

 <p>UNIVERSITI TEKNIKAL MALAYSIA MELAKA</p>	<div>Teaching Plan</div> <div>FAKULTI TEKNOLOGI MAKLUMAT DAN KOMUNIKASI</div> <div>UNIVERSITI TEKNIKAL MALAYSIA MELAKA</div>	
DIPLOMA PROJECT		
DITU 3964	SEMESTER 1	SESSION 2022/2023

DITU 3964 DIPLOMA PROJECT (4, 0, 9)

TYPE OF COURSE: P

EDITION: 1

UPDATED: 03-10-2022

1.0 LEARNING OUTCOMES

Upon completion of this course, students will be able to:

- CLO 1** Identify problems related to industrial needs in the ICT domain. (C1)
- CLO 2** Complete the development of a computer system using relevant project management methods. (A3, LL2)
- CLO 3** Organize information to produce a formal report. (P4)
- CLO 4** Present a completed project. (CTPS1, CS1)

2.0 SYNOPSIS

Diploma project trains the students to practice their knowledge by undertaking a project. The students are exposed to real system development environment in which they will have to analyze and solve system related problems, plan and develop the system as well as to meet the design and analysis requirements using appropriate computer programming language.

3.0 PRE-REQUISITE

DITU 3933 - System Development Workshop

4.0 PRACTICAL

Any software and hardware is allowed to develop the final project. Students are allowed to use their personal computer for project development.

5.0 REFERENCES

- [1] Bachelor Final Year Project and Diploma Project Committee, "Diploma Project Handbook", 5th Edition (2014), FTMK, Universiti Teknikal Malaysia Melaka.

6.0 COURSE IMPLEMENTATION

Supervision and Practical

- 9 hours per week for 8 weeks

7.0 COURSE EVALUATION

Assessment Method	LO 1	LO 2	LO 3	LO 4	Scheme, Rubric / guideline
Progress Reporting (4) = 30%	Progress 1 (5%), Progress 2 (10%)	Progress 3 (5%), Progress 4 (10%)			Project Diploma Evaluation Form (xlsx), 2014, ver1.5
Project Outcome (System Demonstration) = 30%		System Demo, Part A (15%)		System Demo, Part B (15%)	Project Diploma Evaluation Form (xlsx), 2014, ver1.5
Project Report = 30%			Final Report (30%)		Project Diploma Evaluation Form (xlsx), 2014, ver1.5
Final Presentation = 10%				Present (10%)	Project Diploma Evaluation Form (xlsx), 2014, ver1.5
Total	15%	30%	30%	25%	

8.0 STUDENT LEARNING TIME (SLT)

		Guided Learning Time				Independent Learning								Assessment Time				
Week	CLO	L	T	P	O	L	T	P	O	F	T	A	O	F	T	A	O	SLT
W1	0	1	0	0	0	1	0	0	14	0	0	0	4	0	0	0	1	12
W2	0	1	0	0	0	1	0	0	14	0	0	0	4	0	0	0	1	12
W3	0	1	0	0	0	1	0	0	14	0	0	0	4	0	0	0	1	12
W4	0	1	0	0	0	1	0	0	14	0	0	0	4	0	0	0	1	12
W5	0	1	0	0	0	1	0	0	14	0	0	0	4	0	0	0	1	12
W6	0	1	0	0	0	1	0	0	14	0	0	0	4	0	0	0	1	10
W7	0	1	0	0	0	1	0	0	14	0	0	0	4	0	0	0	1	10
W8	0	0	0	0	0	0	0	0	13	0	0	0	4	0	0	0	0	10
W9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Overall		7	0	0	0	7	0	0	111	0	0	0	28	0	0	0	7	160
																SLT Credit Equivalent		4.00

9.0 DETAILED SYLLABUS AND TEACHING PLAN

Week	Session	Contents	References	Delivery Method
1	Meeting 1	<ul style="list-style-type: none"> Briefing to the students and the students begin to complete the PD title. Action: Students	[1] Parts 1 & 3	Briefing, Supervisory Meeting
2	Meeting 2	<ul style="list-style-type: none"> Give the complete title of the proposal to the supervisor for approval. Action: Students <ul style="list-style-type: none"> Final review and submit the agreed proposed title to the Committee. Action: Supervisor / Students	[1] Parts 1 & 3	Supervisory Meeting
3	Meeting 3	<ul style="list-style-type: none"> Build and complete project planning. Evaluation of progress 1 PD. Action: Students & Supervisor	[1] Parts 1 & 2	Supervisory Meeting
4&5	Meeting 4	<ul style="list-style-type: none"> Construction and completion of the project introduction, development planning and system analysis reports (Chapters 1, 2, 3) Evaluation of progress 2 PD Action: Students & Supervisor	[1] Parts 1 & 2	Supervisory Meeting
6&7	Meeting 5	<ul style="list-style-type: none"> System design and complete the system design report (Chapter 4) Evaluation of progress 3 PD Action: Students & Supervisor	[1] Parts 1 & 2	Supervisory Meeting
MID SEMESTER BREAK				
8 & 9		<ul style="list-style-type: none"> Continue system implementation Action: Students <ul style="list-style-type: none"> Evaluation of project performance and progress Action: Supervisor	[1] Part 1	Independent Learning
10&11		<ul style="list-style-type: none"> Continue system implementation Action: Students <ul style="list-style-type: none"> Evaluation of project performance and progress Action: Supervisor	[1] Part 1	Independent Learning

12&13	Meeting 6	<ul style="list-style-type: none"> System implementation and completion of system implementation report (Chapter 5) Evaluation of progress 4 PD Action: Students & Supervisor	[1] Parts 1 & 2	Supervisory Meeting
14	Meeting 7	<ul style="list-style-type: none"> Completion and submission of a full report to the supervisor and assessor Action: Students <ul style="list-style-type: none"> Presentation schedule released Action: Committee	[1] Parts 1 – 3	Supervisory Meeting
15	Presentation & Demonstration	<ul style="list-style-type: none"> Presentation and assessment Action: Students, Supervisor & Assessor	[1] Part 1	Presentation, System Demo
16		<ul style="list-style-type: none"> Correction of the draft report based on comments by the supervisor and assessor during the PD presentation session Action: Students & Supervisor <ul style="list-style-type: none"> End of Semester Survey Action: Committee, Students <ul style="list-style-type: none"> Submission of the final complete report (the updated and corrected PD report) and logbook onto the ulearn system. Action: Students & Faculty Administration <ul style="list-style-type: none"> Submission of overall marks to the Committee Action: Supervisor	[1] Parts 1 – 3	
17		<ul style="list-style-type: none"> Submission of the final complete report (the updated and corrected PD report), logbooks, source codes and presentation slides into the Supervisors' OneDrive. Action: Students & Supervisors	[1] Parts 1 – 3	

10.0 MATRIX OF LEARNING OUTCOMES

SUBJECT vs PROGRAM OUTCOME (PO)

Subject	PROGRAM OUTCOME (PO)								
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
DITU3964		X			X				X

COURSE LEARNING OUTCOME (CLO) vs PROGRAM OUTCOME (PO)

CLO	PROGRAM OUTCOME (PO)								
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CLO1		X							
CLO2									X
CLO3					X				
CLO4		X							

COURSE LEARNING OUTCOME (CLO)

CLO1	Identify problems related to industrial needs in the ICT domain. (C1)
CLO2	Complete the development of a computer system using relevant project management methods. (A3, LL2)
CLO3	Organize information to produce a formal report. (P4)
CLO4	Present a completed project. (CTPS1,CS1)

SUBJECT vs SOFT SKILLS

Subject	SOFT SKILLS																								
	communication skill					critical thinking & problem solving					teamwork			lifelong learning			entrepreneurship skills			Ethics & moral professionalism			leadership skills		
	CS1	CS2	CS3	CS4	CS5	CTPS1	CTPS2	CTPS3	CTPS4	CTPS5	TS1	TS2	TS3	LL1	LL2	LL3	ES1	ES2	ES3	EM1	EM2	EM3	LS1	LS2	LS3
DITU3964	X					X	X							X											

COURSE LEARNING OUTCOME (CLO) vs SOFT SKILLS

CLO	SOFT SKILLS																								
	communication skill					critical thinking & problem solving					teamwork			lifelong learning			entrepreneurship skills			ethics & moral professionalism			leadership skills		
	CS1	CS2	CS3	CS4	CS5	CTPS1	CTPS2	CTPS3	CTPS4	CTPS5	TS1	TS2	TS3	LL1	LL2	LL3	ES1	ES2	ES3	EM1	EM2	EM3	LS1	LS2	LS3
CLO1																									
CLO2															X										
CLO3																									
CLO4			X				X																		

SUBJECT vs TAXONOMY

Subject	Taxonomy																	
	Affective					Cognitive						Psychomotor						
	A1	A2	A3	A4	A5	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7
DITU3964	X	X	X			X						X	X	X	X			

COURSE LEARNING OUTCOME (LO) vs TAXONOMY

CLO	Taxonomy																	
	Affective					Cognitive						Psychomotor						
	A1	A2	A3	A4	A5	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7
CLO1						X												
CLO2	X	X	X															
CLO3												X	X	X	X			
CLO4																		

TEACHING PLAN APPROVAL

Prepared by:

Approved by:

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Name:

.....
Dean/Deputy Dean (Academic)/HOD

Stamp:

Stamp:

Date: _____

Date: _____

TEACHING PLAN IMPLEMENTATION (MID SEMESTER BREAK)

Comment:

Checked by:

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Dean/Deputy Dean (Academic)/HOD

Stamp:

Date: _____

TEACHING PLAN IMPLEMENTATION (WEEK 16)

Comment:

Checked by:

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Dean/Deputy Dean (Academic)/HOD

Stamp:

Date: _____