

# Dr. Suzi Iryanti Fadilah

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**Senior Lecturer | Computer Networks | Vehicular Ad Hoc Networks | Intelligent Transportation Systems**

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## Education

- PhD in Computer Science (Quality of Service, QoS), Universiti Sains Malaysia (USM), 2011–2017
- Master of Computer Science (Internetworking), Universiti Teknikal Malaysia Melaka (UTeM), 2009–2011
- Bachelor of Computer Science (Networking), Universiti Teknikal Malaysia Melaka (UTeM), 2005–2008

## Academic Experiences

**Senior Lecturer, School of Computer Sciences, Universiti Sains Malaysia (USM), Feb 2018 – Present**

- Research focuses in Vehicular Ad Hoc Networks (VANETs), Intelligent Transportation Systems (ITS), Wireless Networks, and Sensors.
- Teaching undergraduate and postgraduate courses
- Supervision of undergraduate, Master's, and PhD students.
- Active in curriculum development and external collaborations.

**Lecturer, School of Science and Technology, Wawasan Open University (WOU), Jan 2016 – Jan 2018**

- Developed and delivered ODL-based courses in computer networks, protocols, and wireless technologies.
- Contributed to program curriculum design and academic administration.

**Lecturer, School of IT (SIT), International College of Yayasan Melaka ICYM, Jan 2009– September 2011**

- Teaching Diploma Computer Science and Twin Programs for Degree programs UTM/Unitar
- Contributed to program curriculum design and academic administrations

## Internal Experience

- Ahli Jawatankuasa Internal Quality Assurance (IQA) PTJ USM
- Ahli Jawatankuasa Dalam SWA Akreditasi Program Akademik Peringkat Pusat Bertanggungjawab (PTJ), Universiti Sains Malaysia
- Jawatankuasa Kecil Program Siswazah Kerja Kursus & Mod Campuran, PPSKomp
- Jawatankuasa OBE PPSKomp
- Postgrad Curriculum Review Committee Pusat Pengajian Sains Komputer USM 2025
- Jawatankuasa Rombakan Kurikulum Program Ijazah Sarjana Muda Dan Sarjana Pusat Pengajian Sains Komputer USM 2024
- Internal Quality Auditors (IQA) For Continuous Audit Compilation and Documentation Task Force 2022-Present
- Panel Audit Dalam Rangkaian USM 2020-2022
- OBE School Committee USM 2018-Present
- Task Force For Laporan Penilaian Kendiri Program (Psrr) Bachelor of Computer Science Pusat Pengajian Sains Komputer USM 2019/2020 MQA Level 6 2020

## External Assessor Appointments & Academic Contributions

- MQA Assessor (Open & Distance Learning, ODL) – Panel member for Undergraduate and Postgraduate’s program accreditation and quality assurance reviews throughout the years.
- UiTM Shah Alam On Campus Program Sarjana Sains Perangkaan Komputer (Cdcs708)
- UKM (Institut Informatik Visual (Ivi) On Campus Program Doktor Falsafah dan Doktor Falsafah (Informatik Visual)

## External Advisor/Consultant for Undergraduate and Postgraduate Programs

- UTAR ODL Advisor for Master in Data Science (ODL) School Level
- UTAR Member Board of Studies (University Level-ODL)
- Vitrox Academy Advisor On-Campus Diploma Computer Science
- External Advisor Politeknik Balik Pulau Diploma Computer Science

## ODL Experiences

- Wawasan Open University (WOU), School of Science and Technology SST (2016–2025) Undergraduate distance learning using OBE and technology-enabled pedagogy.

## External Appointments & Research Contributions

- Technical Program Committee (TPC) Member – VEHICULAR (2021 Nice, 2023 Barcelona, 2024 Athens, 2025 Lisbon, 2026 Spain).
- Committee Member – IEEE Vehicular Technology Conference (VTC).
- Committee Member – International Academic Forum (IAFOR), Japan.

## Editorial & Review Roles

- Reviewer: IEEE Vehicular Technology Conference, JICT, JRC.
- Editorial Board Member: Journal of Robotic and Controls JRC (2019-Present)
- Book Reviewer: Aplikasi Teknologi Maklumat Dan Komunikasi (UTHM, 2020), UniMAP (2024).

## Research Grants & Collaborations

### National & University Grants

- Principal Investigator – A New Mobility Model for Motorcycle Riders in Urban Cities (FRGS Grant, RM74,800).
- Co-Researcher – The Effectiveness of Mobile Application Prototype (Gigiku Sihat) in Improving Dietary Habit and Oral Hygiene of Children (RUI Grant, RM30,000, 2020–2025, School of Dental Sciences, USM).
- Co-Researcher – Model Infak Bersepadu (MIB) antara Masjid dan Kelompok Asnaf Terpilih (National Grant, RM125,400, 2021–2024, School of Humanities, USM).

### Teaching & Learning Grants

- Co-Researcher – Self-Directed Learning Readiness, Internet Self-Efficacy, and Preferences towards Constructivist Internet-Based Learning Environments (RM11,800, 2018–2022, School of Business, WOU).
- Co-Researcher – Virtual Land Surveying Instrument for Open Distance Learning (ODL) (RM30,000, 2020–2021, School of Science & Technology, WOU).

## Research Interests & Expertise

- Vehicular Ad Hoc Networks (VANETs)
- Intelligent Transportation Systems (ITS)
- Wireless & Sensor Networks
- Quality of Service (QoS) in Computer Networks
- Open & Distance Learning (ODL) Frameworks

## Professional Memberships

- Certified IPv6 Fundamental, ITU-MUST
- Member, Internet Society
- Member, IEEE
- Huawei Certified Instructor (2018–2021)
- CISCO Certified Instructor

## Community Engagement

- Volunteer, MAKNA (National Cancer Council)
- Volunteer, MIASA (Mental Illness Awareness & Support Association, Malaysia)

