1	Course Name:	Project II				
	Course Code:	BACS3413				
	Course Classification:	Major (core)				
2	Synopsis:	This course provides opportunity to the students to apply their programming/technical skills to develop system prototypes/proof of concept that closely meet the system requirements and system designs that have been done in BACS3403 Project I from the previous semester. They may apply the knowledge of various fields, such as database, Web technology and networking technology, and use appropriate system development tools to produce a working or prototype system/proof of concept. System testing should also be performed to ensure the accuracy and reliability of the system. For research based projects, possible proof of concepts testing is to be conducted to confirm the feasibility of proposed solutions. Lastly, complete project documentation must be produced.				
3	Name(s) of Academic Staff:	1	Refer to timetable			
		2				
		3				
4	Semester and Year offered:	Year Offered		Semester		*Remarks: Refer to Programme Structure*
5	Credit Value:	3				
6	Pre-requisite/ co-requisite (if any):	BACS3403 Project I				

7 Course Learning Outcomes (CLO)

CLO1	Produce a working system, prototype, or proof of concept, which closely meets the proposed system requirements and design using appropriate system development tools (P4, PLO3)
CLO2	Analyse the completed project in terms of its processes and the developed product. (C4, PLO2)
CLO3	Present the outcome/findings of the project (A3, PLO5)
CLO4	Demonstrate their personal development in terms of responsibilities (A4, PLO8)

8 Mapping of the Course Learning Outcomes to the Programme Learning Outcomes, Teaching Methods and Assessment Methods

Course Learning Outcomes	Programme Learning Outcomes (PLO)												Teaching Methods	Assessment Methods
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11			
CLO1			√										O, NF2F	System/Prototype/Proof of Concept
CLO2		√											O, NF2F	Final Year Project Documentation
CLO3					√								O, NF2F	Presentation/Pitching
CLO4								√					O, NF2F	Progress Review
Mapping with MQF Cluster of Learning Outcomes		C2	C3A		C3C			C3F						

Indicate the primary causal link between the CLO and PLO by ticking 'v' in the appropriate box.

C1 = Knowledge & Understanding, **C2** = Cognitive Skills, **C3A** = Practical Skills, **C3B** = Interpersonal Skills, **C3C** = Communication Skills, **C3D** = Digital Skills, **C3E** = Numeracy Skills, **C3F** = Leadership, Autonomy & Responsibility, **C4A** = Personal Skills, **C4B** = Entrepreneurial Skills, **C5** = Ethics & Professionalism

9 Transferable Skills (if applicable)

(Skills learned in the course of study which can be useful and utilized in other settings)

1	Cognitive skills
2	Communication Skills

3	Leadership, Autonomy and Responsibility

Open-ended response (if any)

4	

10 Distribution of Student Learning Time (SLT)

Note: This SLT calculation is designed for home grown programme only.

	Course Content Outline and Subtopics	CLO*	Learning and Teaching Activities**									Total SLT
			Face-to-Face (F2F)								NF2F Independent Learning (Asynchronous)	
			Physical				Online/ Technology-mediated (Synchronous)					
			L	T	P	O	L	T	P	O		
1	System/prototype development/proof of concept	1	-	-	-	2					55	
2	System Testing	3	-	-	-	1					16	
3	Preview and Assessment	4	-	-	-	4					22	
4	Final Documentation	2	-	-	-	-					20	
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
											SUB-TOTAL SLT:	**120**

	Continuous Assessment	%	Face-to-Face (F2F)		NF2F Independent Learning for Assessment (Asynchronous)
			Physical	Online/ Technology-mediated (Synchronous)	
1	System/Prototype/Proof of Concept	50			
2	Final Year Project Documentation	30			
3	Presentation/Pitching	10			
4	Progress Review	10			
5					
					SUB-TOTAL SLT: **0**

			Face-to-Face (F2F)		NF2F

	Final Assessment	%	Physical	Online/ Technology-mediated (Synchronous)	Independent Learning for Assessment (Asynchronous)	
1						
2						
3						
4						
5						
					SUB-TOTAL SLT:	**0**
					SLT for Assessment:	0
					GRAND TOTAL SLT:	120
A					% SLT for F2F Physical Component: *[Total F2F Physical /(Total F2F Physical + Total F2F Online + Total Independent Learning) x 100)]*	5.83
B					% SLT for Online & Independent Learning Component: *[(Total F2F Online + Total Independent Learning) /(Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]*	**94.17**
C					% SLT for All Practical Component: *[% F2F Physical Practical + % F2F Online Practical]*	**0.00**
C1					% SLT for F2F Physical Practical Component *[Total F2F Physical Practical /(Total F2F Physical + Total F2F Online + Total Independent Learning) x 100)]*	**0.00**
C2					*% SLT for F2F Online Practical Component* *[Total F2F Online Practical / (Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]*	**0.00**

Please tick (√) if this course is **Industrial Training/ Clinical Placement/ Practicum** using 50% of Effective Learning Time (ELT)

Note:

* Indicate the CLO based on the CLO's numbering in Item 8

** For ODL programme: Courses with mandatory practical requiremnets imposed by the programme standards or any related standards can be exempted from complying to the minimum 80% ODL delivery rule in the SLT.

11	Identify special requirement or resources to deliver the course (e.g., software, nursery, computer lab, simulation room etc)	Nil
12	References (include required and further readings, and should be the most current)	**Main references supporting the course** 1. Tsui, F., Karam, O., & Bernal, B. (2023). *Essentials of Software Engineering* (5th ed.). Jones & Bartlett Learning. https://tarcez.tarc.edu.my/login?url=https://search.ebscohost.com/login.aspx?direct=true&scope=site&db=nlebk&db=nlabk&AN=3135670 2. Adams, K. A., & McGuire, E. K. (2023). *Research Methods, Statistics, and Applications* (3rd ed.). Sage. 3. Sundaramoorthy, S. (2022). *UML diagramming : a case study approach* . CRC Press. https://tarcez.tarc.edu.my/login?url=https://search.ebscohost.com/login.aspx?direct=true&scope=site&db=nlebk&db=nlabk&AN=3178384
13	Other additional information (if applicable)	Nil

Note: Number of PLO indicated is purely for illustration purposes only and the number is subjected to the curriculum design.