



# 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)



Name : **P.SUGANTHI**  
 Designation : **Assistant Professor**  
 DOB : 02.03.1978  
 Unique ID (College ID) : **IT22CS01**  
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Qualification :

UG	B.E/B.Tech/B.Sc./ B.A./BBA/B.Ed.	Date of Completion	University	% of Marks	Class
	B.E	30.04.1999	BHARATHIAR UNIVERSITY	74.04%	FIRST CLASS
PG	B.E/B.Tech/B.Sc./ B.A./BBA/B.Ed.	Date of Completion	University	% of Marks	Class
	M.E	31.05.2012	ANNA UNIVERSITY	85.58 CGPA	FIRST CLASS WITH DISTINCTION
Ph.D	Date of Completion	Field of Specialization	University	NA	NA
	Doing Ph.d	Machine Learning	Anna University		
SLET Marks	NET Marks	Date of Eligibility			
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Area of Specialization : Computer Science And Engineering

Research Interest : Machine Learning

Experience in years : Teaching  Research  Industry  Others

Courses Taught in UG / PG Level : Compiler Design, Operating Systems , Database management Systems, Machine Learning , Python Programming , C programming Object Oriented Programming , Java Programming , Software Project Management ,Data Structures , DAA

Nof Conference FDP attended : Workshop 10 Conferences 11 FDP 15

No. of Workshop/Conferences/

FDP Organized : Workshop 3 Conferences 2 FDP 0

Professional Membership	ISTE,CSI, IEEE,IANG		
Publications	No. of papers published in National Journals / Conferences :12		
	No. of papers published in International Journals / Conferences:8		
	No. of Books published :4		
	Name of the Book	ISBN No:	Year of Publication
	Database Management System	ISBN 978-93-804302-9-4	2018-2019
	Python Programming	ISBN 978-93-5762-030-7	2023
	Introduction to Computer Network and Security	ISBN 978-93-5625-543-2	2022
	Machine Learning	ISBN 978-93-6010-501-3	2023
Research Guidance	No. of UG Students Guided:35 No .of PG Students Guided:0 No of Ph.Ds Guided:0		
Research Funded Projects	NIL		
Patents	Filed:3 Granted:1		
Technology Transfer	Presented Papers and Seminars		
Achievements	100% result achieved for the subjects Compiler Design Database Management System Software Project Management. Python Programming		
Any Other Information	Obtained Anna University Rank in M.E (CSE)		

Seminars and FDP Attended	<ul style="list-style-type: none"> <li>▪ Attended a Course in Object Oriented Software Engineering held at Sai Ram Engineering College, Chennai during Feb 2004</li> <li>▪ Attended an FDP (Faculty Development Program) in Software Engineering held at SSN College of Engineering during November 2003 for 5 days conducted by Anna University</li> <li>▪ Attended a National Level Workshop on “Techniques and Tools in Data Mining” held at Sathyabama University on 8th and 9th of September 2011 conducted by Department Of CSE.</li> <li>▪ Attended a workshop on “Ethical Hacking and Information Security” held at Sri Muthukumaran Institute of Technology on 16th and 17th of September 2011 conducted by Kyrion Digital Securities</li> <li>▪ Attended a one-day workshop in “cloud computing “held at MIT, Chennai on august 2013.</li> <li>▪ Attended a “Workshop on Network Security” held at Sri Sairam institute of technology, Chennai on 19th and 20th February 2014.</li> <li>▪ Attended an one day workshop in “How to write Research Papers for referred Journals “held at Sri Sairam Institute of technology, Chennai on 24th January 2015.</li> <li>▪ Attended a Faculty Enabled Program in “A step to outcome-based accreditation” held at Sri Sairam institute of Technology, Chennai on 4th April 2015.</li> <li>▪ Attended a “One day workshop on Big Data” held at St Joseph Institute of Technology, Chennai on 12th January 2016.</li> <li>▪ Attended a Workshop in “Intellectual property Rights” held at Vellore Institute of Technology, Chennai on 8th April 2016.</li> <li>▪ Attended a Faculty Development Program in “Data Science and Big Data Analytics” held at Sri Sairam institute of technology, Chennai from 19th June 2017 to 23 June 2017</li> <li>▪ Attended a Faculty Development Program in “PYTHON PROGRAMMING” held at Sri Sairam institute of technology, Chennai on June 2018</li> <li>▪ Attended a Faculty Development Program in “REDHAT LINUX” held at Sri Sairam institute of technology, Chennai on 02.03.2018</li> <li>▪ Attended a Faculty Development Program in “Agile much of culture” held at Sri Sairam institute of technology, Chennai on 23rd august 2018</li> </ul>
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	<ul style="list-style-type: none"> <li>▪ Attended a Faculty Development Program in “Engineering Teaching Pedagogy and Teaching Learning Process” held at Sri Sairam Engineering College, Chennai from 3 to 7 Dec 2018</li> <li>▪ Attended a Industrial Training in “Problem Solving and Python Programming” held at Sri Sairam institute of technology, Chennai on 5<sup>th</sup> and 6 th June 2018</li> <li>▪ Attended a Attended a Faculty Development Program in “Introduction to cloud computing ” held at “Ethiraj College for Women”, Chennai on 28 &amp; 29<sup>th</sup> Mar 2019</li> <li>▪ Attended FDP on Machine Learning during October 2024</li> <li>▪ Attended FDP on AWS at BVC college of engineering during Ausust 22<sup>nd</sup> to 27<sup>th</sup> , 2022</li> <li>▪ Attended FDP on Machine Learning during December 11<sup>th</sup> to 15 th , 2022 at sing had Institute of Technology</li> <li>▪ Attended a FDP on topic Recent Advancement in Intelligent computing technologies during dec 19<sup>th</sup> to dec 23<sup>rd</sup> at sri Krishna engineering college</li> <li>▪ Attended an FDP at SRM Easwari Engineering College on Topic Data Science Tools during November 2022</li> <li>▪ Attended FDP on Data Science and Machine Learning Pravara Rural Engineering during January 2023</li> <li>▪ Attended FDP on Data science and Chat GPT at KL Deemed university during May 2023</li> <li>▪ Attended UHV-II fdp during May 2024 at Sri Sairam Engg College</li> <li>▪ Attended an FDP on Generative AI models at Shri Vishnu Engineering College during May 2024</li> <li>▪ Attended Prompt Engineering and Generative AI FDP at Sri Sairam Institute of Technology during August 2025</li> <li>▪ Attended an ATAL FDP on Next Gen Technologies during November 2025 at St.Joseph Institute of Technology</li> </ul>
Events Organized	<ul style="list-style-type: none"> <li>▪ Organized - symposium FANATICOS 2014- on 26th August 2014</li> <li>▪ Organized a National conference on Information and Communication Engineering during March 2019 called as NICE’19</li> </ul>
Papers Published	<ul style="list-style-type: none"> <li>• Employee Attrition Prediction: a Machine Learning Approach P Suganthi, M Priyadarshini, VS Kumar 2025 IEEE 14th International Conference on Communication Systems and Network ...</li> </ul>

- Empowering an IoT platform with advance quantum computing and a customized deep residual technique  
P Ashok, T Ragunthar, TPG James, KKA Sahayaraj, P Suganthi, ...  
Optical and Quantum Electronics 56 (11), 1867
- Limitations of Visually Impaired  
N Pargavi, K Abirami, P Suganthi  
Perspective and Strategies on Newage Education and Creative Learning ...
- Design of a smart agricultural system for prediction and recommendation using IoT  
T Ragunthar, P Ashok, S Shreepad, P Suganthi, G Malathi, JTP Godwin  
Research Advances in Network Technologies, 155-172
- IoT-Based Assets Tracking Using Machine-Learning Models  
V Srinivasa Kumar, P Suganthi, Vigneshwaran  
Congress on Intelligent Systems, 407-424
- Iot-based smart cities: Challenges and future perspectives  
C Singh, S Chadha, S Bathrinath, I Dixit, T Sathish  
2024 Ninth International Conference on Science Technology Engineering and ...
- Vision Enhancement using Image Processing.  
M Sinthuja, S Pravinthraja, SS Rachel, P Suganthi  
Grenze International Journal of Engineering & Technology (GIJET) 10
- Detection of Breast Cancer Diagnosis Algorithm Based on TWCNN Technique  
B Singh, TI Ahmed, P Suganthi, S Ananthi, K Pant, MK Koul  
Computational Intelligence for Clinical Diagnosis, 117-132
- An Automated System Based on Informational Value of Images for the Purpose of Classifying Plant Diseases  
B Jeyapoornima, P Suganthi, VV Chowdary, VRU Sai, BN Venkat  
2023 International Conference on Artificial Intelligence and Knowledge ...
- Python Programming  
MSA Mrs.P.Suganthi
- ANTI JAMMING VEHICLE COMMUNICATION WITH MACHINE LEARNING TECHNIQUES  
RV ASHOK.P, KAVINILAVU A ,Dr.P.Ranjith ,ESTHER C,Prabahar Godwin James ,P ...
- Deployment of Scalable Cloud Based Image Processing Application Using Fuzzy Coupled Learning Technique  
B Mathivanan, KR Nandhashree, C Radhakrishnan, S Ananthi, ...2022 1st International Conference on Computational Science and Technology ...
- An intelligent Service Based System on Wireless Sensor Networks for supportable consignment Transportation  
JH P.Suganthi , Esther C , G.Ramkumar , Chayan Paul  
River Publishers Series in International Conference on Advances in
- Computer Vision-Based Detection and Recognition Model of Objects for any Autonomous Systems in Low Illumination Condition

P Ashok, A Kavinilavu, S Ananthi, P Suganthi, EU Iniyan  
 2022 2nd International Conference on Advance Computing and  
 Innovative ...

- Predicting Melancholy risk among IT professionals using Modified Deep Learning Neural Network (MDLNN)  
 S Rosaline, MA Nasreen, P Suganthi, T Manimegalai, G Ramkumar
- 2022 IEEE 11th International Conference on Communication Systems and Network ...  
 Assessment of Drinking water quality by Machine learning-based sensors  
 SNS Chitaranjan Dalai1, Syed Azahad2, P. Suganthi3  
 Bulletin of Environment, Pharmacology and Life Sciences 11 (5),  
 ISSN 2277-1808
- Introduction to Computer Network and Security  
 PS Sahil Bains, Keerthipati Kumar, P. Ashok
- Smart hospitals E-medico management system  
 SP Raj, NS Kavitha, SS Rachel, P Suganthi  
 International Journal of Recent Technology and Engineering 8 (3),  
 4651-4655
- DATABASE MANAGEMENT SYSTEMS  
 GV P. Suganthi
- FINGER PRINT AUTHENTICATION FOR INTERNET BANKING ALONG WITH ONLINE SHOPPING  
 VK Suganthi, P. Pavithra, N. Sneka, K  
 International Journal of Pure and Applied Mathematics 119 (Special Issue ...)
- DETECTION AND PREVENTION OF BOTNET AND SYBIL ATTACK IN SOCIAL MEDIA  
 P Suganthi  
 International Journal of Creative Research Thoughts (IJCRT) 5 (4),  
 ISSN ...
- BOTNET AND SYBIL ATTACK DETECTION AND PREVENTION IN SOCIAL MEDIA  
 Suganthi, P, Abirami, P, Aishwarya Rajaram  
 International Journal of Science and Innovative Engineering & Technology ...
- Innovations of Routing and Secure Dispatching of Packets in MANET  
 SPTB Rajalakshmi D1  
 International Journal of Applied Engineering Research 10 (ISSN 0973-4562), 75
- Personal Name Aliases Extraction From The Web  
 P Suganthi  
 International Conference on Futuristic Trends of Computer Science ...
- Online Password Guessing Attack Using PGRP “ for SILICON  
 P Suganthi  
 State Inter Level IEEE conference

Nptel Certifications	Nptel - Domain Certified – Data Science Nptel – Discipline Star Nptel – Motivated Learner
Patent Details	<p>IOT, AI, ML, DL based identification and prevention of Tropical- Cyclones using Satellite Image</p> <ul style="list-style-type: none"> <li>• Patent No. 202241012140</li> <li>• Filed 2022-03-07</li> <li>• Published 2022-03-25</li> </ul> <p>Developing anti jamming Vehicle communication with machine learning</p> <ul style="list-style-type: none"> <li>• Patent No. 202241061625</li> <li>• Filed 2022-10-28</li> </ul> <p>AI BASED PREDICTION AND PREVENTION OF MUSCULOSKELETAL DISEASES DISORDERS, BONE TUMOUR AND CANCER USING IMAGE PROCESSING AND DEEP LEARNING ALGORITHM</p> <p>Patent No. 202341008177</p> <ul style="list-style-type: none"> <li>• Filed 2023-02-08</li> <li>• Published 2023-02-17</li> </ul> <p>AN ARTIFICIAL INTELLIGENCE ENABLED REAL TIME MUSIC RECOMENDATION SYSTEM</p> <ul style="list-style-type: none"> <li>• Filed 2024-03-19</li> <li>• Published 2024-03-29</li> </ul> <p>IOT BASED ORGANIC WASTE COMPOSTER</p> <ul style="list-style-type: none"> <li>• Filed 2023-11-23</li> <li>• Published 2024-01-12</li> </ul>