Dr. Shoba M

BE, M.Tech, PhD [LMISTE, LMTIE, LMInSc, LMIEI, MIEEE]
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Biography

Dr. Shoba M has 15.7 years of experience in teaching and 7 Years of experience in research. She received BE in Information Science and Engineering from JSS Academy of Technical Education and M.Tech in Computer Science and Engineering from R V College of Engineering and completed her doctorate in Reva University, Bengaluru. Her area of interest includes Wireless Sensor Networks, Internet of Things, Data Science and Mobile Application Development.

To her credit prolifically published around 28+ papers in National / International journals and conferences. She has also filed and published 1 patent. She has received grants from VTU-TEQIP and KSCST under various schemes. She is a Life member of ISTE, TIE, InSc, IEI and member of IEEE.

She has acted as evaluator for Smart India Hackathon Virtual Software & Hardware Edition 2020 and Toycathon 2021. Erstwhile she was associated with Sir MVIT, Acharya Institute of Technology Bengaluru. She has received Research Excellence Award 2020 and Student Project of the Year 2020 by Institute of Scholars – A Technical Professional Organization registered under MSME Govt. of India, an ISO 9001:2015 certified institute by International Accurate Certification, Accredited by UASL. Received National Award for Faculty in Higher Education for Karnataka South Region from Global Research Foundation on the Occasion of Teacher Day on September 5th 2020.

Research Interests

- Wireless Sensor Networks
- Internet of Things
- Cross-Layer Protocols for WSNs
- Data Science
- Mobile Application Development

Selected Publications

1. Shoba Chandra; Kiran Kumari Patil; Suresha Talanki (2021). "**Evolutionary cross-layer interactive model for sensor communication**". International Journal of Advanced Intelligence Paradigms (IJAIP), Vol. 19, No. 3/4, 2021, 328 – 341, DOI: 10.1504/IJAIP.2021.116356

2. Samudrala, Suryaprakash. Suresha Talanki. Shoba M et.al (2020). **Prediction of Corrosion Rate Using Big Data Analytics.** Bioscience Biotechnology Research Communications. 13. 229-234. 10.21786/bbrc/13.13/33.

3. Shoba M, Pushpa Mohan. (2020). **AI Based Device Control using IoT and Google Assistant**. *International Journal of Advanced Science and Technology*, *29*(9s), 603 - 611.

4. Shoba Chandra, Kulkarni Varsha, et. al. "**SMART VEHICLE ROUTING BASED ON ATTITUDINAL SEGMENTATION FOR SMART CITIES".** International Journal of Pure and Applied Mathematics, Volume 120 No. 6 2018, 6573-6582.

5. Chandra, Shoba & Patil, K.K. & Talanki, Suresha. (2017). **CLIF: Cross-Layer Interactive Framework for Enhancing Network Lifetime and Communication in WSN**. International Journal of Intelligent Engineering and Systems. 10. 263-272. 10.22266/ijies2017.1231.28.

6. Chandra, Shoba & Talanki, Suresha & Patil, Kiran. (2017). **Integrated S-AODV and DEL-CMAC Algorithm of Spatio Temporal Cross-Layer in Sensor Network.** 234-241. 10.1007/978-3-319-57264-2_24.

7. Shoba. M and Suresha, **"S-AODV: An adaptive method for improving AODV protocol for WSN,"** 2015 International Conference on Green Computing and Internet of Things (ICGCIoT), 2015, pp. 1016-1021, doi: 10.1109/ICGCIoT.2015.7380612.