Research Grants and Publications

Research Grants:

- ✓ Geran FRGS: A New Design Model for Mobile Augmented Reality Exergame to Support Sedentary Lifestyles – RM53,000.
- ✓ Geran Putra: Effects of Spatial Conceptual Metaphor on Gesture Manipulations of Musical Objects for Music Performance in Immersive Virtual Environment – RM62,000.
- ✓ Geran Putra: The Mobile Augmented Reality Exergames Design Model in Enhancing Fitness for Novice Exercisers – RM50,000.
- ✓ Geran Putra: Web Adaptive Design Method to Support UX and Model-driven Context Senstive Adaptable User Interface for Blended Learning and Assistive Technology Application – RM49,000.
- ✓ Geran Putra IPS: An Enhance Adaptive User Model for the Development of Fully Context Sensitive User Interface – RM16,000.

Research Publications:

- ✓ "User Interface Development using Model-based Approach" – Journal of Advanced Research in Dynamical and Control Systems.
- ✓ "Designing an Expressive Virtual Kompang on Mobile Device with Tri-Axial Accelerometer" - Int. Journal of Engineering and Technology (UAE).
- ✓ "Design Models for Mobile Augmented Reality Exergames: State-of-the-Art Review" - Int. Journal of Engineering and Technology (UAE).

The Human-Computer Interaction Research Group (HCI) was officially established in FSKTM UPM to meet the demands for additional academic programmes and to keep pace with rapid developments in the respective research fields. The setting up of this research group also parallels the goal of the faculty to stay abreast of developments in Information Technology. The research group constitutes of several topic of interests (not limited to): User Experience (UX), Design Methodologies, Usability Study and Evaluation, Innovative and Interactive Learning, Multimodal Interaction and Web/Mobile Design and Development.

For More Information & Further Enquiries:

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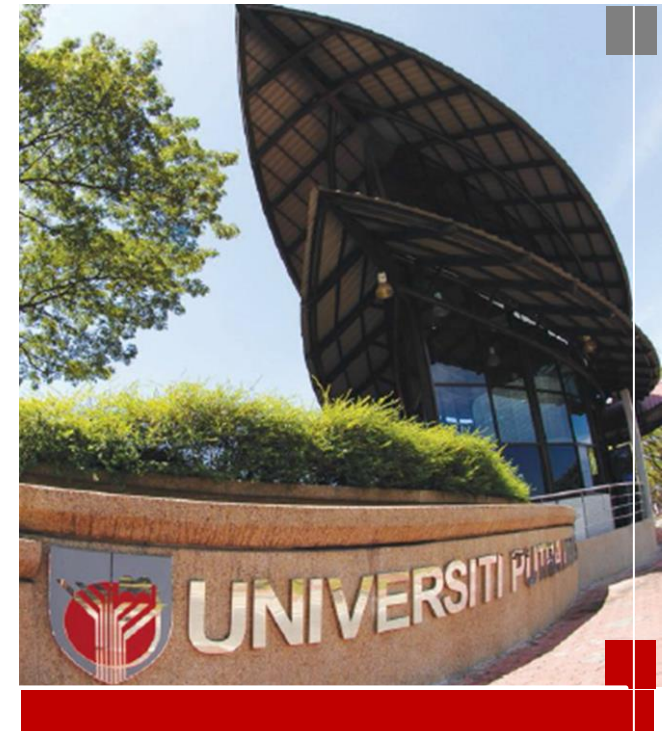(**Tel**: +603.9769 1711; **Fax**: +603.89466576)
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FACULTY OF **COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

HUMAN-COMPUTER INTERACTION

BERILMU BERBAKTI
WITH KNOWLEDGE WE SERVE

RESEARCH GROUP AND LABORATORY

HCI Research Group: Join Us Now !!!

The research group offers best quality research programmes with current and advanced topics enabling graduates to penetrate the human-computer interaction working environment. Each of the research topic in this area has their own unique strength and attraction to make the HCI domain as interesting and full of prospect as other programmes. All research topics offered are to the best quality and have been formed to complement each other in order to produce all-rounder graduates with high motivation in accordance to recent industrial demands or requirements. Joining our research group will prepare students to ideate, design, implement, and evaluate computer-based technologies for the benefit of people and community.

Upon Graduation: Graduates from the faculty have a tremendously successful rate of employment upon graduation, working in government, corporate, non-profit, or entrepreneurial pursuits. Our graduates were employed in many kinds of careers in User Experience, Usability, Interaction Design, Human Factors, Interface Design, and beyond.

Learning Environment and Facilities: The research group provide conducive laboratory facilities and a wide range of audio/visual equipments to support better learning experiences among students.

RESEARCH HIGHLIGHT: The Human-Computer Interaction (HCI) Research Group focuses on the models, theories, and practical insights of human-human interaction, human-computer interaction, and human factors in application design and development. We also addresses on world issues such as interactive technologies and its capacity to identify the needs of specific user groups such as the elderly, the disabled, and children other than general users.

Our Main Researchers:

DR. AZRUL HAZRI BIN JANTAN
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✓ User Experience and Interactive Learning
✓ Web/Mobile Design and Development
✓ User Profile / Personalization

DR. AZRINA BT KAMARUDDIN
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✓ User-Centered Design for Millennial and Elderly
✓ User Experience in Learning
✓ Technology for Vision Impairment People

DR. NORIS BT MOHD NOROWI
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✓ Multimodal Interactive Technologies
✓ Computer Music Technology
✓ Audio/Sound Cognition

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✓ Multimedia application and technologies
✓ Multimedia computing
✓ Multimodal Interactive Technologies