

# IS4937: INFORMATION SYSTEMS PROJECT I

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## Effective Term

Semester A 2022/23

## Part I Course Overview

### Course Title

Information Systems Project I

### Subject Code

IS - Information Systems

### Course Number

4937

### 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

Nil

### 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. If the project scale is large, student(s) is/are encouraged to continue the work by taking IS4938 in subsequent semester. In general, IS4937 focuses on the early stages whereas IS4938 concentrates on the later stages of a consulting or a research project.

### Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Conduct an information systems project in a business setting in the form of internship, consulting or research projects.	20	x	x	
2	Demonstrate the attitude and ability to apply various tools and methods of systems analysis to model user requirements with innovative ideas and technologies.	20	x	x	
3	Demonstrate creative problem solving skills in developing behavioural models of specific problem domains.	20	x	x	
4	Apply the concepts and techniques of project management to initiate, plan, execute, and control information systems consulting projects.	20	x	x	x
5	Exercise good communication and interpersonal skills in eliciting user requirements and in presenting preliminary 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.

**Teaching and Learning Activities (TLAs)**

TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	TLA1: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 application, implementation, or management of business information systems.	1, 2, 3, 4, 5
2	TLA2: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	TLA3: On-Line Discussion	It is a means of self-reflection and sharing of concepts, techniques, and methods associated with the implementation or management of business information systems.	2, 3, 5
4	TLA4: Seminar	Students will discuss their initial findings and the preliminary business solutions with fellow students and project supervisors.	2, 5

**Assessment Tasks / Activities (ATs)**

ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1 AT1.Project Diary A 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 IS solutions to address the specific business problems.	1, 2, 3, 4, 5	60	
3	AT3.Project Presentation A formal presentation to communicate the findings and the preliminary solutions to the project supervisors.	2, 3, 5	20	

**Continuous Assessment (%)**

100

**Examination (%)**

0

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

AT1.Project Diary

**Criterion**

Ability to 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 synthesise and apply sound system analysis methodologies to develop user requirement model

**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**

Capability to creatively develop the use cases and behaviour models with reference to 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 apply sound project management methodology thoroughly and creatively 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 demonstrates a cogent 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 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 synthesise and apply sound system analysis methodologies to develop user requirement model

**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**

Capability to creatively develop the use cases and behaviour models with reference to the characteristic of the given business problem

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

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**Assessment Task**

AT2.Project Report

**Criterion**

Ability to apply sound project management methodology thoroughly and creatively to drive the consulting project

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**Assessment Task**

AT2.Project Report

**Criterion**

Ability to demonstrates a cogent 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-)**

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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 synthesise and apply sound system analysis methodologies to develop user requirement model

**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**

AT3.Project Presentation

**Criterion**

Capability to creatively develop the use cases and behaviour models with reference to 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**

AT3.Project Presentation

**Criterion**

Ability to demonstrate a cogent 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)**

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## Part III Other Information

**Keyword Syllabus**

IS Consultancy, IS Research, Artificial Intelligence, Big Data, Cloud Services, Systems 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.