


Name of the Institution: SRI SAIRAM ENGINEERING COLLEGE

Name of the Department: Computer Science and Engineering Staff ID:SITT22CS03

1	Name	:	Ms.G.NIRMALADEVI		
2	Name of the Department	:	COMPUTER SCIENCE AND ENGINEERING		
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4	Mobile Number (valid and functional)	:	6381248906		
5	Nationality	:	Indian		
6	Community	:	MBC		
7	Gender	:	Female		
8	Date of Birth	:	29/Dec/1986		
9	ORCIDID:	https://orcid.org/0000-0003-0560-9678			
	SCOPUID:	https://www.scopus.com/authid/detail.uri?authorId=58541464300			
	GOOGLE SCHOLAR ID:	https://scholar.google.co.in/citations?user=viOddeoAAAAJ			
10	Educational Qualification(s) :				
	Qualifications	Specialization	Board / University / Institution	Year of Passing	Percentage
	ICSE	-	S.D.A.MATRIC.HR.SEC. SCHOOL, CHENGALPATTU,TN	2002	72.83
	HSC	-	S.D.A.MATRIC.HR.SEC. SCHOOL, CHENGALPATTU,TN	2004	89.4
	UG	B.E (CSE)	ANNA UNIVERSITY	2008	78 (First Class)
	PG	M.Tech(IT)	ANNA UNIVERSITY	2011	8.3(CGPA) (FirstClass)

11	Area of Specialization		Computer Science and Engineering				
12	Research Interest		Cloud Computing, Data Science and Machine Learning				
13	Professional Societies Membership : IEEE, IAENG and IEEE Systems, Man and Cybernetics Society IEEE Robotics and Automation IEEE Engineering Medicine and Biology Society IEEE Industrial Electronics Society IEEE Industry Applications Society &IEEE Sight						
14	Experience Details:						
	Name of the Organization	Designation	Period		Nature of work	Experience	
			From	To		Years	Month
	Sri SaiRam Institute of Technology	Asst.Prof- III	27.06.2011	30.11.2013	Teaching	2	5
	Sri SaiRam Institute of Technology	Asst.Professor	06.06.2022	09.07.2001	Teaching	3	6
	Total Experience					5	11
15	Courses Taught in UG/PG level:		<ul style="list-style-type: none"> • Python Programming • R Programming • Computer Networks • Fundamentals of Computing & Programming • Software Engineering • Operating Systems • Object Oriented Programming • Computer Organization& Architecture • Object Oriented Software Engineering • Object Oriented Analysis and Design with Rational Rose Software • Data Structures and Algorithms Lab 				
16	Details of UG-Projects Guiding :		UG Students- Passed out: (2 teams)Machine Learning & Block Chain, Fuzzy Logic <ul style="list-style-type: none"> • UG(III-Year)-Pursuing:(2teams) Machine learning -Autism with Facial Expression & Eye Disease Prediction • UG(IV-Year)Project-(2 teams) Using Machine Learning ,Blockchain Technology & AR/VR 				

17.	Achievements :	<ul style="list-style-type: none"> • Secured BADGE & CERTIFICATION ON MICROSOFT CERTIFIED:AZURE-900 • Completed NPTEL-DOMAIN CERTIFICATION:DATASCIENCE • Received NPTEL DISCIPLINE STAR(JUL-DEC'25) • Achieved Top Topper 5% (NPTEL) and SILVER+ELITE -Introduction to MachineLearning • Achieved Top Topper 5%(NPTEL) and SILVER+ELITE -Learning Analytics Tools • Achieved ELITE in NPTEL (DATASCIENCE) Data Analytics using Python, Advanced R Programming for Data Analytics in Business, Introduction to Lare Language Model(LLM's) • Online Certification,Python for Data Science Data Science & Machine Learning – Python”-Tools:SPYDER,JUPYTER Notebook • Achieved 100% results in PythonProgramming & OS • Received Cash Award for 100% result in Anna University Examination- Programming in C • Achieved 94.50% Grade Score in R Programming through online course of non-credit course authorized by JohnHopkins University offered through Online Certification
18.	Publications :	<p>No. of Papers published in SCI:01</p> <p>No. of Papers published in SCOPUS:8</p> <p>No. of Papers published in IEEE-GERMANYSection/International &National Conferences : 05</p>
19.	Patents Published/Granted :	<p>Application Patent:04-Published</p> <p>Design Patent:02-Granted</p>

20.	List of Publications:	Journals& Conferences	SCI Journal, SCOPUS,IEEE CONFERENCE PAPERS, International & National Conferences
		<p>SCI Journal:</p> <p>1. Published paper on “Skin Cancer Diagnosis: Leveraging Deep Hidden Features and Ensemble Classifiers for Early Detection and Classification”, Biomedical Signal Processing & Control, Feb, 2024- https://doi.org/10.1016/j.bspc.2023.105306</p> <p>SCOPUS Publications:</p> <p>2. "Delay Minimization using Cooperative Localization to Avoid Multiple Vehicle Collision in Vehicular Adhoc Networks," 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2023, pp. 1-6, doi: 10.1109/ICSES60034.2023.10465522</p> <p>3. "Personalized Mobile App for Engineering Career Path Recommendation using Fuzzy Inference System," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICPECTS62210.2024.10780162.</p> <p>4. "Shetigram - Building a Digital Bridge Between Farmers and Consumers," 2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2024, pp. 1-7, doi: 10.1109/ICSES63760.2024.10910863.</p> <p>5. "Advanced Underwater Object Detection: Integrating Enhanced SSD with Comprehensive Image Enhancement Techniques," 2024 International Conference on Smart Technologies for Sustainable Development Goals (ICSTSDG), Chennai - 600077, Tamil Nadu, India, 2024, pp. 1-7, doi: 10.1109/ICSTSDG61998.2024.11026332</p> <p>6. "A Robust Methodology to Detect Glaucoma Disease using Modified Deep Learning Principles with Image Processing Logics," 2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICSES63760.2024.10910807.</p> <p>7. "Deep Neural Based Approach Along With LGBM – Seed Quality Evaluation for Plant Enrichment Guidance," 2024 International Conference on Communication, Computing, Smart Materials and Devices (ICCCSMD), Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICCCSMD63546.2024.11015190.</p>	

		<p>AIP Conference Proceedings:</p> <p>8.” Automated extraction of identifiers from object-oriented codebases”, AIP Conf. Proc. 3345, 020308 (2026)/ https://doi.org/10.1063/5.0298335</p> <p>9.“Advancements in machine learning for recommender systems:A focus on NNMFC and particle swarm optimization techniques”- AIP Conf. Proc. 3193, 020019,Nov (2024)/https://doi.org/10.1063/5.0235519</p>
	<p>IEEE Conferences/International & National Conferences:</p>	<p>1.”Smart Connect & Critical Care Using IOB” Conference: IEEE-Germany Section, 7th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA 2025),Nov-2025</p> <p>2. International Conference on Emerging trends in Mathematics and Computer Applications(ICETMCA’10) Paper title-Privilege Service to mitigate DOS threat using Web-referral hiding architecture-Secured approach, ISBN:978-81-8424-649-0,Pg.No:553-557</p> <p>3. International Conference on 4G Wireless computer networks(IC4GWN),”Mitigation of DOS attacks on Webserver through Trusted Link”, ISBN:978-81-8424- 665-0,Pg.No:465</p> <p>4. National Conference on Computer Applications for Managerial Excellence, Paper Title- Mitigate Denial of service threat detection/Filtering at the entry point, ISBNNO-81- 7735-907-2,Pg.No:137</p> <p>5. National Conference on Applications of DataMining in National Security& Department of Science And Technology,NewDelhi Paper Title- Secured target site access to mitigate Dos Threat using DDRHAPS architecture, ISBN:978-93-80697-51-2,pg no:143</p> <p>6. National Conference on Information and software Engineering-Organized by IEEE Computer Society,NCISE 2011, PaperTitle- Mitigation of denial-of-service attacks on web servers,Pgno:243,Vol:265</p>

21	<p>Patents Details :</p> <ol style="list-style-type: none"> AI BASED PREDICTION AND PREVENTION OF MUSCULOSKELETAL DISEASES DISORDERS,BONE TUMOUR AND CANCER USING IMAGE PROCESSING AND DEEPLARNING ALGORITHM -Published 2023- 02-17 AN AI BASED SELF-CONTRASTIVE LEARNING (SCL) SYSTEM FOR IMAGE-PROCESSING-Published 2024-10-25 MACHINE LEARNING ENABLED NAVIGATIONAL BLIND STICK WITH REAL-TIME OBSTACLE DETECTION AND ADAPTIVE GUIDANCE-Published on 30/05/2025 “ADAPTIVE MULTI-AGENT DEEP LEARNING FRAMEWORK FOR REAL-TIME DECISION OPTIMIZATION IN DYNAMIC ENVIRONMENTS”-Published on 02/01/2026 IOT BASED ORGANIC WASTE COMPOSTER -Granted on 2024-01-12 AI BASED ROBOT FOR OBJECT IDENTIFICATION -Granted on 2023-10-26
22	<p>Other Courses Completed:</p> <ol style="list-style-type: none"> NITTT- 8 MODULES Completed SIRD&PR Course conducted by Rural Development & Panchayat Raj Department, completed on Oct 2025. NPTEL DOMAIN-DATASCIENCE COURSES: <ul style="list-style-type: none"> Python for DataScience DataAnalytics for Python Introduction to Machine Learning Learning Analytics Tools Business Intelligence Advanced R Programming Introduction to LLM's
23	<p>FDP'S/STTP'S Attended:</p> <ul style="list-style-type: none"> ATAL FDP- Next-Gen Intelligence: AI Applications in Industry,Academia, and Beyond, 08/09/2025 to 13/09/2025. Attended 5-days Online FDP on Universal HumanValues in Technical Education,AICTE, 6th November 10th November 2023. Attended ONE WEEK- FDP on Presentation skills forEffectiveCurriculumImplementation,NITTTTR, 10/06/2024 to 14/06/2024 Attended Five days Virtual FDP's on “NextGen Disruptive Technologies”,26/12/25 to 31/12/25 Attended Five days FDP on Quantum Cryptography and CyberSecurity-A Symbiotic

		<p>Evolution,02/01/25 to 07/01/25</p> <ul style="list-style-type: none"> • Attended Two weeks International FDP on Research Tools, 3/7/23 to 14/07/23 • Attended Five days Faculty Development Programme on “Machine Learning In Healthcare” • One Week Online FDP On “Technology Insights in DataScience” • Attended FDP in INNOVATIVE AND EXPLORATORY IDEAS IN DATA SCIENCE- in Association with COGNIZANT for one week Program, 2/01/23 to 06/1/23 • Five days STTP on “Developing Research Culture in Education Institutes as per Recent Trends in Industry”,18/12/23 to 22/12/23 • One Week Online FDP On “Technology Insights in DataScience”,31/10/22 to5/11/22 • Attended 6 days FDP on “Data Journey:Discovering Science and Visualization” • One -week National Level Online FDP- “Generative AI-Models and Applications of Machine Learning”, 21-05 2024 to 25-05-2024 • One- week online FDP on “Taking Research to Next Level”,26/Sep/22 to30/Sep/22 • One-week online FDP on “Emerging Trends in Electronics and Communication for IoT Applications”,4/07/22 to 8/7/22 • Hybrid FDP workshop on “Software Architecture ,Design Patterns&CASE Tools” in association with Cognizant ,Aug1 to Aug 2,2011 • Attended One day “Workshop on FOSS”,VelammalEngineeringCollege
24	Any other relevant information:	
	<ul style="list-style-type: none"> • Organized Two days BootCamp on “Cyber Security and Quantum Computing”,2025 • Acted as a Reviewer in IEEE Contemporary Computing Innovations Conference,2026 • Institution IEEE SMC Society SCOPE Member-Executor 	