INFORMATION SYSTEMS GROUP (ISG)

TS. DR. ROSMAYATI MOHEMAD
ASSOCIATE PROFESSOR

Rosmayati Mohemad is currently an associate professor at Faculty of Computer Science and Mathematics, Universiti Malaysia Terengganu. She received her PhD degree in Computer Science from Universiti Kebangsaan Malaysia in 2013. Her research interest is in information system and knowledge engineering, specialized in decision support system, ontology modelling and text mining. This also includes research contributions in the design, development and evaluation of intelligent decision support system for analysing and improving decision-making process in various domain such as quality education, tender management, and crime investigation. She is an editor of books, conference proceedings and reviewer of international journal and established conferences.

RESEARCHER PROFILE

Scopus 24833609600

ORCID 0000-0002-5573-4293

Google scholar ROSMAYATI MOHEMAD

CONTACT

- +6019-9870602
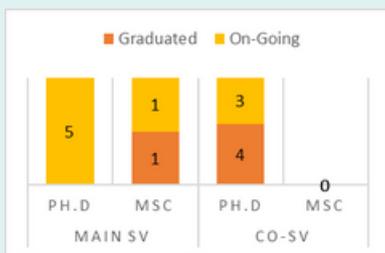- rosmayati@umt.edu.my
- fskm.umt.edu.my

EDUCATION

- PhD in Computer Science, Universiti Kebangsaan Malaysia 2013
- MSc in Computer Science, Universiti Teknologi Malaysia, 2005
- BSc in Computer Science, Universiti Teknologi Malaysia, 2003

SELECTED RESEARCH PROJECTS

- Talent And Publications Enhancement Research Grant (TAPE-RG) from Universiti Malaysia Terengganu. An ICT-Driven Framework For Course Information Development Towards Outcome-Based Education (OBE) Approach. 1/1/2024 – 31/12/2025. RM20,000.

- Fundamental Research Grant Scheme (FRGS) from Ministry of Education. A New Data Analytics Model of Unstructured Malay Text in Crime Domain. 01/2019 – 03/2022. RM76,700

- Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education. A New Ontology Model for Special Education Environment.11/2015 – 05/2018. RM79,200

AREAS OF EXPERTISE

- Information Systems
- Decision Support System
- Ontology Modelling
- Text Mining

SELECTED PUBLICATIONS

- Mamat, N. F. A., Noor, N. M. M., Mohemad, R., Mat, N. A. C., Sardorbek, D., Marxabo, and Vidanage, K. (2024). Development of Ontology for Rubric Assessment Using Methontology, (2024), Journal Of Theoretical And Applied Information Technology, 102(24), pp. 8838–8850

- Feizal, M., Mohemad, R., and Noor, N. M. M. (2024). A Systematic Literature Review on Blockchain for Implementation of Data Governance Framework. Journal of Theoretical and Applied Information Technology. 102(17), pp. 6444–6467

- Jaafar, M. J. S., Noor, N. M. M., Ali, N. H., Mohemad, R., and Mat, N. A. C. (2024). A Conceptual Architecture of Fuzzy Risk-Based Decision Support Systems (R+ DSS). Journal of Electrical Systems, 20(4s), 944-953.

- Raj, A., Noor, N. M. M., Mohemad, R., Mat, N. A. C., & Hussain, S. (2024). An Efficient Feature Selection and Extraction using Metaheuristic Technique for Diabetic Retinopathy. Journal of Electrical Systems, 20(6s), 1119-1131

- Mohemad, R., Mohd Muhait, N. N., Mohamad Noor, N. M., & Akma Mamat, N. F. (2023). A Comparative Study of Stemming Techniques on the Malay Text. International Journal of Advanced Computer Science & Applications, 14(12)

SUPERVISION

Graduated | On-Going

PH.D MAIN SV: 5, 1
MSC MAIN SV: 1
PH.D CO-SV: 3, 4
MSC CO-SV: 0

COLLABORATORS

UNIVERSITI MALAYSIA SARAWAK UNIMAS

UNIVERSITI KEBANGSAAN MALAYSIA The National University of Malaysia

UNIVERSITI TEKNOLOGI MARA

"Ilmu itu bukan yang dihafal, tetapi yang memberi manfaat."