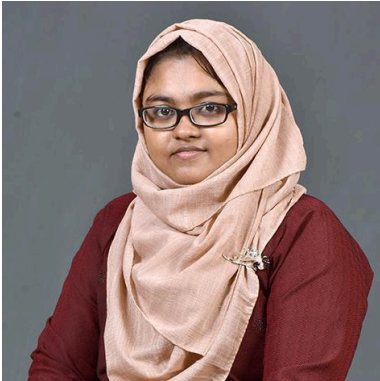


**SRI SAI RAM ENGINEERING COLLEGE,CHENNAI-44**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

<b>Name &amp; Photo :</b>	<b>FATHIMA MUBARAKKAA.M</b> 
<b>Designation:</b>	Assistant Professor
<b>Qualification :</b>	B.E. (CSE), M.E. (CSE)
<b>Area of Specialization :</b>	Image Processing,Machine Learning
<b>Experience :</b>	Teaching :6 Years 4 Months Industry : Nil
<b>No. of workshop / Conferences / FDP attended</b>	Conferences :12 FDP : 17
<b>Publication :</b>	Journal International : 12
<b>Conference :</b>	International : 12
<b>Patent:</b>	3
<b>ACTIVITIES AT SAIRAM:</b>	Google development club (CAPTAIN). Department Creative Innovator Department CULTURAL Coordinator, NPTEL course incharge.

<b>General :</b>	<ul style="list-style-type: none"> <li>● University rank holder in M.E.</li> <li>● Life time Membership in International Association of Engineers (IAENG).</li> <li>● Membership in IEEE</li> <li>● Maintaining a youtube channel as 'KARPOM KARPIPOM' &amp; 'CSE LECTURE WORLD'</li> <li>● Published paper in reputed international journals</li> <li>● Presented paper in international conferences</li> </ul>
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**Professional Experience:**

Sl. No	College / Organization	Designation	Period	
			From	To
1.	Sri Sai Ram Engineering College	Assistant Professor	06-08-2020	Till Date
2.	National College of Engineering	Assistant Professor	09-07-2018	19-07-2019
3.	Einstein college of Engineering	Assistant Professor	07-12-2017	07-05-2018

<b>FDP, WORKSHOP, SEMINARS</b>		
Name of the Program	Organized by	Date
<b>FDP</b>		
International FDP Progresses in Computer Science & its Applications	Vels Institute of science, Technology & Advanced Studies Chennai	JULY 7-14 2021
AICTE FDP -Inculcating Universal Human Values in Technical Education”	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI	JUNE 28- JULY 2
FDP on “Machine Learning and Deep	SRM Institute of Science and Technology, Chennai	APRIL 26-30 2021

Learning-Research and Application Perspectives”		
AICTE FDP -Teaching Learning Methods Towards Outcome Based Education	Velammal Institute of Technology,Chennai.	FEBRUARY 10-23 2021
ATAL FDP on Machine Learning	IIT,Dharwad	January 18-22 2021
ATAL FDP on Data Science	Amity Institute of Information Technology,Lucknow	December 14 – 18 2020
ATAL FDP on Internet of Things	IIT Trichy	November 23 – 27 2020
ATAL FDP on Cyber Physical Systems	IIT Pune	November 7 – 11 2020
ATAL FDP on Computer Science and Biology	SRM Institute of Science and Technology, Chennai	November 2 – 6 2020
Research Perspectives in Machine Intelligence and Computing	Sri Sai Ram Institute of Technology, Chennai	October 27 – 31 2020
Python skills	Anna University,Chennai	June 18 – 19 2020
Frontiers of Intelligence: Next-Gen Technologies Shaping the Future Research	Sri Sai Ram Engineering \college	May 26-May 30 2025
<b>STTP</b>		
Digital Farming Exploration with AI	Vivekanandha College of Technology for Women, Tiruchengode	November 16 – 21 2020
Artificial Intelligence And Deep Learning Techniques	B.S Abdul Rahman Crescent Institute of Science and Technology,Chennai	November 30 – 5 December 2020
Feature Analysis Using AI/ML	Sri Krishna College of Engineering and Technology,coimbatore	DECEMBER 07 DECEMBER 12 2020
Internet of Things with Block chain-Application and Challenges	Velalar college of Engineering and Technology,Erode	APRIL 4-APRIL 9 2021
AICTE-Speech and Image Processing Using Deep Learning Techniques	Annamalai University	March 3- March 9 2021
<b>Seminar/Webinar</b>		
Adventures of particle physicists	Francis Xavier Engineering college	June 20 -2020

Robotic Process Automation	National college of Engineering	Sep 11-2020
Quantitative Data Analysis in R using STATCRAFT	Sri Sivasubramaniya Nadar College of Engineering, Chennai	Nov 11-2020
Copyright is an Intellectual Property	Sri Sai Ram Engineering College, Chennai	Jan 28-2021
Motion Control of Minimally Invasive Surgical Robots	IEEE MYSORE SUB SECTION	Feb 16- 2021.
Implementation Of National Education Policy	Sathyabama Institute of Science and Technology, Chennai	Apr 23-2021
IOT and Embedded Systems	H.K.E society's S.L.N college of engineering	June 8 -2021
Augmented Reality and Virtual Reality	NITTE Meenakshi Institute of Technology	June 7 -2021
Cyber Security	Guru NANAK DEv Engineering college	June 7-2021
Recent Trends in Automated Testing	Sathyabama Institute of Science and Technology, Chennai	Jan 25 -2021
Communication with MatLab	Jain University	June 4-2021

#### JOURNALS & PUBLICATIONS:

1. Published paper in **INTERNATIONAL JOURNAL OF ADVANCED RESEARCH TRENDS IN ENGINEERING AND TECHNOLOGY**, Volume 4 , Issue 10, March 2017 titled **“GLIOBLASTOMA BRAIN TUMOR MODELING APPROACH”**.
2. Published paper in **JOURNAL OF WEB DEVELOPMENT AND WEB DESIGN-MAT JOURNAL** , Volume 3 , Issue 3, Jan 2018 titled **“By using Internet of Things Analysis of Waste Monitoring System”**
3. Published a paper in 2022 4th International Conference on Smart Systems and Inventive Technology (ICSSIT), IEEE Xplore, 10.1109/ICSSIT53264.2022.9716333 - SCOPUS indexed, Jan 2022 titled **“Detection of Corn Leaf Blight Using Convolutional Neural Networks”**.
4. Published a paper in 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), IEEE Xplore, 10.1109/ICCEBS58601.2023.10449133 - SCOPUS indexed, March 2024 titled **“Location Based Disaster Report”**.
5. Published a paper in **2022 1st International Conference on Computational Science and Technology (ICCST)**, IEEE Xplore, 10.1109/ICCST55948.2022.10040468 - SCOPUS indexed, March 2023 titled **“The Convergence of Traffic Management System”**.
6. Published a paper in **2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)**, IEEE Xplore, 10.1109/ICPECTS62210.2024.10780033- SCOPUS indexed, December 2024 titled **“OCR based transliteration of Brahmi to Tamil using**

CNN”.

7. Published a paper in **2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)**, IEEE Xplore,10.1109/ICCEBS58601.2023.10449329-SCOPUS indexed,March 2024 titled **“Using a Machine Learning Algorithm and Fundus Images to Treat Diabetic Retinopathy”**.
8. Published a paper in **2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)**, IEEE Xplore,10.1109/ICCEBS58601.2023.10448899-SCOPUS indexed,March 2024 titled **“Track the Stop”**.
9. Published a paper in **2025 International Conference on Computing and Communication Technologies(ICCCT)**,IEEE Xplore,10.1109/ICCCT63501.2025.11019134-SCOPUS indexed,June2025 titled **“AcciRadar: Real Time Automatic Accident Detection and Reporting Framework”**.
10. Published a paper in **2025 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things(ICoICI)**,10.1109/ICoICI65217.2025.11254309-SCOPUS indexed, December 2025 titled**“Real Time Detection System for Leaf-based Plant Disease using YOLOv8”**.

#### **PATENT DETAILS:**

1. Filed and Published Indian patent on the innovation titled**“ML and DL Techniques based Breast- Cancer discovery by using Relative-Analysis”** (Application No.202241006231 ) on 05/02/2022.
2. Filed and Published Indian patent on the innovation titled **“ARTIFICIAL INTELLIGENCE BASED SMART ROAD CLEANING ROBOT”** (Application No..202241057430 A ) on 14.10.2022.
3. Filed and Published Indian patent on the innovation titled **“Acciradar:RealTime Automatic Accident Detection and Reporting Framework”** (Application No..202541114750 ) on 16.01.2026.

#### **BOOK CHAPTER:**

1. Published a Book Chapter **“Comparative analysis of machine learning models for diabetic retinopathy detection”**in **Innovations in Computer Vision, Communication Systems, and Computational Intelligence** (Taylor & Francis, CRC Press). DOI: 10.1201/9781003724988.

#### **BOOK PUBLICATION :**

1. Published a Book in the name **DATA STRUCTURES** published by **CHARULATHA PUBLICATIONS** ISBN:978-93-6260-821-5

#### **Professional proficiency :**

1.nasrinword.wordpress.com (CSE ALL SUBJECTS NOTES)

2..youtube/channel/UCgaStWeRI7UVviNe3wuBrog- Cse Lecturer world(CSE SUBJECTS)

3.youtube/channel/UCoyV6Pq5e0HdHg3riOWuUnw - karpomkarpipom(COMPETITIVE EXAMS)