

Faculty Profile

Dr. Priyadharsini.C, M.E., Ph.D

Assistant Professor,



Department of Computer Science and Engineering

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Academic Background

Degree	University	Year
Ph.D	Anna University, Chennai	2018
M.E	Anna University, Chennai	2008
B.E	Anna University, Chennai	2006

Courses Taught

- Fundamentals of Python Programming
- Principles of Cyber Security
- Cryptography and Network Security
- Information Security Management System
- Computer Networks
- High Performance Networks
- Fundamentals of Human Computer Interaction
- Ethics in Information Technology
- Microprocessor and Interfacing
- Operating Systems
- Digital Principles and System Design

Research Interests

- Internet of Things
- Blockchain and Cryptography
- Machine Learning
- Wireless Sensor Network

Most recent Publications

- Certain Investigation of attacks in the field of Internet of Things and Blockchain Technology, ICBDC21, Aug 2021
- Investigations on the Implementation of Blockchain Technology in Supplychain Network, Sily John, Priyadharsini.C, IEEE International Conference on Advanced Computing and Communication Systems, ICACCS, Mar 2021
- Localization of underwater sensor node using the Cuckoo search algorithm, Priya Dharsini.C, D Jemima Jebaseeli, Jasmine David , Journal of Mechanics of Continua and Mathematical Sciences (JMCMS) (To be included in) Vol. 15 No. 7, January, 2020. (Web of Science & ESCI Indexed)
- Novel Content Based Data Retrieval by Pattern Matching Scheme from Cloud Storage, Jemima Jebaseeli, Priya Dharsini, D Jasmine David, Journal of Green Engineering (JGE), Vol. 10_4, pp. 1392-1402, Apr 2020, (Scopus & SCI Indexed)
- Investigation of Machine Learning Methodologies in Microaneurysms Discernment, S. Iwin Thanakumar, Tatiparthi, Karunakaran, Priyadharsini, Computational Vision and Bio-Inspired Computing, Springer Nature Switzerland AG, Jan 2020. (Scopus Indexed)
- Smart Traffic Congestion Control System, Shubin Balu, Dr. Priyadharsini.C, IEEE Xplore ISBN: 978-1-5386-7808-4, pp.689-692, 2018 (Scopus Indexed)
- An Intelligent Decision Making system for flood prediction, Priyadharsini.C, Dr.S.Kannimuthu, Asian Journal of Research in Social Science and Humanities, Feb 2017, Vol.7 Issue.2, PP:195-207, 2250-1665 (Scopus Indexed)
- Polyhedron Model for Three Dimensional Node Deployment in Underwater Sensor Network C. Priyadharsini, S. Kannimuthu, Journal of Computational and Theoretical Nanoscience Vol. 14, 1–5, 2017. (Scopus Indexed)
- Wide Area Networks Fault Detection and routing model for WSN, Gopal, Priyadharsini.C, K.Ramalakshmi, National Conference on Knowledge based Scientific Research and Communication Engineering(NCKSRC'14), Dept. of CSE, K.S.R. College of Engineering, Namakkal, Tamil Nadu
- Effective Data Gathering using Dynamic Power Level Adjustment in WSN, Samson Arun Raj, Priyadharsini.C, K.Ramalakshmi National Conference on Knowledge based Scientific Research and Communication Engineering(NCKSRC'14), Dept. of CSE, K.S.R. College of Engineering, Namakkal, Tamil Nadu.

Projects Guided

- Image encryption using 4D Qi chaotic map

- Pesticide spraying drone for agriculture
- Traffic regulation using systematic congestion control system
- IOT smart homes
- Multipath routing protocols using sink node for path selection in WSN.
- Auto-calibration of beacon nodes in indoor location computing
- Wireless sensor and actor networks in Adhoc Networks
- Enhancing the Performance Metrics of Wireless Sensor Network.
- An Energy efficient cluster formation using novel approach in wireless sensor networks
- Client-Side Cross-Site Scripting Protection
- Simulation of 3D underwater sensor networks
- Automatic Swim Trainer
- Energy Efficient fault detection and secure routing mode for WSN
- A location aware routing based coverage algorithm of redundant node for WSN
- Tracking Kids Location using Wearable Vest
- Adaptive error control of fuzzy modelling in lieu of iterative Localization for WSN
- Enhanced Secure routing for biomedical WSN
- Energy efficient Node Deployment in 3D WSN
- An Optimal Scheduling Protocol for an Underwater Acoustic Sensor Network

Memberships in Professional societies

- Computer Society of India (CSI) Life Time Member

Significant achievements:

- Project Sanctioned: Karunya Short Term Research grant on the title, “ Wireless Sensor Network Based Disaster management and Alerting system for flood Prediction”.
- Project Submitted: DST-SERB on the title, “Design and Development of Low-Cost Pesticide Spraying Drone for Agriculture Purpose”.