Dr. Dincy R Arikkat

Assistant Professor, Computer Science and Engineering

Administrative Responsibilities

- Website and Social Media Committee Secretary
- HoD, MCA
- Co-ordinator of Quiz Committe
- Member of Admission Committee
- Member of Website Committee

Education Summary

- Ph.D., Cochin University of Science and Technology Kochi, Kerala, India.
- Title: Cyber Threat Intelligence Mining and Sharing
- MCA, Cochin University of Science and Technology, Kochi, Kerala, India.
- BSc. Mathematics, St. Joseph's College Irinjalakuda, Kerala, India.

Employment History

- Assistant Professor at Christ College of Engineering (Autonomous), Irinjalakuda (2026-till)
- 6 years of experience at Christ College (Autonomous) Irinjalakuda

Areas of Interest

- Cyber Threat Intelligence
- Machine Learning

- Federated Learning
- Deep Learning
- Natural Language Processing

Resource Person

- Refresher Course, HSSTP 2025, Department of Computer Applications, CUSAT , Kochi, Kerala.
- Training Program, Basic Guardians for Cyber Vigilance, Department of Computer Applications, CUSAT, Kochi, Kerala.
- Refresher Course, HSSTP 2024, Department of Computer Applications, CUSAT , Kochi, Kerala.
- Training Program, Documenation writing with LaTEX, Adi Shankara Institute of Engineering and Technology, Kochi, Kerala.

Awards and Achievements

- Best Paper Award, International Conference on Advancements In Smart Computing And Information Security 2023(Scopus), Marwadi University, Gujarat 2015.
- Fifth Rank, MCA University Examination, Cochin University of Science and Technology.

Certification

- Certification course in Pearson Data Analytics.
- Certification course in Oracle Database Design and Programming with SQL.
- Certification course in Microsoft Office Specialist (Excel).

Journals/Papers published

- Dincy R. Arikkat, Serena Nicolazzo, Antonino Nocera, Rafidha Rehiman K. A. Vinod P., and Mauro Conti. “NLP-based techniques for cyber threat intelligence.", Computer Science Review 58 : 100765, 2025, Elsevier. (SCIE, Q1, Impact Factor: 12.7).
- Dincy R. Arikkat, Mert Cihangiroglu, Mauro Conti, Rafidha Rehiman KA, Serena Nicolazzo, Antonino Nocera, and P. Vinod. ”SeCTIS: A framework to Secure CTI Sharing." Future Generation Computer Systems, 164 (2025): 107562. Elsevier, (SCIE, Q1, Impact Factor: 6.2)

- Dincy R. Arikkat, P. Vinod, Rafidha Rehiman KA, Serena Nicolazzo, Antonino Nocera, Georgiana Timpau, and Mauro Conti. ”OSTIS: A novel organization-specific threat intelligence system." Computers & Security, 145 (2024): 103990. Elsevier, (SCIE, Q1, Impact Factor: 4.8)
- Dincy R. Arikkat, P. Vinod, K. A. Rafidha Rehiman, Rabeeba Abdul Rasheed, and Mauro Conti. ”XAITrafficIntell: Interpretable Cyber Threat Intelligence for Darknet Traffic Analysis." Journal of Network and Systems Management, 32, no. 4 (2024): 88. Springer, (SCIE, Q1, Impact Factor: 4.1)
- Dincy R. Arikkat, Vinod P., Rafidha Rehiman K. A., Serena Nicolazzo, Marco Arazzi, Antonino Nocera, and Mauro Conti. “DroidTTP: Mapping Android Applications with TTP for Cyber Threat Intelligence." Journal of Information Security and Applications, Volume 93, 2025, Elsevier, (SCIE, Q1, Impact Factor: 3.7)
- Dincy R. Arikkat, Vinod P., Rafidha Rehiman K. A., Andrea Di Sorbo, Corrado A. Visaggio, and Mauro Conti. “Discerning Reliable Cyber Threat Indicators for Timely Cyber Threat Intelligence." Journal of Computer Virology and Hacking Techniques, 21(1), p.25, 2025, Springer, (ESCI, Q2, Impact Factor: 1.9)
- Marco Arazzi, Dincy R. Arikkat, Mert Cihangiroglu, and Sameera KM. ”A Privacy-Preserving Byzantine-Aware Swarm Learning Framework for CTI." In 2024 Annual Computer Security Applications Conference Workshops (ACSAC Workshops), pp. 171-177. IEEE, 2024 (Core Ranking = A, Scopus).
- Dincy R. Arikkat, P. Vinod, Rafidha Rehiman KA, Serena Nicolazzo, Antonino Nocera, and Mauro Conti. ”Relation Extraction Techniques in Cyber Threat Intelligence." In 29th International Conference on Applications of Natural Language to Information Systems, NLDB 2024, pp. 348-363. Cham: Springer Nature Switzerland, 2024 (Core Ranking = C, Scopus).
- Dincy R. Arikkat, M. Abhinav, Navya Binu, M. Parvathi, Navya Biju, K. S. Arunima, P. Vinod, Rafidha Rehiman KA, and Mauro Conti. ”IntellBot: Retrieval Augmented LLM Chatbot for Cyber Threat Knowledge Delivery." In IEEE 16th International Conference on Computational Intelligence and Communication Networks (CICN), pp. 644-651. IEEE, 2024 (Scopus).
- Aravind, P. C., Dincy R. Arikkat, Anupama S. Krishnan, Bahja Tesneem, Aparna Sebastian, Mridul J. Dev, K. R. Aswathy, KA Rafidha Rehiman, and P. Vinod. ”CyTIE: Cyber Threat Intelligence Extraction with Named Entity Recognition." In 2nd International Conference on Advancements in Smart Computing and Information Security, pp. 163-178. Cham: Springer Nature Switzerland, 2023 (Scopus, Best Paper).
- Dincy R. Arikkat, Rafidha Rehiman KA, Vinod, Suleiman Y. Yerima, Manoja, Pooja, Shilpa Sekhar, Sohan James, and Josna Philomina. ”Multi-domain network traffic

analysis using machine learning and deep learning techniques." In Proceedings of the Fourteenth International Conference on Contemporary Computing, pp. 305-312. 2022 (Scopus).

- Ganga Lal E. R, Dincy R. Arikkat, Vinod P., Rafidha Rehiman K. A, Deepa K. ”Adversarial Attack on Cyber Threat Intelligence System.", Seventeenth International Conference on Contemporary Computing (IC3), 2025, (Scopus).
- Dincy R. Arikkat, Hasna Jabeen N. K., Mirko Lai, Serena Nicolazzo, Antonino Nocera, Anafa P., Vinod P. and Rafidha Rehiman K. A.. ”Network Traffic-Based Malware Detection for Android Devices." ITADATA2025: The 4th Italian Conference on Big Data and Data Science, 2025.
- Sameera, K. M., Dincy R. Arikkat, P. Vinod, Rafidha Rehiman K A , Azin Aneez, and Mauro Conti. ”Federated Learning: An Overview of Attacks and Defense Methods." Machine Learning, Deep Learning and AI for Cybersecurity (2025): 393-431.