Name : PREETHI.S spreethi..ai@sairam.edu.in **ET24AI01**	
Designation:	Assistant Professor (Artificial Intelligence & Data Science)
Area of Specialization :	Image Processing,Deep Learning,Machine Learning.
Experience	Teaching :10 years. Research : Pursuing Industrial Experience: Nil

No of Workshop/ FDP attended:	No of Workshop		No of FDP	
	2		09	
Publications:	Conference		Journal	
	National	International	National	International
	-	6		1
Patents	National		International	
	03		Nil	
Professional body membership	IEEE Membership			
Awards and Achievements	NPTEL STAR			

Publications 1 Journal	1. "Securing IoT Networks with Deep Belief Network-Based Intrusion Monitoring Systems" https://ieeexplore.ieee.org/document/11039559 2. Analysis of Deep Learning based secure and robust system for the renovation of medical images on IoMT. https://ieeexplore.ieee.org/document/11020428 3. Multi-Objective Genetic Algorithm Optimised Convolutional Neural Networks for Improved Pancreatic Cancer Detection. https://ieeexplore.ieee.org/document/11071025

	4. "Smart mirror with voice assistance", International Journal for Research in Applied Science and Engineering Technology, Volume 7 Issue III, March 2019. https://www.ijraset.com/fileserve.php?FID=20453
2 Conference	1. Presented a paper in the IEEE International Conference on Advances in Renewable Energy and Intelligent systems(ARIES 2024) held at Jyothi Engineering College on Dec 4th & 5th 2024, Titled -"Multiobjective Genetic Algorithm Optimized CNN for Pancreatic Cancer Detection".
	2. "Smart Card Using RFID", International Conference on Informatics, Robotics, Construction and Communication (IRCC-2018) during 17-18 April 2018 at Peri Institute of Technology.
	3. "Multispecialty robot for military purpose based on IoT", International Conference on Informatics, Robotics, Construction and Communication (IRCC-2018) during 17-18 April 2018 at Peri Institute of Technology.
	4. "IoT-based smart home system", International Conference on Advance Research and Innovation in Engineering, Science, Technology, and Management during 16-17 March 2017 at ARS College of Engineering.
	5. "Embedded Java Based Motion Detection", International Conference during 08-09 May 2009 at Anna University Coimbatore.
3.Patent	1. Title of the patent: "VLSI Based Machine Learning system for Parkinson's disease detection and management integrating Reinforcement learning for healthcare, business and educational management.". IPR Application no: 202411081879A: Published Date: 08/11/2024.

4. Books Published	2. Title of the patent: "VLSI Based Machine Learning system for Parkinson's disease detection and management integrating Reinforcement learning for healthcare, business and educational management.". IPR Application no: 202411081879A: Published Date: 08/11/2024. 3. Title of the patent: "Reducing Grain Loss During Storage". IPR Application no: 202441076168: Published Date: 18/10/2024. 1. Published a book titled "Problem Solving and Python Programming" at Charulatha Publications.	

1. Attended Faculty Industrial training and Internship on AR and VR with emphasis with Unreal Engine held at Monolith Research and Training Labs from 27.05.24 to 31.05.24.

2. Attended Two-day Industry-Assisted Online Faculty Development Programme on "DEMYSTIFYING AI AND DATA SCIENCE" organized by PALS and Meritus.AI on 23rd and 24th January 2025.

3. Attended Six days online FDP on "IOT IN FOCUS: EMERGING TRENDS AND REAL-WORLD CHALLENGES" held from 20.01.2025 to 25.01.2025 hosted by Sri Sai Ram Engineering College.

4. Attended One-week Faculty Development Program (FDP)on"Emerging Wireless Technologies for 6G" held during 6.01.25 to 10.01.25 organized by CVR Engineering College.

5. Attended IEEE CAS Sponsored Six days FDP on Design and application of Semiconductor devices from 05.08.24 to 10.08.24 organized by Sri Sai Ram Institute of Technology.

6. NPTEL AICTE FDP on "Introduction to Machine Learning".

7. NPTEL AICTE FDP on "Python for Data Science".

8. Attended FDP on "How Teachers can make a difference" held at Teaching Learning Center (TLC) Indian Institute of Technology Madras from 26.03.2024 and 28.03.2024.

9. Attended FDP on Biomedical Devices and its applications" held at Sri Sairam Engineering College from 05.02.2024 and 09.02.2024.

10. Attended a Workshop on "Innovative Teaching – Learning Pedagogy" held at PERI Institute of Technology from 2nd to 4th Dec 2019.

11. Attended a Nation Level Workshop on "Communication and image processing using MATLAB" held at PERI Institute of Technology on 30th June 2017.

EDUCATIONAL QUALIFICATION

S.No.	Course	Institution/ Board University	Percentage of marks	Month & Year of passing
1.	M.E (A.E)	Dr.Mahalingam College of Engineering & Technology, Anna University Coimbatore.	9.1(CGPA)	July 2009
2.	B.E (ECE)	Jayaram College of Engineering & Technology, Anna University Chennai.	78	April 2007
3.	H.S.C	Girls Higher Secondary School Trichy / State Board	86	March 2003
4.	S.S.L.C	YWCA Matriculation School Trichy/ Matriculation	65	March 2001

Declaration: I hereby declare that all the information mentioned above is true to my knowledge and I have all supporting documents for the facts mentioned above.