

# IS4938: INFORMATION SYSTEMS PROJECT II

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## Effective Term

Semester A 2024/25

## Part I Course Overview

### Course Title

Information Systems Project II

### Subject Code

IS - Information Systems

### Course Number

4938

### Academic Unit

Information Systems (IS)

### College/School

College of Business (CB)

### Course Duration

Non-standard Duration

### Other Course Duration

(minimum 160 hours)

### Credit Units

3

### Level

B1, B2, B3, B4 - Bachelor's Degree

### Medium of Instruction

English

### Medium of Assessment

English

### Prerequisites

IS4937 Information Systems Project I

### Precursors

Nil

### Equivalent Courses

Nil

### Exclusive Courses

IS4931 Information Management Development Project

## Part II Course Details

### Abstract

This course aims to equip students with knowledge and skills to apply IS methodologies to solve business problems. Students will learn how to initiate a project, conduct literature reviews and benchmark analysis, implement an IS project, and write a project report for their internship, consulting and research projects. It is to enhance student's practical skills in managing projects in a business information systems environment. Furthermore, students' skills in effective communication, individual and team work, time management, data analysis and reporting, and creative problem solving will be trained in the real-world and evaluated for improvement. Students taking this course should have completed IS4937 and should already possess a fair amount of practical experience in the application, consultancy and/or research of information systems in a business setting.

### Course Intended Learning Outcomes (CILOs)

CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3	
1	Formulate an information systems project in a business setting in the form of internship, consulting or research projects.	20	x	x	
2	Create the attitude and ability to apply various design methodologies to model user requirement and propose innovative business solutions.	20	x	x	
3	Demonstrate creative problem solving skills in developing detailed business solutions.	20	x	x	
4	Apply the concepts and techniques of project management to initiate, plan, execute, control and close information systems development or management projects.	20	x	x	x
5	Apply good communication and interpersonal skills in eliciting user requirements and in presenting detailed business solutions.	20		x	

#### A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

#### A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

#### A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

### Learning and Teaching Activities (LTAs)

	<b>LTAs</b>	<b>Brief Description</b>	<b>CILO No.</b>	<b>Hours/week (if applicable)</b>
1	LTA1: Field Study	Students will spend reasonable amount of time at real-world organisations to observe, analyse, and document the socio-technical problems associated with the implementation or management of business information systems. In addition, students will propose appropriate business solutions to address the business challenges of the real-world organisations.	1, 2, 3, 4, 5	
2	LTA2: Case Study	Students will observe, analyse, and document the socio-technical problems associated with the implementation or management of business information systems based on the information given by some real-world organisations.	1, 2, 3, 4, 5	
3	LTA3: On-Line Discussion	Students will have a chance to self-reflect and share the concepts, techniques, and methods associated with the implementation or management of business information systems.	2, 3, 4, 5	
4	LTA4: Seminar	Students will discuss their findings and the detailed designs of some business solutions with fellow students and the project supervisors.	2, 3, 4, 5	

**Assessment Tasks / Activities (ATs)**

	<b>ATs</b>	<b>CILO No.</b>	<b>Weighting (%)</b>	<b>Remarks (e.g. Parameter for GenAI use)</b>
1	AT1.Project DiaryA self-reflection of the problems encountered and the insights developed by individual students during the course of their project study.	1, 2, 3, 4, 5	20	

2	AT2.Project Report A formal documentation of how an IS project is conducted, the socio-technical issues observed from the targeted business environment, and the detailed IS solutions to address the specific business problems.	1, 2, 3, 4, 5	60	
3	AT3.Project Presentation A formal presentation to communicate the business problems identified and the detailed design of the business solution to the project supervisors.	1, 2, 3, 5	20	

**Continuous Assessment (%)**

100

**Examination (%)**

0

**Assessment Rubrics (AR)****Assessment Task**

AT1.Project Diary

**Criterion**

Ability to thoroughly identified and analysed the socio-technical issues of the problem domain

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

**Assessment Task**

AT1.Project Diary

**Criterion**

Ability to synthesis sound system design methodologies and applied to develop the detailed design of a business solution

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT1.Project Diary

**Criterion**

Ability to creatively develop the detailed design of a business solution based on the characteristic of the given business problem

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT1.Project Diary

**Criterion**

Ability to demonstrate sound project management methodology is thoroughly and creatively applied to drive the consulting project

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT1.Project Diary

**Criterion**

Ability to integrate communication skills so that ideas are communicated in the most cost-effective way

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT2.Project Report

**Criterion**

Ability to thoroughly identified and analysed the socio-technical issues of the problem domain

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT2.Project Report

**Criterion**

Ability to synthesis sound system design methodologies and applied to develop the detailed design of a business solution

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

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**Assessment Task**

AT2.Project Report

**Criterion**

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**Criterion**

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**Assessment Task**

AT2.Project Report

**Criterion**

Ability to integrate communication skills so that ideas are communicated in the most cost-effective way

**Excellent (A+, A, A-)**

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Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT3.Project Presentation

**Criterion**

Ability to thoroughly identified and analysed the socio-technical issues of the problem domain

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic



**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT3.Project Presentation

**Criterion**

Ability to synthesis sound system design methodologies and applied to develop the detailed design of a business solution

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT3.Project Presentation

**Criterion**

Ability to creatively develop the detailed design of a business solution based on the characteristic of the given business problem

**Excellent (A+, A, A-)**

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**Marginal (D)**

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**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

AT3.Project Presentation

**Criterion**

Ability to integrate communication skills so that ideas are communicated in the most cost-effective way

**Excellent (A+, A, A-)**

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**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

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**Failure (F)**

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## Part III Other Information

### Keyword Syllabus

IS Consultancy, IS Research, Artificial Intelligence, Big Data, Cloud Services, System Analysis and Design, IS Project Management

### Reading List

#### Compulsory Readings

Title	
1	Nil

#### Additional Readings

Title	
1	There is no formal reading list for this course.