




# Sai SRI SAI RAM INSTITUTE OF TECHNOLOGY

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Sai Leo Nagar, West Tambaram, Chennai - 600 044. [www.sairamit.edu.in](http://www.sairamit.edu.in)



## DEPARTMENT OF ARTIFICIAL INTELLIGENCE&DATASCIENCE

### Faculty details for the academic year 2022-23

<b>Name of the Faculty</b>	Dr.SUGANTHI.SU 	
<b>Gender</b>	FEMALE	
<b>DOB</b>	28.04.1981	
<b>Qualification</b>	M.Tech,PhD	
<b>Designation</b>	ASSOCIATE PROFESSOR	
<b>Date of Joining</b>	01.06.2013	
<b>UG Degree Completion</b>	MAY 2002	
<b>UG- Name of the University</b>	BHARATHIDASAN UNIVERSITY	
<b>PG Degree Completion</b>	NOV 2011	
<b>PG-Name of the University</b>	JNTU UNIVERSITY	
<b>Area of Specialization</b>	UG:ECE	PG:EMBEDDED SYSTEM
<b>PhD - Yet to be Registered</b>	-	
<b>PhD Pursuing</b>	-	

<b>PhD Completion</b>		NOV 2017
<b>Phd – Name of the University</b>		ANNA UNIVERSITY
<b>PhD Specialization</b>		WIRELESS SENSOR NETWORKS
<b>Research Interested area</b>		NETWORKING,EMBEDDED,CLOUD COMPUTING
<b>Courses Taught in UG / PG Level</b>		COMPUTERNETWORKS,IOT,EMBEDDED SYSTEM,ELECTRONDEVICES,WIRELESS NETWORKS,TRANSMISSION LINES
<b>Experience</b>	19	
	-	
	-	
	-	
<b>Attended</b>	9-WORKSHOP	<ol style="list-style-type: none"> <li>1.Workshop on PSOC at SWEC Hyderabad,August 2009.</li> <li>2.Low PowerVLSI at GKM CET,Chennai,August 2012.</li> <li>3.WirelessCommunication at GKM CET,Chennai,June 2012.</li> <li>4.Faculty empowerment program, GKM CET,Chennai,June 2012.</li> <li>5.R76Microcontroller,Annauniversity Chennai,February 2013</li> <li>6. Network orientation, VIT,Chennai,August 2013.</li> <li>7.Recent Trends in Renewable Energy,SSIT,March 2015.</li> <li>8.One day Workshop on Women Empowerments, Anna university Chennai August 2016.</li> <li>9. Attended “Tech workshop on Redhat (open source) Technology &amp; Industry Adaptation” on March 2018</li> </ol>
	5 -FDP	<ol style="list-style-type: none"> <li>1.EDA TOOLS for VLSI &amp;Signal Processing,SSN Chennai,may 2012.</li> <li>2.Embedded &amp;Real Time Systems,SriSaiRam Engg College,June 2016.</li> <li>3.Teaching Excellence in Engg &amp;Management Curriculum, SriSaiRam Engg College,June 2016.</li> <li>4.Crypt Analysis And Network Security, SriSaiRam Engg College,July 2016.</li> <li>5.Modern Teaching &amp;Learning Methodologies, Jeppiar Maamallan Engg College,May 2017.</li> <li>6.Optical Comunication&amp;Networks, SriSaiRam Engg College,June 2017</li> </ol>

<b>Organized</b>	5-WORKSHOP	<ol style="list-style-type: none"> <li>1.Organised Mission 10X workshop at GKM CET</li> <li>2.Organised knowledge sharing program for III year students.</li> <li>3.Organised guest lecture for II and III year on Cloud computing and fundamentals of C</li> <li>4.Organised Inter departmental paper presentation contest</li> <li>5.Organised a talk on Culture and progress of women</li> </ol>
	FDP	1.FDP on outcome based Education
	CONFERENCE	-
<b>Professional Membership</b>		IEEE, ISTE, IEI
<b>No. of papers published in National Journals / Conferences</b>		<p>18</p> <ol style="list-style-type: none"> <li>1.Development of Noise independent RSA based encryption &amp; decryption for secured image transmission through internet ,International conference at magna Engg college.2011.</li> <li>2.MEMS based Wireless control of an Anthropomorphic Robotic Arm –HMI 2013</li> <li>3.Survey of TRIP model in multi purpose data fusion process-ICCIT'15</li> <li>4.Digital Art for smarter environment-ICCST'17.</li> <li>5.Efficient energy and Radiation management in Wireless Network-ICACCS 2017,Sri Eshwar engg college.</li> <li>6.LPG Hazard Sense System-International conference at Jawahar engg college.</li> <li>7. Performance Analysis Of Neighbour Similarity Trust Estimation, Iccst'17.</li> <li>8.Green Radio Technology For Energy Saving In Mobile Towers,International Conference On Advanced Computing And Communication Systems-Icaccs-17</li> <li>9.Toxic Gas Hazards Sensing Systems,- Science And Innovative Engineering 2017.</li> <li>10.Microcontroller based monitoring and reprocessing system for waste water management.OSIET 2019.</li> <li>11.Image Analysis using Watershed.” National Conference on Science &amp; Technology (2013).</li> <li>12.Wireless monitor &amp; control system for environmental parameters in green house National conference at SSJ engg college(2013).</li> <li>13.Hazardous Gas Sensing System, National Conference On Information And Communication Engineering-Nice -17,</li> <li>14. Advanced accident detection using near Field communication ARICE2K18</li> </ol>

	<p>15. Automatic pill dispenser and patient health monitoring system ARICE2K19</p> <p>16. Heart pulse monitoring and safeguarding system ARICE2K19</p> <p>17. Coal mine safety system for mining workers using wusn and lora ARICE2K19</p> <p>18. Smart neural schema based volitional control for paralyzed people ARICE2K19</p>
<b>No. of papers published in International Journals / Conferences</b>	<p>7</p> <ol style="list-style-type: none"> <li>1. “Wireless Control of a Robotic Arm using Inertial Sensor.” International Journal of Engineering &amp; Advanced Technology , 2.4 (2013): 318-320.</li> <li>2. ‘A survey of TRIP model in datafusion of wireless sensor Networks, International Journal of Applied Engineering Research (ISSN: 0973 – 4562), vol. 10, n, pp. 204 – 207. (Annexure II).</li> <li>3. Multi swarm optimization for energy effective clustering in wireless sensor networks ,wireless personal communications,94(4),2487-2497.</li> <li>4. Raspberry PI based advanced communicationfor disaster management-International journal of engineering and technology, E-ISSN:2227-524X.</li> <li>5. A Thermal energy harvesting power supply with an internal startup powersupply for pacemakers Journal of Emerging Technologies and Innovative Research (JETIR)Apr 219,volume 6 issue ISSN-2349-5162.</li> <li>6. Avoidance And Control Of Vehicular Pollution, International Journal of Innovations in Engineering and Technology (IJET) <a href="http://dx.doi.org/10.21172/ijiet.123.16">http://dx.doi.org/10.21172/ijiet.123.16</a>, Volume 12 Issue 3 February 2019, ISSN: 2319-1058.</li> <li>7. Lab-on-Chip Technology: A Review on Future Scope in Biomedical Applications- Test engineering and management</li> </ol>
<b>No. of Books published</b>	Published one chapter on embedded system
<b>No. of UG Students Guided</b>	16 Batches
<b>No. of PG Students Guided</b>	-
<b>No. of PhD’s Guided</b>	-

<b>Research Funded Projects</b>	-
<b>Patents</b>	Patent filed-4 Granted-2
<b>Technology Transfer</b>	Reviwer-4,Lecture Delivered-4
<b>Achievements</b>	Professional scientist award in 2020
<b>email ID</b>	hodai@sairamit.edu.in
<b>Father Name</b>	K.SUNDARARAJU
<b>Mother Name</b>	M.GANDHI
<b>Phone Number</b>	9962987428
<b>Communication Address</b>	PLOT NO 5,G.P.SWAMY NAGAR,BALAMBIGAI PREETIKA APTS NANMANGALLAM,CHENNAI-129
<b>Permanent Address</b>	PLOT NO 5,G.P.SWAMY NAGAR,BALAMBIGAI PREETIKA APTS NANMANGALLAM,CHENNAI-129