

Profile

Dr.T.P.Rani



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NAME : Dr.T.P.Rani

DESIGNATION : Professor

DEPARTMENT : Information Technology

College : Sri Sai Ram Engineering College

QUALIFICATION : M.E, Ph.D

AREA OF SPECIALIZATION: Computer Science- Wireless Sensor Networks & Network Security

EXPERIENCE : Teaching (Total Years of Experience) : **22**

- Working as Associate Professor in Sri Sai Ram Engineering College, Chennai from June 2006 till date.
- Worked as Lecturer in Panimalar Engineering College, Chennai from Dec 2003 till May 2006.
- Worked as Lecturer in Sree Sastha Institute of Science and Technology from May 2003 to Dec2003.
- Worked as Lecturer in Muthayammal Engineering College, Rasipuram, near Salem from April 2002 till April 2003.

Aim:

To render my knowledge, experience and expertise in aspects of teaching and learning, self development and molding of students in terms of creativity, higher-order thinking and principles of life.

Objective:

To practice the teaching learning process and develop interdependence between teaching, research and professional practice.

Education:

- **Ph.D. in Computer Science and Engineering (Specialization area is Security Issues in Wireless Sensor Network) 12-11-18, Anna University, Chennai. Thesis Title is Trust aware replica detection using Unique Identity and Localization in Wireless Sensor Networks.**
- **M.E. in Computer Science and Engineering, 2003-2005, Sathyabama University, Chennai, Tamil Nadu.**
- **B.E Computer Science and Engineering, Mahindra Engineering College, Salem, Madras University.1997-2001.**

Grants Received:

1. **Staff Development Program on Mobile Networks, held on 19.01.09 to 30.01.09 and sponsored by AICTE (Rs 2,80,000/-)**
2. **TEDP Technology based Entrepreneurship Program on “Computer Hardware Maintenance and Networking”, funded Rs.3,00,000 by Entrepreneurship Institute of India EDII, Gujarath held in 11/9/16-21/10/16.**
3. **ISTE sponsored STTP on Machine Learning for Data Analysis inIndustry 4.0 conducted on 8-2-2021 - 13-2-2021.**
4. **ATAL AICTE sponsored Faculty Development Program on Cyber Security in Cloud Computing Technologies, fund of Rs 3,00,000 held in Oct 2023.**

Citation:

Google Scholar : <https://scholar.google.com/citations?hl=en&user=MlkX0AUAAAAJ>

WOS Researcher ID : <https://www.webofscience.com/wos/author/record/AAX-8726-2020>

Scopus URL : <https://www.scopus.com/authid/detail.uri?authorId=55940979900>

Orchid : <https://orcid.org/0000-0002-2986-9901>

Workshop/Conferences/FDP/SDP/SEMINAR Organized:

(FUNDED BY AICTE, ISTE etc)

1. Coordinator for the **Staff Development Program on Mobile Networks**, held on 19.01.09 to 30.01.09 and **sponsored by AICTE (Rs 2,80,000/-)**
2. Coordinator for a **National Conference** on Recent trends in Computing and Technology 2016 on 29-4-16 sponsored by **ISTE** in association with **ICT Academy of Tamilnadu (ICTACT)**
3. Coordinator of National cyber defence resource centre (**NCDRC**)
4. Coordinator for **TEDP** Technology based Entrepreneurship Program on “Computer Hardware Maintenance and Networking”, funded Rs.3,00,000 by **Entrepreneurship Institute of India EDII, Gujarath** held in 11/9/16-21/10/16.
5. Session Chair for International Conference on Information Systems and Computing (**ICISC- 2013**), Sri Sai Ram Engineering College on 4th Jan 2013.
6. Acted as reviewer in IEEE International Conference on Computing and Communication Technologies **ICCCT’ 2015, ICCCT’ 2017 and ICCCT 2019.**
7. Session Chair and Organising member for International Conference on Computing and Communication Technologies (**ICCCT- 2019**), Sri Sai Ram Engineering College on 21 & 22 Feb 2019.
8. Session chair and Steering committee member for International Conference on Computing, Communication and Control **i4c 2020** on 28 and 29 Feb 2020.
9. Coordinator - ISTE sponsored workshop for students on “Routing protocols in Wireless Networks” on 22-10-2020 and 23-10-2020.

10. Reviewer and Session chair for 4 th IEEE International Conference on Computing and Communication Technologies (ICCCT21) organized by Department of Information Technology, Sri Sai Ram Engineering College on 16th and 17th Dec., 2021.
11. Coordinator for Five Days ISTE sponsored STTP on Machine Learning for Data Analysis in Industry 4.0 conducted on 8-2-2021 - 13-2-2021
12. Coordinator for Five Days Industry (Mind Tree) Technically sponsored FDP on No Code and Low Code Machine Learning Techniques conducted on 19-12-2022 - 23-12-2022
13. Coordinator for Five Days AWS Course for students on “AWS Cloud Solutions Architect Associate” in association with ICT Academy, conducted on 6-3-23 to 11-3-23
14. Coordinator for a Students Seminar on Web Hacking 101 Uncovering Vulnerabilities in Web Application , on 6-4-23.

REVIEWER and TECHNICAL COMMITTEE MEMBER

- Reviewer in Springer International Journal of Wireless Information Networks E ISSN 1572-8129, Emerging Sources Citation Index and Scopus Indexed.
- Reviewer in Wireless Personal Communications, Springer, Science Citation Index expanded and Scopus indexed E ISSN : 1572-834X
- Reviewer in KSII Transactions on Internet and Information Systems SCI Indexed Journal eISSN: 1976-7277 Jan 2020
- Reviewer in Turkish Journal of Electrical Engineering & Computer Sciences March 2020
- Reviewer in KSII Transactions on Internet and Information Systems SCI Indexed Journal Jan 2020
- Reviewer in ISAIC 2021 on International Symposium on Automation Information and Computing Beijing China
- Technical Program Committee Member in 9th International Conference on Computer Technology Applications (ICCTA 2023), Vienna, Austria May 2023, <http://www.iccta.net/committee.html>

DOCTORAL COMMITTEE MEMBER

DC member for a Ph.D. candidate in the Faculty of Information and Communication Engineering, Anna University, Chennai. (Research Center at Panimalar Engineering College, Chennai)

DC member for a Ph.D. candidate in the Faculty of Information and Communication Engineering, Anna University, Chennai. (Research Center at SSN College of Engineering, Chennai)

KEYNOTE SPEAKER

- Delivered Webinar in IEEE Series on “Introduction to AWS” on 17-4-2020.
- Delivered NBA Lecture on Criteria 8 in Workshop “NBA Accreditation Process” in Marga Darshan Scheme on 21-2-2020 at Sri Sairam Engineering College.
- Delivered NBA Lecture on Criteria 5 in Workshop “NBA Accreditation Process” in Marga Darshan Scheme on 9-4-2021 at New Prince Sri Bhavani College of Engineering.
- Delivered Lecture on “Image Classification and Object Detection in Deep Learning” on 10.11.22 at Panimalar Engineering College, Chennai, Tamilnadu.

SIGNIFICANT WORKS AND ACHIEVEMENTS

- Performed as NBA Audit Member at Sri Sairam College of Engineering, Bangalore on 4-7-23
- NBA Coordinator till 2022 and headed the Department NBA Visit successfully.
- Achieved NPTEL Star Topper in Database Management System in 2024
- Achieved NPTEL Star award as NPTEL DOMAIN SCHOLAR :SYSTEMS AND NPTEL ENTHUSIAST in MAY 2023
- Achieved NPTEL Star award as NPTEL BELIEVER AND DISCIPLINE STAR in Dec 2022
- Achieved Mentor and Most Consistent Mentor award from ATL Tinkerpreneur AICTE in 2022
- Achieved Best Research paper award in SSEE (Society for Engineering Education Enrichment) Awards 2020
- Reviewer & Session chair for the IEEE International conference on Computing and Communication Technologies (ICCCT15, ICCCT17 & ICCCT19) organized by Department of Information Technology, Sri Sai Ram Engineering, College, Chennai 7.
- Reviewer for the International conference on Recent trends in Computational Engineering and Technologies (ICTRCET-2018), organized by Department of Computer Science and Engineering, RajaRajeswari College of Engineering, Bangalore.
- Served as NBA Coordinator for the Department of IT from 2020 till 2022
- Conducted Intra Department Academic Audit in Sri Sairam Engineering.

- Worked as ISO Coordinator in the Department from 2012-2014
- Delivered Criteria Lectures regarding NBA for faculties in National level NBA programs.
- Served various positions as Time Table Coordinator, Mentor, Question Paper setter for other Universities, Judge for Events and Session chair in International Conference.

PATENTS PUBLISHED:

- Application No: 201841002060

Title: TRUST AWARE REPLICA DETECTION USING LOCALIZATION AND UNIQUE IDENTITY IN WIRELESS SENSOR NETWORKS

PROFESSIONAL BODY MEMBERSHIP:

- Life Member ISTE: LM63703
- IEEE : 98102479
- Universal Association of Computer and Electronics Engineers: AM101000583407
- Institute for Engineering Research and Publication(IFERP): PM2490525
- Quarterly Franklin Membership: #YC21152

PUBLICATIONS

BOOKS:

- Mr.Vineeth Singh, Mr. Surendra Kumar Choudary, Dr.T.P.Rani, Dr.S.Diwakaran, “Fundamentals of Computer Networks”, Scientific International Publishing House, ISBN: 978-93-5757-238-5, 2022.

BOOK CHAPTER:

1. Kalaichelvi, Akila,Rani, Sowmiya and Divya, “Big Data in Multi- Decision Making System of the Aerospace Industry”, Chapter 3, pp 69-110, Book Name: A Closer Look at Big Data Analytics, Computer Science Technology and Applications, Nova Publishers, 2021 (Scopus)
2. Rani, Kalaichelvi, Susila Sakthy, “Outlier Detection for WSN based on Dempster Shafer theory”, Chapter 17,pp 114-128, Book name: Recent trends in Engineering and Technology, 2021.
3. Susila Sakthy, Aruna Jasmine, Rani, Nithya, “Green internet of things - A study”, Chapter 16, pp 106-113, Book name: Recent trends in Engineering and Technology, 2021.

Journal Publications:

Inter National: (Web of Science and Scopus)

4. Sakthy, S.S., Rani, T.P., Kalaichelvi, P., Akshaya, H., Akshaya, R.S. (2024). Change Detection and Budget Estimation of Catastrophic Events Based on Image Processing. In: R., A.U., *et al.* Deep Sciences for Computing and Communications. IconDeepCom 2023. Communications in Computer and Information Science, vol 2177. Springer, Cham. https://doi.org/10.1007/978-3-031-68908-6_35
5. Rani, T.P., Sakthy, S.S., Kalaichelvi, P., Lavanya, M., Karthiga, G. (2024). Assisting Paralyzed Patients with Iot Based Mobile Application Using Hand Gestures. In: R., A.U., *et al.* Deep Sciences for Computing and Communications. IconDeepCom 2023. Communications in Computer and Information Science, vol 2176. Springer, Cham. https://doi.org/10.1007/978-3-031-68905-5_27
6. Rani, T.P., Srinadh, V., Mano Paul, P., Ananth, J.P., CH selection and compressive sensing-based data aggregation in WSN using hybrid Golden circle-inspired optimization, International Journal of Communication Systems, <https://doi.org/10.1002/dac.5574>. 2023
7. Rani, Arun, Viswanathan, Schedule It: A System for Seminar Hall Booking, Advances in Intelligent Systems and Computing, Springer, Vol. 1415, pp.355-365, March 2022, https://doi.org/10.1007/978-981-16-7330-6_27
8. Rani, Muthuvairavan, Arun kumar, Thermal Camera-Based COVID-19 Detection Advances in Intelligent Systems and Computing, Springer, Vol. 1415, pp. 395-402, doi: https://doi.org/10.1007/978-981-16-7330-6_30
9. Rani T.P, Suganthi K., Data Security in the Internet of Things, ICT with Intelligent Applications. Smart Innovation, Systems and Technologies, vol 248. pp 593–601, Springer, Singapore, 2022 https://doi.org/10.1007/978-981-16-4177-0_58 (Scopus)
10. T P Rani , J Aruna Jasmine , M.Janani , M.Bhuvaneshwari, B.Kavya, “VerticalAgriculture Monitoring System In Iot”, Ilkogretim Online - Elementary Education Online, UGC Journal, Vol.20, No.1, pp. 5220-5230, 2021, doi: 10.17051/ilkonline.2021.01.558
11. T.P.Rani ,J.Aruna Jasmine, S.Susila Sakthy, “Trust Based Localization Technique”, Ilkogretim Online - Elementary Education Online, UGC Journal, Vol. 19, No.4, pp. 6638-6657, 2020, doi: 10.17051/ilkonline.2020.04.765068

12. M.Harini priya R. Veda priya and T.P.Rani, "Shopping Sight for Glimpse Dearth", International Journal of Future Generation Communication and Networking, Vol. 13, No. 3, (2020), pp. 4003–4007, 2020.
13. Rani T P, Pavithra Lakshmi S. P. , Mankalawetha N "The Third Eye- A wearable device for the visually impaired-guides the blind to pick the objects", Journal of Critical Reviews, vol. 7, no. 14, pp. 1072-1079, July 2020.
14. Sharmila, Sai Kavya Sri, Ashmika, Rani T P, Surveillance of driver, Journal of Critical Reviews, vol. 7, no. 14, pp. 904-906, July 2020.
15. T.P. Rani, A. Bharathi, K. Suvathy and A. Priyanka, Eyeball Movement based Cursor and Keyboard Control for Physically Challenged, International Journal of Psychosocial Rehabilitation, Vol. 24, No. 5, pp. 305-312, March 2020.
16. Soma Prathibha, Pavithra Lakshmi S. P. , Mankalawetha N, Vanmathi V., Rani T P, Vision via Vibration-A wearable device for the visually impaired – Guides the blind to pick the object, International Journal of Advance Research, Ideas and Innovations in Technology, ts, pp. 136-138, Vol 6, Issue 1, Jan 2020.
17. Ms.J.Aruna Jasmine, Ms.S.Susila Sakthy, Ms.T.P.Rani, Mr.Jer Lang Hong, "Smart Bus Ticket System using QR code in android application", Journal of Gujarath Research Society, vol.21, no. 17, pp. 2255-2258, 2019. (UGC Journal)
18. Rani. T. P, Shalini. G , Sivapriya P , Jayashri. P, " neck-carean early warning system to prevent neck pain", International Journal of Engineering & Technology, vol.7, no. 2, pp. 591-596, 2018.
19. T.P.Rani, C.Jayakumar, "Unique identity and localization based replica node detection in hierarchical Wireless sensor networks", Computers and Electrical Engineering, **Elsevier Vol 64, Pages 148-162**,<https://doi.org/10.1016/j.compeleceng.2017.08.010> , Aug 2017.
20. T.P.Rani, C.Jayakumar, "Trust based Energy Efficient Clustering Protocol in Wireless sensor networks for Military applications", Communications in Computer and Information Science (CCIS), **Springer**, vol. 721, pp. 201-209, July 2017 .
https://link.springer.com/chapter/10.1007/978-981-10-5427-3_22
21. T.P.Rani, C.Jayakumar and T.H.Dhivya Radhai, "Towards Malicious Node Detection Methods In Wireless Sensor Network", International Journal of Emerging Technology in Computer Science and Electronics (IJETCSE), vol. 22, no. 2, pp. 201-214, May 2016.

22. T.P.Rani, C.Jaya Kumar, "Performance Evaluation of Routing Protocols for Anomaly Detection", International Journal for Research in Applied Science and Engineering Technology, IJRASET, vol. 2, no. 5, pp. 281-288, May 2014.
23. Nivedita Sai, T.P.Rani, "Location based detection of replication and collusion attacks", IJCAT International journal of computer applications technology and research), vol.2, no.6, pp.714 - 716, 2013.
24. T.P.Rani, C.Jaya Kumar, "Establishment Of Secure Communication In Wireless Sensor Networks" in IJIST International Journal of Information Sciences and techniques 2012
25. T.P.Rani, C.Jaya Kumar, "Survey on Key Pre-distribution for security in Wireless Sensor Networks", Springerlink as Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, 2012, Volume 84, Part 1, 248-252, DOI:10.1007/978-3-642-27299-8_26 .

National:

26. T.P.Rani, C.Jaya Kumar, "Survey on security attacks in WSN",SSEC Tech Journal 2012.
27. T.P.Rani, "Performance monitoring using p-http in tcp services" in Ssec Tech Journal-2007

Conference Publications:

National:

28. R.Akshaya, R.Kausalya, R.Shwetha, T.P.Rani, C.Jayakumar, "E-Comrade an assistive mechanism for Autism" , National Conference, R.M.K Engineering College April '11. This paper received the "Best Paper award" among the presented papers in the conference.
29. T.P.Rani, C.Jayakumar, "Secure Key Predistribution in Wireless Sensor Networks Using Randomized Dispersive Routes ", National Conference, Sri Sai Ram Institute of Technology, April'11
30. S.Dhanalakshmi, Sneha Pallav, T.P.Rani, C.Jayakumar, "Biometric Authentication in Voting system using GSM" , National Conference, Sri Sai Ram Institute of Technology, Dec'11
31. J.G.Annapurrani, S.Saranya, T.Meena, T.P.Rani, "Cloud based Contacts Backup and retrieval", National Conference on Advanced Computing and Communication Technologies, pp.33-36, December 2011.
32. Prabhu.D, Rani.T.P, "Secure Group Communication In Wireless Sensor Network Using Lu Matrix",National Conference, S.A Engineering College, 28-01-12.

33. S.Aiswarya, K.Elavarasi, S.Saranya, Rani.T.P, “Blind Vision Advanced Voice Based Currency and Object Recognition for the Visually Impaired People with Fake Detection”, in Proc. Of National Conference on Science and Innovative Engineering, 2013.

International:

34. T.P.Rani, C.Jaya Kumar, “Survey on Key Pre-distribution for security in Wireless Sensor Networks”, International Conference on Parallel, Distributed Computing technologies and Applications (PDCTA-2011), Tirunelveli, Archived in Springerlink as Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, 2012, Volume 84, Part 1, 248-252, DOI:10.1007/978-3-642-27299-8_26
35. Arunmozhi Kalanchiyam, Rani.T.P, “Outlier Detection in Wireless sensor networks”, in Proc. Of the International Conference on Advanced Computing, Machines and Embedded Technology, ICACT’, 2013.
36. Niveditha Sai, T.P.Rani “Detection of replication and collusion attacks using j-pdf”, ICAET ‘ 14 (International conference in advances in engineering and technology) , EGS Pillay Engineering College, Nagapattinam, 2014
37. T.P.Rani, C.Jayakumar, G.Divya “Trust aware Wireless Sensor Networks”, IEEE International Conference on Computing and communications Technologies ICCCT’15, 26th and 27th Jan 2015.doi: 10.1109/ICCCT2.2015.7292741.
38. T.P.Rani, C.Jayakumar and T.H.Dhivya Radhai, “Replication Detection Methods in Wireless Sensor Network,” in Proc. Of the International Conference on Emerging Trends in Engineering and Technology (ICETET’16) on 11-12 March, 2016.
39. T.P.Rani, C.Jayakumar and T.H.Dhivya Radhai, “Towards Malicious Node Detection Methods in Wireless Sensor Network,” in Proc. Of the International Conference on Advances in Emerging Technology (ICAET’16) on 7 May, 2016.
40. Rani, Anees, GeethaPriya, Mahalakshmi, “Automated Billing system using Li-Fi (Light Fidelity) Technology, in Proc. of Fortieth International Conference on Communication and Computation, 2016, Chennai, 10th April 2016, pp. 92-96
41. Rani, Preethi, Srimathi, Aashifa, “Integration of SMS and Email using Speech Recognition in Android for the Visually Challenged Person” in Proc. International Conference on Science and Innovative Engineering, 2017 Chennai, 2nd April 2017.

42. Swati, Rani, "Clustered Security for Smart Networks", in Proc. Of IEEE International Conference on Computing and Communications Technologies (ICCCT'17), 2017, Chennai, 23rd and 24th February 2017
43. Rani, Jayakumar, "Trust based Energy Efficient Clustering Protocol in Wireless Sensor networks for Military Applications", in Proc. Of Springer International Conference on Advances in Computing and Data sciences, Krishna Engineering College, Gazhiabad, Uttar Pradesh, 11th and 12th November 2016.
44. Rani, Jayakumar, "Enhanced Data Transfer Security in the Internet of Things", in Proc. Of Springer International Conference on IoT, Data Science and Security, PSG College of Technology, Coimbatore, 5th to 7th Jan 2017
45. T.P.Rani, A.Bharathi, K.Suvathy, A.Priyanka, Eyeball movement based cursor and keyboard control for physically challenged , in Proc. of 6th international conference on contemporary engineering and technology, Prince Shri Venkateshwara Padmavathy Engineering College, 10th to 11th March 2018.
46. Rani T.P, S.M.Aishvarya, D.Charu, Haripriya S, Charging Commotion Cure, IEEE International conference on Computing and Communications Technologies (ICCCT'19), 2019, Chennai, 23rd & 24th Feb 2019 .
47. Rani T.P, S.M.Aishvarya, D.Charu, Haripriya S,VR Based Flood Relief System, IEEE international conference on Computing and Communications Technologies (ICCCT'19), 2019, Chennai, 23rd & 24th Feb 2019
48. M.Harini priya,R. Veda priya, Dr.T.P.Rani, Shopping Sight for Glimpse Dearth, Proceedings of the International Conference on Contemporary Engineering and Technology 2020, 14th and 15th March 2020, Prince Sri Venkateshwara Padmavathy Engineering College, Chennai. ISBN 978-93-81288-22-1.
49. Kaviya V, Vedhashree D, Rani T P,"A novel Covid prevention method using Deep learning", 2020 IEEE 2nd International Conference on Power, Energy, Control and Transmission Systems, Sri Sairam Engineering College, Chennai,
50. Rani, T.P., Sree. M, S.K., Sharmila, P., Smart surveillance of driver using machine learning 3rd IEEE International Conference on Signal Processing and Communication, ICPSC 2021, Karunya Institute of Technology and Sciences, pp. 85–88,2021
51. Arun, Rani, Aruna Jasmine Project Educate A skill based e-learning for rural areas , 2021 IEEE 4th International Conference on Computing and Communications Technologies (ICCCT), Sri Sairam Engineering College, Chennai, doi: 10.1109/ICCCT53315.2021.9711825.

52. Jasmine, J.A., Srinivasan, S., Godson, M., Rani, T.P., Sakthy, S.S., Share Market Prediction Using Long Short Term Memory and Artificial Neural Network , 2021 IEEE4th International Conference on Computing and Communications Technologies (ICCCT), Sri Sairam Engineering College, doi: 10.1109/ICCCT53315.2021.9711849.
53. Rani, T.P., Koushik Shrivatsav, B., Prasanth, T.G., A Voice and Spiral Drawing Dataset for Parkinson's Disease Detection and Mobile Application,, in Proc. of---, doi: 10.1109/IC3IOT53935.2022.9767968.
54. T P Rani, Susila Sakthy P Kalaichelvi M Priyadharshan T Vignesh, Home Security And Anti-Theft System, in Proc. of IEEE International Conference on Computational Science and Technology, Oct 2022
55. Susila Sakthy.S ,Rani.T.P ,P.Kalaichelvi ,Badrinaath R,Sugavanesh M , Predicting Parkinson's Disease Progression Using Machine Learning Ensemble Methods, in Proc. of IEEE International Conference on Computational Science and Technology, Oct 2022.
56. S.Padmasri , Niranjana.S , T.P.Rani , P.Kalaichelvi , Susila Sakthy, Monitoring And Training Kit For Autism Spectrum Disorder Patients Using Artificial Intelligence , in Proc. of IEEE International Conference on Computational Science and Technology, 2022.
57. S..Susilasakthy P.Kalaichelvi T.P.Rani P.Niveditha D.Pooja, An Adaptable Smart And Iot-Based Solution To Assist Handicapped and Elderly Persons With Kitchen-Related Tasks, in Proc. of IEEE International Conference on Computational Science and Technology, Oct 2022.
58. S.Susila Sakthy T.P.Rani P.Kalaichelvi Abinaya.K Sharmila.B, An Automation Tool For Fair Price Shops In The Tamil Nadu Public Distribution System, in Proc. of IEEE International Conference on Computational Science and Technology, Oct 2022.
59. P.Kalaichelvi T.P.Rani, S.Susila Sakthy, S Chidambara Raja, P Charan Reddy , Improving Drone Technology Performance in Crop Fertilization, in Proc. of IEEE International Conference on Networking Communications ICNWC 2023.
60. Rani T.P, Sakthy S.S, Kalaichelvi P, Prasanth S, Venkatesh S, Fake App Detection Using Sentiment Analysis, 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, 2023.
61. Rani T.P, Sakthy S.S, Kalaichelvi P, Vignesh T, Priyadharshan M, Visual Information Translator Using Smart Glasses for Blind, 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, 2023.
62. T.P.Rani, Sakthy S, Kalaichelvi P, Niranjana S, Padmasri S, Solar Sentry, 2024 International Conference on Communication, Computing and Internet of Things, 2024 Proceedings, 2024.

63. Susila Sakthy S, Rani T.P, SharmilaB, Abinaya K, Machine Learning Based Sign Language Recognition Translation Methods, 2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings, 2024.
64. Susila sakthy S, Devi B.R, Rani T.P, Niveditha P, Pooja D, Enhancing Accessibility and Inclusivity For People With Disabilities Using Hand Gesture Recognition Proceedings of the 2024 10th International Conference on Communication and Signal Processing, ICCSP 2024, 2024, pp. 231–235.

SEMINARS AND WORKSHOPS ATTENDED:

1. Workshop on Accreditation at Panimalar Engineering College, Chennai during 29-07-05 to 31-07-05.
2. Seminar on “Teaching Network and Data Security in Engineering Curricula” at Anna University, Chennai on 21-07-06.
3. FDP in “Embedded Systems” at Velammal Engineering College during 04-12-06 to 16-12-06.
4. Seminar in “NCCICT” at Sri Sai Ram Engineering College during 09-03-07 to 10-03-07.
5. Workshop on “Network Processors” at Anna University during 30-05-07 & 31-05-07.
6. FDP on Balance of Emotional Intelligence in working Environment for Teaching Faculty at Sri Sai Ram Engineering College during 06-12-07 to 12-12-07.
7. Workshop in “E-Learning in Education” at NITTTR on 19-12-08
8. Staff development Program in “Mobile Networks” at Sri Sai Ram Engineering College in Jan’09.
9. Seminar in “NCCICT” at Sri Sai Ram Engineering College in Dec’09.
10. Staff Development Program on “Recent Trends in Computing” at Sri Sai Ram Engineering College in May’10.
11. Seminar on “ Digital Standards” at MIT in April’10
12. Ministry of Communication & Information Technology(MOCIT) Sponsored National Level Seminar on Research Methodologies in Next Generation Wireless Network using OPNET, Sri Sairam Engineering College, Chennai – 19th – 21st August 2010.
13. Seminar on “Mobile Computing” at R.M.K Engineering College in Feb’11
14. Workshop on “Next Generation Wireless Networks” at Sri Sai Ram Engineering College in Mar’11
15. Workshop on Simulation of Advanced Networks Using NS-2 at MIT on 02-12-11 & 03-12-11
16. Internal Quality Auditor Training Program on Quality Management System and Audit Training ISO 9001-2008 Creative Management Consultants, Chennai, 11th and 12th October 2011
17. Workshop on “The Art of Journal and Thesis Writing” at Sri Sai Ram Engineering College on 19-01-12
18. Workshop on “Opnet” at Sri Sai Ram Engineering College in 21-03-12
19. Workshop on “Network Security” at Anna University on 20-07-12

20. Workshop on “Hands on Session on Network Security” at Anna University on 27-07-12 & 28-07-12
21. Workshop on “Network Design- A Practical Approach” at Anna University on 03-10-13 & 04-10-13
22. IET sponsored two days Workshop on “Hands On Workshop on NS2” at KCG College of Technology on 21-10-13 & 22-10-13.
23. Attended a One day workshop on “How to write Research Papers for Refereed Journals”. It was conducted by the Department of Electronics and Communication Engineering at Sri Sai Ram Institute of Technology, Chennai on 13-2-15.
24. Attended Tutorial Session on “Internet of Things” in the 2017 IEEE International Conference on Computing and Communications Technologies (ICCCT’17), 2017, Chennai, 23rd and 24th February 2017.
25. Attended Amazon workshop on “Amazon web service” conducted by ICTACT, Chennai from 21-11-17 to 24-11-17
26. Attended Amazon AWS educator meet 2019 - Chennai, organized by ICT Academy powered by AWS held on 07 February 2019 at Radisson Blu GRT, Chennai, India
27. Attended one day faculty development program FDP on Methodologies and practices for profitable research through patent and IPR on 4th Jan 2019 conducted by Allinov Research and development Pvt. Ltd at Sri Sai Ram Engineering College.
28. Attended one day FDP is organised on Outcome Based Education (OBE) for the teaching faculty on 5th April, 2019 organised by IQAC at Sri Sai Ram Engineering College.
29. Attended NPTEL FDP on Internet of Things in Jan - April 2019
30. Attended Virtual Atal FDP in “Blended Learning and Flipped Classroom”, at JIS College of Engineering/CSE Dept, Kolkata, on 24-8-2020 to 28-8-2020.
31. Attended Virtual Atal FDP in “Artificial Intelligence”, at Dr APJ Abdul Kalam Technical University, Lucknow, on 29-8-2020 to 2-9-2020.
32. Attended Five days Virtual STTP at SSN College of Engineering on Cyber Security Tools from 30-3-2021 to 3-4-2021

33. Attended five days FDP in Online Training Program for Mentors from 26th to 30th July 2021 organized by NITTT(National Initiative for Technical Teachers Training)
34. Completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 2 August, 2021 to 6th Aug 2021.
35. Completed two days NAAC sponsored FDP on Revised Accreditation Framework for Quality enhancement in Higher Education Institutes from 14-7-2021 to 15-7-2021 organised by IQAC cell , Sri Sairam Engineering College
36. Attended five days Virtual Atal FDP in “Machine Learning Concepts in Python”, at Government Polytechnic College, Gandhi nagar, Gujarat on 5-7-2021 to 0-7-2021.
37. Attended five days Virtual Atal FDP in “IOT and Cyber Security”, at Institute of Engineering and Management, Lucknow on 21-6-2021 to 25-6-2021.
38. Attended NPTEL FDP on Computer Networks and Internet Protocol in Jan - April 2021
39. Attended NPTEL Continuing Education Program on Quantum Cryptography and Quantum Algorithms 17-11-2022 to 21-11-2022
40. Attended NPTEL FDP on Software Testing in Jan- Feb 2022
41. Attended NPTEL FDP on Cloud computing in Jan- Feb 2022
42. Attended NPTEL FDP on Python for Data Science in Jul - Aug 2022
43. Attended NPTEL FDP on Demystifying Networking in Jul - Aug 2022
44. Attended NPTEL FDP on Database Management System in Jul- Aug 2024

NPTEL - AICTE COURSE CERTIFICATIONS (2019-2024):

1. Compiler Design
2. Introduction to Database Systems
3. Operating System Fundamentals
4. Cryptography and Network Security
5. Demystifying Networking
6. Python for Data Science
7. Cloud computing
8. Software Testing
9. Computer Networks and Internet Protocol
10. Introduction to Internet of Things
11. Database Management System

Coursera Courses Completed

1. **Intermediate Relational Database and SQL**
2. **Testing and Debugging Python**
3. **Linear Regression with NumPy and Python**
4. **Images and Links in HTML**
5. **Introduction to Python**
6. **AWS Fundamentals: Addressing Security Risk**
7. **Support Vector Machines in Python, From Start to Finish**
8. **Video Basics with OpenCV and Python**

NITTTR AICTE 8 MODULE CERTIFICATIONS: Module 1 to Module 8 completed Register Number: 202111115294