



L. Ahmad S. Irfan Akbar, ST., M.Eng.

Computer Network, Database

Bachelor's degree (Physics Engineering)	Gadjah Mada University, Yogyakarta	2001
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Master's degree (Electrical Engineering)	Gadjah Mada University, Yogyakarta	2008
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Employment

Lecturer Undergraduate's program in Electrical Engineering, Engineering Faculty	University of Mataram, Indonesia	December, 2009
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Research and development projects over the last 5 years

1. 915 MHz LoRa Wireless Communication Development for supporting the GSM network infrastructure on Blank Spot Area, Funded by Research for Capacity Building, University of Mataram.2022
2. 915 Mhz LoRa Linear Multi-Hop Exploration to increase the Transmission Coverage with low energy consumption in Low Power Wide Area Networks, Funded by Research for Capacity Building, University of Mataram, 2021
3. Classification of DDoS Attack patterns using Deep Learning Convolutional Neural Network (DL-CNN). 2020
4. Tracking the Position of Outdoor Objects Based on Signal Strength of LoRa Using Fingerprint Algorithm, Funded by Research for Capacity Building, University of Mataram, 2018

Industry collaborations / Community Services over the last 5 years

1. Internet of Things (IoT) Workshop For Students in SMKN 1 Praya Tengah, Kecamatan Praya Tengah Lombok Tengah, Funded By University of Mataram, 2021
2. Standard 9-Criteria Study Program Accreditation Self-Assessment System (APS.4.0) with Participatory Method 2020.
3. Internet Market Place Training for Weaving Craftsmen in Beleka Village, Praya Timur District, Central Lombok, 2020
4. Internet Market Place Training for Songket Weaving Craftsmen, Sukarara Village, Jonggat District, Central Lombok, 2019.
5. Workshop on Utilizing Digital Educational Games for Pre-School Teachers in Mataram City, 2018
6. Electronic Livestock Weighing Equipment for Livestock Communities in Ampenan District, 2018.

Patents and

proprietary rights

Important publications over the last 5 years

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| 1. EAM-LoRaNet: Energy Aware Multi-hop LoRa Network for Internet of Things, Kinetik: Game Technology, Information System, Computer Network, Computing, Electronics, and Control, Vol. 7, No. 1, February 2022 | |

2. Kinerja Jaringan Saraf Berbasis Backpropagation dan LVQ Sebagai Algoritma Fingerprint RSS LoRa Untuk Penentuan Posisi Pada Ruang Terbuka, Jurnal Teknologi dan Sistem Komputer (JTSISKOM), Vol. 8, Issue 2, April 2020 (SINTA 2)
3. Compromise of 915 MHz LoRa Transmission Parameters in A Single-hop Uplink, 2021 International Conference on Computer System, Information Technology, and Electrical Engineering (COSITE), Banda Aceh, October 20-21, 2021.
4. Studi Komputasi Paralel dan Implementasinya pada Kasus Komputasi Matriks Besar". Journal of Computer Science and Informatics Engineering (J-Cosine). Volume 1, Issue 1. 2018

Activities in specialist
bodies over the last 5
years