Dr. V. SARITHA
Professor and Head
Department of Computer Science and Engineering
School of Engineering and Technology
Sri Padmavati Mahila Visvavidyalayam, Tirupati, India
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Summary:

- *Has about 25 years of teaching experience.*
- *Recipient of Researcher Award in VIT University in 2010, 2012, 2013, 2014, 2015, 2016*
- *H-index - 17; i-10 index - 28; 1082 citations*
- *Has published 76 papers in various International conferences and Journals*
- *Indexed papers in Scopus, SCI, Thomson Reuters, google scholar etc*
- *Published papers in IEEE Transactions, Springer, Elsevier, Wiley-Interscience, Inderscience etc.*
- *Reviewer for IET, IEEE, Wiley-Interscience, Elsevier and Inderscience Journals*
- *Worked for Software Connections for 2 months*
- *Worked for VK College of Computer Engineering and Technical Education, Vijayawada for 2 years*
- *Worked for VIT University, Vellore for 15 + years*
- *Worked for Sree Vidyanikethan Engineering College, Tirupati for one year*
- *Presently working for Sri Padmavati Mahila Visvavidyalayam, Tirupati*

Qualification:

- Ph. D - Computer Science & Engineering from VIT University, Vellore, 21st April 2014 [Thesis Title: Novel Strategies for Efficient Channel Allocation in Vehicular Adhoc Networks] – 28th August 2009 (Start Date)
- M. Tech - Computer Science & Engineering from VIT University, Vellore, 22nd May 2006, 11th August 2003
- B. Tech – Electronics and Communications & Engineering from Andhra University, Visakhapatnam, 6th June 1998, 22nd Aug 1994.

Working Experience

S. No	Organisation	Period of Service	
		From	**To**
1	Software Connections	11th Jan 1999	8th March 1999
2	VK College of Computer Engg. and Technical Education	1st June 1999	31st July 2001
3	VIT University	27th August 2001	31st May 2017
4	Sree Vidyanikethan Engineering College	1st June 2017	29th June 2018
5	School of Engineering and Technology, Sri Padmavati Mahila University	30th June 2018	Till Date

Research Guidance

S.No	Name of the Candidate	Degree Awarded M.Phil/Ph.D	Year of Award	Title of the Thesis
1.	M. Bhagyavathi	Ph.D	2017	Novel Strategies for Efficient Multipath Routing in Vehicular Adhoc Networks
2.	D. Nagaraju	Ph.D	2017	Investigations on Dynamic Task Offloading Strategies in Mobile Cloud Computing

Funded Projects Applied

- P. Venkata Krishna, K.Sandhyarani, V. Saritha and M.Usharani, "Development of Affordable Health Care Technologies using Internet of Things" under RUSA, Rashtriya Uchchatar Shiksha Abhiyan.
- P. Venkata Krishna, V. Saritha and N.Sai Lohitha, "Development of Public Healthcare Infrastructure Network using Machine Learning and Block Chain Technology" under CSIR, Council of Scientific & Industrial Research.

DST-CURIE AI Projects
- V. Saritha, "Automatic Generation of Question Papers based on Bloom's Taxonomy and Course Outcomes from the Question Bank", 20-10-2023 to 20-03-2024.
- G. Sahana and V.Saritha, "Facial Movements based Mouse Cursor Control for Physically Disabled Individual", 26-12-2023 to 26-03-2024

Patents:

1. Basetty Mallikarjuna, S. Ponmani Raj, V.Saritha, "HEALTH CARE DATA MANAGEMENT SYSTEM AND METHOD", Application No.201911000743 A, Date of filing of Application: 07/01/2019, Publication Date: 10/07/2020

2. Gupta, Deepak; Reddy, B. Srinivasulu; Thakare, Anuradha; Krishna, P. Venkata; Kalyampudi, P.S. Latha; Saritha, V.; Nagpure, Santosh Gopal; Chordiya, S. B. and Yadav, Shalini, "HBT-Temperature and Location Monitor: Human Body Temperature And Location Monitor Using Iot- Based Technology", Patent number: 2020102512, Publication Date: 04/11/2020

3. Dr. P. Venkata Krishna, Dr. V. Saritha, Dr. M. Usha Rani, Dr. Sandhya Tatekalva, Dr. S. Suneetha, D. Kiranmayee, Dr. Jabeen Sultana, M.Sethuram, Supriya Addanki, D J Anusha, "Health Monitoring: Women Health Monitoring Using Electronic Jewellery (Wi-Fi)", Application Number: 2021410088, Publication Date: 26/03/2021

4. Pradeep G, Dr. Anumolu Lasmika, Jameer Shaik, Subramanyam Kundili, Machireddy Chandanapriya, Dr. S. Ramamoorthy, Dr. V. Saritha, "Internet of Things based Camera for Healthcare Management Detection in Medical Environment Analysis", Application No.202441000627 A, Publication Date: 09/02/2024

5. Dr. V. Saritha, Dr. P. Venkata Krishna, Ms. G. Prathyusha, Ms. Dunna Nikitha Rao, Ms. T. Sreedevi, Dr. G. Sandhya Madhuri, Dr. N. V. Muthu Lakshmi, Ms. K. Chandana Sree, "AUTOMATION OF QUESTION PAPER GENERATION USING QUESTION BANK", Application No.202441070438 A, Publication Date: 04/10/2024

Books published: 2

1) Challenges, Opportunities, and Dimensions of Cyber-Physical Systems, IGI-Global Publishers, November 2014 ISBN13: 9781466673120|ISBN10: 1466673125|EISBN13: 9781466673137|DOI: 10.4018/978-1-4666-7312-0
2) Venkata Krishna. P, M. Rajasekharababu and V. Saritha "Principles of Grid Computing: Concepts & Applications", Ane Books, New Delhi, 2010 ISBN: 9380618159

Book Chapters:

1. Amtul Waheed, Jana Shafi, V. Saritha (2022). Comparing Machine Learning Models for the Predictions of Speed in Smart Transportation Systems. In Handbook of Research on Advances in Data Analytics and Complex Communication Networks. pp. 34-46
2. Nimirthi, P., Krishna, P. V., Obaidat, M. S., & Saritha, V. (2019). A Framework for Sentiment Analysis Based Recommender System for Agriculture Using Deep Learning Approach.In *Social Network Forensics, Cyber Security, and Machine Learning* (pp. 59-66). Springer, Singapore.
3. Kavitha, M., Krishna, P. V., & Saritha, V. (2019). Role of Imaging Modality in Premature Detection of Bosom Irregularity. In *Internet of Things and Personalized Healthcare Systems* (pp. 81-92). Springer, Singapore.
4. Viswanatham, P., Krishna, P. V., Saritha, V., & Obaidat, M. S. (2019). Multimodal Biometric Invariant Fusion Techniques. In *Biometric-Based Physical and Cybersecurity Systems* (pp. 321-336). Springer, Cham.
5. Obaidat, M. S., Krishna, P. V., Saritha, V., & Agarwal, S. (2019). Advances in Key Stroke Dynamics-Based Security Schemes. In *Biometric-Based Physical and Cybersecurity Systems* (pp. 165-187). Springer, Cham.
6. Krishna, P. V., Saritha, V., & Sultana, H. P. (2017). Cyber Physical Control Systems.In *Artificial Intelligence: Concepts, Methodologies, Tools, and Applications* (pp. 2575-2599).IGI Global.
7. Krishna, P. V., & Saritha, V. (2016). Fault-Tolerant Routing in WSNs. *Soft Computing Applications in Sensor Networks*, CRC Press, 97, ISBN - 1315354713
8. Krishna, P. V., Saritha, V., & Sivanesan, S. (2016). Ubiquitous Context Aware Services. *Soft Computing Applications in Sensor Networks*, CRC Press, 173, ISBN - 1315354713
9. P. Venkata Krishna and V. Saritha, "Ant colony inspired routing for mobile ad hoc networks", *Dynamic Ad-Hoc Networks*, The IET Book Publishing Department, 2013, ISBN 978-1-84919-647-5, eISBN 978-1-84919-648-2.

Important Journal Publications

1. Basha, P. H., Prathyusha, G., Rao, D. N., Gopikrishna, V., Peddi, P., & Saritha, V, "AI-Driven Multi-Factor Authentication and Dynamic Trust Management for Securing Massive Machine Type Communication in 6G Networks", International Journal of Intelligent Systems and Applications in Engineering, 12(1s), 361-374, 2024.

2. Pradeep, G., Ramamoorthy, S., Krishnamurthy, M., & Saritha, V, "Energy Prediction and Task Optimization for Efficient IoT Task Offloading and Management" International Journal of Intelligent Systems and Applications in Engineering, 12(1s), 411-427, 2024.

3. Deepthi, B. G., Rani, K. S., Krishna, P. V., & Saritha, V, "An efficient architecture for processing real-time traffic data streams using apache flink" Multimedia Tools and Applications, 1-17, 2023.

4. Bhargavi Akula, V. Saritha and N. Sai Lohitha, "A Study on Crime Data Visualization and Trends Forecasting", International Journal of Computer Engineering in Research Trends, Vol. 10, Issue-4, 2023. E-ISSN: 2349-7084. https://www.ijcert.org/index.php/ijcert/article/view/8/5

5. Usharani, Chava & Krishna, P. & Akki, Praveena & Saritha, V. & Jayaraman, Gitanjali. (2022). Secure Communication Model for Dynamic Task Offloading in Multi-Cloud Environment. International Journal on Recent and Innovation Trends in Computing and Communication. 10. 155-160. 10.17762/ijritcc.v10i10.5744.

6. Aavate Vani, V. Saritha & B. Munilakshmi (2022). Remote Operation of System using Alexa. Journal of Interdisciplinary Cycle Research. Volume XIV, Issue XII, December/2022, pp. 326-332, ISSN NO: 0022-1945. https://drive.google.com/file/d/1c0zo3STCKAriRV-ozZdRjvyetIQf2Csm/view

7. G. Rekha, V. Saritha, P. Jayasri, D. Narmitha, "Surveillance System Based on IoT for Smart-Home Automation", International Journal of Combined Research & Development (IJCRD) eISSN: 2321-225X; pISSN: 2321-2241 Volume: 11; Issue: 4; April -2022, pp. 1141-1143 https://www.ijcrd.com/files/Vol_11_issue_4/1141.pdf

8. T. Sirisha Madhuri, P. Venkata Krishna, V. Saritha, "A Deep Autoencoder for multi-classification on LargeDatasets in Hadoop Distributed File System", International Journal of Combined Research & Development (IJCRD), eISSN: 2321-225X; pISSN: 2321-2241 Volume: 11; Issue: 4; April – 2022, pp.1198-1202. https://www.ijcrd.com/files/Vol_11_issue_4/1150.pdf

9. Kalyampudi, P. S., Krishna, P. V., Kuppani, S., & Saritha, V. (2021). A work load prediction strategy for power optimization on cloud based data centre using deep machine learning. *Evolutionary Intelligence*, *14*(2), 519-527.

10. Rani, S. D., Pounambal, M., & Saritha, V. (2020). An efficient algorithm for dynamic task offloading using cloudlets in mobile cloud computing. International Journal of Communication Systems, 33(13).

11. Vankadara, S., & Dasari, N. (2020). Energy-aware dynamic task offloading and collective task execution in mobile cloud computing. *International Journal of Communication Systems*, e3914, pp.1-14

12. Krishna, P. V., Saritha, V., & Obaidat, M. S. (2019). E2CA-SM: an energy-efficient channel allocation with sleep mode for base station in fifth-generation-based cellular network systems. *IET Networks*, *9*(2), 74-82.

13. Dr. V. Saritha and Sakshi Madhuri, (2019). Missing Data Imputation using Machine Learning Methods. International Journal of analytical and experimental modal analysis, Vol. XI, Issue X, pp. 455-462, ISSN No: 0886-9367 https://app.box.com/s/3kpnqcu0y9tamsh887ytnzhjarwmq62r

14. Bhagyavathi, M., & Saritha, V. (2019). Energy and velocity-based multipath routing protocol for VANET. *International Journal of Advanced Intelligence Paradigms*, *12*(3-4), 239-253.

15. Nithyadharshini, P. S., Pounambal, M., Nagaraju, D., & Saritha, V. (2018). An adaptive fault tolerance mechanism in grid computing. ARPN J. Eng. Appl. Sci, 13, 2543-2548. ISSN 1819-6608

16. RAJU, D. N., & SARITHA, V. (2018). A survey on communication issues in mobile cloud

computing. Walailak Journal of Science and Technology (WJST), 15(1), 1-17.

17. Babu, P. R., Krishna, P. V., Raju, D. N., Saritha, V., & Pounambal, M. (2017). An enhanced virtual backoff algorithm for wireless sensor networks. *International Journal of Wireless and Mobile Computing*, *13*(3), 179-187.

18. Bhagyavathi, M., Saritha, V., & Venkata Krishna, P. (2017). A novel method for multipath routing using cross layer approach in vehicular adhoc networks. *International Journal of Communication Systems,* Volume 30, Issue 11.

19. Nagaraju, D., & Saritha, V. (2017) An Evolutionary Multi-Objective Approach for Resource Scheduling in Mobile Cloud Computing. International Journal of Intelligent Engineering and Systems, Vol.10, No.1, 2017

20. Raju, D. N., & Saritha, V. (2016). Architecture for Fault Tolerance in Mobile Cloud Computing using Disease Resistance Approach. *International Journal of Communication Networks and Information Security*, *8*(2), 112.

21. Raju, D. N., & Saritha, V. (2016). Cost Optimization approach for cloud-based smart grid data management. *International Journal of Smart Grid and Green Communications*, *1*(2), 143-155.

22. Viswanatham, V. M., Chari, A. A., & Saritha, V. (2016). Region-based group and hierarchical key management for secure smart grid communications. *International Journal of Smart Grid and Green Communications*, *1*(1), 50-61.

23. Bhagyavathi, M., & Saritha, V. (2016). LeapFrog and Particle Swarm Optimization based Multipath Routing for VANETs. Contemporary Engineering Sciences, Vol. 9, 2016, no. 31, 1525 – 1533

24. Misra, S., Krishna, P. V., Saritha, V., Agarwal, H., Vasilakos, A. V., & Obaidat, M. S. (2015). Learning automata-based fault-tolerant system for dynamic autonomous unmanned vehicular networks. *IEEE Systems Journal*, *11*(4), 2929-2938.

25. Misra, S., Krishna, P. V., Saritha, V., Agarwal, H., Shu, L., & Obaidat, M. S. (2015). Efficient medium access control for cyber–physical systems with heterogeneous networks. *IEEE Systems Journal*, *9*(1), 22-30.

26. Misra, S., Krishna, P. V., Kalaiselvan, K., Saritha, V., & Obaidat, M. S. (2014). Learning automata-based QoS framework for cloud IaaS. *IEEE Transactions on Network and Service Management*, *11*(1), 15-24.

27. Saritha, V., & Viswanatham, V. M. (2014). Approach for channel reservation and allocation to improve quality of service in vehicular communications. *IET networks*, *3*(2), 150-159.

28. Saritha, V., & Madhu Viswanatham, V. (2014). An efficient cross layer based channel reservation method for vehicular networks. *International Journal of CommunicationSystems*, *27*(12), 4249-4264.

29. Misra, S., Krishna, P. V., Saritha, V., Agarwal, H., & Ahuja, A. (2014). Learning automata-based multi-constrained fault-tolerance approach for effective energy management in smart grid communication network. *Journal of Network and Computer Applications*, *44*, 212-219.

30. Krishna, P. V., Misra, S., Saritha, V., Agarwal, H., & Chilamkurti, N. (2013). Learning automata-based virtual backoff algorithm for efficient medium access in vehicular ad hoc networks. *Journal of Systems Architecture*, *59*(10), 968-975.

31. Misra, S., Krishna, P. V., Saritha, V., & Obaidat, M. S. (2013). Learning automata as a utility for power management in smart grids. *IEEE Communications Magazine*, *51*(1), 98-104.

32. Ahuja, A., Krishna, P. V., & Saritha, V. (2013). Analysis of a refined model for the IEEE 802.11 distributed coordination function. *International Journal of Communication Networks and Distributed Systems*, *10*(1), 66-82.

33. Krishna, P. V., Saritha, V., Vedha, G., Bhiwal, A., & Chawla, A. S. (2012). Quality-of-service-enabled ant colony-based multipath routing for mobile ad hoc networks. *IETcommunications*,

6(1), 76-83.

34. Jain, D., Krishna, P. V., & Saritha, V. (2012). A study on internet of things based applications. *arXiv preprint arXiv:1206.3891*.

35. Misra, S., Krishna, P. V., & Saritha, V. (2012). An efficient approach for distributed channel allocation with learning automata-based reservation in cellular networks. *Simulation*, *88*(10), 1166-1179.

36. Misra, S., Krishna, P. V., & Saritha, V. (2012). LACAV: an energy-efficient channel assignment mechanism for vehicular ad hoc networks. *The Journal of Supercomputing*, *62*(3), 1241-1262.

37. Krishna, P. V., Misra, S., Obaidat, M. S., & Saritha, V. (2009). Virtual backoff algorithm: An enhancement to 802.11 medium-access control to improve the performance of wireless networks. *IEEE Transactions on Vehicular Technology*, *59*(3), 1068-1075.

38. Krishna, P. V., Misra, S., Obaidat, M. S., & Saritha, V. (2009). An efficient approach for distributed dynamic channel allocation with queues for real-time and non-real-time traffic in cellular networks. *Journal of Systems and Software*, *82*(7), 1112-1124.

International Conferences/National Conference/Workshop Papers:

39. V.Saritha, "Healthcare supply chain using Blockchain and Artificial Internet of Things (AIOT)", in International Conference on Innovations in Advanced Artificial Intelligence and Augmented Reality, organized by DST-CURIE-AI centre, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India, 11th and 12th March 2024.

40. V.Saritha, "Tech-Enabled Medicine: Bridging IoT, AI and Blockchain in Healthcare", in International Conference on Innovations in Advanced Artificial Intelligence and Augmented Reality, organized by DST-CURIE-AI centre, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India, 11th and 12th March 2024.

41. Deepigaa V S, P. Venkata Krishna, V.Saritha, "Enhancing the Security and Privacy inPalm Vein Biometric System", in International Conference on Innovations in Advanced Artificial Intelligence and Augmented Reality, organized by DST-CURIE-AI centre, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India, 11th and 12th March 2024.

42. V.Saritha, "A Survey on Bigdata Analytics Applications, Challenges and Technologies", in International Conference on Innovations in Advanced Artificial Intelligence and Augmented Reality, organized by DST-CURIE-AI centre, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India, 11th and 12th March 2024.

43. V.Saritha, "Vision Health IoT – The Exclusive Network for Next-Gen Public Health", in International Conference on Innovations in Advanced Artificial Intelligence and Augmented Reality, organized by DST-CURIE-AI centre, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India, 11th and 12th March 2024.

44. Ch. Ellaji, R.S.Ponmagal, and V.Saritha, "Study on Federated Learning Model with Pruning, Optimal Quantization, and Selective Updating for IoT and Big data Analytics", in the proceedings of 4th International Conference on Internet of Things (ICIoT 2023), SRM Institute of Science and Technology, Chennai, April 26-28, 2023.

45. Bhargavi Akula, Prof. V. Saritha, and N. Sai Lohitha, "A study on crime data visualizations and trends forecasting", in the proceedings of 4th International Conference on Computing, Communications, and Data Engineering (CCODE-23), Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati, 17th and 18th March 2023.

46. P Jayasri, Dr. R.Jeya, and V. Saritha, "Federated Learning Based Anomalies detection in Industrial Internet of Things", The Third National Conference on Innovative Technologies Post Pandemic (NCTOPP-2022), held at New Horizon College of Engineering, Bengaluru in association with IIT Roorkee, 7th and 8th April, 2022

47. CH.Ellaji, Dr.R.S.Ponmagal, and V. Saritha, "Enhanced Privacy preservation using federated learning for IOT and Big data", The Third National Conference on Innovative Technologies Post Pandemic (NCTOPP-2022), held at New Horizon College of Engineering, Bengaluru in association with IIT Roorkee, 7th and 8th April, 2022

48. Mallikarjuna, B., Kiranmayee, D., Saritha, V., & Krishna, P. V. (2021, June). Development of Efficient E-Health Records Using IoT and Blockchain Technology. In *ICC 2021-IEEE International Conference on Communications* (pp. 1-7). IEEE.

49. D. Kalaivani, S. Rajkumar, V. Saritha (2020). A Research on Clustering in VANET: Framework, Challenges, and Applications. 3rd International Conference on Computing, Communications and Data Engineering, CCODE 2020, November 6-7, 2020.

50. A. ReetuIswarya, V. Saritha and C.Pradeepthi (2020). Survey on Smart Education by using Emerging Technologies. 3rd International Conference on Computing, Communications and Data Engineering, CCODE 2020, November 6-7, 2020.

51. T. Sirisha Madhuri, P. Venkata Krishna, V. Saritha (2020). Detection of Network Intrusion in Big Data using Apache Spark. 3rd International Conference on Computing, Communications and Data Engineering, CCODE 2020, November 6-7, 2020.

52. Obaidat, M. S., Reddy, N. R., Venkata, K. P., & Saritha, V. (2018, July). Context-aware middleware architectural framework for intelligent smart grid data management. In *2018 International Conference on Computer, Information and Telecommunication Systems (CITS)* (pp. 1-5). IEEE

53. Kavitha, M., Saritha, V., Venkata, K. P., & Obaidat, M. S. (2018, July). Wireless Sensor Enabled Breast Self-Examination Assistance to Detect Abnormality. In *2018 International Conference on Computer, Information and Telecommunication Systems (CITS)* (pp. 1-5). IEEE.

54. Saritha, V., Krishna, P. V., Alagiri, I., Viswanatham, V. M., & Obaidat, M. S. (2018, May). Efficient Multipath Routing Protocol with Quality of Service for Mobile Ad Hoc Networks. In *2018 IEEE International Conference on Communications (ICC)* (pp. 1-6). IEEE.

55. G. Preethi, P. Venkata Krishna, Obaidat M. S, V. Saritha, Sumanth Yenduri, "Application of Deep Learning to Sentiment Analysis for Recommender System on Cloud", 2017 IEEE International Conference on Computer, Information and Telecommunication Systems, Dalian, China, July 21-23, 2017, pp. 93 – 97.

56. T. S. Pradeep Kumar, P. Venkata Krishna, Obaidat M. S, V. Saritha, "Stochastic Power Modeling of Wireless Sensor Networks for Mission Critical Systems", Future Technologies Conference (FTC), 2017, IEEE, Vancouver, Canada, 29-30 November 2017, pp. 1-8

57. P. Venkata Krishna, M. S. Obaidat, D. Nagaraju, V. Saritha, "CHSEO: An Energy optimization approach for communication in the Internet of Things", IEEE Globecom conference 2017, 4-8 December 2017, Singapore, pp.1-6

58. T. S. PradeepKumar, P. V. Krishna, M. S. Obaidat, V. Saritha and K. F. Hsiao, "Energy Optimisation using Distance and Hop-based Transmission (DHBT) in Wireless Sensor Networks, *Scheme and Simulation Analysis*", In Proceedings of the 7th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2017), Madrid, Spain, 26-28 July 2017, pages 17-23

59. P. V. Krishna, S. Misra, V. Saritha, D. N. Raju and M. S. Obaidat, "An efficient learning-automata based task offloading in mobile cloud computing environments," 2017 IEEE

International Conference on Communications (ICC), Paris, France, 21-25 May 2017, pp. 1-6. doi: 10.1109/ICC.2017.7997139

60. Saritha, V., Krishna, P. V., Misra, S., & Obaidat, M. S. (2016, December). Learning Automata-Based Channel Reservation Scheme to Enhance QoS in Vehicular Adhoc Networks. In *Global Communications Conference (GLOBECOM), 2016 IEEE* (pp. 1-6). IEEE, Washington, DC, USA

61. Saritha, V., Krishna, P. V., Misra, S., & Obaidat, M. S. (2017, May). Learning automata based optimized multipath routing using leapfrog algorithm for VANETs. In *Communications (ICC), 2017 IEEE International Conference on* (pp. 1-5). IEEE, Paris, France.

62. Krishna, P. V., Misra, S., Nagaraju, D., Saritha, V., & Obaidat, M. S. (2016, July). Learning automata based decision making algorithm for task offloading in mobile cloud. In *Computer, Information and Telecommunication Systems (CITS), 2016 International Conference on* (pp. 1-6). IEEE, Kunming, China.

63. Krishna, P. V., Misra, S., Pounambal, M., Saritha, V., & Obaidat, M. S. (2016, May). Reservation and contention reduced channel access method with effective quality of service for wireless mesh networks. In *Communications (ICC), 2016 IEEE International Conference on* (pp. 1-7). IEEE, Kuala Lumpur, Malaysia.

64. Misra, S., Vasilakos, A.V., Obaidat, M.S., Krishna, P.V., Agarwal, H., Saritha, V, "A fault-tolerant routing protocol for dynamic autonomous unmanned vehicular networks"(2013) IEEE ICC'13, 9-13 June, Budapest, Hungary PP. 3525 - 3529 doi: 10.1109/ICC.2013.6655097

65. Rohit Ramesh, Anshul Goel and V. Saritha, "A Survey on Concurrency Control in Database Management Systems", Conf- International Conference on Electrical, Electronics and Computer Science (ICEECS), The Institute for Research and Development, India (IRD INDIA), TIRUPATI, AP, 13th October 2012.

66. *Harshit Agarwal*, Antriksh Saxena, Venkata Krishna Parimala, Saritha Vankadara "FlexiSim: A user Friendly Environment for Network Simulations", *The 2011 International Conference on Wireless Networks (ICWN 2011),* 18-21 July, LasVegas, Nevada, USA, *pp. 366-372, CSREA Press.*

67. Arun Nutakki, Venkata Krishna Parimala, Aditya Ahuja, Saritha V, "Finite State Automata Based Fault Tolerant and Energy Efficient Routing (Fsa-Fteer) in Wireless Sensor Networks", *The 2011 International Conference on Wireless Networks (ICWN 2011), pp. 81-87, CSREA Press,* 18-21 July, LasVegas, Nevada, USA.

68. Misra, S., Krishna, P.V., V. Saritha Learning Automata Based Reservation Scheme forChannel Allocation in Wireless Networks, 1st International Conference on e-Technologies andNetworks for Development, ICeND 2011, August 3-5, 2011, Pahang, Tanzania, (pp. 116-126).Springer Berlin Heidelberg.

69. Ruchir Patwa, P. Venkata Krishna and V. Saritha, "Analysis and Comparison of Fault Tolerant Routing Protocols in Mobile Ad Hoc Networks", 2011 3rd International Conference on Computer Modeling and Simulation, 30 March – 01 April, 2011, Nottingham Notts United Kingdom.

70. Vinay Sharma, P. Venkata Krishna and V. Saritha, "Intrusion Detection in Wireless Mesh Network Using Incomplete Non-Cooperative Game Theory", Computer and Network Technology, pp. 191-195, 2010. doi: 10.1142/9789814289771_0037, 23-25 April 2010, Bangkok, Thailand.

71. P. Venkata Krishna, Sudip Misra, Mohammed S. Obaidat and V. Saritha, "A New Scheme for Distributed Channel Allocation in Cellular Wireless Networks" in Proc. of 12th ACM/SCS Communications and Networking Simulation Symposium (CNS), San Deigo, USA, March 22-27, 2009

72. P. Venkata Krishna, Sudip Misra, Mohhamed S. Obaidat and V. Saritha, "An Efficient 802.11 Medium Access Control Method and Its Simulation Analysis" In Proc. of 7th ACS/IEEE International Conference on Computer Systems and Applications, AICCSA 2009, Rabat, Morocco. May 10-13, pp. 330-335, 2009

73. V. Saritha and J.Revathi, "An IDS Based Security mechanism in Ad-Hoc Networks using Agents", National Conference on High speed Networks, March 1st 2007, New Horizon College of Engineering, Bangalore

74. V. Saritha and Sudarsan Annagi V.S, "A Survey on various location management schemes for next generation cellular networks", National Conference on High speed Networks, March 1st 2007, New Horizon College of Engineering, Bangalore

75. V.Saritha and P.Vivekananda, "Security in Mobile Ad-Hoc Routing Protocols", National Conference on High speed Networks, March 1st 2007, New Horizon College of Engineering, Bangalore

76. V. Saritha and Sudarsan Annagi V.S, "An Hybrid ARQ Technique for Wireless and Mobile networks with low forward error corrections", International conference, ObCom 2006, Mobile, Ubiquitous and Pervasive Computing, 18th and 19th Dec 2006.

As a Resource Person:

1. Resource person for a workshop on "AI Tools", organized by Tirumala Engineering College, Narasarao Pet, Guntur, 7th and 8th November 2024.

2. Judge for Rangoli Event in Virinchi – A National Level Cultural Fiesta on 11th and 12th April 2023, School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati.

3. Session on Blockchain Applications across domains on 19th January 2024 in Faculty Development Program on "Blockchain Technology and its applications", organized by Computer Science and Engineering, GHRIET, Nagpur on 15th Jan to 20th Jan 2024.

4. Invited talk on "ICT Tools and Applications for Business Management" in the training Workshop on "Smart Skills" for women entrepreneurs from 17th to 18th August 2023, organized by Centre for International Relations in collaboration with APCICT-WIFI-SPMVV, SPMVV, Tirupati.

5. Session on 20th July 2023 in Faculty Development Program on "Cyber Security and Block Chain Technology", organized by Sri Venkateswara College of Engineering, Tirupati during 19th – 23rd July 2023.

6. Expert in the selection committee for recruitment of Scientist/Engineer-SC, National Atmospheric Research Laboratory, 9th and 10th May 2023.

7. Judge in Snapshot and Meme Contest in Virinchi – A National Level Cultural Fiesta, School of Engineering and Technology, 11th and 12th April 2023.

8. Session Chair Person at the 4th International Conference on Computing, Communications, and Data Engineering (CCODE-23), held on 17th and 18th March 2023 organized by the Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati.

9. Session Chair Person at the Third National Conference on Innovative Technologies Post Pandemic (NCTOPP-2022), held on the 7th and 8th of April 2022 organised by the Department of Information Science and Engineering, New Horizon College of Engineering, Bengaluru in association with IIT Roorkee.

10. Session chair for Plenary Session -3 in 2nd Virtual National Conference on Advances in Artificial Intelligence (AAI2021) organized by DST-Curie-Artificial Intelligence Centre, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh, India, 11th and 12th November

2021.

11. Resource Person in AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Drug safety monitoring and transition of care: The Brink of an Artificial Intelligence (AI)" from 27/07/2021 to 31/07/2021 at Raghavendra Institute of Pharmaceutical Education And Research.

12. Resource Person for Training on "Effective tools and methods for conduction of online assignments and examinations", Rajiv Gandhi University of Knowledge Technologies, Idupulapaya, AP, 22nd May 2021.

13. Delivered a Lecture on "Outcome Based Education", School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, 29th April 2021.

14. Resource person in Webinar on "NEP: Higher Education and Professional Education", organized by Department of Computer Science and Engineering, School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, 20-03-2021.

15. Delivered a Plenary talk on "Internet of Things", in 3rd International Conference on "Computing, Communications and Data Engineering", CCODE 2020, 6-7 November 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati.

16. Resource person in AICTE Training and Learning (ATAL) Academy FDP's 2020-21, on "Internet of Things", which is scheduled from 21st September – 25th September 2020. Resource person for the session on 24-09-2020, 9:45AM to 11:15 AM, on topic, "IoT based Smart Textiles", Anna university, Chennai

17. Resource person for Training on online exams in Faculty Development Programme (FDP) on "Digital Learning and Assessment using Microsoft Teams" organized by Command Control Center, Sri Padmavati Mahila Visvavidyalayam, Tirupati from 06 - 08, August 2020.

18. Session Chair Person at the 2nd International Conference on Computing, Communications, and Data Engineering (CCODE-2019), held on 1st and 2nd February 2019 organized by the Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati.

19. Delivered a guest lecture in the area of Recent Trends in Computer Architecture at Potti Sriramulu College of Engineering and Technology, Vijayawada, 8th February 2014

20. Delivered a guest lectures in "Internet of Things", at Potti Sriramulu College of Engineering and Technology, Vijayawada, 22nd December 2016

21. Chaired a technical session in the International conference on "Innovative Applications in Engineering and Information Technology", Sri Padmavati Mahila University, Tirupati, 1 – 2 February 2017

22. Delivered a Plenary talk in the conference on "International Conference on Computational, Mathematical and Biological Modeling", Sri Padmavati Mahila University, Tirupati, 26th March 2016

23. Session Co-chair for one of the sessions of International Conference on "Cognitive Science and Artificial Intelligence" organized by CSSE of Sree Vidyanikethan Engineering College, Tirupati, during 05-07, July, 2017

24. Resource Person for Cloud Computing Workshop of ASPIRE 2017, a two-day national level tech fest organized by Sri Padmavati Mahila University, Tirupati during 21-22 September 2017.

25. Delivered a lecture on "Understanding Principles of Cyber Physical Systems", for the AICTE sponsored two-week National level Faculty Development Program on "Challenges and Current Solutions of Cyber Physical Systems", 11th – 23rd December 2017, Sree Vidyanikethan Engineering College, Tirupati, 13th December 2017.

26. Chaired a technical session in the International Conference on "Universal Computing, Communications and Data Engineering (CCODE-2018)", Sri Padmavati Mahila University,

Tirupati, 7 – 8 February 2018

UG/PG/Ph.D Project /Thesis Guided since 2001   :

UG 45+; PG 25+

Seminar/ Workshop/Conference and faculty development programmes Attended:

1. One Day Workshop on Natural Language Processing organized by Department of CSE (DS), CSE (AI & ML), Andhra Loyala Institute of Engineering and Technology, in association with PANTECH E LEARNING PVT LTD, 02-09-2023.
2. One Week National level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, organised by the DST-CURIE-AI center of Sri Padmavati Mahila Visvavidyalayam (SPMVV University), Tirupati, in association with ipsr solutions limited from 18 March 2024 to 23 March 2024.
3. Innovation Ambassador (IA) training 'Advanced Level' conducted by MoE's innovation Cell & AICTE during the IIC calendar year 2021-22, 01-10-2022
4. Innovation Ambassador (IA) training 'Foundation Level' conducted by MoE's innovation Cell & AICTE during the IIC calendar year 2021-22, 25-09-2022
5. One day National webinar on "Innovation and Entrepreneurship" held on 20th August 2022 organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
6. National Seminar on NEP 2020 – A Road Map for Excellence in Higher Education, 22nd and 23rd March 2022.
7. National Webinar on "Ideas for Data Analysis Using Excel", organized by the department of statistics, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh, 17th February 2022 on 132nd birth occasion of Prof. R.A.Fisher (Father of Statistics).
8. Webinar on "Outcome Based Education for Academic Quality Assurance" Organized by Internal Quality Assurance Cell (IQAC) & Department of Education, SPMVV, Tirupati, 23rd and 24th September 2021.
9. National Faculty Development Programme on "Augmented Reality Technologies in Virtual Scenario" Organized by DST-CURIE-AI Centre, Sri Padmavati Mahila Visvavidyalayam, (Women's University) Tirupati, Andhra Pradesh, India held from 1st to 6th September 2021.
10. University Distinguished Lecture titled "Creating a Vibrant Knowledge Society - An Indian Strategy for 21st Century" delivered by Dr K Kasturirangan, Chairman, National Education Policy (NEP)-2020 and special address by Dr Audimulapu Suresh, Hon'ble Minister for Education, Andhra Pradesh. SRM University-AP, association with India's national newspaper, "The Hindu" held on 24th JULY 2021.
11. National Webinar on "An Overview of Internet of Things in Multidisciplinary Aspects" Organized by DST-CURIE-AI Centre, Sri Padmavati Mahila Visvavidyalayam (Women's University) Tirupati, Andhra Pradesh, India held on 17th July 2021.
12. Web Seminar on "Journal Citation Reports (JCR) 2021 Overview", CISCO, Clarivate, July 13, 2021.
13. One day Webinar on AICTE- Envisioning the reforms in Higher Education in the context of National Education Policy 2020, 8th July 2021.
14. Two-day User Awareness Workshop on Research Planning using Scopus and Science Direct, Sri Padmavati Mahila Visvavidyalayam, Elsevier, 25th & 28th June 2021.
15. Course on "AI Master Class using Python", Pantech Prolabs India Pvt. Ltd., Pantech Solutions,

16th Feb 2021 – 17th March 2021.

16. National Level Online Faculty Development Programme (FDP) on SPSS & Origin Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam(Women's University) Tirupati, Andhra Pradesh, India held from 29th to 31st August, 2020

17. National Webinar on "NAAC Assessment and Accreditation Process and Awareness about the NEP 2020, organized by IQAC, Sri Padmavati Mahila Visvavidyalayam, Tirupati in Association with NAAC, Bengaluru on August 26th, 2020.

18. Faculty Development Programme (FDP) on "Digital Learning and Assessment using Microsoft Teams" organized by Command Control Center, Sri Padmavati Mahila Visvavidyalayam, Tirupati from 06 - 08, August 2020.

19. AICTE Training And Learning (ATAL) Academy Online FDP on "Block chain" from 2020-9-14 to 2020-9-18 at National Institute of Technology Raipur.

20. FDP on "AI and Deep Learning", organized by APSSDC, 1st July 2020 to 28th July 2020

21. Online FDP on "MATLAB and Simulink in Engineering Education", organized by APSSDC, 10-06-2020 to 11-06-2020

22. APSSDC online FDP on "Python Programming", 29-06-2020 to 13-07-2020, organized by Sree Vidyanikethan Engineering College, Tirupati.

23. DST – CURIE – AI sponsored one week hands on workshop on "Python and Data Science", 2nd – 7th March 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati.

24. DST – CURIE – AI sponsored one week hands on workshop on "Artificial Intelligence in Genomics", 22nd – 27th February 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati.

25. One day workshop on "C and C++", organized by Teaching Learning Centre (ICT), IIT Bombay at School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, 29th February 2020

26. AICTE sponsored Two days National Seminar on "Emerging Trends and Research Challenges in Software Defined Networks", December 15-16, 2017, Sree Vidyanikethan Engineering College.

27. One Week FDP on "Teaching Learning and Research", organized by department of Information Technology, Sree Vidyanikethan Engineering College, during 20 – 24 June 2017

28. Workshop/FDP on "A Half-a-day Workshop on SMART board – Note Book Software", organised by the Academic Staff College of VIT University, Vellore, on/during 10-JAN-2017.

29. "A one day Workshop on Project Based Learning" facilitated by "Ms. Jayshree Ganesan, Founder & CEO iBeam Academy" organised by the Academic Staff College of VIT University, Vellore, on/during 18-NOV-2016.

30. "A one-day Workshop on Hot questions in Science, Engineering & Technology (SET)" facilitated by "Dr. Anand Manoharan, Director, Dr. Sarah Chandy, Pushpagiri Institute of Medical Sciences, Kerala" organised by the Academic Staff College of VIT University, Vellore, on/during 05-NOV-2016

31. Faculty Development Program titled "Digital Assessment Tools" Academic Staff College, VIT University, Vellore, 27 January 2016

32. Faculty Development Program titled "Big Blue Button" Academic Staff College, VIT University, Vellore, 22 January 2016

33. Faculty Development Program titled "Statistical Hypothesis Testing & Design of Experiments using R Language" Academic Staff College, VIT University, Vellore, 10 – 11 December 2015

34. Faculty Development Program titled "A kick start for development of high performance applications using C" Academic Staff College, VIT University, Vellore, 9th December 2015.

35. Faculty Development Program titled "Wireless Network using NETSIM" Academic Staff College, VIT University, Vellore, 27 – 28 November 2015.
36. Two-day workshop on Internet of Things, SCOPE, VIT University, Vellore, 29th – 30th October 2015
37. Faculty Development program titled "Effective Technical Presentations", Academic Staff College, VIT University, Vellore, 15th September 2015.
38. Faculty Development Program titled "Getting started with Intel Arduino grove starter kit" Academic Staff College, VIT University, Vellore, 14 August 2015.
39. Faculty Development Program titled "Tender Loving Care" Academic Staff College, VIT University, Vellore, 14 July 2015.
40. 10-day workshop on "Cyber Security", VIT University, 10-20 July 2014
41. Refresher programme on "Effective Proctoring", 4th April 2013
42. Faculty development Programme on Network Programming and Simulation Tools (NPST), 25th – 27th June 2012
43. National Workshop on "AI and Web: Opportunities and Challenges" SCOPE, VIT University, 2nd – 4th March 2012
44. Seminar on "Software Project Management" 21st January 2012
45. Workshop on NS-2 during the 4th International Conference on Recent Trends in Computing, Communication and Information Technologies, VIT University, 9th – 11th December 2011
46. Faculty Development Programme on "Digital Design using FPGA", VIT University, 25th and 26th August 2011.
47. Three-day workshop on QualNet-The Network Simulator, VIT University, 2nd May 2011 – 4th May 2011.
48. One-day Training Programme on Interpersonal Communication Skills, VIT University, 19th February 2011.
49. One-day Training Programme on Transformational Leadership, VIT University, 25th September 2010
50. Faculty development programme 2nd phase of "Wipro Mission 10x", preparation of session plans, VIT University, 12th and 13th October 2009
51. 5-day Workshop in Mission 10X, VIT University, 20th July – 24th July 2009
52. Faculty development programme on "Mobile Networking, Computing and Applications", VIT University, 25th June – 11th July 2009.
53. Faculty Development Programme on Self-Empowerment and Critical Thinking Skills, VIT University, 19-21 May 2009.
54. One-day workshop on Managing Spatial Data and Database Security Controls with Oracle Database, VIT University, 14th March 2009
55. One-day seminar on "Multimedia Computing and its Application", VIT University, 24th January 2009
56. Faculty Induction Training Programme on Time Management and Classroom Management, VIT University, 28th November 2008
57. Four-day workshop on Soft Skills Workshop, VIT University, 26th April – 29th April 2009
58. Pre-conference Workshop and tutorials, 3rd International Conference on "Mobile, Ubiquitous and Pervasive Computing", VIT university, 16-17 December 2006
59. Programme on Effective Guidance and Supervision of Students Projects, VIT University, 18th February 2006
60. AICTE-ISTE Sponsored short term training program on "Fuzzy Logic and its Applications in Engineering", VIT University, 5th – 16th July 2004
61. Two-days educational workshop, VIT University, 28th – 29th November 2003

62. Faculty Empowerment Workshop, Vellore Institute of Technology, 20th – 22nd December 2001

Seminar/ Workshop/Conferences and Faculty Development Programme organized:

1. IdeaSpark – A two-day online event on Innovation, Start-Ups, and Poster Presentation of Innovative Ideas, Department of Computer Science and Engineering, School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, 26th and 27th July 2024.
2. A one-day workshop on "Problem Solving and Ideation", Department of Computer Science and Engineering, School of Engineering and Technology, and Institution's Innovation Council (IIC), Sri Padmavati Mahila Visvavidyalayam, Tirupati, 27th November 2024.
3. Celestra – A National Level Techfest on 5th and 6th March 2024, Department of Computer Science and Engineering, School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati.
4. Virinchi – A National Level Cultural Fiesta on 11th and 12th April 2023, School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati.
5. Celestra – A National Level Techfest on 28th and 29th March 2023, Department of Computer Science and Engineering, School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati.
6. 4th International Conference on "Computing, Communications and Data Engineering", CCODE 2023, 17-18 March 2023, Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati.
7. Invited Talk on "Artificial Intelligence and Its Applications", 23rd September 2022, in SOET, SPMVV.
8. A member in technical committee in National Seminar on NEP 2020 – A Road Map for Excellence in Higher Education, 22nd and 23rd March 2022.
9. A Webinar on "A Kickstarter to Digital Forensics", 16th October 2021.
10. Two Days Online Workshop on "SNEAK PEEK INTO SOFTWARE ENGINEERING" 9th October & 10th Oct ober- 2021
11. A Webinar on "What is Software Engineering Anyways?", 8th October 2021.
12. Two-Day Hands-on Workshop on "Latex" Online 30th September & 1st October, 2021
13. An International Webinar on "An Insider View of a Start-up Life", in collaboration with IIC SPMVV, 14th December 2020
14. A Webinar on "IPR-Impact on Innovation", in collaboration with IIC SPMVV, 15th December 2020.
15. 3rd International Conference on "Computing, Communications and Data Engineering", CCODE 2020, 6-7 November 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati.
16. A Virtual National Conference on "Artificial Intelligence – Current Trends and Applications (AICTA 2020), sponsored by DST – CURIE – AI, 27th and 28th March 2020, Sri Padmavati Mahila Visvavidyalayam, Tirupati.
17. One day seminar on "Predictive Analysis", 05-02-2018, Resource Person-Dr. M. Venkatesan, NITK Surathkal.
18. Three-Day Workshop on "Google Android Developer Fundamentals" in collaboration with APSDC, Department of Computer Science and Engineering, Sree Vidyanikethan Engineering College, 12 – 14 October 2017.
19. One-day Workshop with Hands-on session on "Data Analytics using R-Programming", Department of Software Systems, SCOPE, VIT University, 11th March 2017
20. Seminar on "How to Write a Research Article?", SCOPE, VIT University, Vellore, 8th November 2016

21. Guest Lecture on "Recent Trends in Computer Architectures", VIT University, Vellore, 3rd November 2016
22. Value Added Program on "Android Application Development", SCOPE, VIT University, Vellore, 22nd and 23rd October 2016.
23. Guest Lecture on "Multiprocessor Architectures and OpenMP by Avinash Karani, Application Engineer, Intel, Bangalore", VIT University, Vellore, 27th July 2016
24. CAL Seminar Series on VLSI, SCOPE, VIT University, Vellore, 5th | 12th | 19th March 2016
25. Committee member in International Conference on Computing, Cybernetics and Intelligent Information System (CCIIS' 2013), SCSE, VIT University, November 21-23, 2013.
26. Faculty Coordinator in conduct of Preconference workshops as part of International Conference on Computing, Cybernetics and Intelligent Information System (CCIIS' 2013), SCSE, VIT University, November 7-9, 2013.
27. One-day workshop on "Design Thinking", 13th April 2013
28. Faculty Coordinator in the 5th International Conference on "Science, Engineering and Technology", November 8 – 9, 2012
29. National Workshop on "Artificial Intelligence and Web", SCSE, VIT University, March 2-4, 2012.
30. Two-day Workshop on "High Performance Computing", SCSE, VIT University, 9th-10th April 2011
31. One-day Workshop on "Wireless Device Programming", Network Division, SCSE @ VIT, 27th March, 2010
32. Workshop on "Network Simulation", SCS @ VIT, 4th April, 2009
33. Faculty Coordinator in National Level Technical Symposium, Phreak 08, VIT University, 21st – 22nd October 2008
34. Member of Technical Committee in Phreak 07, VIT University, 16th – 17th October 2007

Administrative Experience
- Editor for GAMANAM, Global Advances in Multidisciplinary Applications in Next-Gen and Modern Technologies – A Multidisciplinary Research Journal, 15th November 2024
- Member in Soft Component Activities i.e., Activity-1: Implementation of NCRF and CBCS and implementation of elective Course system, Activity-2: Adoption of Academic Bank of Credits, Activity-19: Introduction and access to Online ERP Portal (Samarth Portal) for Faculties containing all academic working processes (Online information dashboard, timetable, examination allotment schedule, evaluation) and Activity-28: Online portal for student services (attendance, academic record, hostel related services, complaint registration) under Pradhan Mantri Uchchatar Shiksha Abhiyan (PM-USHA) – MERU, 8th October 2024.
- Member in Soft Component Activities i.e., Activity-27: Bridge courses for SEDG Students, Activity-30: Opening of STEM Courses, Activity-31: Encouragement of increasing girls participation in STEM courses, Activity-32: Vocational Courses for 21st Century skills, internships/Training, Introduction of new courses regarding Vocational Education, Activity-36: Focus on skilling and action Training/Workshops/Placement for Females, Transgenders and Activity-37: Facilitation of women's access to vocational technical, professional education and emergent technologies, curriculum and pedagogical reforms, Opening of STEM courses and encouragement of increasing of girls participation in such courses under Pradhan Mantri Uchchatar Shiksha Abhiyan (PM-USHA) – MERU, 8th October 2024.
- Member in Times Ranking committee, SDG 1, 2, 4, 5, 27th October 2023.
- Member in Core committee in Ranking, 27-07-2023.

- Member in Grievances Redressal Cell Committee for School of Engineering andTechnology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, 17-04-2023.
- Nodal Officer for Implementation of Microsoft Upskilling Programme, 21-11-2022
- Member in Internal NAAC Peer team to assess NAAC parameters across 2 schools (Schoolof Sciences & School of Engineering and Technology) of SPMVV, 04-10-2022.
- Member in skill development center committee, 17-08-2022
- Member in a committee to scrutiny the Academic Consultants applications – 07-07-2022
- Coordinator for implementing Microsoft Upskilling programme since 28-05-2022
- Member in committee to prepare "Student Hand Book", since 24-05-2022
- Member in Results Committee of SOET, SPMVV since 05-03-2022.
- Programme Coordinator under National Educational Alliance for Technology – 14-12-2021
- Member of the committee to formulate Program Educational Objectives (PEOs) and Program Outcomes (POs) – 25-10-2021
- Member secretary in MERU-NEP 2020 Action Plan Committee since 12-08-2021.
- Member in Innovation and Start-up System in the Institution-Council of Committee forSPMVV since 29-12-2021
- Academics and Examinations (I/C) in SOET, SPMVV, 26-02-2021
- Member in Department Research Council (DRC) in the Department of Computer Scienceand Engineering
- Member in E-Convocation Committee in Sri Padmavati Mahila Visvavidyalayam, Tirupati.
- Head of the department of computer science and engineering, School of engineering and technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati since 01-08-2018
- Member in Innovation Institution Constitution, SPMVV since 27th September 2019.
- Member in DST-Curie-AI Labs, SPMVV – 30-12-2020.
- BTH Coordinator as a Member in International Desk of International Relations office at Sri Padmavati Mahila Visvavidyalayam, Tirupati since 25-10-2018
- Disposal of E-Waste, SOET, SPMVV – 21-01-2019
- R&D Coordinator in Sree Vidyanikethan Engineering College during 01-08-2017 to 29th June 2018
- Soft Computing Research Lab coordinator in Sree Vidyanikethan Engineering College since March 2018 to 29th June 2018
- Course coordinator for Mobile Computing in Sree Vidyanikethan Engineering College during July'2017 to Dec'2017
- Course coordinator for Design and Analysis of Algorithms in Sree Vidyanikethan Engineering College during Dec'2017 to May'2018
- Ranking and Accreditation Committee member in VIT University during 01-09-2016 to 31-05-2017
- Course Moderator for Digital Logic and Design in VIT University during 20-1-2016 to 06-05-2016
- Nodal Person for CAL Courses – Digital Logic in VIT University during 20-1-2016 to 06-05-2016
- Course Coordinator for Computer Architecture and Organization in VIT University during 26-07-2016 to 04-11-2016
- Member in BoS of Sri Venkateswara College of Engineering and Technology, Chittoor during 05-11-2015 to 11-05-2015

HONORS & AWARDS

- *Received "Best Teacher Award" from Ideal Teaching Awards Programme (ITAP), 02-10-2022*
- *Received "Best Teacher Award" from Sri Padmavati Mahila Visvavidyalayam, 07-09-2021.*
- *Recipient of 2009,2010,2011, 2012, 2013, 2014, 2015 and 2016 VITs Researcher Award*
- *IBM Certified Database Associate DB2 Universal Database V8.1 Family*
- *Achieved Mission 10XLA certificate for developing Resource Guides for Von-Neumann Architecture, Subroutine, Booth Multiplication Algorithm.*
- *Achieved Mission10X Learning Approach Practitioners Certificate, October 2009*
- *IBM Certification in Object Oriented Analysis and design using UML with fundamentals of Rational Rose,* VIT University, 14th – 15th May 2008
- *Best Paper Award for* "Application of Deep Learning to Sentiment Analysis for Recommender System on Cloud" IEEE International Conference on Computer, Information and Telecommunication Systems, Dalian, China, July 21-23, 2017, pp. 93 – 97
- 2018 IEEE Systems Journal Best Paper Award for Learning Automata-Based Fault-Tolerant System for Dynamic Autonomous Unmanned Vehicular Networks
- Best Paper Award for "Enhancing the Security and Privacy inPalm Vein Biometric System", in International Conference on Innovations in Advanced Artificial Intelligence and Augmented Reality, organized by DST-CURIE-AI centre, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India, 11th and 12th March 2024.

Any other Details:

- Completed Online EdX Course on "ChatGPT102: Prompt Engineering and Advanced ChatGPT", April 25, 2024
- Completed Online Course offered by IBM on CD0115EN DevOps Basics for Everyone, April 27 2024.
- Co-convenor in Registration Committee during Padma Tarang, 36th Inter University South Zone Youth Festival, 03 – 07 January 2023.
- Established "3D Experience and AI Lab" in School of Engineering and Technology, SPMVV, 2019.
- Completed online course on "Design Thinking", 22nd February 2019 – 28th June 2019.
- Completed online course on "Outcome Based Education", 27th September 2018 – 6th December 2018.
- Taken online classes using ZooM, conducted quiz using thatquiz.org, conducted M.Tech Viva-voce using google meet during lockdown period, April 2020 – May 2020.
- Usage of Canvas for conducting quiz, giving materials and assignments to students.
- Evaluated Ph.D Thesis titled "Segmentation and Classification in Natural and Medical images", T. K. Ganga, Dravidian University, June 2019.
- Evaluated Ph.D Thesis titled "Usage of Knowledge Engineering and Knowledge Based Systems in Aeronautical Engineering and Aeronautical Science", G. Sivaraman, Dravidian University – Evaluated in February 2018
- *Reviewer for IEEE journal on Mobile Computing*
- *Reviewer for IET journal on Communications*
- *Reviewer for Wiley InterScience on Journal on Communication Systems*
- *Reviewer for Common Ground Journal on Knowledge Management*
- Video Lectures for Digital Logic and Computer Architecture and Organization are uploaded in

youtube
- Conducted two virtual classes in Computer Architecture and Organization subject in 2016 using WizIQ
- Usage of Schoology for conducting online Quiz and assignments to Students.
- http://sites.google.com/site/psarithakrishna
- BoS member in VIT University, Vellore, during 2010-12
- Course Coordinator, Course Moderator, CAT – Coordinator, Project Coordinator, Committee Member in VITAA, Convocations, Conferences etc in VIT University, Vellore
- Research and Development Coordinator in Sree Vidyanikethan Engineering College, Tirupati.
- As an External Lab Examiner, question paper setter for various subjects in different universities

Subjects Taught

- Discrete Mathematics
- Mathematical Foundations in Computer Science
- Internet of Things
- Data Mining
- C Programming
- Python
- Database Systems
- OOPS
- Data Structures
- Compiler design
- Digital Logic
- Computer Architecture and Organization
- Mobile Adhoc Networks
- Computer Networks
- Design and Analysis of Algorithms
- Mobile Computing
- Artificial Intelligence
- Advanced Computer Architecture
- Data Warehousing and Data Mining
- Cloud Computing
- Database Design
- Adhoc Wireless Networks
- Advanced Computer Networks
- Pervasive Computing
- Mobile and Cloud Computing
- Networking in Cloud Virtual Environments
- Security principles and practices in cloud computing
- Networking in cloud virtual environments

Personal Details

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References:

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Humboldt Fellow (*Germany*)
Professor
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Kharagpur-721302, WB, India
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Mohammad S. Obaidat,
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Signature

Date: 28-11-2024