

## RESEARCH FOCUS

<b>DATABASE</b>	Integrity, Access Control, Security, Integration and Extraction, Cache Management, Context-aware Query Processing, Multimedia, Ontology
<b>DATA</b>	Data Warehouse, Big Data Analytics, Data Mining, Data Quality, Data Integrity
<b>MANAGEMENT</b>	Data, Information, Knowledge, Wisdom
<b>TECHNOLOGIES AND APPLICATIONS</b>	Mobile Application, Web-based Computing Peer-to-Peer System

## CONTACT US



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LEADER

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**DATABASE TECHNOLOGIES AND APPLICATIONS  
RESEARCH GROUP**

**Faculty of Computer Science and Info. Tech. UPM**



DBTA is the UPM's leading research group in database-related area consist of experts in the database system, theories and algorithms, technologies, and applications.

## GROUP MEMBERS AND EXPERTISE

### LEADER

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### RESEARCH PROJECTS

DBTA is active in its research activities. This is shown through the amount of grants we have received in numerous research projects with a total amount of RM700,000 between 2015-2016. The projects are:

- 1) A new countermeasure method to minimize consistency anomalies in heterogeneous sensor databases based on relaxed-ACID and BASE properties (FRGS – RM66,000)
- 2) National Security Threat Profiling (collaboration with Cyber-Security Malaysia, MOSTI – RM500,000)
- 3) A New Multidimensional Model for Data Warehouse based on Changing Requirements and Data Sources to Enhance the Quality of Logical Schema (FRGS – RM97,000)
- 4) A Novel Region-Based Surveillance Video Retrieval Model to Formulate Various Query Types Through Relevance Feedback and Bag-Of-Regions (FRGS – RM 64,000)
- 5) Manipulative Text Detection Model Using Classification For Data Veracity In Digital News Portal, Putra Grant (UPM), RM 20,000

### OBJECTIVE

DBTA's objective is to produce highly relevant and critical database-related research output.

### MISSION

DBTA's mission is to be among the top database research group that will continuously producing highly impact research outputs