

Faculty Profile

Dr.A. Kathirvel, M.E., Ph.D

Professor,

Department of Computer Science and Engineering

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Academic Background

Degree	University	Year
Ph.D	Anna University, Chennai	2010
M.E	University of Madras, Chennai	2002
B.E	University of Madras, Chennai	1998

Courses Taught

- Computer Networks
- Data Structures
- Cryptography and Network Security
- Wireless Sensor Networks
- Mobile Communication
- High Speed Networks

Research Interests

- MANETs
- Wireless Sensor Networks
- Big Data
- DTN
- Vehicular Area Networks
- IoT

Most recent Publications

- A. Kathirvel, M. Subramaniam, S. Navaneethan and C. Sabarinath, "Improved IDR Response System for Sensor Network", "Journal of Web Engineering, Vol. 20 1, 53–88, 2021.

- M. Subramaniam, A. Kathirvel, E. Sabitha and H. Anwar Basha, "Modified Firefly Algorithm and Fuzzy C-Mean Clustering Based Semantic Information Retrieval", Journal of Web Engineering, Vol. 20 1, 33–52, 2021
- Kathirvel A* and Subramaniam M, "Improved Intrusion Detection and Response System for Wireless Sensor Network", International Journal of Forensic Sciences (IJFSC), International Journal of Forensic Sciences (IJFSC), Vol. 5, No. 3, pp. 1 - 15, 2020.
- R. Sundar and Dr. A.Kathirvel, “ Aggressively delivered mechanism over variable length density using a simulated annealing algorithm in mobile ad hoc network”, Transactions on Emerging Telecommunications Technologies, 2020, e38632020, pp. 1 – 13.
- R. Sundar and Dr. A.Kathirvel, “Enhanced Cluster Based Stable Path for Load Balancing and Reducing Overhead using Artificial Bee Colony in Manets”, International Journal of Vehicle Information and Communication Systems Inderscience Publishers Ltd, Vol.5, No.1, pp. 41 -54, 2020.
- N.Sangeetha and Dr.A.Kathirvel,"Quantification of Epicardial and Thoracic Adipose Tissue using WOA Optimized CNN", International Journal of Innovative Technology and Exploring Engineering, Vol. 8, No. 9S2, pp. 720-724, 2019.
- R. Sundar and Dr. A.Kathirvel, “ Efficient prior path failure recovery algorithm using channel aware routing in manet”, International Journal of Innovative Technology and Exploring Engineering, Vol. 8, No. 5, pp. 97-103, 2019.
- K.Hamela and Dr.A.Kathirvel,"EIMO-ESOLSR: Energy Efficient and Security Based Model for OLSR Routing Protocol in Mobile Ad Hoc Network", IET Communication, Vol. 13, No. 5, pp. 553-559, 2019.
- K.Hamela and Dr.A.Kathirvel,"Multi Objective ALO based Energy Efficient and Secure routing OLSR Protocol in MANET", International Journal of Intelligent Engineering and Systems, Vol. 12, No. 1, pp. 74-83, 2019.
- J.P.Josh Kumar and Dr.A.Kathirvel, “Analysis and ideas for improved routing in MANET”, International Journal of Interactive Mobile Technologies, Vol. 13, No. 4, pp. 164-177, 2019.

Projects Guided

- NIL

Memberships in Professional societies

- Life Member I.S.T.E. (LM 37847)
- IAES
- ACSE (91.5865)
- IACSIT
- ACM
- IAENG (238386)
- ICST
- Fellow Member ISRD (F3140900126)

Significant achievements:

- Projects Guided B.E (50 projects), M.E (25 projects), and M.C.A (10 projects)
- Ph.D (4 Completed)

- Ph.D (2 Pursuing)
- Supervisor in Anna University, Chennai (Old. Ref No.24.04.08 & New Ref. No.2440144) and SRM University, Chennai (SRMIST/R/Tap.4093 – Estt. 2020 – 2144), etc.
- 17 Funded project completed value of 1.03 crores.
- 13 books published
- 22 papers in Scopus and 26 papers in WoS