Faculty Profile

Ashmiya Lenin

Assistant Professor,
Department of Computer Science and Engineering
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Academic Background

Degree	University	Year
Ph.D (Artificial Intelligence)	Karunya Institute of Technology and Sciences	Pursuing
M.Tech (Communication Systems)	Karunya Institute of Technology and Sciences	2023
B.Tech (Electronics and Communication Engineering)	Karunya University	2016

Research Interests

- Artificial Intelligence, Machine Learning
- Internet of Things
- Computational Intelligence, Soft Computing Techniques
- Wireless Ad hoc Networks

RESEARCH ACTIVITIES

Scopus Author ID: 57205264298
Web of Science Researcher ID: K-5447-2019
ORCID: https://orcid.org/0000-0002-1310-3442

A. MOST RECENT PUBLICATIONS

- Suganthi Evangeline, **Ashmiya Lenin** and Vinoth Babu Kumaravelu (2023), "Blockchain System for Secure and Efficient UAV-to-Vehicle Communication in Smart Cities", International Journal of Electronics and Telecommunications. (Scopus, Web of Science) https://ijet.pl/index.php/ijet/article/view/10.24425-ijet.2023.144342

- Evangeline, C. S., Sarah, M., **Lenin, A.**, Reddy, J. H. V., Mary, X. A., & Karthiga, M. (2023, May). Design of On-Board Unit for Vehicular Applications. In 2023 2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN) (pp. 1-6). IEEE. (Scopus) https://ieeexplore.ieee.org/document/10157654

- C. Suganthi Evangeline and **Ashmiya Lenin** (2019), "Human health monitoring using wearable sensor", Sensor Review, vol. 39, pp. 364-376. (IF = 1.6). https://www.emerald.com/insight/content/doi/10.1108/SR-05-2018-0111/full/html

- C. Suganthi Evangeline, **Ashmiya Lenin**, Jaya Keshava Chandra and Jeeva Prasath, "Monitoring and Control of Vital Parameters in Greenhouse using Internet of Things", International Journal of Innovative Technology and Exploring Engineering (IJITEE), vol. 8, pp.849-859, 2019. (Scopus) https://www.ijitee.org/portfolio-item/i7653078919/

B. Professional Services

- Reviewer of Sensor Review (IF = 1.6)
- Reviewer of PLOS ONE (IF=3.7)
- Reviewer of Asian Journal of Computer Science and Technology
- Reviewed papers in the 3rd IEEE International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)
- PC member of ComPE-2021 (International Conference on Computational Performance Evaluation)
- Reviewed 3 papers of the International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)

C. Professional Memberships

- Institute of Electrical and Electronics Engineers (IEEE) (July 2021 – June 2022)
- IEEE Vehicular Technology Society (July 2021 – June 2022)

CERTIFICATIONS

1. Deep Learning Onramp – June 2023, MathWorks
2. Machine Learning Onramp – June 2023, MathWorks
3. Signal Processing Onramp – June 2023, MathWorks
4. Image Processing Onramp – June 2023, MathWorks
5. MATLAB Onramp – June 2023, MathWorks

6. Certification Exam: Intro to Deep Learning- May 2023, Kaggle.
7. Certification Exam: LFS110x: Business Considerations for 5G with Edge, IoT, and AI – June 1, 2022, LinuxFoundationX.
8. Certification Exam: Wireless Communications for Everybody - March 3, 2022, Coursera
9. Introduction to Packet Tracer Exam -Cisco
10. Python for Data Science- Sep 2021, IBM
11. Blockchain Essentials- Sep 2021, IBM
12. Certification Exam: The Fundamentals of Digital Marketing – Sep 5, 2021, Google
13. Certificate of Completion: Network Simulation using NS2 - May 6, 2021, Udemy
14. Certificate of Completion: Web Development - Dec 2, 2020, Udemy

Projects Undertaken

- Access Network selection in VANET using Deep learning Techniques (2022)
- Design of On Board Unit for Vehicular Applications (2021)
- Analysis of COVID-19 outbreak and Estimation of spread using Machine Learning Approach in India (2020)
- Green House Monitoring System (2018-19)
- Human Health Monitoring using Wearable Sensors (2016-18)
- Password based door locking system (2015)
- Temperature Monitoring using ADC0804 and AT89C51 in UNIQ Technologies, Coimbatore (2014)

Significant Achievements

- **University Rank holder** in M.Tech (Communication Systems)
- Received an **academic incentive award** and certificate of appreciation with a **cash award** for securing the **highest CGPA and SGPA** in all the semesters among M.Tech-Communication Systems
- Runner-up award in Texas Instruments India Analog Maker Competition, 16th Feb - 14th 2015, Karunya University.