

CURRICULUM VITAE



Name : **Dr. S. Siva Ranjani**

Qualification : **M.E., Ph.D**

Experience : **14 Years**

Current Position : Dean and Professor,
Department of Computer Science and Engineering,
Sethu Institute of Technology,
Pullur, Kariapatti, VirudhuNagar District,
Tamil Nadu, India.

Research Details :

List of Publications:

Journals:

1. D.Roja Ramani,S.Siva Ranjani,"An Efficient Melanoma Diagnosis Approach Using Integrated HMF Multi Atlas Map Based Segmenatation",Journal of Medical Systems, June 2019 ISSN 0148-5598,Volume 43,Number 7
2. D.Roja Ramani, **S.Siva Ranjani**, "U-NET based Segmentation and Multiple Feature Extraction of Dermoscopic Images for Diagnosis of Melanoma" , Lecture Notes in Computational Vision and Biomechanics, Springer, ISBN 978-3-030-04060-4 ISBN 978-3-030-04061-1,Feb 2019.(**Scopus Indexed**)
3. N.Mathavan, **S.Siva Ranjani**, "RFID BASED TRACKING SYSTEM FOR INDICISIVENESS AREA (MINING SECURITY)", International Journal of New Technologies in Science and Engineering (IJNTSE), December 2018,Volume 5, Issue 10
4. K.Krishnaveni, **S.Siva Ranjani**, "A Comparative study about improving accuracy in Big Data", Journal of Data mining and knowledge Engineering, 2018.
5. D.Roja Ramani, A.Sivakumar, **S.Siva Ranjani**, G.Rajalakshmi, , "A Succinct and Analysis of Smart Manufacturing: IOT is Driving the Next Industrial Revolution", Journal of Emerging Technologies and Innovative Research(JETIR), December 2018,Volume 5, Issue 12,ISSN-2349-5162
6. G. Rajalakshmi, **S.Siva Ranjani**, "An Emerging statistical analysis for solving big data problems using R tool", International Journal of Research and Analytical Reviews, Vol5, Issue 4, 2018.

7. **S. Siva Ranjani**, M.M. Yamuna Devi „Design and Implementation of Secure Data Aggregation in Wireless Sensor Networks” International Journal of Latest Trends in Engineering and Technology, 2016, Vol. 7, pp. 343–353.
8. **S. Siva Ranjani**, S. Radha Krishnan, C. Thangaraj, and K. Vimala Devi. "Achieving Energy Conservation by Cluster Based Data Aggregation in Wireless Sensor Networks." Wireless Personal Communications (2013): 1-21. Springer Publications, **(Listed in Anna University Annexure – I Journals, Impact Factor: 0.9)**
9. **S. Siva Ranjani**, C. Thangaraj, S. Radhakrishnan, “A survey on Data aggregation in Wireless Sensor Networks”, International Journal of Wireless Networks and Communications, Volum2 1, Number 2, 2009, pp 167-282.

Conferences :

1. D.Roja Ramani, **S.Siva Ranjani** Presented a paper entitled “U-NET based Segmentation and Multiple Feature Extraction of Dermoscopic Images for Diagnosis of Melanoma” in the International Conference on Clinical and Medical Image Analysis on 27 & 28 July 2018 at Karunya Institute of Technology & Sciences, Coimbatore
2. M.M.Yamunadevi, **S.Siva Ranjani** ,”Data Analysis of Lung Cancer using K-means Clustering in Image Processing” International conference on Applied Mathematics and Theoretical Computer Science, 01-03, Feb 2018
3. G.Rajalakshmi, **S.Siva Ranjani**,”An Emerging Statistical analysis for solving big data problems using R Tool” International conference on Applied Mathematics and Theoretical Computer Science, 01-03, Feb 2018
4. **S. Siva Ranjani**, ”Security and Log Management in Cloud Computing”, National Conference on Innovative Technologies in Computer and Communication (ITC-2018), Velammal College of Engineering and Technology, Madurai, April 2018.
5. K.Krishnaveni, **S.Siva Ranjani**,” A Comparative Study about Improving Accuracy in Big Data“,International Conference on Computational Intelligence, April 2018
6. P.PabithaMuthu, **S. Siva Ranjani**,” Survey on Land Use Classification of Remote Sensing Satellite Imaginaries” International Conference on Computational Intelligence, April 2018
7. **S. Siva Ranjani** ,J.Rajalakshmi,” Unique evolution in Internet of things”, International Conference on Computational Intelligence, April 2018
8. **S.Siva Ranjani**, M.M.YamunaDevi, ”Design and Implementation of Secure Data Aggregation in wireless sensor Networks”, International Journal of Latest Trends in Engineering and Technology, Vol(7) Issue 3 ISSN:2278621
9. **S. Siva Ranjani**, S. R. Krishnan, and C. Thangaraj. "Energy-efficient Cluster Based Data Aggregation for Wireless Sensor Networks." In Recent Advances in Computing and Software Systems (RACSS), 2012 International Conference on, pp. 174-179. **IEEE**, 2012. **(Scopus Indexed)**

10. **S. Sivaranjani.**, S. Radhakrishnan, and C. Thangaraj, *Secure Cluster based Data Aggregation in Wireless Sensor Networks*, Proceedings of the International Conference on Science, Engineering and Management Research (ICSEMR) (2014) 1-6. **Available in IEEE Explorer.**
11. **S. Siva Ranjani** and Dr. C. Thangaraj, "Link Quality Estimation Based Reliable Routing Protocol (LQER) For Wireless Sensor Networks", Third National Level Conference on "Emerging Trends in Computer Communication and Networks", Feb 2007.
12. S. Edwin Raja and Mrs. **Siva Ranjani** "Distributed Data Aggregation by Using Kalman Filter in Wireless Sensor Networks", International Conference on Recent Advances in e-Communication and i-Technology (REACT-10), Anand Institute of Higher Technology, Chennai, April 29 & 30, 2010.
13. C. Rajesh babu and **S. Siva Ranjani**, "Delay Aware Data Aggregation in Wireless Sensor Networks" Proceedings of FNCDC '11, Fourth National Conference on Digital Convergence, March 20, 2011
14. J. Ilakkiya and **S. Siva Ranjani**, " An adaptive kalman based data filtering technique for wireless sensor networks " Proceedings of Emerging trends in engineering and technology – ETET“ 11, April 20, 2011
15. G. Josephine Kirubha and **S. Siva Ranjani**, "Minimum Delay Data Aggregation in Wireless Sensor Network Using Collision Free Path Coloring", Proceedings of Fifth National Conference on RTICT-2012, 2-3 April 2012.
16. M.Salomi and **S. Siva Ranjani**, "ACHIEVING ENERGY EFFICIENCY USING MOBILE DATA COLLECTORS WITH RELIABILITY CONSTRAINTS IN WIRELESS SENSOR NETWORKS", Proceedings of Fifth National Conference on RTICT-2012, 2-3 April 2012.
17. C. Hannah Jasmine and **S. Siva Ranjani**, "PACKET DATA REDUNDANCY ELIMINATION IN DATA AGGREGATION" Proceedings of International Conference on Innovative Trends in Computing and Technology, ICITCT“13, March 22, 2013

Books/Book Chapter:

1. **S. Siva Ranjani**, S. Radhakrishnan, and C. Thangaraj. "Adaptive Delay and Energy Aware Data Aggregation Technique in Wireless Sensor Networks." In *Mobile Communication and Power Engineering*, pp. 41-49. **Springer** Berlin Heidelberg, 2013. (**Scopus Indexed**)

Reviewer:

- Reviewer for "International Journal of Communication Systems", John Wiley Interscience Publications
- Editorial board member of International Journal of Advanced Research in Management, Engineering and Technology (IJARMET)
- Reviewer of IEEE Communication Letters

Research Guidance:

1. Guiding 10 PhD students
2. One Ph.D scholar completed her Ph.D degree under my guidance
3. Guided 18 M.E projects
4. Guided 25 B.E projects

Other Distinction/Recognition/Awards:

- Recognized research supervisor in Faculty of Information and Communication Engineering, Center for research, Anna University, Tamil Nadu, India
- Received AICTE Lilawathi Award for the Women Empowerment
- Judge for paper presentation, “Symposium-TechCore“16” at Nadar Sarawathi College of Engineering & Technology on 02/09/2016
- “Competent Communicator” Award for exceptional achievements in the Toastmasters International Communication Program, August 24, 2017
- Remote Centre Coordinator of IIT, Bombay
- Jury-ICTACT Youth Talk
- Chief Guest for the &th year celebration of Litz Tech India Private Limited on 23.07.2017
- Chair Person – CSE National Level Conference ”NSCET 2k17” at Nadar Sarawathi College of Engineering & Technology on 22.03.2017
- Chief Guest for a state level Tech meet on 09.02.2018 at AnnaiFathima College of Arts & Science
- Received the “Best Professor in Information Technology” in the 11th Innovative Education Leadership Awards function at Mumbai on 16.02.2019
- Jury for „Anmol Shristi” – A Mega Science Fiesta At Vellamal Bodhi Campus.
- Chairperson for a session in NACC Sponsored One day national conference on “Importance and implementation of Academic, Administrative, Green and Gender Audit in HEIs” at Shivaji Mahavidyalaya, Udgir, Maharashtra on 30.01.2020.
- Invited speaker for a seminar on IoT at American College on 26.02.2020.

Membership in Associations and Professional bodies:

- Life Member of ISTE
- Member of CSI

Details of Programs Organized & Training courses conducted:

1. Involved in organizing the National level technical symposium Digital Dreams – 2008,2010,2011 and 2012 at Department of CSE, Kalasalingam University
2. Involved in organizing the National conference on Advances in computing (NCAC ‘09) at TIFAC-CORE, Kalasalingam University, Krishnankoil
3. Organized the sessions in the „Seminar On recent trends in distributed computing“ conducted by Department of CSE, Kalasalingam University
4. Organized the sessions in the „2 day workshop on network simulation“ conducted by Department of CSE, Kalasalingam University
5. Conducted a training Program on “Visual Programming” at Kalasalingam University
6. Conducted a Faculty Development Program on “Wireless sensor Networks” at Kalasalingam University.
7. Conducting CCNA course - Theory and practical sessions from 2007 to till date.
8. Involved in organizing the 2 day training program on Hadoop tool, Orange tool kit, and BigData analysis with IBM online exam at Department of CSE, PSYEC, Sivagangai.
9. Organized and resourced a Faculty Development Program in the title “Logics of Programming at PSYEC, Sivagangai on 07.12.15.
10. Organize as a Remote centre coordinator for two week FDP on Foundation Program in ICT for Education on 24.03.2018 and 25.03.2018 conducted by IIT, Bombay.
11. Successfully organized spoken tutorial workshop in collaboration with IIT Bombay.
12. Organize as a Remote centre coordinator for two week FDP on Pedagogy for Online and Blended Teaching-Learning Process on 12,13,26 and 27 May, 2018 conducted by IIT, Bombay.
13. Organized an 3rd International Conference on Computational Intelligence on 05.04.2018 & 06.04.2018 at Sethu Institute of Technology, Virudhunagar.
14. Organized an International Certification on Data Science and Big Data Analytics by Dell EMC2 from 01.10.2018 to 05.10.2018 at Sethu Institute of Technology, Virudhunagar.
15. Organized a Workshop on Blockchain Architecture Design and Usecase on 08.03.2018 & 09.03.2018 by CSI Chapter, Sethu Institute of Technology, Virudhunagar.
16. Organized a Technical Symposium on Techtonics‘18 on 08.03.2018 & 09.03.2018 by CSI Chapter, Sethu Institute of Technology, Virudhunagar.
17. Organized “Trailhead Students Championship – 2018” The Largest Learnathon of India on 02.02.2018 & 03.02.2018 by Salesforce.
18. Organized “Salesforce Fundamentals for Business Administration Specialists” 08.01.2018 to 12.01.2018 by Salesforce & ICTACT.

Other Responsibilities taken:

1. Coordinator for B.Tech/B.E and M.Tech/M.E classes at KLU.
2. Project coordinator for B.Tech projects at KLU & SIT.
3. Course coordinator for B.Tech and M.Tech courses at KLU.
4. Chair person for the class committee meeting of B.Tech/B.E classes at KLU.
5. Academic Head for the II year B.Tech class at SIT.
6. Program Director for cells related to Office Administration, Staff Recruitment, Students grievances, Implant training and Budget at Kalasalingam University.
7. Developed Software for implant training form entry and report generation at KLU.
8. Involved in visiting the schools at Madurai district regarding admission at KLU & SIT.
9. Admission officer at Madurai district nodal admission center at KLU.
10. Lab in charge for the Wireless Networks lab – TIFAC-CORE at KLU.
11. Accompanied with the students for Industrial Visit at KLU & SIT.
12. Reviewer of the First International Conference on Instrumentation, Communication, Control and Automation-*ICICCA-2013* Organized By Department of Instrumentation and Control Engineering, Kalasalingam University.
13. Member of the Compering committee in various events at department and college level functions like Symposiums, Convocation, Freshmen Induction Programs, etc at KLU.
14. Involved in obtaining ISO certification, NBA and NAAC accreditation and UGC visit at Kalasalingam University.
15. Editorial Board member of the INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING AND TECHNOLOGY (ICETET'15) at PSYEC, Sivagangai.
16. Developed Software for Library Management system at PSYEC, Sivagangai.
17. Developed Software for Blood Donation Club at PSYEC, Sivagangai.
18. Admission Coordinator for the Department of CSE at PSYEC, Sivagangai.
19. Module coordinator for B.Tech courses at SIT.
20. One of the department R&D group head.
21. NBA coordinator at SIT.
22. Coordinator of Industry Institute Interaction cell at SIT.
23. Co-Coordinator of Curriculum design process and evaluation cell at SIT.
24. Chief coordinator of IIT-Bombay Spoken tutorial resource center at SIT.
25. Internal ISO auditor and Squad member of internal examinations at SIT.
26. Convener for NIRF online entry
27. Chairperson of Board of Studies & Department Advisory board for the Department of Information Technology at SIT.
28. Dean – Institutional Growth and Appraisal at SIT.
29. Chairman for Information Technology Evaluation Board
30. Coordinator of NAAC Criteria 7