

Group

Objectives

1. To provide a platform for multidisciplinary research involving collaboration among experts from different fields particularly in computer science and Information Systems (IS) areas.
2. To explore potential research with other application domains, industry and government partners to develop innovative Information Technology (IT) applications.
3. To perform researchers in line with the national agenda in making meaningful contributions towards wealth, nation and human capital.



Research

Group



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Applied Informatics Research Group

AiRG



Group Overview

Applied Informatics Research Group (AiRG) is an effort to promote and develop research in the science of informatics.

The science of informatics is inherently interdisciplinary but will be given emphasis on Information System (IS) and Information Technology (IT) applications that can benefit the community of practice and society.

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Research Focus

1. The research will be carried out based on:
 - Needs/Gaps
 - Requirements
 - Issues/Problems
 - Applications
2. Output of the research will be based on:
 - Model
 - Framework
 - Methodology
 - Tools and Systems
3. Methods of research:
 - Empirical Analysis
 - Qualitative Research
 - Quantitative Research
 - Survey
 - Case Study

Research Fields

1. Data and Information Management
2. Management and Enterprise Information
3. E Commerce
4. Knowledge Management Systems
5. Knowledge Requirement and Auditing
6. ICT Services
7. Web-Based Information Systems
8. Information Systems and Business Intelligence
9. IS Project Management
10. IT Infrastructure
11. Information System Development
12. Strategic Information Systems
13. Business Process Management
14. Natural Language Information Systems
15. Social Informatics
16. Big Data Management
17. ICT Governance
18. Green Technology and Sustainability

Current Research Grants

- Cloud-based Education as a Services (CEaaS) Model for Collaborative Learning Environment in HLI (Project Leader: Prof. Dr. Rusli Abdullah)
- Exploring Porcine Element Detection (HasFSY) Machine for a Sustainable Halal Veracity (Project Leader: AP. Dr. Rodziah Atan)
- Hybrid Kernel and Sentiment Analysis for Accurate Stock Anticipation in Financial News (Project Leader: AP. Dr. Masrah Azrifah Azmi Murad)
- A Governance Framework for Collaborative KMS in MGA Using Collaborative Theory for Effective Decision Making (Project Leader: Dr. Rozi Nor Haizan Nor)
- A Performance Measurement Framework For Measuring Big Data Analytics Process (Project Leader: AP. Dr. Yusmadi Yah Jusoh)
- Ontology Based KM Framework to Enhance Enterprise Systems (ES) Software Development (Project Leader: AP. Dr. Marzanah A. Jabar)
- A Model of Reusability Optimization Using Intelligent Agent to Increase Performance in Requirement Engineering (Project Leader: AP Dr. Noraini Che Pa)
- Knowledge Transfer in Software Development Process Through Knowledge Utilization Characterizing Model to Enhance Quality Project Deliverables (Project Leader: Dr. Salfarina Abdullah)
- A Semantic Technology-based Model for Knowledge Retrieval Performance in Knowledge Management System (Project Leader: AP. Dr. Azmi Jaafar)

