

TS. DR. SHARIFAH MASHITA SYED MOHAMAD

SENIOR LECTURER

Dr. Sharifah Mashita holds a Ph.D. in Software Engineering from the University of Technology, Sydney (UTS). Her research contributions include software reliability engineering, software quality and testing, agile and iterative development, software analytics and software maintenance.



RESEARCHER PROFILE

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EDUCATION

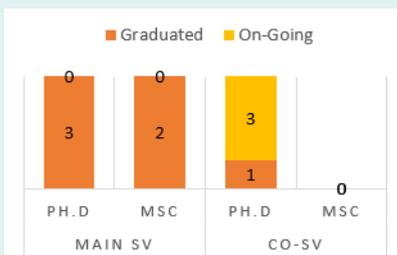


- Ph.D. in Software Engineering, University of Technology, Sydney, Australia
- Master in Computer Science, Universiti Sains Malaysia
- Bachelor in Information Technology, Universiti Utara Malaysia

AREAS OF EXPERTISE

- Software Reliability Engineering
- Software Quality and Testing
- Software Metrics and Measurement
- Agile and Iterative Software Development

SUPERVISION



COLLABORATORS



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SELECTED RESEARCH PROJECTS

- ✓ Prototype Research Grant Scheme (PRGS), MOHE. Development of an Analytics-Driven Software Reliability Assessment Platform for Continuous Integration and Deployment Environment. (2020 – 2022). RM 81,000.
- ✓ UMT TAPE-RG. Empirical Analysis of Software Maintainability Metrics in DevOps Environment. (2023 – 2025). RM 20,000.
- ✓ USM Bridging Grant. Characterizing the contribution of continuous integration practices to release readiness of software: A data science approach. (2018 – 2020). RM 20,000.

SELECTED PUBLICATIONS

- ✓ Hing Ratana, **Sharifah Mashita Syed-Mohamad***, Chan Huah Yong, 2025, "Software Model Checking Distributed Applications: A Hybrid Approach", Journal of Advanced Research in Applied Sciences and Engineering Technology, 45, Issue 2 (2025) 152-167. Scopus-indexed.
- ✓ **Sharifah Mashita Syed-Mohamad***, Amir Ngah, Al-Fahim Mubarak Ali, Pantea Keikhosrokiani, 2025, "Measuring Software Maintainability: An Analysis of Evolving Metrics across Development Paradigms", Journal of Advanced Research in Applied Sciences and Engineering Technology. Scopus-indexed.
- ✓ **Sharifah Mashita Syed-Mohamad***, Norsyazwani M. Subri, Masita @ Masila Abdul Jalil, Amir Ngah Najihah Ibrahim, 2025, "Exploring DevOps Metrics: A Study on Code Maintainability and DevOps Deployment Practices", Asia-Pacific Journal of Information Technology and Multimedia (APJITM). Scopus-indexed.
- ✓ Raihanus Saadat, **Sharifah Mashita Syed-Mohamad***, Pantea Keikhosrokiani, Athira Azmi, 2022, Enhancing Manufacturing Process by Predicting Component Failures Using Machine Learning, Neural Computing and Applications, 34(20):1-15. WoS.
- ✓ Hassan Fazayeli, **Sharifah Mashita Syed-Mohamad***, Nur Shazwani Md Akhir, 2019, Towards Auto-labelling Issue Reports for Pull-Based Software Development using Text Mining Approach, Journal of Procedia Computer Science, Vol. 161, Pages 585-592, Elsevier, Scopus-indexed.