

# RAINI BINTI HASSAN



- KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
- IIUM Gombak Campus
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## المؤهل العلمي

- Doctor of Philosophy (Computer Science)
- Master of Science in Computer Science
- Bachelor of Science with Honours (Information Technology)

## مسؤوليات التدريس

BIG DATA ANALYTICS	2017/2018 2018/2019 2019/2020
DATA SCIENCE	2017/2018 2018/2019 2019/2020 2020/2021
DATATHON AND BOOTCAMP	2019/2020
ELEMENTARY STATISTICS	2014/2015 2015/2016
ELEMENTS OF PROGRAMMING	2014/2015
FINAL YEAR PROJECT	2017/2018
FINAL YEAR PROJECT 1	2005/2006
FINAL YEAR PROJECT I	2017/2018 2019/2020
FINAL YEAR PROJECT II	2006/2007 2019/2020 2020/2021
INDUSTRIAL ATTACHMENT	2006/2007 2014/2015 2015/2016 2016/2017 2017/2018
INTRODUCTION TO COMPUTER ORGANISATION	2005/2006
INTRODUCTION TO COMPUTER ORGANIZATION	2005/2006 2006/2007 2007/2008 2014/2015 2015/2016
PRINCIPLES OF ARTIFICIAL INTELLIGENCE	2005/2006
PRINCIPLES OF ARTIFICIAL INTELLIGENCE(AI)	2005/2006
PROBABILITY AND STATISTICS	2015/2016 2016/2017 2017/2018 2018/2019
STRUCTURED PROGRAMMING LANGUAGE	2006/2007 2007/2008
UNSTRUCTURED DATA ANALYTICS	2018/2019 2019/2020 2020/2021

## المشاريع البحثية

### In Progress

- 2019 - Present** A Framework for the Detection of Intelligent Source Code Plagiarism in Big Data using Word2vec Model
- 2019 - Present** Human Factors Model to Improve Information Visualization Reporting for Big Data Analytics
- 2016 - Present** Analysis of ZUC Cipher in Mobile Communication
- 2016 - Present** Development of an Evolving Neuro-Cognitive Computational Model Based on Event-Related Potentials for Healthy Lifestyle Profiling
- 2016 - Present** Development of an Evolving Neuro-Cognitive Computational Model Based on Event-Related Potentials for Healthy Lifestyle Profiling
- 2015 - Present** An Online Computational Modeling for EcoS Feature Selection in Traffic Volumes Prediction
- Unknown - Present** A Framework for the Detection of Intelligent Source Code Plagiarism in Big Data using Word2vec Model

### Completed

- 2017 - -1** Development of Teaching Modules on the Subject of Computer Science Form 5 for MDeC and MOE
- 2016 - 2018** Analysis of ZUC Cipher in Mobile Communication
- 2015 - 2019** An Online Computational Modeling for EcoS Feature Selection in Traffic Volumes Prediction
- 2013 - 2016** Visualization of Emotional Dynamic on Brain Topology using Neural Inspired Computational Model
- 2007 - 2011** ICT Workforce and Employability Trends: The Perspective of Employers in Malaysia

## المنشورات

### Article

- 2019** [Emotional profiling through supervised machine learning of interrupted EEG interpolation.](#) International Journal of Advanced Computer Research , 9 (43) pp.242-251
- 2019** [Brain and artificial intelligence: from the viewpoint of spontaneous and task-evoked brain dynamics.](#) Journal of Computational and Theoretical Nanoscience , 16 (3) pp.1081-1092
- 2018** [Detection and restoration of cracked digitized paintings and manuscripts using image processing.](#) International Journal of Engineering & Technology , 7 (2.34) pp.39-43

**2017** [Input significance analysis: feature ranking through synaptic weights manipulation for ANNS-based classifiers.](#) Journal of Fundamental and Applied Sciences , 9 (4S) pp.639-662

**2017** [Input significance analysis: Feature selection through synaptic weights manipulation for EFuNNs classifier.](#) Journal of Fundamental and Applied Sciences , 9 (4S) pp.681-709

**Conference or Workshop Item**

**2014** [Feature ranking through weights manipulations for artificial neural networks-based classifiers.](#) In: **2014 Fifth International Conference on Intelligent Systems, Modelling and Simulation (ISMS 2014)**

**2013** [Setting-up a sulh-based, community mediation-type of online dispute resolution \(ODR\) in Malaysia.](#) In: **5th International Conference on Information and Communication Technology for the Muslim World**

**Book**

**Book Section**