

Faculty Profile

Dr. E.Bijolin Edwin, M.E., Ph.D

Assistant Professor,

Department of Computer Science and Engineering

bijolin@karunya.edu



Academic Background

Degree	University	Year
Ph.D	Anna University, Chennai	2018
M.E	Muthayammal Engineering College , Affiliated to Anna University	2008
M.Sc [S.E]	Annai Mathammal Sheela Engineering, Affiliated to Periyar University, Salem	2004

Courses Taught

- Virtualization
- Software Engineering
- DataBase Systems
- Storage Area Networks
- Object Oriented Analysis and Design
- Multimedia Database
- Multimedia Systems and Design
- Ethics in Information Technology
- Computer Vision

Research Interests

- Cloud Computing
- Machine Learning
- Deep Learning

Most recent Publications

- E. Bijolin Edwin, M. Roshni Thanka, Shiny Deula, “An internet of drone(IoD) based data analytics in cloud for emergency services”, International Journal of Recent Technology and Engineering, 7(5), pp.263-267, 2019, ISSN: 2277-3878, Volume-7 Issue-5S2, January 2019.
- Shiny Duela, M. Roshni Thanka, E. Bijolin Edwin, “Improving reliability of Web Based Result Query System during Traffic”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277 – 3878, Volume-8, Issue-2S5, July 2019
- M. Roshni Thanka; P. Uma Maheswari; E. Bijolin Edwin, “A hybrid algorithm for efficient task scheduling in cloud computing environment”, International Journal of Reasoning-based Intelligent Systems, 2019 Vol.11 No.2, Available online: 15 May 2019.pp. 134-140, DOI: 10.1504/IJRIS.2019.099850
- E. Bijolin Edwin, P. Umamaheswari & M. Roshni Thanka, “An efficient and improved multi-objective optimized replication management with dynamic and cost aware strategies in cloud computing data center”, Cluster Computing, Springer , ISSN 1386-7857, DOI 10.1007/s10586-017-1313-6, 21 November 2017
- M. Roshni Thanka, Dr. Uma Maheswari P, E. Bijolin Edwin, “An improved efficient: Artificial Bee Colony algorithm for security and QoS aware scheduling in cloud computing environment” DOI 10.1007/s10586-017-1223-7, Cluster Computing, Springer, October 2017. [IF:2.04]
- Manoj Sai, E. Bijolin Edwin, Mani Arun, Santhosh Paul, Sudarshan, Train Collision Avoidance & Crack Detection Using GPS, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277 – 3878, Volume-8, Issue-2S5, July 2019

Projects Guided

- A cost effective popularity based dynamic replication algorithm in cloud environment
- Skin lesions classification using machine learning techniques
- Wind power forecasting using machine learning algorithms
- An architecture for providing security to cloud resources
- Flexible edge cloud model for multimedia application
- Energy efficient virtual machine monitoring architecture for green cloud computing
- Data replication technique in cloud computing data centers
- Image forgery detection on cloud

Memberships in Professional societies

- Life time member of Computer Society of India

Significant achievements:

- Completed NPTEL course on Introduction to Internet of Things