UNIVERSITI TEKNOLOGI MARA

CSC735: SEMINAR IN COMPUTER SCIENCE

Course Name (English)	SEMINAR IN COMPUTER SCIENCE `APPROVED`
Course Code	CSC735

MQF Credit	2

Course Description	The course aims to explore technical related topics in computing science. It helps the students to critically review, assess, and update with current developments in the fields. The course also provides a platform for the students to organize events such as workshops, seminars, forums, field trips and etc. The events are closely related to entrepreneurship in computing. Experts from industry and other agencies will be invited to share their experiences and knowledge. Besides, this course is able to prepare the students in their careers advancement by encouraging teamwork, communication skill, leadership and professionalism in organizing the events. The students have to work together to plan and organise events that bring beneficial to other students and faculty's members. This course will strengthen the linkages among lecturers, students and industry players.

Transferable Skills	Demonstrate ability to manage personal performance to meet expectations and demonstrate drive, determination, and accountability.

Teaching Methodologies	Lectures, Blended Learning

CLO	CLO1 Explain on elective topics and interrelationships in computing science field. CLO2 Integrate entrepreneurial mind in computing related business. CLO3 Demonstrate teamwork in organizing computing related events.

Pre-Requisite Courses	No course recommendations

Topics
1. Current Emerging Technology 1.1) Internet of things 1.2) Mobile cloud computing 1.3) Social data analytics
2. Entrepreneur in Computing 2.1) Learn to be technopreneur 2.2) Technopreneur opportunity and challenge
3. Professionalism in Computing 3.1) Journey to computing professional 3.2) Computing professional excellence
4. Ethical in Computing 4.1) Balance of software quality and ethic 4.2) Best practices of ethical computing
5. PhD Knowledge Sharing 5.1) Conduct a research in PhD 5.2) Challenges in research
6. Critical Research Areas and Gaps 6.1) Current critical research area 6.2) Methods in finding the research gaps

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Assignment 1	20%	CLO1
	Assignment	Assignment 2	20%	CLO2
	Case Study	Case study on critical research areas and gaps.	20%	CLO3
	Seminar	Event Management	40%	CLO3

Reading List	Recommended Text	• A McEwen, H Cassimally 2014, *Designing the Internet of THings*, John Wiley and Sons [ISBN: 978111843063]
	Reference Book Resources	• F. Richard Yu,Victor Leung 2015, *Advances in Mobile Cloud Computing Systems*, 9, CRC Press Florida [ISBN: 9781498715140]
		• Samuel Greengard 2015, *The Internet of Things*, MIT Press [ISBN: 9780262527736]
		• Krish Krishnan,Shawn P. Rogers 2014, *Social Data Analytics*, 10, Newnes [ISBN: 9780123977809]
		• Shelters, D. 2013, *Start-Up Guide for the Technopreneur: Financial Planning, Decision Making and Negotiating from Incubation to Exit, + Website*, John Wiley and Sons [ISBN: 9781118518]
		• Bynum, T.W. 2003, *Computer Ethics and Professional Responsibility*, Wiley-Blackwell [ISBN: 9781855548]
		• Penny Duquenoy,Simon Jones,Barry G. Blundell 2008, *Ethical, Legal and Professional Issues in Computing*, Cengage Learning EMEA United Kingdom [ISBN: 1844807495]
		• Campbell, F., Robinson, A., Brown, S., and Race, P. 2003, *Essential Tips for Organizing Conferences & Events*, 1st Ed., Kogan Page Limited United Kingdom [ISBN: 978074944039]
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	