



Sri Venkateshvara College of Engineering

Vidyanagar, Bengaluru - 562157

INFORMATION SCIENCE AND ENGINEERING

Faculty Profile

Name: Mrs. Shoba. M

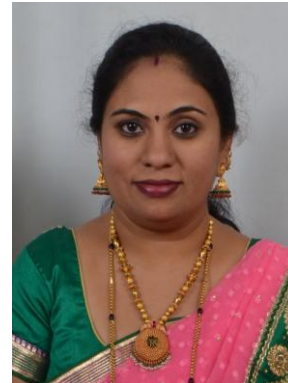
Qualification: B.E, M.E, (Ph.D)

Designation: Assistant Professor

Experience: 10 years

Area of specialization:

- Wireless Sensor Networks
- Data Mining



List of Publications

International Conferences

1. Shoba. M and Dr. Suresha, "S-AODV: Ana adaptive method for improving AODV protocol for WSN", IEEE Digital Xplore Library, DOI: [10.1109/ICGCIoT.2015.7380612](https://doi.org/10.1109/ICGCIoT.2015.7380612), Oct 2015.
2. Shoba. M and Manjunath. G. D, "Model Evaluation and Optimization to find the best learner for Predicting the Effort of COCOMO Software Cost Model Using Machine Learning Algorithms," IOAJ Journal Isbn-978-93-82208-00-6, August 5, 2012.

National Conference

3. Rohini, Puneeth and Shoba. M, "Openstack to avoid vendor lock in Cloud Computing", IJRISE Journal. P-ISSN 2394-8280, E-ISSN 2394-8299, May 8th, 2015.
4. Sowmya. R and Shoba. M, "Detection and Prevention of Misdirection attack by Third Party monitoring in WSN", IJRISE Journal. P-ISSN 2394-8280, E-ISSN 2394-8299, May 8th, 2015.
5. Chaithra and Shoba. M, "PAVAR: Power aware Vampire Attack reduction in Wireless Adhoc Sensor Networks", IJRISE Journal. P-ISSN 2394-8280, E-ISSN 2394-8299, May 8th, 2015.
6. Meghana and Shoba. M, "A Survey on the various Cross-Layer Design Architectures in MANETs", IJRISE Journal. P-ISSN 2394-8280, E-ISSN 2394-8299, May 8th, 2015.
7. Shoba. M and Deepa, " Software Testing Techniques for Test Case Generation", NCRASET Proceedings, May 23rd 2014.
8. Shoba. M and Vinay. T. R, "An Ameliorated Methodology for the control and Data

- flow of a Legacy Program for Multi-Core Architecture”, IJERT Journal, Feb 20 – 21, 2014.
9. Shoba. M and Vinay. T. R, “ Analysis of Control flow graph and its usage in Program Slicing”, “ National conference on Software Testing Proceedings, Oct 25 – 26, 2013.
 10. Shoba. M and Mamatha. R, “Scalability for DTN Using Hierarchical Routing in Cyclic Mobile Networks,” Australian Journal www.ausjournal.com ISSN-2200-1883, Jan 28-29, 2013.
 11. Shoba. M and Asha, “Performance Analysis of Defect prediction model for S/w Dataset using DM classification techniques,” “National Conference on frontiers of Computer Science & technology Proceedings”, Feb 14-15, 2012.
 12. Shoba. M, “Knowledge Extraction for s/w Dataset using DM”, “National Conference on Soft Computing Proceedings” , Feb 24- 25, 2012.
 13. Shoba. M, “Classification Efficiency for the prediction of heart diseases using ANN,” “Advances in Information Technology Proceedings,” April 2, 2012.
 14. Shoba. M, “Meta Learning in the field of Medicine”, “NCRTCSE Proceedings”, April 10-12, 2012

FDP/QIP/Workshops Attended

1. Faculty development Program on “Application of Number Theory in Cryptography”, in Sir. M. V. I. T, Bengaluru, August 6, 2011
2. “One day National Level workshop on Cloud Computing and its Applications”, HKBKCE, Bengaluru, Oct 22, 2011
3. “Three day National Level Workshop on S/W Testing and Test Automation tools using QTP 9.5”, MSRIT, Bengaluru, Feb 9-11 2012
4. “TEQIP-II Sponsored Workshop on Current Research Avenues in Areas of Computer Science,” PESIT, Bengaluru, March 15-16, 2013
5. “Three day National level Workshop on Software Testing and Quality Assurance,” AchIT, Bengaluru, Jan 22-24, 2013.
6. “Half day Workshop on Massively Empowered Classrooms (A research project from Microsoft Research), “ Microsoft Research Lab, Bengaluru, Jan 18, 2013
7. “I-Tech 2013, A National Workshop on 4G Internet and Associated Technologies”, in association with CSI, M. V. J College of Engineering, Bengaluru, Aug 14, 2013.
8. “One-day Interactive Practical Oriented Workshop on Latex”, SVCE, Bengaluru, Oct 10, 2013.
9. “Three day Workshop on Wireless Network Simulation and Routing Protocol Development using NS2,” M. S. Ramaiah School of Advanced Studies, Bengaluru, March 6 – 8, 2014.
10. “One-day Interactive workshop o Latex and Parallel Programming”, SVCE, Bengaluru, Nov 11th , 2014.
11. 5-days FDP on “Hands on sessions on Cloud Computing, Big data, Information and Network Security and Storage Area Networks”, SVCE, Bengaluru, Jan 19th -23rd 2015.
12. 3-days FDP on “Development of Simulation Models for Effective Decision Making – A Practical Approach”, MSRIT, Bengaluru, July 14th- 16th 2015.
13. One week workshop on “Design for Everything: Opportunities in IOT” under TEQIP, MSRIT, Bengaluru, Jan 11th – 16th 2016.

14. 2- day Workshop on “Outcome Based Education”, BMSCE, Bengaluru, Feb 15th – 16th, 2016.
15. 3-days Training Program on “Software & Mobile App Testing” by TechMudz IT solutions, Bengaluru, April 14th -16th 2016.
16. 5-days ISTE sponsored FDP on “ NS-3 and its Advanced Usage”, RNSIT, Bengaluru, June 27th – July 1st 2016.

Quality Improvement Programs Organized

1. Submitted project proposal for **VGST TRIP, Karnataka - 2016.**
2. Submitted project proposal for **KSCST, IISc, Bangalore – 2016.**
3. Applied for 10 days Research training course in **ICSSR, New Delhi - 2016.**
4. Active member and working for Research Projects under **VAAK-CART.**
5. Applied for the Research funds under **Google Anita Borg Memorial Scholarship: Asia Pacific 2016.**
6. Session Chair for 4th National Conference on Recent advances in Science, Engineering and Technology, SVCE, Bengaluru, May 6th 2016.
7. Session Chair for 3rd National Conference on Recent advances in Science, Engineering and Technology, SVCE, Bengaluru, May 8th 2015.
8. Technical talk on “Installation of NS2 Simulator”, SVCE, Bengaluru, Apr 15 2014.
9. Resource person for “ FDP on Computer Networking lab using NS-2 Simulator, Java lab and Computer Programming Lab”, SVCE, Benagluru, July 14 – 18 2014.
10. Member of Review Committee for “ 2nd National Conference on Recent Advances in Science, Engineering and Technology (NCRASET-14), May 23rd 2014.

Subjects Handled

- Data Structures with C/C++
- Design & Analysis of Algorithms
- Software Engineering
- Data Mining
- Database Management System
- Software Testing
- Management Information Systems
- Management Entrepreneurship
- Programming with C
- Formal Languages & Automata Theory
- File Structures
- Unix Shell Programming

Mrs. Shoba. M
B.E (IS&E), M.Tech (CS&E), (Ph.D) (CS&E)
Assistant Professor, Department of Information Science & Engineering
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