

STAFF BIO – FORM

Name of the Institution : SRI SAIRAM ENGINEERING COLLEGE

Name of the Department: Computer Science and Engineering Staff ID: SITT21CS10

1	Name (in Block Letter) with initials at the end	:	Dr.S.Vidya		
2	Address for Communication	:	T7, Block A, Ashok Manor Apartments, 6th street, krishna nagar, west tambaram, CH-45.		
3	E-mail id (valid and functional)	:	vidya.cse@sairamit.edu.in		
4	Mobile Number (valid and functional)	:	7358218015		
5	Nationality	:	Indian		
6	Community	:	BC		
7	Gender	:	Female		
8	Date of Birth	:	21/12/1988		
9	Educational Qualification(s) :				
	Qualifications	Specialization	Board / University / Institution	Year of Passing	Percentage
	UG	B.E .CSE	Arulmigu Kalasalingam College of Engineering, Anna University	2010	85% (First Class with Distinction)
	PG	M.E.CSE	Sri Sai Ram Engineering College, Anna University	2014	8.78 (27th rank) (First Class)

					with Distinction)		
	Ph.D	Information and Communication Engineering	Anna University, Chennai	2021	9.25 (First class with distinction)		
10	<u>Professional Societies Membership :</u>						
	<ul style="list-style-type: none"> • IEEE (Senior Member) –Institute of Electrical and Electronics Engineers – 98061688. • CSI - Computer Society of India -I1506181. • ISTE- Indian Society for Technical Education – LM136088. • CSTA - Computer Science Teachers Association –198358015792. • IAENG - International Association of Engineers –323697. • IEI – Institution of Engineers (India) - AM3056441. 						
11	Experience in other Institutions / Industry :						
	Name of the Organization	Designation	Period		Nature of work	Experience	
			From	To		Years	Month
	Cognizant Technology Solutions (CTS)	Programmer Analyst	30.8.2010	06.4.2012	Testing	1	7
	St.Joseph's Institute of Technology	Assistant Professor	16.6.2014	31.3.2017	Teaching	2	9
	Kalasalingam Institute of Technology	Assistant Professor	1.6.2017	26.8.2021	Teaching	4	3
	Total Experience (A)					8	7
12	Experience in our Institution:						
	Name of the Organization	Designation	Period		Nature of work	Experience	
			From	To		Years	Month
	Sri Sai Ram Engineering College	Associate Professor	1.7.2025	Till date	Teaching	0	7
	Sri Sai Ram Institute of Technology	Associate Professor	9.9.2021	30.6.2025	Teaching	3	9
	Total Experience (B)					4.4 Years	
	Total Experience (as on 31.01.2026)			Grand Total (A+B)		13.1 Years	

13	BOOKS PUBLISHED :
	1. Dr.S.Vidya, “ Hybrid Approaches for Wind Speed Forecasting In India ”, ISBN 978-620-4-73737-9, LAP Lambert Publishing, Germany, 25.1.2022.
14	Patents Details : <ul style="list-style-type: none"> • Patent application no. 202541032927 with the title CHRONIC KIDNEY DISEASE PREDICTION USING MACHINE LEARNING has been published on 25th April, 2025. • Patent application no. 202541045957 with the title SMART AUTHENTICATION DOCUMENTATION USING QR CODE has been published on 6th June, 2025. • Patent application no. 202441017146 with the title IOT USES A MACHINE LEARNING APPROACH BUILT ON BLOCK-SPARSE CODING FOR ACCURATE DEVICE-FREE LOCALIZATION has been published on 29th March, 2024. • Published “IOT Based Nozzle and Shell Junction for Feed Waste Heater” on 28.01.2022 (Application no. 202141059532). • Published “Artificial Intelligence and IoT based Automatic Smart Health Care System to monitor and avoid Blood pressure and all types of Diabetes to avoid early stages for Healthy Life for all ages using WSN, Image Processing and Deep Learning Algorithms” on 04-11-2022 (Application no. 202211063166).
15	International Journal Publications (Indicate WOS /Scopus Indexed) : <p>SCI</p> <ol style="list-style-type: none"> 1. S. VIDYA, E. SRIE VIDHYA JANANI, B. SREEDEVI, ‘DCSNN optimized with hybrid Border Collie optimization and Archimedes optimization algorithms for solid waste prediction in Chennai’, Environment Protection Engineering, (pp. 5-25), Vol. 50, 2024, No. 1, DOI: 10.37190/epe240101. 2. S. Vidya, Veeraraghavan Jagannathan, T. Guhan and Jogendra Kumar, 2024, ‘Long-term and short-term rainfall forecasting using deep neural network optimized with flamingo search optimization algorithm’, Journal of Intelligent & Fuzzy Systems, vol. 46, no. 1, pp. 543-561, DOI:10.3233/JIFS-235798, Impact factor : 2. 3. Vidya, S & Srie Vidhya Janani, E 2021, 'Wind speed multi- step forecasting model using a hybrid decomposition technique and a selfish herd optimizer based deep neural network', Soft Computing, Springer, DOI:https://doi.org/10.1007/s00500-021-05608-5, Impact Factor: 3.050. 4. Vidya, S & Srie Vidhya Janani, E 2020, 'Tabu search algorithm based general regression neural network for long term wind speed predictions’, Automatika: Journal for Control, Measurement, Electronics, Computing and Communications, vol. 61, no. 4, pp. 657-669,

Impact Factor: 0.764.

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5. Vidya S*, Gayathri S, Dilsha M, Krithika S (2024), ‘Rainfall Based Flood Prediction in Kerala Using Machine Learning’, **International Journal of Intelligent Systems and Applications in Engineering**, 12(16s), 141–144. DOI: <https://ijisae.org/index.php/IJISAE/article/view/4800>.
6. Paper published in the **IEEE Xplore** “A Smart Watch Application to Detect Psychological State of Mentally Disturbed Patient”, [10.1109/ICCPC55978.2022.10072205](https://doi.org/10.1109/ICCPC55978.2022.10072205), Dec, 2022.
7. Paper published in the “**Lecture notes and Network systems**” in “Risk Prediction of Lung Disease using Deep learning approach”, vol.300, Springer, Cham. https://doi.org/10.1007/978-3-030-84760-9_40, Sep 2021.
8. Paper Published in the International Journal of Scientific and Technology Research in “**A Review on the Hybrid Approaches for wind speed forecasting**”, ISSN-2277- 8616, Vol-8, Issue 9, Sep-2019.

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9. S. Vidya, T. Veeramakali, N. C. Brintha, S. Inbasekar, 2023, ‘**Efficiency Predictor: Predicting the Consumption Efficiency of Humans by Machine Learning Technique**’, International Journal on Recent and Innovation Trends in Computing and Communication, 11(9), 2201–2203. <https://doi.org/10.17762/ijritcc.v11i9.9224>.
10. Paper published in the NeuroQuantology, “**Performance predictor: Predicting the future performance of students by Machine Learning approach**”, [10.14704/nq.2022.20.10.NQ551078](https://doi.org/10.14704/nq.2022.20.10.NQ551078), Vol.20, 10, 0.14704/nq.2022.20.10.NQ551078, Pg.-11122-11126.
11. Paper published in the “International Journal of Recent Technology and Engineering (IJRTE)” in “**Software Defect Estimation using Machine Learning Algorithms**”, vol.10, issue 1, pg. 204-208.
12. Paper published in the “International Journal of Scientific Research in Computer Science Engineering and Information Technology” in “**Cross Domain Sentiment Classification using Natural Language Processing**” ISSN: 2456-3307, Vol.3, Mar-2018.
13. Paper published in the “International Journal of Engineering Trends and Applications” in “**Product Review Analysis with Filtering Vulgarity and Ranking System based on**

Transaction Id and OTP” ISSN: 2393-9516, Vol.3, Nov-2016.

14. Paper published in the “International Journal of Advance Information Science and Technology” in “**Dynamic XML Dissemination Supporting Twig Pattern Queries**” ISSN: 2319-2618, Vol.17, No.17, Sep-2013, 1-4.
15. S Vidya, G.M.Manikanta Reddy , N.Sarath, M.Pradeep, “**FEATURE EXTRACTION FOR NEXT TERM PREDICTION OF POOR STUDENTS PERFORMANCE**”, International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), VOL.27, no.1, pp-1-4.
16. C. Marimuthu, S. Vidya, S. Diwakaran, “**Biogas Production from Poultry Wastewater using Anaerobic Digester**”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), vol.9, no.2s2, pp-1079-1083.
17. C. Marimuthu, S. Vidya, S. Diwakaran, “**Treatment of Textile Industry Wastewater Using Microbial Fuel Cell**”, International Journal of Recent Technology and Engineering (IJRTE), vol.10, no.x, pp-1-5.

Programs Organized :

- Organized five days Faculty Development Program on “NextGen DisruptiveTechnologies” during 26/12/25 - 31/12/25.
- Organized five days Faculty Development Program on “DEEP LEARNING TECHNIQUES USING PYTHON AND TENSORFLOW” during 01/07/2025 - 05/07/2025.
- Organized three days Faculty Development Program on “Data Analytics and Visualisation using Python with Anaconda” during 23/01/2025- 25/01/2025.
- Organized five days Faculty Development Program on “Exploring AWS Cloud Essentials for Beginners” during 19/6/24 - 25/6/24.
- Organized a seminar on "IoT for Smart Cities" for III-CSE students on 20/9/23. Resource person: Dr.K.Saravanan, Associate Professor, Anna University, Chennai.
- Organized a seminar on "Artificial Intelligence" for III-CSE students on 8/2/23. Resource person: Ms.Ganga Dinesh, Software Developer(ML), Retech solutions Pvt Ltd.
- Organized a seminar in association with IEI on "DBMS" for II-CSE students on 24/4/23. Resource person: Dr.Punithavathi, Research and Engineering Scientist, ZOHO corporation pvt. limited, Chennai.
- Organized a seminar on "Problem solving using Data Structures" for II-CSE students on 28/11/22. Resource person: Dr.K.S.Arikumar, AP, SCOPE, VIT-AP.

16	<p>Proposal submitted :</p> <ul style="list-style-type: none"> Submitted Project proposal on “Development of high performance computing tool using Deep Learning Architectures with Genomic Science for assessing Alzheimer’s Disease” as PI to SERB-POWER (Ref. No. : 162024000316). Submitted Project proposal on “Effective classification of Mesenchymal cells using SVM-Stem Cell Optimization” as Co-PI to SERB- POWER (Ref. No. : 162024001564).
17	<p><u>Contribution to the Department :</u></p> <ul style="list-style-type: none"> Faculty Development Program Incharge. III year co-ordinator. Class committee Chair person. Class Co-ordinator. NBA Criteria 9 incharge. Research and Development Committee member.
18	<p><u>Contribution to the College :</u></p> <ul style="list-style-type: none"> Strategist of code club.
19	<p>Any other relevant information:</p> <p><u>CONSULTANCY WORK:</u></p> <ul style="list-style-type: none"> Completed consultancy work in Edwisely company for the amount of 13,000/- by developing Course contents and MCQ for “Design Thinking and SoftwareArchitecture”. Completed consultancy work in Edwisely company for the amount of 13,000/- by developing Course contents and MCQ for “Service Oriented Architecture”. Completed consultancy work in Edwisely company for the amount of 13,000/- by developing Course contents and MCQ for “Software Testing and Quality Assurance”. Completed consultancy work in Edwisely company for the amount of 13,000/- by developing Course contents and MCQ for “Financial and Cost Accounting”. <p><u>REVIEWER:</u></p> <ul style="list-style-type: none"> Served as reviewer for 2025 IEEE Technically Co-sponsored Second International Conference on Intelligent Innovations in Engineering and Technology (ICIET-2025), PSG College of Technology, held during 4th – 6th December 2025. Served as reviewer for 2025 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT-2025), organised by the National Institute of Technology Puducherry, Karaikal, during December 6-7, 2025. Served as reviewer for International Conference on Health Informatics, Intelligent systems and Networks Technologies (HINT’25) organized by the School of Computer Engineering, Manipal Institute of Technology, Manipal during 15-16 October 2025.

- Served as reviewer for **1st IEEE International Conference on Robotics and Mechatronics (ICRM 2025)**, Kerala, India on November 7–8, 2025 held at Amrita Vishwa Vidyapeetham, Amritapuri Campus.
- Acted as reviewer for "**3rd IEEE International Conference on Artificial Intelligence for Internet of Things - AIIoT 2024**".
- Received certificate that recognizes the valuable **mentorship** of to the **participants of ATL Tinkerpreneur 2024**.
- Peer reviewer at IEEE "**International Conference on Emerging Techniques in Computational Intelligence (ICETCI 2024)**" organized by Mahindra University, École Centrale School of Engineering, Hyderabad, from 22-24 August 2024.
- Volunteered as a **Proctor Ambassador in the IEEEExtreme 18.0** programming competition that hosted +19,000 participants 26th October 2024.
- Volunteered as a **Proctor Ambassador in the IEEEExtreme 17.0** programming competition that hosted +19,000 participants 29th October 2023.
- Reviewer for the 1st **International Conference on Communication Systems (ICOCS - 2023)**, organized by the Department of Electronics and Communication Engineering, National Institute of Technology Puducherry.
- Served as reviewer for **2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT-2024)**, organised by the National Institute of Technology Puducherry, Karaikal, in association with IEEE MADRAS SECTION during July 4-5, 2024.
- Reviewed papers in IEEE conference "**IConSCEPT 2023**" conducted by NIT Puducherry.
- Reviewer of "**Journal of Engineering Research and Reports**" from 2022.
- Reviewer for the "**International Conference on Recent Trends in Data Science and its Applications – (ICRTDA -2023)**" by SRM Institute of Science and Technology, March, 2023.
- Reviewer of Journal "**Bulletin of Electrical Engineering and Informatics**" (BEEI) from January 2020.

AWARDS:

- Awarded as "**Young Researcher award**" by CSI Kancheepuram Chapter in 2022.
- Awarded as "**Best Young Faculty award**" by Novel Research Academy in 2021.
- Recognized as "**NPTEL MENTOR**" for the course "Introduction to

IOT”.

- Certified as "Enterprise Design Thinking Practitioner" and "Enterprise Design Thinking Co-creator" from IBM.
- Certified as “INNOVATION AMBASSADOR” (RESKILLING, FOUNDATION LEVEL) conducted by MoE’s Innovation Cell & AICTE during 2024-25.
- Certified as “Apple Teacher”.

RESOURCE PERSON

- Received certificate of appreciation for acting as **RESOURCE PERSON FOR ONE WEEK International FDP on “Empowering Educators with AI: From Research Tools to Generative Innovations”** organized by **Department of CSE-AI & ML, Madanapalle Institute of Technology & Science, Andhra Pradesh.**
- Acted as Resource person for the webinar on “**Scratch Coding Visual Interface**” organized by Department of Information Technology, **SRM Madurai College for Engineering and Technology** on 29.9.23.
- Acted as **Session Chair** in “**International Conference on Recent Advances in Engineering and Computer Applications (ICRAECA 2023)**” by LJ University, Ahmedabad, July, 2023.
- Member of Technical Committee in **National Conference on Information and communication Engineering**, April'23.
- Delivered a webinar on “**Data Analytics using Python**” in Kalasalingam Academy of Research and Education, 16.3.22.
- Acted as Resource person and provided hands-on training on "**Artificial Intelligence for MRI classification**" in six days FDP (12.9.22 to 17.9.22) in SRM Institute of Science and Technology, Chennai.
- Acted as **Session Chair** in **IEEE Conference ICCPC'22** conducted in Sri Sai Ram Institute of Technology on Dec'22.

ONLINE CERTIFICATION COURSES

- Received **NPTEL DOMAIN CERTIFICATION IN DATA SCIENCE.**
- Successfully completed **Microsoft SQL certification training and SQL course** by INTELLIPAAT.

- Received NPTEL Mentor certificate for the courses – **Software Engineering, Introduction to Machine learning, Internet of Things.**
- Successfully completed the 5-day online FDP on the theme “**Inculcating Universal Human Values in Technical Education**” organized by (AICTE) from 11th July to 15th July 2022.
- Successfully completed **8 modules** of "National Initiative of Technical Teachers Training" (NITTT) from AICTE.
- Completed Cognitive course online certification on “**Moving Data into Hadoop**”, “**Big Data**”, “**NoSql DbaaS**”.
- Completed udemy course online certification on “**Python for Time series data analysis**”.
- Completed NPTEL courses – **Python for Data Science, Data Science for Engineers, Introduction to Machine Learning, Learning Analytics Tools.**
- Completed **IBM courses – Machine learning with Python.**
- Completed the course on “**Social Emotional Education: Knowledge to Practice (SEEK) course**”, November, 2025.
- Received certificate of participation for “**MONGODB ACADEMIC SUMMIT**”, December 2025.

STARTUP

- Have startup named "**DHURGESHRAAMAN TECHNOLOGIES AND ENTERPRISES**" under **MSME. Udyam** registration number: UDYAM-TN-08-0042706.

ACHIEVEMENTS

- **Secured 27th rank in M.E. among 4098 candidates.**
- Secured ‘S’ grade in Coursework in Ph.d.
- Received “**Travelers Star Program Award**” from **COGNIZANT TECHNOLOGY SOLUTIONS (CTS).**
- District Topper in Language in XII Std.
- Bronze Medalist in Interhouse Competitions.
- **ILANTAMILARIGNAR AWARD** (Awarded by Bharathiar Maanavar Tamil Mandram).
- Secured First Class in Prathamik Examination conducted by Dakshina Bharat Hindi Prachar Sabha, Chennai.
- More than 90% pass percentage in Anna University Examinations for the subjects handled.

CONFERENCES/WORKSHOP/FDP ATTENDED

- Total no of Workshop/FDP attended - 45

SMART INDIA HACKATHON EVALUATOR

- Received certificate for exceptional contribution as an **Evaluator for National Screening Round for Smart India Hackathon, 2025.**

JURY

- Acted as Jury for **InnovaTN25** as a part of the **State level ATL INNOVATION CHALLENGE** on 8/11/25.