Faculty Profile

Dr. Esther Daniel, M.E., Ph.D
Associate Professor,
Department of Computer Science and Engineering
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Academic Background

Degree	University	Year
Ph.D	Anna University	2020
M.E	Karunya University	2006
B.E	Bharathiyar University	2003

Courses Taught

- Cryptography & Network Security
- Programming for Problem Solving
- Unix Architecture & Operating System
- Cloud Computing, Virtualization
- Data warehouse & Mining
- Storage Area Networks

Research Interests

- Cloud Storage Security
- Networking
- AI and Machine Learning

Most recent Publications

- **Esther Daniel**., Durga, S., & Vijila, M. (2021). A Continuous Sampling Method for Batch Data Auditing in Cloud Storage. International Journal of Information Systems in the Service Sector (IJISSS), 13(2), 1-12.[Scopus/WoS]
- Durga, S., **Esther Daniel**., Kanmani, S. D., & Philip, J. M. (2021). Cardiac arrhythmia classification using sequential feature selection and decision tree classifier

method. International Journal of Innovative Computing and Applications, 12(4), 175-182.[Scopus]

- Durga, S., **Esther Daniel**., & Leelipushpam, P. G. J. (2021). A novel request state aware resource provisioning and intelligent resource capacity prediction in hybrid mobile cloud. Journal of Ambient Intelligence and Humanized Computing, 1-14.[Impact factor 4.8/SCI/Scopus]

- Seetha, S., Francis, S. A. J., Kanaga, E., & **Esther Daniel**. (2020). ESAM-Energy Saving Slot Allocation Based Multicast Routing in Wireless Mesh Network. EAI Endorsed Transactions on Energy Web, 7(30), e11.[Scopus]

- **Esther Daniel**,S.Durga,J.Vijayalakshmi,.Janani,N.Susila Green telecare: An iot and cloud based identification of common thoracic diseases using deep learning approach,Journal of Green Engineering, Volume-11, Issue-2, pp.1452-1466.Feb 2021[Scopus Indexed]

- Philip, J. M., Durga, S., & **Esther Daniel**. (2020). Deep Learning Application in IoT Health Care: A Survey. In Intelligence in Big Data Technologies—Beyond the Hype (pp. 199-208). Springer, Singapore. [Scopus Indexed]

- Durga, S., **Esther Daniel,** & Deepakanmani,(2020) S. DNN-Based Decision Support System for ECG Abnormalities. In 2nd EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing (pp. 331-338). Springer, Cham. [Scopus Indexed]

- Angelin, D., **Esther Daniel**., Paulraj, G. J. L., & Durga, S. (2020, March). A Cost-Effective Framework for Heart Signal Monitoring System. In 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS) (pp. 655-660). IEEE. [Scopus Indexed]

- **Esther Daniel**., & Vasanthi, N. A. (2020). ES-DAS: An Enhanced and Secure Dynamic Auditing Scheme for Data Storage in Cloud Environment. Journal of Internet Technology, 21(1), 173-182. [Impact factor 1.7 SCI/Scopus Indexed]

- **Esther Daniel**, Durga, S., Susila, N., Subha, S, "An optimal machine learning classifier for cloud-based web URL phishing detection", Journal of Green Engineering, Volume-10, Issue-4, pp.1618-1632.April 2020[Scopus Indexed]

- **Esther Daniel** & N.A Vasanthi, 'LDAP: A Lightweight Deduplication and Auditing Protocol for Secure Data Storage in Cloud Environment', International Journal of Cluster Computing, Springer,2019, pp.1247-1258. [Impact Factor: 2.040 SCI/SCOPUS]

- Merlin Kunju, **Esther Daniel,** "Evaluation of Phishing Techniques based on Machine learning" in Third International Conference on Intelligent Computing and Control systems (ICICCS 2019) on May 15 to 17,2019. [SCOPUS Indexed]

- **Esther Daniel**, S.Durga, S. Seetha, "Panoramic view of cloud storage security attacks -an insight and security approaches" in Third International conference on computing methodologies and communication (ICCMC 2019) a Surya Engineering College, Erode, on 27th to 29th March,2019 [SCOPUS Indexed]
- Seetha, S., Francis, S. A. J., Kanaga, E. G. M., **Esther Daniel**, & Durga, S. (2019, March). A framework for multi-constraint multicast routing in wireless mesh networks. In 2019 5th International Conference on Advanced Computing & Communication Systems (ICACCS) (pp. 445-451). IEEE.
- S.Durga, Rishab Nag, **Esther Daniel,** "Survey on machine learning and deep learning algorithms used in Internet of Things(IoT) healthcare in Third International conference on computing methodologies and communication (ICCMC 2019) a Surya Engineering College, Erode, on 27th to 29th March,2019 [SCOPUS Indexed]
- S.Durga,**Esther Daniel,** "SmartMobiCam: Towards a New paradigm for Leveraging Smartphone cameras and IaaS cloud for Smart city video surveillance", in Proceedings of the 2nd International Conference on Trends in Electronics and Informatics (ICOEI 2018) held at SCAD, Tirunelveli.[SCOPUS Indexed]
- **Esther Daniel**, N.A Vasanthi, "An cost effective dynamic auditing scheme for data storage in cloud environment", Proceedings of IEEE International conference on Innovations in green energy and healthcare technologies held at Dr.N.G.P Institute of Technology,2017 [Scopus Indexed].
- **Esther Daniel**., & Vasanthi, N. A. (2016). An efficient continuous auditing methodology for outsourced data storage in cloud computing. In Computational Intelligence, Cyber Security and Computational Models (pp. 461-468). Springer, Singapore.[SCOPUS Indexed]
- Meena, S., **Esther Daniel,** & Vasanthi, N. A. (2013, March). Survey on various data integrity attacks in cloud environment and the solutions. In 2013 International Conference on Circuits, Power and Computing Technologies (ICCPCT) (pp. 1076-1081). IEEE.[SCOPUS Indexed]

Projects Guided

- An Efficient Heart Sound Classification Methods for Heart Diseases
- Secure Auditable Versioned Data Storage Outsourcing for Cloud Computing Environment
- Dynamic auditing for secure cloud storage
- A Secure Attribute Based Cloud Storage with Transparent Data Encryption
- A Scalable Privacy-Preserving Verification Correctness Protocol to Identify the Corrupted Data In Cloud Storage
- Trust driven analysis-based cloud workflow scheduling strategies
- Privacy Preserving Auditing for High Performance in Cloud Storage
- Mitigation of Replay Attack in Decentralized Access Control (DAC) System

- Privacy Preserving Auditing for High Performance in Cloud Storage
- Efficient Resource Allocation in Cloud.
- Enhancing Data Storage Integrity in Cloud Environment by mitigating Repudiation attacks
- Access Control Schemes in Cloud Storage
- Efficient and Secure Aggregation in VANETs.
- A Scalable data placement for scientific workflows in Cloud computing
- Malware analysis and prevention techniques

Memberships in Professional societies

- Life member of CSI