RESEARCH FOCUS

DATABASE ⟩ Integrity, Access Control, Security, Integration and Extraction, Cache Management, Context-aware Query Processing, Multimedia, Ontology

DATA ⟩ Data Warehouse, Big Data Analytics, Data Mining, Data Quality, Data Integrity

MANAGEMENT ⟩ Data, Information, Knowledge, Wisdom

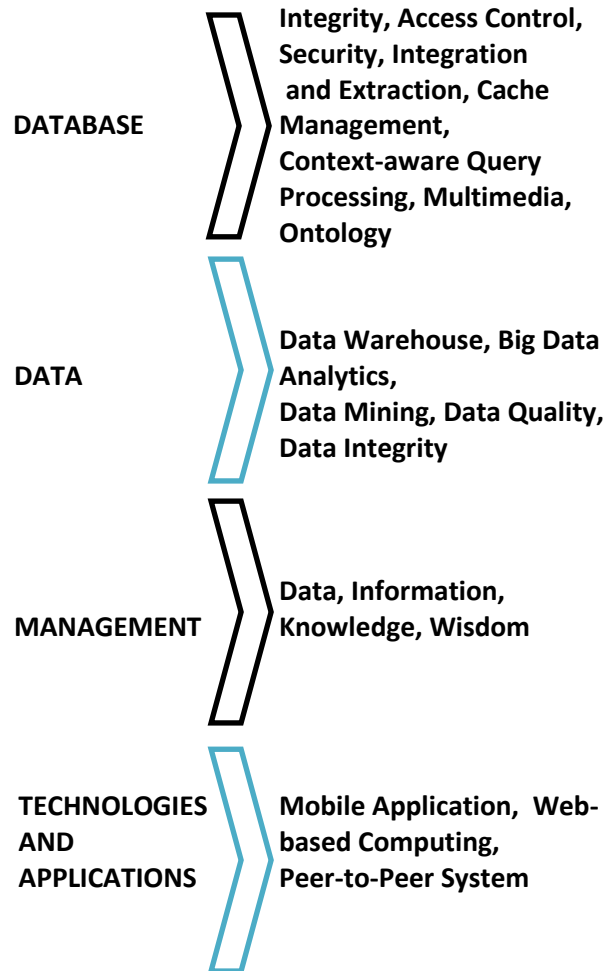**TECHNOLOGIES AND APPLICATIONS** ⟩ Mobile Application, Web-based Computing, Peer-to-Peer System

CONTACT US

For further information, please contact:
DR. ISKANDAR ISHAK
LEADER
DATABASE TECHNOLOGIES AND APPLICATIONS RESEARCH GROUP (DBTA)
FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
UNIVERSITI PUTRA MALAYSIA
43400
UPM SERDANG
SELANGOR
MALAYSIA
Email: fsktm_dbta@upm.edu.my
Website: dbta.upm.edu.my

DATABASE TECHNOLOGIES AND APPLICATIONS RESEARCH GROUP

Faculty of Computer Science and Info. Tech. UPM

DbTA
Database Technologies&ApplicationsResearchGroup
CSIT.UPM

UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

LEADER

DR. ISKANDAR ISHAK
iskandar_i@upm.edu.my
Database, Big Data
Peer-to-peer Application,
Mobile Application Technology
603-97691796

DR. SITI NURULAIN MUHD RUM
snurulain@upm.edu.my
Semantic Database, Database, Big
Data, Information Management System
Semantic Web
603-9769 1741

MEMBERS

PROF. DR. HAMIDAH IBRAHIM
hamidah.ibrahim@upm.edu.my
Database Integrity, Access Control,
Integration and Extraction,
Cache Management,
Context-aware Query Processing
603-97691713

ASSOC. PROF. DR. FATIMAH SIDI
fatimah@upm.edu.my
Data Quality, Database,
Data Warehouse,
Knowledge Management,
Data Analytics, Information Systems
603-97691734

ASSOC. PROF. DR LILLY SURIANI AFFENDEY
lilly@upm.edu.my
Multimedia Database, Data Quality,
Data Mining, Database Security,
Data Analytics
603-97691709

DR. MASLINA ZOLKEPLI
masz@upm.edu.my
Big Data Analytics,
Computational Intelligence,
Fuzzy Logic
603-97691507

> ## RECENT PROJECTS

DBTA is active in its research activities. This is shown through the amount of grants we have received in numerous research projects. Our most recent projects are:

- ▶ **Visual Analytics for Land Use Land Cover Change Management (Putra Grant Scheme – RM50,000)**
- ▶ **Infrastructure Requirement Model for University Open Research Data Repository (UORDRE) (Putra Grant Scheme – RM454, 600)**
- ▶ **A new countermeasure method to minimize consistency anomalies in heterogeneous sensor databases based on relaxed-ACID and BASE properties (FRGS – RM66, 000)**
- ▶ **National Security Threat profiling (collaboration with Cyber-Security Malaysia, MOSTI – RM142,500)**
- ▶ **A New Multidimensional Model for Data Warehouse based on Changing Requirements and Data Sources to Enhance the Quality of Logical Schema (FRGS – RM97, 000)**
- ▶ **A Novel Region-Based Surveillance Video Retrieval Model to Formulate Various Query Types Through Relevance Feedback and Bag-Of-Regions (FRGS – RM 64,000)**

> ## MISSION

DBTA's mission is to be a productive and high-repute research group in data management research locally and globally

> ## OBJECTIVE

DBTA's objective is to consistently producing highly relevant outputs in data management research