



UNIVERSITI TEKNOLOGI MARA

CSC792: WEB INTELLIGENCE

Course Name (English)	WEB INTELLIGENCE APPROVED
Course Code	CSC792
MQF Credit	3
Course Description	Ever increasing influx of information on the web has provided immense source of information. It is thus important to construct intelligent and innovative web technology to satisfy the need of future generations. This course covers all aspects of designing intelligent web technology
Transferable Skills	Problem solving skills developed through tests, assignments and projects.
Teaching Methodologies	Lectures, Discussion
CLO	CLO1 Identify problems within web intelligence CLO2 Formulate problems within web intelligence CLO3 Distinguish artificial intelligence techniques CLO4 Evaluate intelligence methods in web management tasks CLO5 Apply intelligence methods in web management tasks
Pre-Requisite Courses	No course recommendations
Topics	
1. History and evolution of Web intelligence 1.1) Dimension 1.2) Behavior	
2. Fuzzy Web intelligence 2.1) Model 2.2) Fuzzy Compensation Principles 2.3) Fuzzy Reasoning Methodology	
3. Neural Web intelligence 3.1) Principle 3.2) Intelligent Source	
4. Evolutionary Web intelligence 4.1) Technology 4.2) Relationship Evolutionary 4.3) Emerging technologies	
5. Hybrid intelligent systems 5.1) Combination of methods and techniques 5.2) Operation	
6. Researches in Web intelligence 6.1) Current trend	

Assessment Breakdown		%		
Continuous Assessment		100.00%		
Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Assignments	20%	CLO1
	Final Test	Test 2	25%	CLO4
	Group Project	Project	20%	CLO5
	Quiz	Quiz	10%	CLO2
	Test	Test 1	25%	CLO3
Reading List	Reference Book Resources	<ul style="list-style-type: none"> • Juan D. Velásquez, Lakhmi C. Jain. 2010, <i>Advanced Techniques in Web Intelligence</i> • Stephen Marsland. 2009, <i>Machine Learning: An Algorithmic Perspective</i>, 1st Ed., Chapman and Hall • Haralambos Marmanis, Dmitry Babenko 2009, <i>Algorithms of the Intelligent Web</i>, 1st Ed., Manning Publications • Satnam Alag 2008, <i>Collective Intelligence in Action</i>, Manning Publications • Yan-Qing Zhang, A. Kandel , T. Y. Lin, Y. Y. Yao. 2004, <i>Computational Web Intelligence: Intelligent Technology for Web Applications</i> 		
Article/Paper List	This Course does not have any article/paper resources			
Other References	This Course does not have any other resources			