

## 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 researches in line with **National Key Research Agenda (NKRA)** in creating nation's wealth.

## 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 systems (IS)* and *Information Technology (IT)* applications that can benefit the community of practice and society.

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CAPTURE INFORMATION ABOUT  
THE KNOWLEDGE AND APPLY  
INFORMATICS TO CREATE  
INTELLIGENCE THAT DRIVES  
INNOVATION TO IMPROVE  
COMMUNITY

# Applied Informatics Research Group (AiRG)

## 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** Method of Research;

- Empirical Analysis
- Qualitative Research
- Quantitative Research
- Survey
- Case Study

## RESEARCH FIELDS

1. Data and Information Management
2. Management and Enterprise Information System
3. E-Commerce
4. Knowledge Management Systems
5. Knowledge Requirements 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

## CURRENT RESEARCH GRANTS

- ♦ Ontology Driven in Virtual Community Profiling (*Project Leader: AP. 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 Knowledge Generator Model in Designing Curriculum for Higher Learning Institution in the Field of Information Technology (*Project Leader: Dr. Yusmadi Yah Jusoh*)
- ♦ Ontology Based KM Framework to Enhance Enterprise System (ES) Software Development (*Project Leader: AP. Dr. Marzanah A. Jabar*)
- ♦ Knowledge Codification and Agent Technology in Risk Assessment of IT Governance for Effective Decision Making (*Project Leader: Dr. Noraini Che Pa*)



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