitted: NIL

c) Awarded: NIL

5.7. Papers published in reviewed journals: Nil

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
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1	Mammogram Images Detection Using Support Vector Machines	International Journal of Advanced Research in Computer Science, Volume 8, No. 7	0976-5697	5.8	International
2	AREAS CATEGORIZATION BY OPERATING SUPPORT VECTOR MACHINES VECTOR MACHINES	ARPN Journal of Engineering and Applied Sciences, VOL. 12, NO. 15	1819-6608	0.703	International
3	Diseases Identification by GA-SVMs	International Journal of Innovative Research in Science, Engineering, Vol 6, Issue 8	2347 – 6710	7.089	International
4	Classification of Synthetic Aperture Radar Images using Fuzzy SVMs	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue VIII	2321-9653	6.887	International
5	Breast Cancer Detection using Fuzzy SVMs	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue VIII	2321-9653	6.887	International
6	Software Metrics in Fuzzy Environment	International Journal of Computer &	2347 – 8527	4.01	International

		Mathematical Sciences(IJCMS) ,Volume 6, Issue 9			
7	Fuzzy Approach to Productivity Improvement	International Journal of Computer & Mathematical Sciences(IJCMS) ,Volume 6, Issue 9	2347 – 8527	4.01	International
8	Fractional Programming with Joint Probability Constraints	International Journal of Innovations & Advancement in Computer Science IJIACS ,Volume 6, Issue 9	2347-8616	4.10	International
9	Optimization of the Mixed Model Processor Scheduling	International Journal of Engineering Technology and Computer Research ,volume 5, issue5	2348-2117	4.06	International
10	Interactive Fuzzy Mathematical Modeling in Design of Multi-Objective Cellular Manufacturing Systems	International Journal of Engineering Technology and Computer Research ,volume 5, issue5	2348-2117	4.06	International
11	Solving Mathematical Problems by Parallel Processors	Current Trends in Technology and Science , Volume 6, Issue 4	2279-0535	5.2	International
12	A Stochastic Programming Model for	International Journal of	2347-8527	5.3	International

	Production Planning and Schedule	Computer & Mathematical Sciences(IJCMS) ,Volume 6, Issue 10			
13	Analysis of Censored Sample Population with GA-SVM	International Journal on Future Revolution in Computer Science & Communication Engineering, Volume3, Issue12	2454-4248	4.5	International
14	The Effect of Rotation and Wall Conductance by GA-SVM	International Journal of Engineering Technology Science and Research IJETS R ,Volume 4, Issue 10	2394-3386	2.120	International
15	Advanced Feature-Based Facial Expression Recognition from Image Sequences Using SVMs	International Journal of Scientific Research in Computer Science, Engineering and Information Technology , Volume2, Issue 6	2456-3307	4.032	International
16	A Multi-Item Inventory Model with Demand-Dependent Unit Cost : A Geometric Programming Approach with GA-SVM	International Journal of Scientific Research in Computer Science,	2456-3307	4.032	International

		Engineering and Information Technology ,Volume 2, Issue6			
17	<i>Region Classification Using SVMs “Journal of Geomatics pp. p87-94</i>	<i>Journal of Geomatics</i>	<i>ISSN:0976-1330</i>	5	International
18	<i>Automatic Vehicle Identification pp. 197-206</i>	<i>Journal of Advanced Research in Computer Engineering, pp.0974-4320</i>	<i>ISSN: 0974-4320</i>	4	International
19	<i>FER from Image Sequence Using SVMs, pp.23-30</i>	<i>Journal of Data Engineering and Computer Science</i>	<i>ISSN No. 2053-0811</i>	5	International
20	<i>Image Authentication Using SVMs & pp.367-374</i>	<i>Journal of Advanced Research in Computer Engineering</i>	<i>ISSN No. 0974-4320</i>	4	International
21	<i>Classification of Images Using SVMs & pp. 25-29</i>	<i>International Journal of Mathematics, Computer Sciences and Information Technology</i>	<i>ISSN No. 0218 - 4885</i>	4	International
22	<i>Analysis of Images Using SVMS & pp. 197-201</i>	<i>International Journal of Mathematics, Computer Sciences and Information Technology</i>	<i>ISSN No. 0974 – 5580</i>	4	International
23	<i>Classification of cars using support vector machines & pp. 69-74</i>	<i>International Journal of Mathematics, Computer Sciences and Information Technology</i>	<i>ISSN No. 0974 – 5580</i>	4	International
24	<i>Implementation of</i>	<i>IJRRECS</i>	<i>ISSN 2321-</i>	5	International

	<i>recursive construction for building effective compression strategy</i>		5461		
25	<i>An Effective Atlas-guided Brain image identification using X-rays</i>	<i>IJSER</i>	<i>ISSN 2229-5518</i>	5	International
26	<i>Region classification using support vector machines</i>	<i>IJLBI</i>	<i>ISSN : 0975-4776</i>	4.5	International
27	<i>ANALYSIS OF SAR IMAGES TEXTURE USING RIM SUPPORT VECTOR MACHINES</i>	<i>ARPN</i>	1819-6608	0.703	International
28	<i>Mathematical Modeling of Rayleigh Waves by GA-SVM Approach</i>	<i>IJRECE</i>	2393-9028	4.5	International
29	<i>Mathematical Modeling of Rayleigh Type Surface Waves</i>	<i>IJRECE</i>	2393-9028	4.5	International
30	Mathematical Modelling of Love-Waves	International Journal of Management, Technology And Engineering	2249-7455	4.5	International
31	<i>Mean Estimation Under Post-stratified Cluster Sampling Scheme</i>	Advances in Intelligent Systems and Computing	978-3-319-69096-4	4.5	International
32	<i>Study of Galaxy evolution through GA-SVM</i>	SCI	9811319219	4	International
33	<i>Forecasting and predicting stock market trends using feature selection</i>	Journal of Critical Review	2394-5125	4.5	National

5.8. Papers presented at National / International Journals: Nil

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Fractional Programming with Joint Probability Constraints	(ICSTM-2017)	International	2017

2	Software Metrics in Fuzzy Environment	(ICNFESMH-2017)	International	2017
3	Fuzzy Approach to Productivity Improvement	(ICNFESMH-2017)	International	2017
4	BULLET CLASSIFICATION SYSTEM BASED ON IMAGE PROCESSING & SUPPORT VECTOR MACHINE	ICETM-2017	International	2017
5	Analysis of Variant Approaches for Initial Centroid Selection in <i>K</i> -Means Clustering Algorithm	Smart Innovation, Systems and Technologies	International	2017

5.9. Sponsored research Projects: NIL

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: NIL

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

1. AMIETE COUNCIL AWARD-II December 2014, For getting highest CGPA
2. GATE-2000 Qualified with 91.93 percentile
3. Chairman BOS at IARE in 2016

7. Motto: If you can dream it you can do it

My YouTube link for online classes:

https://www.youtube.com/channel/UC2x3mbRv6I8EeXZ31Nmez0g?view_as=subscriber

