


**SRI SAI RAM ENGINEERING COLLEGE, CHENNAI-44**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Name & Photo :	J.JEGAN AMARNATH 
Designation:	Associate Professor
Qualification :	B.E., M.E.,(Ph.D)
Area of Specialization :	Data Mining and Data Warehousing.
Experience :	Teaching : UG: 17 YEARS PG : 3years Industry : 6 MONTHS
No. of workshop / Conferences / FDP attended:	9 / 25 / 24
Publications :	Journals National :10 International :8 Conferences National : 12 International : 14 Patent: 7 Book : 3
Research Guidance :	NIL
General :	<ul style="list-style-type: none"><li>● Acted as ISO Coordinator</li><li>● Acted as Coordinator and Session Chair In-charge for International Conference ICCST'17</li><li>● Acted as Symposium Coordinator.</li><li>● Acted as Time Table Coordinator for CSE department</li><li>● Acted as Project &amp; Mini-project Coordinator</li><li>● Class Committee Coordinator</li><li>● Life Member, Indian Society for Technical Education , IACSIT</li><li>● Life Member, International Association of Engineers member, IAENG</li><li>● Lab In charge</li><li>● Extra-curricular and co-curricular coordinator</li></ul>

	<ul style="list-style-type: none"> <li>● Acted as Organizing Secretary for National Conference on Smart Innovation of Communication &amp; Computing NCSICC'18</li> <li>● Member, Institute of Electrical and Electronics Engineers, IEEE</li> </ul>
Staff Achievements:	<ul style="list-style-type: none"> <li>● <b>Cisco certified trainer.</b></li> <li>● Produced centum results in many subjects.</li> <li>● Published paper in reputed International Journals.</li> <li>● Presented papers in various National and International Conferences.</li> </ul>

### PROFESSIONAL EXPERIENCE:

Sl. No	College / Organization	Designation	Period	
			From	To
1	AMS POLYTECHNIC COLLEGE	LECTURER	17.11.1998	30.05.2000
2	AMS COLLEGE OF COLLEGE	LECTURER	14.06.2000	18.06.2002
3	SRI SAI RAM ENGINEERING COLLEGE	ASSOCIATE PROFESSOR	30.08.2004	TILL DATE

### PATENT

- ❖ Filed Indian patent on 12.10.20 the innovation titled “**Machine Learning Based Techie Safety Belt to Prevent the Sleepiness of Drivers**”. (Application No 202041044323).
- ❖ Filed Indian patent on 12.10.20 the innovation titled “**A Machine Learning Based Automated Toilet Cleansing System with Automated Doors**”. (Application No 202041044307).
- ❖ Filed Indian patent on 12.10.20 the innovation titled “**An Automatic Hospital Stretcher That Monitors Vital Data’s of The Patients**”. (Application No 202041044322).
- ❖ Granted Australian patent on 10.10.2020 (Application No 2020102663 ) titled “**Cooperative Sensing, Communication and Control of IoT Network using Machine Learning Algorithms**”

### BOOK PUBLICATIONS

- ❖ Published a book chapter titled “**Technical Analysis on Spammer detection using Machine Learning and data mining techniques**” in Book titled “**Machine Learning and Applications**”. ISBN: 978-93-86923-47-9, Publisher: Dipti Press Pvt Ltd. Chennai. Sep 2020.

- ❖ Published a book titled “**Advanced Machine Learning**” Notion press ISBN:78-1648998560, 1648998569 2 Jun 2020

## **JOURNALS & CONFERENCE PUBLICATIONS::**

- ❑ Presented a paper titled **Advanced MAC scheme for voice/Data traffic on wireless network** at a national conference on **Recent approaches in communication and information technology in Madha engineering college**
- ❑ Presented a paper titled **An Overview of Handoff in Fourth generation mobile networks at a international conference on Innovative Computing, Information and communication technology** at sri sai ram engineering college on 16<sup>th</sup> to 18<sup>th</sup> Dec 2009
- ❑ Presented a paper titled **Optimizing prediction theory algorithm for universities data using MLA algorithm** in National Conference on Magus Info Electro Tech-14,29<sup>th</sup> March 2014
- ❑ Presented a paper in International Journal of Advanced and Innovative Research IJAIR- Volume 3 Issue 4 (April 2014) titled **Robust Face Recognition Technique Based on Granular Computation and Hybrid WLD Spatial Feature Extraction**
- ❑ Presented a paper in **Efficient Refining of Why-not Questions on Top-KQueries National Conference on Emerging Trends and Intelligence Technologies (EIT’2015)** at Anand Institute of Higher Technology on 14<sup>th</sup> March 2015
- ❑ Presented a paper on **Encapsulation of Efficient and Deep Access Web Crawler** , Proceedings of International conference on engineering technology and science, Muthayammal engineering college, 18<sup>th</sup> & 19<sup>th</sup> march **2016**, pp.1449.
- ❑ Presented a paper in **Efficient Semantic Personalized Search Using RDF in Web Services**”, International conference on Computational Science and Technology, organized by dept of CSE, Sri SaiRam Engineering College, 9<sup>th</sup> and 10<sup>th</sup> March **2017**.
- ❑ Presented a paper in” **Plant Identification using Leaves with Particle Swarm Optimization and Firefly Algorithm**” International Conference on Computational Science and Technology Organised by CSE dept, Sri Sai Ram Engineering College,9<sup>th</sup> and 10<sup>th</sup>March **2017**.
- ❑ Published paper on” **ALERT CLUSTERING METHOD FOR INTRUSION DETECTION**”, International Journal of Pure and Applied Mathematics Volume 118 No. 19 ,2018, 2703-2711ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version),url: <http://www.ijpam.eu>. (**SCOPUS INDEXED**).
- ❑ Published paper on “**On-Time Order Effortless Replenishment Ordering of Merchandise Using Internet Of Things**”, International Journal of Pure and Applied Mathematics Volume 118 No. 19 ,2018, 2713-2725.ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version),url: <http://www.ijpam.eu>. (**SCOPUS INDEXED**).
- ❑ Presented a paper in “**coarse grain load balance algorithm for Detecting dna in a database**”, National Conference on Smart Innovations in Communications and Computing (NCSICC’18) – Orgazised by Dept of CSE,Sri SaiRam Engineering College chennai on 27th March 2018.

- ☐ Presented a paper in “**chronic Conjecture and Uncertainty Detection by Machine Learning**”, National Conference on Smart Innovations in Communications and Computing (NCSICC'18) – Organised by Dept of CSE, Sri Sai Ram Engineering College Chennai on 27th March 2018
- ☐ Published paper in “**IDENTIFYING TWITTER BOTS BASED ON TRENDING HASHTAGS USING MACHINE LEARNING ALGORITHMS**” Journal of Emerging Technologies and Innovative Research © 2019 JETIR June 2019, Volume 6, Issue 6
- ☐ Published a paper in International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1S, October 2019, titled “**Augmented Reality in Military Applications**”.
- ☐ Published a paper in International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1S, October 2019, titled “**Military Database Security via Justapose Database Shuffling**”.
- ☐ Published a paper in International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1S, October 2019, titled “**I-Voting on Cloud Framework**”.
- ☐ Published a paper in International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1S, October 2019, titled “**Blockchain in India**”.
- ☐ Published a paper in Journal of Green Engineering (JGE) “**Safe and Optimized Cardiac Image Processing Techniques for Quantifying Right Ventricle Dimensions with Nuclear Morphological Analysis**” Volume 10 Oct 2020.

#### **STAFF DEVELOPMENT PROGRAMS AND WORKSHOPS:**

- ☐ Attended **Faculty Development Programme on Visual Programming** conducted by **Centre for Faculty Development, Anna University at Arulmigu Kalisalingam Engineering College** from 7<sup>th</sup> November 2004 to 12<sup>th</sup> November 2004.
- ☐ Attended “**Two-day workshop on Network security**” conducted by **M.N.M.Jain Engineering College, Chennai**, from 24<sup>th</sup> and 25<sup>th</sup> September 2004
- ☐ Attended “**Two-day workshop on Software Testing & Quality Management**” conducted by **R.M.K. Engineering College, Chennai**. on 23<sup>rd</sup> December 2004
- ☐ Attended a national level conference on **Distributed system and knowledge Engineering** from 16<sup>th</sup> and 17<sup>th</sup> sep 2005 at sri sai ram engineering college
- ☐ Attended a training programme on **IBM Rational Suite** at sri sai ram engineering college from 3<sup>rd</sup> and 4<sup>th</sup> sep 2005
- ☐ Attended Five days online ATAL FDP On “**Data Sciences**”, From 16.11.2020 to 20.11.2020 organized by, Indian Institute of Information Technology, Design & Manufacturing Kancheepuram.
- ☐ Attended AICTE sponsored Six days online STTP On “**Incorporating the techniques of Block Chain & Artificial Intelligence to face the security and privacy challenges of**

**IT infrastructure – Industry Approach & Implementation Data Sciences**”, From 23.11.2020 to 28.11.2020 organized by, KCG College of Technology, Chennai.

- ☐ Attended Five days online ATAL FDP On “**Cyber Security**”, From 30.11.2020 to 04.11.2020 organized by, Sri Venkateswara College of Engineering, Chennai.
- ☐ Attended Five days online ATAL FDP On “**Machine Learning**”, From 07.12.2020 to 11.12.2020 organized by, R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY, Chennai.
- ☐ Attended “**National Level Seminar on Research Methodology**” conducted by **Sri Sai Ram Institute of Management Studies**, Chennai on 9<sup>th</sup> February 2005.
- ☐ Attended “**Two-day workshop on .Net & C#**” conducted by **Sri Sai Ram Engineering College** in association with **Computer Society of India, Chennai Chapter** on 17<sup>th</sup> and 18<sup>th</sup> December 2004.
  
- ☐ Attended a staff development programme on **web services and application** from 5<sup>th</sup> to 17<sup>th</sup> may 2008 at sri sai ram engineering college
- ☐ Attended a staff development programme on **mobile networks** from 19<sup>th</sup> to 30<sup>th</sup> Jan 2009 at sri sai ram engineering college
- ☐ Attended a National conference on **Information and communication technology** from 9<sup>th</sup> and 10<sup>th</sup> march 2007
- ☐ Attended a staff development programme on **Information technology in telemedicine and E-Health** from 9<sup>th</sup> to 21<sup>st</sup> July 2007 at sri sai ram engineering college
  
- ☐ **Attended a seminar in Entrepreneurial awareness and development programme**
- ☐ in sri sai ram engineering college 15<sup>th</sup> and 16<sup>th</sup> Feb. 2007
  
- ☐ Presented a paper titled **Advanced MAC scheme for voice/Data traffic on wireless network** at a national conference on **Recent approaches in communication and information technology in** Madha engineering college
  
- ☐ Presented a paper titled **An Overview of Handoff in Fourth generation mobile networks** at a international conference on **Innovative Computing, Information and communication technology** at sri sai ram engineering college on 16<sup>th</sup> to 18<sup>th</sup> Dec 2009
  
- ☐ Attended “**Two-day workshop on Grid computing**” in sathyabama university, Chennai on 19<sup>th</sup> and 20<sup>th</sup>rd march 2010.
  
- ☐ Attended AICTE sponsored seminar on **cloud computing and mining** conducted by MCA department in sri sai ram Engg College on 26/09/2013 to 27/09/2013

- ☐ Attended FDP on **Big Data and Internet Of Things** in sai ram engineering college on 10-2-2014 to 14-02-2014
- ☐ Attended FDP on **Cloud computing and Big Data** in sri sai ram engg college on 8/12/14 and 09/12/14
- ☐ Attended a Workshop on **Mobile Application Development** in sri sai ram engg college from 17/02/2018 to 20/02/2018
- ☐ Training program for instructors on **CCNA (1& 2)-(Routing & Switching)** at cisco training center,amritanagar,Coimbatore. From 25/07/2016 to 6/08/2016