

Prof. SUMIMOL L

Assistant Professor



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Scholar link

Qualifications:

- B. Tech – Information Technology (Kerala University-2006).
- M. Tech – Computer Science and Engineering (Kerala University-2015).

Professional Experience:

- Assistant Professor, LBSITW, Trivandrum (10th Nov 2010 –till date)
- Lecturer , SHM Engineering College, Kadakkal, Kollam (August 2008- 9th November 2010)
- Guest Lecturer, LBSITW, Trivandrum (Feb 2007- June 2008)

Recently Taught Courses:

- Distributed Computing
- Cloud Computing
- Embedded Systems
- Data Communication
- Computer Organization and Architecture
- Computer Networks Lab
- Operating Systems and Network Programming Lab

Other Responsibilities:

- Staff Advisor (2021-2025 CSE2).
- Staff Advisor (2018-2022 IT and 2014-2018 IT).
- Member of Question Paper Setting and Scrutiny committee of B.Tech courses APJ Abdul Kalam Technological University.
- Faculty –In- Charge of Campus wide Networking.
- Faculty –In- Charge of Networks Lab.
- ALUMNI Association Secretary (2012-2013 and September 2015 – October 2021).

- PAC Member (M-Tech).
- NBA Accreditation B-tech CSE/IT Criteria 6 and 7.
- Alumni Executive Member.
- Reviewer - Technical Papers - Reviewer for the National Conference on Recent Advances in Digital Transformation of Agriculture, Science and Environment 2022.

Important Publications:

- “Security in Wireless Adhoc Networks based on Trust and Encryption”, Sumimol L, Janisha A International Journal of Advanced Research in Computer and Communication Engineering, Volume 4, Issue 6, June 2015, page no: 442-445.
- “Perspective study on Calibration of Self Localization methods in Wireless Sensor Networks” Hazeena A J, Sumimol L, Journal of Emerging Technologies and Innovative research, Volume 3, Issue 6, June 2016, page no: 274-275.
- “An Improved Calibration Specific Self Localization Routing Protocol in Wireless Sensor Networks” Hazeena A J, Sumimol L, International Journal of Engineering and Advanced Technology (IJEAT), (ISSN: 2249-8958), Volume-5 Issue-6, page No: 200-204, August 2016.
- “A Secure and Time Efficient Image Encryption Based on AES Using Modified Look Up Table”, Kajal S S, Sumimol L International Research Journal of Engineering and Technology Volume: 05, Issue: 07 | July 2018, page no 2086-2091.
- “Energy Efficient Secure Communication In Wireless Sensor Networks: A Survey”, Anu M R, Sumimol L International Research Journal of Engineering and Technology Volume: 06, Issue: 04 Apr 2019, page no 5141-5144.
- “An Energy Efficient Secure Communications using Quantum key Distribution in Wireless Sensor Networks”, Anu M R, Sumimol L International Journal of Engineering Research and Technology, Vol.8, Issue-6, June 2019.
- “Securing Medical Data Using Blockchain and Cloud”, Safna F, Meera C Aji, Vrinda Mohan, Sofia S.L, Sumimol L International Journal of Advanced Science and Technology, Vol. 29, No. 9s, (2020), page no pp. 3108-3114.

Conference/Paper Presentation:

- “Security in Wireless Adhoc Networks”, Sumimol L, Janisha A, National Conference on Recent Advances in ECE, EEE and CSE at Mohandas College of Engineering, July 31 and August 1 of 2015.
- “An improved Strategy for preventing packet dropping and packet modification attacks in Wireless Sensor networks” , Sumimol L, Janisha A, National Conference on Technological Trends at Government Engineering College, Idukki, 29-30 September 2015.

- “Wearable Smart Gadget for Child monitoring based on the Internet of Things”, Shameema Latheef R and Sumimol L, International Conference on Advanced Computing and Communication Systems (ICACCS) 2023 at Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, 3-4, March 2023.