

PHOTO

Name :SARAVANAN R

Designation: Assistant Professor

Official Address: RV INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Mail id (personal and official):saraoffivr@gmail.com , saravananr.rvitm@rvei.edu.in

Contact number:8015817807

### Education Qualification

S.No	Degree	University / College Name	Passed Out Year
1	Ph.D	Periyar University	2024
2	M.Phil	Periyar University	2013
3	MCA	Anna University	2008
4	B.Sc (CS)	Madras University	2004
5	12 <sup>th</sup> Standard	Tamilnadu State Board	2000
6	10 <sup>th</sup> Standard	Tamilnadu State Board	2000

### Professional Experience

S.No	College / University Name	Designation	Duration
1	T.John College	Assistant Professor	1 year 8 months
2	IFIM College	Assistant Professor	1 year 5 months
3	MGR College	Assistant Professor	11 years

### Subjects Taught:

- Artificial Intelligence and Machine Learning.
- Cloud Computing
- Office Automation
- Software Engineering
- Operating System
- Programming in C, C++
- Micro Processor 8085
- Hardware and Networking
- RDBMS
- Java

- MIS
- Client/Server Technology
- Javascript
- VBscript
- Visual Basic
- Flash
- Computer Networks.
- Embedded Systems, Linux
- Soft Skills
- Software Project Management
- Enterprise Resource Planning
- Microsoft Power BI
- Python programming.
- Design and Analysis of Algorithms

## **Publications**

### **Journals**

1. “ Wireless Sensor Network Data Gathering Using a Multi-Fold Gravitational Search Algorithm With a Mobile Agent “,**International Journal of System of Systems Engineering**, Year 2024 ,Volume 14 , Issue 1,Impact Factor 1.2, ISSN 1748-068X, <http://dx.doi.org/10.1504/IJSSE.2024.135911>
2. “ Accurate Range Free Location based Partial Derivative and Stochastic Feedforward Neural Network Hyperbolic-based Agriculture Sensor Network Formation “ , **International Journal of Advanced Research in Applied Sciences and Engineering Technology**, volume 32 issue 2 October 2023, Impact Factor 1.4 ISSN 2462-1943.<https://doi.org/10.37934/araset.32.2.6078>
3. “ Impact Of Machine Learning In Decision Making Of Business: A Conceptual Study “,**International Journal of Research (IJR)** , volume 9 , issue 7, JULY 2022 ISSN 2348-6848.

4. “ Role Of Data Mining In Customer Relationship management: A Conceptual Review “ , **International Journal of Research (IJR)** , volume 9 , issue 4, APRIL 2022 ISSN 2348-6848.
5. “A New Architecture for Agriculture Data Collection and Routing In WSN “ , **Design Engineering** , volume 2021 , issue 6, ISSN 119342.
6. “ Optimised Traffic and Lifetime routing Algorithm in Wireless Sensor Networks “ , **Telematique** , volume 21 , issue 1,2022 ISSN 1856-4194.
7. “Enhanced Centroid Localization Algorithm(ECLA) Using Wireless Sensor Network Agriculture Process “ , **International journal of analytical and experimental modal analysis(IJAEMA)** , volume 6, issue 3, Impact Factor: 6.3 , Dec 2019, ISSN 0886-9367.
8. “Energy Efficient Agriculture Sensor Traffic And Enhanced Lifetime Routing Algorithm in WSN “ , **International Journal of Advanced Science and Technology(IJAST)** , volume 29 , issue 6, , June 2020, ISSN 2207-6360.
9. “Cluster Based Diffusion Limited Aggregation in Wireless Sensor Networks “ **International Journal of Trend in Research and Development(IJTRD)**, volume 6, issue 3, Impact Factor: 4.865 ,May – June 2019, ISSN 2394-9333.
10. “ Analysis and Survey on Wireless Sensor Networks In Agriculture “ , **International Journal for Research in Science Engineering & Technology(IJRSET)** , volume 4, issue 10, October 2017, ISSN 2394-739X.
11. “ Energy Efficient Concepts in Wireless Sensor Networks : A Survey “, **International Journal of Trend in Research and Development(IJTRD)**, volume 3, issue 6, Impact Factor: 3.025, November – December 2016, ISSN 2394-9333

## Patents

1. Title: **Data Processing Device For Facial Recognition Using Computer Vision**  
Application Number: 6416277 (UK Patent)

Applicant Name: Dr.R.Saravanan

Date of Publication: 16/01/2025

2. Title: **Sleek Shape For Next-Generation 5g Communication Devices**

Application Number: 448987-001 (Indian Patent)

Applicant Name: Dr.R.Saravanan

Date of Publication: 16/05/2025

### Conferences Attended

1. “Kidney Cancer Diagnosis and Prognosis using AI and Machine Learning”, International Conference on Inventive Systems and Control [ICISC 2025], ISBN:979-8-3315-1247-7, JCT College of Engineering and Technology, Coimbatore, From 12th-13th August 2025 <https://doi.org/10.1109/ICISC65841.2025.11188243>
2. “A reiew on challenges in IT infrastructure Library change management process ”, in IFIM COLLEGE(AUTONOMOUS) from 27-02-2025 to 28-02-2025.
3. “ Impact of Wireless Sensor Networks in Precision Farming” in MGR Arts and Science College, Hosur on 25<sup>th</sup> & 26<sup>th</sup> Nov 2022.
4. “Proficient Secure Data Aggregation in Wireless Sensor Network ”, in NPR Arts and Science College on 28<sup>th</sup> Dec 18.

### FDP / Workshops Participated

National Level FDP on “Computer Networking Lab“ organized by BCA department ,Soundarya Institute of Management & Science, Bangalore from 11-11-2022 to 12-11-2022.

ATAL FDP on “Next-Gen Innovation: AI, Blockchain and AR/VR Metaverse for Digital Excellence” From 03-02-2025 to 08-02-2025 organized by, SCHOOL OF COMPUTER APPLICATIONS AND IT, JAIN DEEMED TO BE UNIVERSITY.

ATAL FDP on “Exploring the Foundations and Applications of Quantum Computing:Bridging Theory and Practice” from 08-09-2025 to 13-09-2025 organized by, SCHOOL OF COMPUTER APPLICATIONS AND IT, JAIN DEEMED TO BE UNIVERSITY.

ATAL FDP on “Next-Gen Cybersecurity: Challenges and Strategies in the AI Era” from 17-11-2025 to 22-11-2025 organized by RV Institute of Technology and Management.

ONLINE FDP on “Data Visualization for Business and Research” from 26-05-2025 to 07-06-2025 organized by Malaviya National Institute of Technology, Jaipur.

National Level Online Workshop "Application Development wiht AI & Essential Skills" from 23-06-2025 to 27-06-2025 organized by BRAINOVISION SOLUTIONS INDIA PVT. LTD.

National Level Online Workshop “Crafting Research Excellence: where to publish, Latex & Research Metrics” from 04-08-2025 to 06-08-2025 organized by IEEE Signal Processing Society Bangalore Chapter and IEEE Women in Engineering Affinity Group.

## Books / Chapters

1. "Artificial Intelligence and Data Science: Concepts and Practical Applications", Scientific International Publishing House, July 2025. ISBN:978-93-7196-904-8 .
2. "Current and Future Techniques of AI-Based Deepfake Detection", IGI Global Scientific Publishing, Jan 2026, DOI: 10.4018/979-8-3373-3770-8.ch006.

## Personal Details

Name: Saravanan R  
Date of Birth:30-06-1983  
Gender:Male  
Marital Status:Married  
Mother Tongue:Tamil  
Languages known:English,Tamil  
Contact number:8015817807

Place: Bangalore

Dr.R.Saravanan