MINISTRY OF HIGHER EDUCATION

FACULTY OF COMPUTER SCIENCE AND MATHEMATICS

UMT

SOFTWARE ENGINEERING GROUP

TS. DR. MASITA @ MASILA ABDUL JALIL

ASSOCIATE PROFESSOR

Masita is a researcher specializing in software engineering and information systems. Her work encompasses software reuse and maintenance, secure system design, and the integration of security protocols throughout the development lifecycle, alongside research in data and text mining for extracting valuable insights. She also explores the intersection of human factors and technology, focusing on cognitive load and skills acquisition. Her interdisciplinary research aims to advance secure, and efficient technologies while leveraging data-driven approaches to address evolving challenges in software and information systems.

RESEARCHER PROFILE

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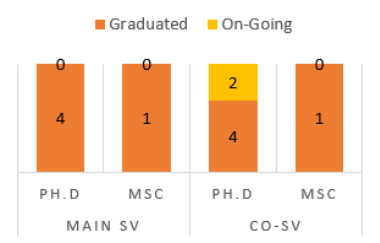
EDUCATION

- Ph.D. in Information Systems, Universiti Kebangsaan Malaysia
- Master in Engineering Business Management, University of Warwick, UK
- B.Sc. in Computer Engineering, University of Warwick, UK

AREAS OF EXPERTISE

- Software Engineering
- Information Systems

SUPERVISION



COLLABORATORS

CyberSecurity MALAYSIA

MCMC

SELECTED RESEARCH PROJECTS

- Postgraduate Research Grant (PGRG) from Universiti Malaysia Terengganu. Offshore Software Maintenance Process Model. (2020-2023). RM 20,000.
- Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education Malaysia. An Enhanced Framework of Components Reusability Evaluation for Software Developer in Supportive New System Development. (2019-2021). RM 54,000.
- Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education Malaysia. A New Forensic Algorithm for Secured Path Identification in Situational Crime Prevention Utilizing Chess Playing Tactics, Path Finding and AHP Techniques. (2015-2018). RM 71,150.

SELECTED PUBLICATIONS

- Ismail, N.E.A., Ali, N.H., **Jalil, M.A.**, Yunus, F., Jarno, A.D. (2024). A Proposed Framework of Vulnerability Assessment and Penetration Testing (VAPT) in Cloud Computing Environments from Penetration Tester Perspective. Journal of Advanced Research in Applied Sciences and Engineering Technology, 39(1), pp. 1–14. SCOPUS-Indexed.
- **Jalil, M.**, Ali, N.Hj., Yunus, F., Hsiung, L.H., Almaiah, M.A. (2024). Cybersecurity Awareness among Secondary School Students Post Covid19 Pandemic. Journal of Advanced Research in Applied Sciences and Engineering Technology, 37(1), pp. 115–127. SCOPUS-Indexed.
- Ikram, A., **Jalil, M.A.**, Ngah, A.B., Akram, M., Khan, A.S. (2023). Offshore Software Maintenance Outsourcing Process Model Validation: A Case Study Approach. Computers, Materials and Continua, 74(3), pp. 5035–5048. SCOPUS-Indexed.
- Ikram, A., **Jalil, M.A.**, Ngah, A.B., Azmi, A., Alzayed, A. (2023). Project Assessment in Offshore Software Maintenance Outsourcing Using Deep Extreme Learning Machines. Computers Materials and Continua, 74(1), pp. 1871–1886. SCOPUS-Indexed.
- Lim, S.X., **Abdul Jalil, M.M.**, Virgiyanti, W., Yunus, F. Lung Cancer Detection on CT Scan Images with Deep Learning Methods: Sugeno Fuzzy Integral-Based CNN Ensemble Method. (2023). Proceedings of the 2023 International Conference on Informatics Engineering, Science and Technology (INCITEST 2023). SCOPUS-Indexed.

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