Sri Sai Ram Engineering College

Department of Information Technology

Name & Photo:	 **J.RANJANI**
Qualification:	M.C.A, M. Phil, M. Tech 1-499329183-AICTE ID
Designation:	Assistant Professor - I
Area of Specialization:	Web Technology, Computer Networks, Data Structures, Operating Systems, DAA, Object Oriented Programming (JAVA) and Python Programming, Scripting Languages.
Year of Experience: :	**Teaching** 17 YEARS **Industry**: Nil
No. of Workshops / FDP Attended:	29
No. of Conference Attended:	25

Publications:	**Journal:**
	    International : 4
	    National : 4
	Conference:
	    National: 16
	    International: 8

Sponsorship	Receiving fund from TNSCST for Two days Workshop. It was conducted on 12/12/19 – 12/12/2019.

Staff Achievements:	• Acted as an Organizer for the TNSCST Sponsored two days workshop on "Machine learning and Deep Learning" • Act as a Class Co-Ordinator for the 2019 -2023 batch students • Acted as an EVENT CO-ORDINATOR to the 2019 Third International Conference on COMPUTING AND COMMUNICATION TECHNOLOGIES (ICCCT'19). • Obtained Distinction in M.Tech Programme. • Secured 100% results in Anna university examinations many times. • Delivered a lecture on "Numpy,SciPy,Matplotlib Concepts in python" at ECE Dept, Sri Sairam Engineering College • Published paper in reputed International Journals ,Presented papers in various National and International Conferences, • Acted as Conference Coordinator during 2017-2018 and Symposium coordinator at 2012. • Acted as Class In charge many times for MCA Department in Sri SaiRam Engineering College. • Acted as project coordinator during 2007-2010,2015-2018.

Professional Experience

Sl. No	College / Organization	Designation	Period	
			From	**To**
1	T.K.G.Arts College	Lecturer	1/07/2002	30/04/2004
2	Adhiparasakthi Engineering College, Melmaruvathur	Lecturer	01/07/2004	30/11/2007
3	Sri Sai Ram Engineering College	Assistant Professor-III	31/01/2008	31/07/2009
4	Sri Sai Ram Engineering College	Assistant Professor-II	01.08.2009	31.07.2012
5	Sri Sai Ram Engineering College	Assistant Professor-I	01.08.2012	Till Date

Academic Record

University	Degree/ Diploma	Year	Field of Specialization
SRM University	M.Tech	May 2016	Computer Science
Alagappa University	M. Phil	August 2007	Computer Science
Bharathidasan University	MCA	May 2001	Computer Applications
Madras University	B. Sc(Physics)	May 1998	Physics

Papers published in the National Journal / Inter National Journal

1. Semantic Web Search Engine for Retrieval for Text Document using Hierarchical Clustering, SSEC TECH Journal – 2009 Volume 8, 2009,ISSN 0975-2846.

2. Robust Scene Text Recognition With Sparse Belief Propagation, ELYSIUM JOURNAL OF ENGINEERING RESEARCH & MANAGEMENT, Volume 2, Issue 3, June 2015.

3. A Web Service with Self-Learning Ontological Process (WS – SLOP), International Journal of Latest Trends in Engineering and Technology(IJLTET),ISSN:2278-621X

4. An approach for dynamically load balanced flow scheduling (DLBS) in cloud,International Journal of Engineering & Technology,7(2.33) 600-602.
   DOI: 10.14419/ijet.v7i2.33.14844 Published on: 08-06-2018.

5. Combination of NumPy, SciPy and MatplotLib a good alternative methodology of MATLAB – A comparative Analysis. Date added to IEEE Xplore: 20 June 2019.DOI:10.1109/ICIICT1.2019.8741475

6. A Diagnose system for Skin Lesion using Deep Convolution Neural Network (DCNN) Article Info Volume 83 Page Number: 8132 - 8137 Publication Issue: May - June 2020
   ISSN: 0193-4120 Page No. 8132 - 8137

7. Smart Surveillance Camera to Detect Theft Activities in ATM Centers, Article Info Volume 83 Page Number: 13853 - 13858 Publication Issue: March - April 2020,
   ISSN: 0193-4120 Page No. 13853 - 13858

8. **National journal "An overview and application of block chain technology for financial infrastructure – Distributed Digital Ledger System(DDLS)"** ISSN NUMBER:2394-3114.Volume 40, issues 3.studies in Indian place names

Papers Presented in the National and International Conferences
1. **Presented a paper titled "Comparison and implementation of routing protocol techniques"at Karpagam College of Engineering in the International Conference.**

2. Presented a paper titled "Query Processing using FDBS" in Velammal College of Management and Computer studies.

3. Presented a paper titled "Vehicle Tracking system Using GPS/AVL" in Saveetha Engineering College.

4. Presented a paper titled "Security for Government and Military agencies, Service Providers using Optical Networking" at PSNA College of Engineering & Technology.

5. Presented a paper titled "Security Risk and Solutions in Cloud Computing based on Network and Application Level" at Saveetha Engineering College, Chennai

6. Presented a paper titled "Cloud Computing Perspectives and Comparison Study of various Cloud Computing Service Providers" at Adhiparasakthi Engineering College, Melmaruvathur.

7. Presented a paper titled "Robust Scene Text Recognition With Sparse Belief Propagation" at Sri Sai ram engineering college.

8. Presented a paper titled "A web service self learning ontological process" at Sri Sai ram engineering college ,2016.

9. Presented a paper titled "Real Time Transformer Health Measuring system using IoT Technology" at Sri Sai ram engineering college,2018.

10. Presented a paper titled "Load-Balanced Flow Scheduling for Big Data Centers Dynamically in Cloud" at Sri Sai ram engineering college,2018.

11. Presented a paper titled "Secure access policies based data de-duplication system" at Sri Sai ram engineering college,2018.

12. Presented a paper titled "Shade hope-a protection estimation Model for transportation as a overhaul shade " at Sri Sai ram engineering college,2018.

13. Presented a paper titled "Fast and scalable Query processing with strong privacy protection for cloud computing " at Sri Sai ram engineering college.

14. Presented a paper titled "A Diagnose system for Skin Lesion using Deep Convolution Neural Network (DCNN) " at Sri Sai ram engineering college,2018.

15. Presented a paper on International conference, titled "ROAD ACCIDENTS PREVENTION USING TRAFFIC SIGNAL" at Sri Sai ram engineering college in 2019.

16. **Presented a paper on International conference, titled "A DISTRIBUTED TRUTHFUL AUCTION MECHANISM FOR TASK ALLOCATION IN BANK TRANSACTION" at Sri Sai ram engineering college in 2019.**

17. **Presented a paper on International conference, titled "Random Forest Algorithm using Credit Card Fraud Detection" at Jerusalem college of Engineering, Narayanapuram, Pallikaranai,Chennai-600100.**

18. **Presented a paper on International conference, titled "combination of numpy,scipy and Matplotlib/Pylab – a good alternative methodology to MatLab- A Comparative analysis" at St peters college of Engineering, Chennai.**

19. Presented a paper on National conference, titled "Automated fire detection and controlling system" at R.M.K Engineering College, Chennai.

20. **Presented a paper on International Conference, titled "Credit card fraud detection using random forest algorithm" at Jeruselam College of Engineering.**

21. **Presented a paper on International Conference**,titled "A Diagnose system for Skin Lesion using Deep Convolution Neural Network (DCNN)" at Sri Sairam Engineering College

22. **Presented a paper on International Conference**, titled "Smart Surveillance Camera to Detect Theft Activities in ATM Centers, at Sri Sairam Engineering College

23. **Presented a paper on National Conference,titles "Road maintenance record keeping system"** at Sri Sairam Engineering College

24. **Presented a paper on National Conference,titles "An overview and application of block chain technology for financial infrastructure – Distributed Digital Ledger System(DDLS)"** at Sri Sairam Engineering College.

25. **Presented a paper on International Conference,titles "Twitter user Bullying detection"** at R.M.K Engineering College on 26th and 27th march 2021.

Workshop/FDP:

1. Training Program in "JAVA" ,Sun Micro Systems.

2. Faculty Development Programme on "Information Security and Cyber Forensics" at Valliammai Engineering College.

3. Faculty Development Programme on "Advanced Features on .net " at SRM University.

4. Faculty Development Programme on "Network Technologies" at Saveetha Engineering College fro 21st -28th April 2010.

5. Faculty Development Programme on "Middleware and Web services" at Easwari Engineering College.

6. AICTE sponsored Staff Development Programme on "Computer Networks" at Sri Sai Ram Institute of Technology

7. " FDP On Oracle - Java Fundamentals and Java Programming @ RAJALAKSHMI INSTITUTE OF TECHNOLOGY, From 17th July to 21 st June 2017.

8. ILPXPlore Orintation Program for JAVA, from 22 Jan 2018 to 25Jan 2018 at TCSILP.

9. Five days AICTE sponsored Staff Development Programme on "Entrepreneurship Career Development Program" at Sri Sai Ram Institute of Management studies.

10. The Department of Computer Science and Engineering conducted the Two weeks AICTE Sponsored Faculty Development Training Programme (7.6.2019 -20.6.2019) on "DATA SCIENCE AND EXPLORATORY DATA ANALYSIS WITH R AND PYTHON" at Sri sairam engineering college.

11. SRM institute of Science & Terchnology, Ramapuram conducted the 2 weeks (24.8.20 to 7.9.20) FDP on Recent advancement in Technical Domains

12. ARKA JAIN University,Jamshedpur conducted the 1 week (20.7.20 TO 25.7.20) AICTE FDP on Emerging Trends in Data science and IOT

13. Rajalakshmi Institute of Technology conducted the 5 days 12.10.2020 - 17.10.2020 FDP on Building Intelligent applications with Deep Learning with PyTorch

14. Sri Sairam Institute of Technology conducted the 5 days 27.10.2020 - 31.10.2020 FDP on Research Perspectives in Maching Intelligence and Computing.

15. IRTT conducted the 5 days 2020-11-2 to 202011 ATAL FDP on data Sciences

16. CSIR- Advanced Materials and Processes research Institute, Bhopal. conducted the 5 days 2020-11-16 to 2020 ATAL FDP on Artificial Intelligence

17. SRM Institute of Science and Technology conducted the 6 days 19.10.20 to 24.10.20 STTP on Machine Learning with Python in Data Science - Applications and Research Perspectives

18. R.M.K. ENGINEERING COLLEGE conducted 6 days12.10.20 to 17.10.20 FDP on Service Oriented Applications: Concept, Technology, Design and Development

19. Ara ain University amshedur harhand conducted 6 days 20.7.20 to 25.7.20 FDP on Emerging Trends in Data Science & IoT

20. Bipin Tripathi Kumaon Institute of Technology Dwarahat Almora15 days26/10/20 to 7/11/20 International FDP Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development"

21. Kalajnarkarunanidhi Institute of Technology, coimbature 6 days 16/11/20 to 21/11/20 AICTE STTP Ingraining wisdom for engineering and education

22. Knowledge Institute of Technology conducted 7 days 02.11.2020 to 07.11.2020. AICTE STTP Social Network Analysis - Emerging Trends and Challenges

23. ANITS, Andrapradesh conducted 5 days 5/10/20 to 10/10/20 AICTE STTP Privacy and security

24. Kongu Engineering College conducted 5 days 23.11.2020 – 28.11.2020 AICTE STTP "Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues"

25. SRMIST, Ramapuram conducted 15 days 24.08.2020 to 07.09.2020. FDP on RECENT ADVANCEMENT IN TECHNICAL DOMAINS

26. R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY. conducted 5 days from 2020-12-7 to 2020-12-11 ATAL FDP on Machine Learning

27. NATIONAL INSTITUTE OF TECHNOLOGY PATNA conducted 5 days 23-27 November 2020UHV FDP Universal Human Values for DEEKSHARAMBH(Student Induction Program)

28. sengunther Enggineering college conducted 6 days 30-11-20 to 5-12-20 AICTE STTP on AI Based novel power system

29. VALLIAMMAI ENGINEERING COLLEGE conducted 7 days 9-12-20 TO 15-12-20 FDP on ALGORITHMS,COMPILER DESIGN AND AI.

J.Ranjani

AP-I/IT