

TS. DR. ZURIANA ABU BAKAR

ASSOCIATE PROFESSOR

Associate Professor Ts. Dr. Zuriana's research focus field is Human Computer Interaction, particularly in user interface design with the aim on improving user experience. She also interested and involved in Information Systems, Decision Support Systems, and Data Mining research field.

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SELECTED RESEARCH PROJECTS

-  Talent and Publication Enhancement Grant(TAPE-RG). Universiti Malaysia Terengganu. Classification of Visual Intefface Design for Online Learning using Support vector Machines Techniques (Dec 2023 - 16 Dec 2025). RM20,000.00. Principle Researcher
-  Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education Malaysia. A New Model to Support Decision Making for Measuring Aesthetic Web Interfaces using Fuzzy Analytic Hierarchy Process (FAHP) Approach (Jan 2019 - Sept 2022). RM77,000.00. Principle Researcher
-  Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education Malaysia. An Improve Algorithm to Support Decision Making for Estimating the Time Death of Corpse of Cadaver (Dec 2014 - May 2017). RM89,900.00. Principle Researcher.

SELECTED PUBLICATIONS

-  Samar Jamal Hassan Mahmoud, Noor Maizura Binti Mohamad Noor, Zuriana Abu Bakar, Jehan Ahmad Kheiro, 2024, A Novel Approach to E-Transporting Mobile Interfaces to Individuals with Visual Impairments, Pakistan Journal of Life and Social Sciences, Vo. 22(1): 5924-5935. (Indexed by Scopus-Q3)
-  Fatin Sarah Salim, Zuriana Abu Bakar, Noor Maizura Mohamad Noor, Rosmayati Mohemad and Ily Amalina Ahmad Sabri, 2023, Aesthetic User Interfaces Ranking Using Fuzzy Analytic Hierarchy Process (FAHP) Approach, AIP Conference Proceedings, 1st International Postgraduate Conference on Ocean Engineering Technology and Informatics 2021 (IPCOETI 2021), 23 March 2023, pp. 060005-1 - 060005-9, ISBN: 978-073544436-2. (Indexed by Scopus-Q4)
-  Nor Fatin Farzana Zainuddin, Zuriana Abu Bakar, Noor Maizura Mohamad Noor and Rosmayati Mohemad, 2022, The Effect of the Aesthetically Mobile Interfaces on Students' Learning Experience for Primary Education, International Journal of Advanced Computer Science and Applications, Vol. 13 (10): 224-230. (Indexed by Scopus-Q3 & Web of Science-ESCI)
-  Zuriana Abu Bakar and Tan Zhiang, 2021, Reading Speed Performance based on Interface Design Elements for Web Interfaces, Annals of Emerging Technologies in Computing, 5(Special issue 5):146-153 (Indexed by Scopus-Q2)
-  Zuriana Abu Bakar and Ong Sze Seong, The Development of Web-Based Emotion Detection System Using Keyboard Actions (EDS-KA), 2020, International Journal on Advanced Science, Engineering and Information Technology, Vol. 10 (1): 47-57 (Indexed by Scopus-Q2)



RESEARCHER PROFILE

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EDUCATION

-  Ph.D in Computer Science (Human Computer Interaction), The University of Queensland (UQ), Australia
- M.Sc. in Computer Science, Universiti Putra Malaysia
- B.Sc. in Computer Science, Universiti Teknologi Malaysia

AREAS OF EXPERTISE

- Human Computer Interaction
- Information System
- Decision Support System
- Data Mining

SUPERVISION

