SRI SAI RAM ENGINEERING COLLEGE,CHENNAI-44

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Name & Photo :	S. GURUSUBRAMANI Scanned with Car
Designation:	Associate Professor
Qualification :	MCA., ME., (Ph.D)
Area of Specialization :	Machine Learning, Cloud Computing
Experience :	Teaching : UG: 7 YEARS PG : 16 YEARS Industry : 2.5 YEARS(Training)
No. of workshop / Conferences / FDP attended:	11 / 8 / 33
Publications :	**Journals** National : - 4 (UGC + Others) International : 9 **Conferences** National : 5 International : 4 **Patents:** 7
Research Guidance :	NIL
General :	- Acted as Symposium Coordinator(2012) - Acted as Placement Coordinator - Acted as Project & Mini-project Coordinator - Class Committee Coordinator - Acted as a Resource Person for various programmes in IGNOU study center & Chinmaya Vidyalayas, Chennai - Acted as a Judge for the Project Exhibition in the dept of ECS at Alpha College. - Acted as a Resource person for " **Introduction to Python Programming** " @ Ingenuity - Coordinator for the National Conference NCS1CC-2021 - Acted as a Session Chair in the National Conference - NCSICC-2021

	● Reviewer Board Member in MAT Journals ● Reviewer in ICCST -2022 ● IEEE XTREME 16.0 - Proctor ● Authored 4 Book Chapters ● College Website Coordinator
Staff Achievements:	● Produced Centum results in the following subjects: 1.Web Graphics (twice) 2.HRM (Thrice) 3.Computer Networks (once) 4.Computer Programming (once) 5.Ecommerce (Twice) 6. Computer organization (Twice) 7. OOAD (Once) ● Published paper in reputed International Journals. ● Presented papers in various National and International Conferences. ● ICT Academy Certified Trainer in C Programming ● CISCO Virtual Internship Best Mentor - 2021 ● Professional Member in IFERP ● Life Member in ISTE - LM - 131581 ● Senior Member in IEEE - 98092023

Professional Experience:

Sl. No	College/Organization	Designation	Period From	To	Total period
1.	IETE	Trainer	Aug 1997	May 2000	2.11 Years
2.	Alpha Arts & Science College	Lecturer – Computer Science Department	June 2000	Jan 2007	5.7 Years
3.	Sri Sai Ram Engineering College	Lecturer	Jan 2007	Aug 2009	2.6 Years
4.	Sri Sai Ram Engineering College	Assistant Professor	Aug 2009	Aug 2014	5 Years
5.	Sri Sai Ram Engineering College	Associate Professor	Aug 2014	Till date	8.10 Years

JOURNALS & PUBLICATIONS:

1. Published paper in International Journal IJMSEA (International Journal for Mathematical Sciences and Engineering Applications), Vol III, March 2009, titled **"Intelligent Test case Optimization using Hybrid Genetic Algorithm".**

2. Published a paper in Indian Journal of Public Health Research & Development, Volume 9, Issue no. 3, March 2018 – SCOPUS Indexed, titled **"Probabilistic Broadcast Protocol for Data Gathering using neighbor nodes in Mobile IoT"**

3. Published a paper in Journal of Green Engineering(JGE), Volume 10, Issue no. 10, October 2020 – SCOPUS Indexed, titled **"An Efficient Timing Attack Management in VANETs using Monte Carlo Markov Chain Sampling"**

4. Published a paper in ICACSE 2020 - Journal of Physics: Conference Series 1964 (2021) 042062, IOP Publishing, doi:10.1088/1742-6596/1964/4/042062 - SCOPUS indexed, July 2021 titled **" Secure Cloud Backup for Data Sources Based on Blockchain"**

5. Published a paper in ICACSE 2020 - Journal of Physics: Conference Series 1964 (2021) 042095, IOP Publishing, doi:10.1088/1742-6596/1964/4/042095 - SCOPUS indexed, July 2021 titled **"A Data Centre Configurable Data Mining Document Management Information System"**

6. Published a paper in ICCST 2022 1st International Conference on Computational Science and Technology, IEEE Xplore, doi:10.1109/ICCST55948.2022.10040418 - SCOPUS indexed, Nov 2022 titled **"Artificial Intelligence and Face Emotion Prediction Based Training for Autism Kids"**

7. Published a paper in ICCST 2022 1st International Conference on Computational Science and Technology, IEEE Xplore, doi:10.1109/ICCST55948.2022.10040359 - SCOPUS indexed, Nov 2022 titled **"A Review of Digital Twin Leveraging Technology, Concepts, Tools and Industrial Applications"**

8. Published a paper in ICCST 2022 1st International Conference on Computational Science and Technology, IEEE Xplore, doi:10.1109/ICCST55948.2022.10040479- SCOPUS indexed, Nov 2022 titled **"Generative Adversarial Network-a Comparative Analysis"**

9. Published a paper in ICAIS 2023, Third International Conference on Artificial Intelligence and Smart Energy, IEEE Xplore, doi:10.1109/ICAIS56108.2023.10073667- SCOPUS indexed, March 2023 titled **"Enhancing Reliability in Multi-Path Mobile Wireless Sensor Network"**

CONFERENCES & WORKSHOP:

1. Presented paper in National conference – National conference on "Cryptography and Network Security", 18th & 19th February '09, titled **"Enhancing WEP using FCICT"** held in VIT University, Vellore.

2. Presented paper in international Conference - International Conference, Competency Building Strategies in Business & Technology for sustainable development 22nd & 23rd September 2011, titled **"A reconfigurable instruction cell Architecture for wireless communication – wimax** held in SIMS, Chennai

3. Presented paper in international Conference - ICICT'09, 16TH – 18th Dec 2009, titled **"Information Flow in Heterogeneous Networks Using Location Based Tracking Method"** held in Sri Sai Ram Engineering College, Chennai.

4. Presented paper in international conference - 3rdInternational Conference On "Impact of economic crisis in global business scenario" -24th and 25th September 2009, titled **"A study on source routing protocol dynamically in comparison with on-demand routing protocol"** held in SIMS, Chennai.

5. Presented paper in National conference – National Conference on Knowledge Engineering (NCKE'12)- 20th April 2012, titled **A Comparative - Measurement Study of Enhanced Rivest Cipher -IV (ERC4) with Stream and Block Ciphers** held in SRM Valliammai Engineering College

6. Presented paper in National conference – NCACSA" 12 on 10.03.2012, titled **"Enhancing the Impregnability of text messages at multiple levels" held** in R.M.D Engineering College.

7. Presented paper in National conference – National Conference On Recent Trends In Computing & Communications-10th April 2015, titled **"A local position of recognition of node spoofing attacks in Wireless networks"** held in Sri Sai Ram Engineering College, Chennai.

8. Presented paper in National conference - NCRTCC-17-23rd march, 2017, titled "**Performance Estimate Of Evaluating Cloud hub with universal INFLUX and services"** held in Sri Sai Ram Engineering College, Chennai

9. Attended a seminar as a part of NCICT'07 on 10th March 2007.

10. A one day workshop on **"KM-Best Practices"** at SSEC.

11. Workshop on **"Art of Journal and Thesis Writing"**, R&D Dept, Sri Sai Ram Engineering College.

12. A Tutorial session on **"Cloud Computing and semantic web"** at ICISC'13 at SSEC on 4th and 5th January 2013.

13. A one day workshop on **"Research Methodology"** at Sathyabama University on 18th July 2015.

14. Workshop on **"Talent Expo"** conducted at Hotel Taj coromandel, Chennai

15. A one day workshop organized by IBM in Centrino Technologies at Le Royal Meridian

16. Participated in a one day Conclave for "**E-Learning"** at Taj Towers., Chennai.

17. Participated in a 2 day conclave for National level conclave on "**Cyber security**" at Jeppiaar Engg College

18. Participated in a 1 day AICTE sponsored workshop on **NVEQF** at Pondicherry Engineering college

19. Participated in a two day workshop on **" Introduction on E-learning in Education"** Tamilnadu Dr. M.G.R Medical University, Chennai

20. Participated in a One day workshop at LTI MINDTREE in the Domain " Open AI - CHATGPT" on 25.05.2023

STAFF DEVELOPMENT PROGRAMS:

1. FDP on **"Work life balance for engineering and management faculty"** at SIMS on 16th to 22nd February 2012.

2. AICTE Sponsored National Level Seminar on **"Cloud Computing and Mining"** at SSEC on 26th and 27th September 2013.

3. Participated in a FDP on **"Cloud Computing"** conducted by TCS on 5th May 2014.

4. FDP on **"Software Testing"** conducted by TCS on 14th November 2014.

5. SDP on **"Hadoop based Data Analytics"** at SSEC on 30th to 2nd July 2016.

6. FDP on **"Data Science and Big Data Analytics" conducted** by ICT Academy at SSEC on11th Sept 2017 to 15th Sept 2017.

7. FDP on **"Introduction to Cloud Computing"** conducted by ICT Academy at DCE from 03rd June 2019 to 04th June 2019.

8. Attended a One day National Cyber Safety & Security Standards Summit on 21st June 2019 at Anna University

9. FDP on **"Cyber security infrastructure Configuration"** conducted by ICT Academy at St. Joseph's College of Engineering from 22nd July 2019 to 26th July 2019.

10. AICTE Sponsored FDP on **"AI & Advanced ML using Data Science"** conducted at S.A.College of Engineering from 22nd Nov 2019 to 05^{h} Dec 2019.

11. A Webinar on **"Deep Learning based Neural Network Systems"** conducted at G.K.M College of Engineering on 03rd Aug 2020.

12. FDP on **" Cyber security "** conducted by **ATAL** at St. Joseph's College of Engineering from 24th Aug 2020 to 28^{h} Aug 2020.

13. FDP on **"Artificial Intelligence"** conducted by **ATAL** at SKCET, Coimbatore from 31st Aug 2020 to 04^{h} Sept 2020.

14. STTP on **"SOA & its Applications"** conducted by RMK Engineering College from 23rd November 2020 to 01st Dec 2020.

15. AICTE – ISTE Sponsored Induction / Refresher FDP on **"Feature Analysis using AI/ML"** conducted by SKCET, Coimbatore from 07th Dec 2020 to 12th Dec 2020.

16. FDP on **" Stress Management "** conducted by **ATAL** at Government Engineering College, Srirangam from 01st Feb 2021 to 05th Feb 2021.

17. FDP on **"Cloud Computing"** conducted by **ATAL** at NITTTR, Chennai from 08th Feb 2021 to 12th Feb 2021.

18. STTP on AICTE Sponsored **"Speech & Image Processing using Deep Learning Techniques"** conducted by Annamalai University from 03rd March 2021 to 09th March 2021.

19. STTP on AICTE Sponsored **"Green IOT for Smart Environment"** conducted by Panimalar Institute of Technology from 15th March 2021 to 20th March 2021.

20. International Webinar, Computing Applications in Biology, 19.05.2021, 1 day SRM EASWARI ENGINEERING COLLEGE.

21. Webinar on IOT & ML in Healthcare, 22.07.2021, 1 day, SRM EASWARI ENGINEERING COLLEGE

22. International Webinar on An insight into Microservices, 25.09.2021,1 day, SRM EASWARI ENGINEERING COLLEGE

23. MOTP Online orientation Training Programme for Mentors 05.07.2021 - 09.07.2021, 5 days at NITTTR, Chennai

24. ATAL-FDP Artificial Intelligence 20.09.2021 - 24.09.2021,5 days, School of Computer Sciences, Maharashtra

25. ATAL-FDP, AR/VR and its Applications, 04.10.2021 - 08.10.2021,5 days, Sri Sairam Engineering College, Chennai

26. ATAL-FDP, AI Natural Language Processing, 29.11.2021 - 03.12.2021,5 days, University College of Engineering, Kakinada

27. NITTT MODULE 4, Instructional Planning & Delivery completed by Dec 2021 -NITTT, New Delhi

28. Attended an AICTE-ISTE FDP, Design Thinking Pedagogical Training, 16.12.2021 - 22.12.2021, 7 days, GRIET, Hyderabad, Telangana.

29. Attended an International FDP, Recent Trends & Challenges in AI, IOT, & BLOCKCHAIN , 09.02.2022 - 18.02.2022, 10 Days at Easwari Engineering College, Chennai

30. Attended an International Virtual PDP in Data Science, 29.08.2022 - 10.09.2022, 13 Days at SRMIST, Ramapuram Campus, Chennai

31. Attended an FDP on " Future Generation Communication & Networking", 02.01.2023 - 07.01.2023, for 6 days at JEC, Chennai

32. NITTT MODULES - 7/8 Modules Completed during Feb-March 2023

33. Attended an FDP on " ML and its Real-Time Applications", 06.03.223 - 10.03.2023, for 5 days at MEC, Puducherry

PATENTS :

1. Filed & Published Indian patent on 12.10.20 the innovation titled "An Automatic Hospital Stretcher That Monitors Vital Data's of The Patients". (Application No 202041044322).
2. Filed & Published Indian patent on 12.10.20 the innovation titled "A Machine Learning Based Automated Toilet Cleansing System with Automated Doors". (Application No 202041044307).
3. Filed & Published Indian patent on 12.10.20 the innovation titled "Machine Learning Based Techie Safety Belt to Prevent the Sleepiness of Drivers". (Application No 202041044323).

4. Filed & Published Indian patent on 23.12.20 the innovation titled "Emotion Recognition Fitness Assistance for Fitness Blenders using Mel Frequency Ceptral Coefficients (MFCC) and spectral Modulation features". (Application No 202041056021).
5. Filed & PublishedIndian patent application no. 202141005842 on 11/02/2021 titled "Voice Based Alerting and Assisting Tool for Visually Challenged"
6. Filed & Published Indian Patent application no. 202141016303 on 07/04/2021 titled "Iot Based Safety Monitoring System Using Footwear"
7. Filed & Published Indian Patent application no. 202241044519 on 05/08/2022 titled "Design an IoT-driven system uses deep learning for wind-induced pressure prediction on tall buildings"