

Name of the Institution: SRI SAIRAM ENGINEERING COLLEGE

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

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10	Educational Qualification(s) :			
Qualifications	Specialization	Board / University / Institution	Year of Passing	Percentage
	-	S.D.A.MATRIC.HR.SEC. SCHOOL, CHENGALPATTU,TN	2002	72.83
	-	S.D.A.MATRIC.HR.SEC. SCHOOL, CHENGALPATTU,TN	2004	89.4
	B.E (CSE)	ANNA UNIVERSITY	2008	78 (First Class)
	M.Tech(IT)	ANNA UNIVERSITY	2011	8.3(CGPA) (FirstClass)

11	<b>Area of Specialization</b>		<b>Computer Science and Engineering</b>																																			
12	<b>Research Interest</b>		<b>Cloud Computing, Data Science and Machine Learning</b>																																			
13	<b>Professional Societies Membership : IEEE, IAENG and IEEE Systems, Man and Cybernetics Society</b> <b>IEEE Robotics and Automation</b> <b>IEEE Engineering Medicine and Biology Society</b> <b>IEEE Industrial Electronics Society</b> <b>IEEE Industry Applications Society &amp;IEEE Sight</b>																																					
14	<b>Experience Details:</b> <table border="1" data-bbox="244 739 1534 1224"> <thead> <tr> <th rowspan="2">Name of the Organization</th> <th rowspan="2">Designation</th> <th colspan="2">Period</th> <th rowspan="2">Nature of work</th> <th colspan="2">Experience</th> </tr> <tr> <th>From</th> <th>To</th> <th>Years</th> <th>Month</th> </tr> </thead> <tbody> <tr> <td>Sri SaiRam Institute of Technology</td> <td>Asst.Prof- III</td> <td>27.06.2013</td> <td>30.11.2013</td> <td>Teaching</td> <td>2</td> <td>5</td> </tr> <tr> <td>Sri SaiRam Institute of Technology</td> <td>Asst.Professor</td> <td>06.06.2022</td> <td>09.07.2001</td> <td>Teaching</td> <td>3</td> <td>6</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>Total Experience</b></td><td><b>5</b></td><td><b>11</b></td></tr> </tbody> </table>						Name of the Organization	Designation	Period		Nature of work	Experience		From	To	Years	Month	Sri SaiRam Institute of Technology	Asst.Prof- III	27.06.2013	30.11.2013	Teaching	2	5	Sri SaiRam Institute of Technology	Asst.Professor	06.06.2022	09.07.2001	Teaching	3	6	<b>Total Experience</b>					<b>5</b>	<b>11</b>
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15	<b>Courses Taught in UG/PG level:</b>		<ul style="list-style-type: none"> <li>• Python Programming</li> <li>• R Programming</li> <li>• Computer Networks</li> <li>• Fundamentals of Computing &amp; Programming</li> <li>• Software Engineering</li> <li>• Operating Systems</li> <li>• Object Oriented Programming</li> <li>• Computer Organization&amp; Architecture</li> <li>• Object Oriented Software Engineering</li> <li>• Object Oriented Analysis and Design with Rational Rose Software</li> <li>• Data Structures and Algorithms Lab</li> </ul>																																			
16	<b>Details of UG-Projects Guiding :</b>		UG Students- Passed out: (2 teams)Machine Learning & Block Chain, Fuzzy Logic <ul style="list-style-type: none"> <li>• UG(III-Year )-Pursuing:(2teams) Machine learning -Autism with Facial Expression &amp; Eye Disease Prediction</li> <li>• UG(IV-Year)Project-(2 teams) Using Machine Learning ,Blockchain Technology &amp; AR/VR</li> </ul>																																			

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

20.	List of Publications:	Journals& Conferences	SCI Journal, SCOPUS,IEEE CONFERENCE PAPERS, International & National Conferences
	<p><b>SCI Journal:</b></p> <p>1. Published paper on “<b>Skin Cancer Diagnosis: Leveraging Deep Hidden Features and Ensemble Classifiers for Early Detection and Classification</b>”, Biomedical Signal Processing &amp; Control ,Feb,2024-  <a href="https://doi.org/10.1016/j.bspc.2023.105306">https://doi.org/10.1016/j.bspc.2023.105306</a></p> <p><b>SCOPUS Publications:</b></p> <p>2. "<b>Delay Minimization using Cooperative Localization to Avoid Multiple Vehicle Collision in Vehicular Adhoc Networks,</b>" 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. "<b>Personalized Mobile App for Engineering Career Path Recommendation using Fuzzy Inference System,</b>" 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. "<b>Shetigram - Building a Digital Bridge Between Farmers and Consumers,</b>" 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. "<b>Advanced Underwater Object Detection: Integrating Enhanced SSD with Comprehensive Image Enhancement Techniques,</b>" 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. "<b>A Robust Methodology to Detect Glaucoma Disease using Modified Deep Learning Principles with Image Processing Logics,</b>" 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. "<b>Deep Neural Based Approach Along With LGBM – Seed Quality Evaluation for Plant Enrichment Guidance,</b>" 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><b>AIP Conference Proceedings:</b></p> <p>8.” <b>Automated extraction of identifiers from object-oriented codebases</b>”, AIP Conf. Proc. 3345, 020308 (2026)/  <a href="https://doi.org/10.1063/5.0298335">https://doi.org/10.1063/5.0298335</a></p> <p>9.” <b>Advancements in machine learning for recommender systems:A focus on NNMFC and particle swarm optimization techniques</b>”- AIP Conf. Proc. 3193, 020019,Nov (2024)/<a href="https://doi.org/10.1063/5.0235519">https://doi.org/10.1063/5.0235519</a></p>
	<p><b>IEEE Conferences/International &amp; National Conferences:</b></p>	<p>1.”<b>Smart Connect &amp; Critical Care Using IOB” Conference</b>: 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-<b>Privilege Service to mitigate DOS threat using Web-referral hiding architecture-Secured approach</b>, ISBN:978-81-8424-649-0,Pg.No:553-557</p> <p>3. International Conference on 4G Wireless computer networks(IC4GWN),”<b>Mitigation of DOS attacks on Webserver through Trusted Link</b>”, ISBN:978-81-8424- 665-0,Pg.No:465</p> <p>4. National Conference on Computer Applications for Managerial Excellence, Paper Title- <b>Mitigate Denial of service threat detection/Filtering at the entry point</b>, ISBNNO-81- 7735-907-2,Pg.No:137</p> <p>5. National Conference on Applications of DataMining in National Security&amp; Department of Science And Technology,NewDelhi Paper Title- <b>Secured target site access to mitigate Dos Threat using DDRHAPS architecture</b>, 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- <b>Mitigation of denial-of-service attacks on webservers</b>,Pgno:243,Vol:265</p>

21	<b>Patents Details :</b>
	<ol style="list-style-type: none"> <li>1. <b>AI BASED PREDICTION AND PREVENTION OF MUSCULOSKELETAL DISEASES DISORDERS, BONE TUMOUR AND CANCER USING IMAGE PROCESSING AND DEEPLARNING ALGORITHM</b> -Published 2023- 02-17</li> <li>2. <b>AN AI BASED SELF-CONTRASTIVE LEARNING (SCL) SYSTEM FOR IMAGE- PROCESSING</b>-Published 2024-10-25</li> <li>3. <b>MACHINE LEARNING ENABLED NAVIGATIONAL BLIND STICK WITH REAL- TIME OBSTACLE DETECTION AND ADAPTIVE GUIDANCE</b>-Published on 30/05/2025</li> <li>4. <b>“ADAPTIVE MULTI-AGENT DEEP LEARNING FRAMEWORK FOR REAL-TIME DECISION OPTIMIZATION IN DYNAMIC ENVIRONMENTS”</b>-Published on 02/01/2026</li> <li>5. <b>IOT BASED ORGANIC WASTE COMPOSTER</b> -Granted on 2024-01-12</li> <li>6. <b>AI BASED ROBOT FOR OBJECT IDENTIFICATION</b> -Granted on 2023-10-26</li> </ol>
22	<b>Other Courses Completed:</b> <ol style="list-style-type: none"> <li>1. <b>NITTT- 8 MODULES</b> Completed</li> <li>2. <b>SIRD&amp;PR</b> Course conducted by Rural Development &amp; Panchayat Raj Department, completed on Oct 2025.</li> <li>3. <b>NPTEL DOMAIN-DATASCIENCE COURSES:</b> <ul style="list-style-type: none"> <li>• Python for DataScience</li> <li>• DataAnalytics for Python</li> <li>• Introduction to Machine Learning</li> <li>• Learning Analytics Tools</li> <li>• Business Intelligence</li> <li>• Advanced R Programming</li> <li>• Introduction to LLM's</li> </ul> </li> </ol>
23	<b>FDP'S/STTP'S Attended:</b> <ul style="list-style-type: none"> <li>• ATAL FDP- Next-Gen Intelligence: AI Applications in Industry, Academia, and Beyond, 08/09/2025 to 13/09/2025.</li> <li>• Attended 5-days Online FDP on Universal HumanValues in Technical Education, AICTE, 6th November 10th November 2023.</li> <li>• Attended ONE WEEK- FDP on Presentation skills forEffectiveCurriculumImplementation, NITTTR, 10/06/2024 to 14/06/2024</li> <li>• Attended Five days Virtual FDP's on “NextGen Disruptive Technologies”, 26/12/25 to 31/12/25</li> <li>• Attended Five days FDP on Quantum Cryptography and CyberSecurity-A Symbiotic</li> </ul>

	<p>Evolution,02/01/25 to 07/01/25</p> <ul style="list-style-type: none"> <li>Attended Two weeks International FDP on Research Tools, 3/7/23 to 14/07/23</li> <li>Attended Five days Faculty Development Programme on “Machine Learning In Healthcare”</li> <li>One Week Online FDP On “Technology Insights in DataScience”</li> <li>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</li> <li>Five days STTP on “Developing Research Culture in Education Institutes as per Recent Trends in Industry”,18/12/23 to 22/12/23</li> <li>One Week Online FDP On “Technology Insights in DataScience”,31/10/22 to 05/11/22</li> <li>Attended 6 days FDP on “Data Journey:Discovering Science and Visualization”</li> <li>One -week National Level Online FDP- “Generative AI-Models and Applications of Machine Learning”, 21-05-2024 to 25-05-2024</li> <li>One- week online FDP on “Taking Research to Next Level”,26/Sep/22 to 30/Sep/22</li> <li>One-week online FDP on “Emerging Trends in Electronics and Communication for IoT Applications”,4/07/22 to 8/7/22</li> <li>Hybrid FDP workshop on “Software Architecture ,Design Patterns&amp;CASE Tools” in association with Cognizant ,Aug1 to Aug 2,2011</li> <li>Attended One day “Workshop on FOSS”,VelammalEngineeringCollege</li> </ul>
24	<p><b>Any other relevant information:</b></p> <ul style="list-style-type: none"> <li>Organized Two days BootCamp on “Cyber Security and Quantum Computing”,2025</li> <li>Acted as a <b>Reviewer</b> in IEEE Contemporary Computing Innovations Conference,2026</li> <li>Institution <b>IEEE SMC Society SCOPE Member-Executor</b></li> </ul>