MINISTRY OF HIGHER EDUCATION

FACULTY OF COMPUTER SCIENCE AND MATHEMATICS
UMT

DR. RABIEI MAMAT

SENIOR LECTURER

Dr. Rabiei Mamat's research focuses on soft-set extension to optimize feature selection, clutering and classification in data mining and AI applications. Main focus is to improve accuracy, robustness and adaptibility in prediction models. For UMT niche area, this research can be applied in a fields like Marine Ecology and Conservation, Fisheries and Aquaculturre Management, Oceanography and Climate Change Studies And Pollution Control and Waste Management.

RESEARCHER PROFILE

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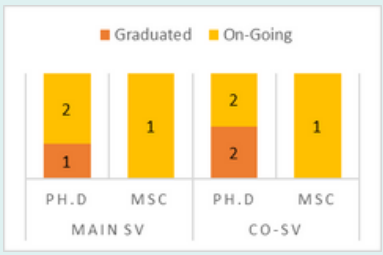
EDUCATION

- PhD in IT, University Tun Hussein Onn Malaysia, 2014
- Master in High Performance Computing, University College of Science and Technology, 2004
- BSc. in Computer Science, University Putra Malaysia, 2000

AREAS OF EXPERTISE

- Soft-Set Theory
- Rough-Set Theory
- Data Mining
- Artificial Inteligence

SUPERVISION



COLLABORATORS

UNIVERSITY OF MALAYA

SELECTED RESEARCH PROJECTS

- TPM-UMT, A new Techniques of Nasheed Song Classification by A Fuzzy Soft Set Theory, (2016- 2017). RM20K.
- TAPE-RG, UMT, A new Approach based on Possibile Equivalent Value-set and Similarity precision for better classification accuracy in Incomplete Information System. (2020-2023). RM20K

SELECTED PUBLICATIONS

- Mustafa, Asma' and Mamat, Rabiei and Nor, Ahmad Shukri Mohd (2024). SIMILARITY-BASED ROUGH SET APPROACH IN INCOMPLETE INFORMATION SYSTEM USING POSSIBLE EQUIVALENT VALUE-SET, Malaysian Journal of Computer Science.37(2),pp.169-192. Scopus
- Mamat, Rabiei and Mustafa, Asma and Nor, Ahmad Shukri Mohd and Herawan, Tutut (2023). The Possible Equivalent Value Set for Incomplete Data Set, Lecture Notes in Computer Science . 14105 LNCS, pp. 392-403. Scopus
- Al-Rawashdeh, Ghada and Mamat, Rabiei and Hafhizah Binti Abd Rahim, Noor (2019). Hybrid Water Cycle Optimization Algorithm with Simulated Annealing for Spam E-mail Detection, IEEE Access,7 pp. 143721 - 143734. Scopus