Sri Sai Ram Engineering College
Department of Computer Science and Engineering
Faculty Profile

Name & Photo :	 Dr N Vanitha
Designation:	Associate Professor
Qualification :	M.E., Ph.D.
Area of Specialization :	Machine Learning, Ontology
Experience :	Teaching : 11.2
	Industry :-
No. of workshop / Conferences / FDP attended :	42

Publication :	Journal
	        National: 0
	        International: 12

	Conference
	        National: 4
	        International: 14

	Indexed SCI : 1 WOS : 1 SCOPUS : 7 Others : 2
	Book Chapter: -
	Patents: Published : 1 Granted : 1
Membership in Professional bodies:	- Life member of Indian Society of Technical Education ISTE, New Delhi - Active IEEE Member for 4 years
Responsibilities :	- Acted as Class Coordinator - Acted as IIC Coordinator - Acted as Project Coordinator, Live-in-Lab
Achievements:	

| | • Advancced Certification in DataScience and AI conducted by iHUB DivyaSampark at IIT Roorkee |
| | • Producing 90 to 100% results |

PROFESSIONAL EXPERIENCE: 11 years 1 Month

Name of the Organization	Period		Designation	Experience	
	From	To		Years	Months
New Prince Shri Bhavani College of Engineering & Technology	22/08/2012	29/01/2021	Assistant Professor	8	5
Sri Sairam Institute of Technology	17/05/23	05/06/24	Assistant Professor	1	0
Sri Sairam Institute of Technology	06/06/24	24/07/25	Associate Professor	1	1
Sri Sairam Engineering College	25/07/25	Till Date	Associate Professor	0	7

PATENT DETAILS:

1. Smart Contract - Based Medical Billing And Payment System For Iot- Enabled Health Care Services, N Priya, C Anuradha, N Vanitha - Patent No. 202341087828

WORKSHOP / TRAINING / FDP ATTENDED

1. Attended National Workshop on **"Simulators & Industrial Applications on Cloud"**, Organized by Jerusalem College of Engineering, Chennai on 21st – 22nd August, 2014.
2. Attended Training in **"IBM SEED Program"**Organized by New Prince Shri Bhavani College of Engineering & Technology, Chennai on 19th – 20th August, 2014.
3. Attended National Workshop on **"Big Data Ecosystem"** Organized by Jerusalem College of Engineering, Chennai on 20th – 21st February 2015.
4. Attended Training in **"Quality and SIX Sigma"**, Organized by New Prince Shri Bhavani College of Engineering & Technology, Chennai on 14th October, 2015.
5. Attended Faculty Development Training Program on **"CS6403 – Software Engineering"**, Organized by College of Engineering, Anna University, Chennai on 3rd – 9th June 2016.

6. Attended Seminar on **"Highly Effective Teaching & Learning Methodologies"**, Organized by New Prince Shri Bhavani College of Engineering & Technology and Supported by Tamilnadu State Council for Science and Technology (TNSCST) on 3rd November 2018.

7. Attended Faculty Development Training Program on **"A Step Towards Successful Research",** Organized by IQAC of New Prince Shri Bhavani Arts and Science College on 11th January 2019.

8. Completed online course on Data Mining at NPTEL on 7th May 20019

9. Attended Webinar on "Block chain", Organized by Jerusalem College of Engineering on 28th October 2020.

10. Attended Webinar on "Industry 4.0 : Advancement of Robotics and Intelligence Systems", Organized by New Prince Shri Bhavani College of Engineering & Technology on 08 June 2020

RESEARCH PUBLICATIONS

a)   INTERNATIONAL JOURNALS

1. Optimized Cancer miRNA Biomarker Classification Using Dynamic Multi-Resolution Spatio-Temporal Attention Network (DMR-STANet) with Adaptive Transfer Learning

   Kausar S.;Somasundar A.;Kardile C.;**Vanitha N.**;Vaduganathan S.;Arivazhagan H. 11th International Conference on Communication and Signal Processing Iccsp 2025, Year 2025, Pages 480-485 DOI:10.1109/ICCSP64183.2025.11089281

2. Intelligent Garbage Collection Systems For Smart Cities, **Vanitha N.**;Vivekanandan G.;Nehashree G.;Sasmitha S.;Keerthana M.;Laashya Lakshmi M. Conference Paper 2025 International Conference on Data Science and Business Systems Icdsbs 2025, Year 2025 DOI:10.1109/ICDSBS63635.2025.11031659

3. Countering DoS Threats in WSN: Inventive Machine Learning Strategies with a Minimalistic Twist Chidambaranathan S.;**Vanitha N** ;Sasireka C.S.;Jose N.N.;Rao K.M.;Devi T.L. - Conference Paper 2024 IEEE International Conference on Smart Power Control and Renewable Energy Icspcre 2024, Year 2024 DOI:10.1109/ICSPCRE62303.2024.10675093

4. Avian Identification: Utilizing Xception Algorithm for Bird Breed Discrimination, Raja S.R.;Suganthi P.;Vivekanandan M.;**Vanitha N.**;Vivekanandan G.;Venu N. Conference Paper Tqcebt 2024 2nd IEEE International Conference on Trends in Quantum Computing and Emerging Business Technologies 2024, Year 2024 DOI:10.1109/TQCEBT59414.2024.10545219

5. Attendance Management System Using Facial Recognition **Vanitha N**, Guruprasan V, Naveen S, Kiran Kumar Kesavan International Journal of Science,Engineering and Technology, Volume 12, Year 2024, Pages 1-7 DOI:10.61463/ijset.vol.12.issue2.133

6. A Decentralized File Storage Solution Using IPFS and Blockchain, **N Vanitha**, A Janani, Jeevasri Supraja D, Varsha Vijaykumar, International Journal of Science, Engineering and Technology, Year 2024.

7. An ontology based cyclone tracks classification using SWRL reasoning and SVM, **N. Vanitha,** C. R. Rene Robin and D. D. H. Miriam, Computer Systems Science and Engineering, vol. 44, no.3, pp. 2323–2336, (2023).

8. A Spatial Temporal Classification Analysis And Visualization Of Tropical Cyclone Tracks In Bay of Bengal Using GIS, **N, Vanitha**., C, R. Rene Robin., D, Doreen. Hephzibah. Miriam. (2022). J Marine Science Research and Oceanography, 5(3),145-156.

9. Vehicle License Plate Detection Using Bounding Box Technique, **Vanitha N**, Rene Robin C R, Doreen Hephzibah Miriam D, N Sankar Ganesh,Advances in Parallel Computing, Volume 38: Smart Intelligent Computing and Communication Technology, pp. 155 - 161, (2021), doi 10.3233/APC210028.

10. Segmentation of Tropical Cyclone Eye Using Satellite Infrared Images, **N Vanitha**, C R Rene Robin, International Journal of Recent Technology and Engineering (IJRTE) , Volume-8, Issue-2S5, July 2019.

b) **INTERNATIONAL CONFERENCES**

1. N Vanitha, C R Rene Robin "A Survey of Clustering Techniques of Text Documents"in International Conference on Emerging Trends in Science Engineering & Technology(ICETSET), 17th – 18th March, 2017.

2. N.Vanitha, B Ishawariya, " Human Face Recognition using Principal Component Analysis Method", in International Conference on Innovation in Science and Engineering Research (ICISER'18) on 23rd – 24th March, 2018.

c) **NATIONAL CONFERENCES**

1. N Vanitha, J E Judith, "Hierarchically Distributed Peer to Peer Text Clustering with Seeds Affinity Propagation", in National Conference on Electrical Sciences, GNEESIC'12, 15th – 16th March 2012.

2. N Vanitha, J E Judith, "On Privacy Preservation of Text Data with Sketches in SAP Clustering", in National Conference on Emerging Trends in Electronics and Communication, NCETEC'12, 2nd March 2012.

COURSES COMPLETED:

S. No.	Name of the Course	Certified by	Date
1	Apple Teacher	Apple	18.11.2025
2	Social Emotional Education: Knowledge to Practice (SEEK)	UNESCO MGIEP	Nov 2025
3	Panchayat Administration and Rural Development Schemes	State Institute of Rural Development and Panchayat Raj (SIRD)	Sep 2025