

Name:	<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="613 348 760 380">Ms.R.Janaki</div>  </div>			
Designation:	Associate Professor			
Qualification:	M.E.,(Ph D)			
Area of specialization:	Applied Electronics			
Experience:	Industrial Experience		Teaching Experience	
	NIL		18.8 Years	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	6		11	
Publications:	Conference		Journal	
	National	International	National	International
	1	9	2	2
Books / Book Chapters	2			
Patents:	National		International	
	5			
Professional Body Membership	IEEE, ISTE, IETE, IEANG			

Staff Achievements

- Received NPTEL Top Performing mentor
- Received Outstanding Talent Enabler award
- Appreciation As Talent Enabler In Accomplishing Most Number Of Online Courses Completed
- Reviewer in Reputed Journal like BioMedical and Signal Processing, Frontiers in Medicine, The Journal of super Computing.
- Consistent ATAL Innovation Mission Mentor
- NPTEL Silver Certification In 5G Technology, Communication Networks, Signal Processing Algorithms and architectures
- Consistent IEEE Extreme Proctor
- CISCO certified Instructor
- Received NPTEL Discipline Star award
- Served as Jury member in Symposium and Hackathons
- Certificate of appreciation received from SRM Valliammai Engineering College for delivering a Guest Lecture on RF and Microwave Engineering
- Received Appreciation certificate from GMR Institute Of Technology For delivering a Guest Lecture on Machine Learning
- Appreciation Award For Partnership towards Transforming India Into A Digital Talent HUB
- Completed Online Certification course in Generative AI and Machine Learning from IIT Kanpur
- Completed NPTEL Domain certification in Communication and Signal Processing

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.E.,	ECE	2004	AMA College of Engg.	University of Madras	85%	FW D
PG	M.E.,	Applied Electronics	2009	St.Peters Engg. College	Anna University	79%	FC
PhD	PhD	Medical Image Analysis	Pursuing				

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
VSB Engineering College, Karur	Lecturer	19/08/2004	03/06/2006	1	9	
Sakthi Mariamman Engineering College	Lecturer	05/07/2006	05/04/2010	3	10	
Sakthi Mariamman Engineering College	Asst.Prof	26/12/2012	04/05/2013		5	
Sri Sairam Institute of Technology	Asst.Prof	03/06/2013	27/8/2025	12	2	
Sri Sairam Institute of Technology	Asst.Prof	28/8/25	Till date		6	
TOTAL				18	8	

- Workshops/Seminars attended:
1. Attended a Technical workshop for NPTEL Stars held on 6/7/25 at IIT Madras.
 2. Successfully completed the online internship in Research Training organized By MSME- Technology Development Center from 1/7/24 to 1/8/24
 3. Attended IBM Skills Build workshop on 3/4/2024
 4. Attended Wadhvani workshop on september 2024.
 5. Attended IBM Enterprise Design Thinking workshop on 24/4/24
 6. Attended GenAI workshop in 14/12/23 at Loyola Inst.of Technology

FDP/STTP Attended:

1. Attended 1 week FDP on Neural Network and CNN from 20/4/2020 to 24/4/2020 Organized by NITTTR, Chandigarh.
2. Attended 1 week FDP on AI and ML from 31/8/2020 to 4/9/2020 Organized by ATAL Academy.
3. Attended 12 weeks NPTEL AICTE FDP programme on Deep Learning during Apr2022
4. Attended 2 Days Industry Powered FDP on Emerging Smart Technologies organized By L&T Edutech on 28/9/2022 & 29/9/2022.
5. Attended 3 days FDP on Signal Processing, AI and ML in bio Medical Engineering Organized by SSN College of Engineering during 16/11/2022 to 18/11/2022
6. Attended 12 weeks NPTEL AICTE FDP programme on Soft Skills during Mar 2021
7. Attended 12 weeks NPTEL AICTE FDP programme on Communication Networks During Apr 2024.
8. Attended 5 days FDP programme on Personal and Professional Management from 11/6/24 to 15/6/24 organized by Arka Jain University, Jharkand.
9. Attended 6 Days UHV II FDP organized by AICTE from 27/5/24 to 1/6/24
10. Attended 4 weeks NPTEL AICTE FDP programme on Signal Processing Algorithms And Architectures during October 2025
11. Attended 1 week FDP on Recent Advancements in AI & ML from 30/6/25 to 4/7/25 At St. Joseph's College of Engineering.

Conference Attended:

1. Presented a paper titled Innovative Approach for Effective Removal of Water Hyacinth Using IoT in ICCCT'25 held on 16 & 17/4/25 at Sri Sai Ram Engineering College.
2. Participated in CISCO Academy Conference -India 2024 at CISCO systems on 1/2/24 At Bengaluru.
3. Presented a paper titled A Comprehensive Review Of Hippotherapy And Exercise Interventions For Motor Rehabilitation In Children With Cerebral Palsy at ICAIHI 25.
4. Presented a paper titled Change in Light Intensity and Automation of Street Lamp Through Machine Learning Algorithm Image Processing in Ic3IoT 2024.
5. Presented a paper on A Novel Implementation of Esophagus Diagnosis Using Deep Learning in 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering Icacite 2022, **Year** 2022,
6. Presented a paper in An Efficient Spectrum Sensing Model in Cognitive Radio Network Using Compressive Sensing and Interference Temperature Model in nternational Interdisciplinary Humanitarian Conference for Sustainability Iihc 2022 Proceedings, **Year** 2022,

7. Presented a paper in Implementation Of Effective IoT Architecture For Early Flood Detection And Management System in 2022 1st International Conference on Computer Power and Communications Iccpc 2022 Proceedings, **Year** 2022.

8. Presented a paper in Personal Assistant Device For Deaf Blind People in II International Conference On Information, Communication And Networking, **Year** 2021

9. Presented a paper in Survey on regression analysis of photoplethysmography using machine learning in Materials Today Proceedings 2020

Completed / Ongoing Projects: NIL

Patent: **1.**Published a patent Deep Learning-Based Image Segmentation And Classification For Medical Imaging

2. Published a patent in A novel system based on Random Sample Consensus for IRIS recognition

3. Design patent on Punching bag

4. Published a patent on IoT based Eutrophication Monitoring system

5. Published the patent in Automatic Medical Dispenser With Dynamic Telemonitoring In Rural Areas

Journal Publications:

1. Hybrid model-based early diagnosis of esophageal disorders using convolutional neural network and refined logistic regression. Eurasip Journal on Image and Video Processing, **Volume** 2024, **Year** 2024

2. Non-additive noise reduction in medical images using bilateral filtering and modular neural networks, Soft Computing, **Year** 2023

3. Li-Fi Based Underwater Video Communication in The Journal of Research on the Lepidoptera, **Volume** 51, **Year** 2020, **Pages** 946-952

4. Performance of cooperative transmission schemes in industrial wireless sensor network using S-AODV protocol International Journal of Recent Technology and Engineering, **Volume** 7, **Year** 2019,

Books / Book Chapters: 1. Applications of machine learning algorithms in data encryption standards Machine Learning and Cryptographic Solutions for Data Protection and Network Security, **Year** 2024, **Pages** 111-134

2. Artificial Intelligence of Things Technical Research Publications, **Year** 2020

NITTTR Courses: Completed all the 8 Modules in NITTTR.

