Name: Dr. M RAJA SEKAR

Designation: Professor

Department: Computer Science & Engineering

Mail I'd: rajasekar_m@vnrvjiet.in

Experience (in years):   Teaching: 20   Research: 14   Others(if any, specify): Nil

AICTE Id: 1-3262312297

Date of Birth: 01.06.1973

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(CSE)	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/Chapterspublished inBooks: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
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	2321-9653	6.887	International

		(IJRASET ,Volume 5 Issue VIII			
6	Software Metrics in Fuzzy Environment	International Journal of Computer & Mathematical Sciences(IJCMS) ,Volume 6, Issue 9	2347 – 8527	4.01	International
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	2348-2117	4.06	International

		,volume 5, issue5			
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 Production Planning and Schedule	International Journal of Computer & Mathematical Sciences(IJCMS) ,Volume 6, Issue 10	2347-8527	5.3	International
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 IJETSR ,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	2456-3307	4.032	International

		Information Technology , Volume2, Issue 6			
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, Engineering and Information Technology ,Volume 2, Issue6	2456-3307	4.032	International
17	Region Classification Using SVMs "Journal of Geomatics pp. p87-94	Journal of Geomatics	ISSN:0976-1330	5	International
18	Automatic Vehicle Identification pp. 197-206	Journal of Advanced Research in Computer Engineering, pp.0974-4320	ISSN: 0974-4320	4	International
19	FER from Image Sequence Using SVMs, pp.23-30	Journal of Data Engineering and Computer Science	ISSN No. 2053-0811	5	International
20	Image Authentication Using SVMs & pp.367-374	Journal of Advanced Research in Computer Engineering	ISSN No. 0974-4320	4	International
21	Classification of Images Using SVMs & pp. 25-29	International Journal of Mathematics, Computer Sciences and Information Technology	ISSN No. 0218 - 4885	4	International

22	Analysis of Images Using SVMS & pp. 197-201	International Journal of Mathematics, Computer Sciences and Information Technology	ISSN No. 0974 – 5580	4	International
23	Classification of cars using support vector machines & pp. 69-74	International Journal of Mathematics, Computer Sciences and Information Technology	ISSN No. 0974 – 5580	4	International
24	Implementation of recursive construction for building effective compression strategy	IJRRECS	ISSN 2321-5461	5	International
25	An Effective Atlas-guided Brain image identification using X-rays	IJSER	ISSN 2229-5518	5	International
26	Region classification using support vector machines	IJLBI	ISSN : 0975-4776	4.5	International
27	ANALYSIS OF SAR IMAGES TEXTURE USING RIM SUPPORT VECTOR MACHINES	ARPN	1819-6608	0.703	International
28	Mathematical Modeling of Rayleigh Waves by GA-SVM Approach	IJRECE	2393-9028	4.5	International
29	Mathematical Modeling of Rayleigh Type Surface Waves	IJRECE	2393-9028	4.5	International
30	Mathematical Modelling of Love-Waves	International Journal of Management, Technology And Engineering	2249-7455	4.5	International

31	Mean Estimation Under Post-stratified Cluster Sampling Scheme	Advances in Intelligent Systems and Computing	978-3-319-69096-4	4.5	International
32	Study of Galaxy evolution through GA-SVM	SCI	9811319219	4	International
33	Care-giver alerting for bedridden patients using hand gesture recognition system	Scopus	1921 012077	5	International
34	Analysis of Soft Computing Techniques to Forecast Mechanical Attributes of an Alloy	Scopus	E-ISSN:2278-3091	4.5	International
35	Forecasting And Predicting Stock Market Trends Using Feature Selection	Scopus	ISSN- 2394-5125	4.6	International
36	Prediction of Mechanical Properties of Metal through Machine Learning Approach	Scopus	ISSN 2278-3091	4.5	International
37	GA-SVM Approach to Predict the Mechanical Properties of Steel	Scopus	ISSN 1943-023X 911	4.5	International
38	Experiment on Diabetes Mellitus under the Quantitative Diet with Varying Body Frame	Scopus	ISSN: 2277-3878	5	International
39	AREAS CATEGORIZATI ON BY OPERATING SUPPORT VECTOR MACHINES	Scopus	ISSN: 1819-6608	3.25	International

40	Tongue Image Analysis For Hepatitis Detection Using GA-SVM	IJCSE	ISSN: 0976-5166		International
41	Interactive Fuzzy Mathematical Modeling in Design of Multi-Objective Cellular Manufacturing Systems	IJETCR	ISSN: 2348-2117	4.06	International
42	Variant Approaches for Initial Centroid Selection in K- Means Clustering Algorithm	SCOPUS	ISSN: 981-10-5546-1	4.56	International
43	A Multi-Item Inventory Model with Demand-Dependent Unit Cost : A Geometric Programming Approach with GA-SVM	IJSRCSEIT	ISSN: 2456-3307	4.032	International
44	TEXT CLASSIFICATION USING MULTINOMIAL NAÏVEBAYES CLASSIFICATION ALGORITHM	SCOPUS	ISSN: 1303-5150	0.9	International
45	FEATURIZATION AND CLASSIFICATION OF AMAZON FINE FOOD REVIEWS	SCOPUS	ISSN: 0367-6234	3.53	International

46	Melting of ice shelves and the mass balance of Antarctica Ocean	SCOPUS	ISSN: 1303-5150	3.25	International
47	MATHEMATICAL MODELING AND VISUALIZATION OF MNIST DATA USING EIGEN VALUES AND EIGEN VECTORS	SCOPUS	ISSN: 1303-5150	4.08	International
48	Application of Distributed System Technology-Guided Machine Learning	SCOPUS	ISSN: 1303-5150	4.375	International

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 ONIMAGE IMAGE PROCESSING & SUPPORT VECTORMACHINE	ICETM-2017	International	2017
5	Analysis of Variant Approaches for Initial Centroid Selection in K-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