



**Chairperson**

**Center for Artificial Intelligence Technology (CAIT)**

Fakulti Teknologi dan Sains Maklumat

Universiti Kebangsaan Malaysia

43600 UKM Bangi, Selangor Darul Ehsan, Malaysia

☎ 03-8921 6089 / 6094 / 6082 / 6758

☎ 03-8921 6094

✉ enquiry\_cait@ukm.edu.my



[www.ftsm.ukm.my/cait](http://www.ftsm.ukm.my/cait)



UNIVERSITI  
KEBANGSAAN  
MALAYSIA  
*The National University  
of Malaysia*

**FAKULTI TEKNOLOGI  
DAN SAINS MAKLUMAT**  
*Faculty of Information Science  
and Technology*

CENTER FOR  
**ARTIFICIAL  
INTELLIGENCE  
TECHNOLOGY**

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## INTRODUCTION

The Center for Artificial Intelligence Technology (CAIT) is a center of excellent at the Faculty of Information Science and Technology of Universiti Kebangsaan Malaysia. The center's main purpose is the application of Artificial Intelligence techniques and methods to support various disciplines through research, teaching and consultancy. Among our current fully funded researches are:

1. Development of Novel Computational Optimisation Algorithms and Their Application in Industries.
2. Surjective Fuzzy Dissimilarity Algorithm for Medical Image Analysis.
3. Mobile Sensing Technology for Augmented Reality and Medical Application.
4. Diagnostic Services Nexus for Breast Cancer.
5. UKM Mobile App
6. Solving Combinatorial Optimisation with Aoristic Problems using Hyper-Heuristic Approaches



### CHAIRPERSON of CAIT

Assoc. Prof. Dr. Shahnorbanun Sahran  
shahnorbanun@ukm.edu.my  
+603 - 8921 6086

## STRENGTH

As a nonprofit research institute, CAIT can carry out comprehensive and effective long-term programs. CAIT permanent staffs comprises of 12 highly trained computing professionals in the country. They are supported by more than thirty research assistants form various countries working towards their research degrees. Since its inception, CAIT has managed to forge and maintain close associations with universities and other research group. Through this links. CAIT accosionally receive foreign visiting professors to nurture the simulation and creative exchange of ideas. At the same time, our researchers reciprocate by participating in ongoing projects abroad.

## MAIN RESEARCH FOCUS

CAIT is active in many major areas of AI. However, our main research activities centre around nine research labs:

- Applied Ontology and Semantic (ONTOS)
- Asian Natural Language Processing (ASLAN)
- Autonomous Robot and Vision Systems (ARVIS)
- Data Mining and Optimization (DMO)
- Innovative and Computing Technology (ICTech)
- Medical Computing (MC)
- Machine Learning (ML)
- Sentiment Analysis (SA)
- Mixed Reality and Pervasive Computing (MyXLab)

## HEAD OF LABS



Dr. Saldah Saad  
(ONTOS)



Dr. Lallatul Qadri Zakaria  
(ASLAN)



Dr. Abdul Hadi Abd  
Rahman (ARVIS)



Assoc. Prof. Dr. Mohammad  
Khatim Hasan (IC)



Assoc. Prof. Dr. Zulailha Ali  
Othman (DMO)



Prof. Dr. Hasilna  
Arshad (MyXLab)



Assoc. Prof. Dr. Azizi  
Abdullah (ML)



Dr. Mohd Ridzwan  
Yaakub (SA)



Dr. Afzan Adam  
(MC)