



# 2U2I FYPI BRIEFING 4 October 2023

SESSION: 2023/2024 Semester 1

innovative • entrepreneurial • global



UTM JOHOR BAHRU

# FYPi Coordinator



DR MUHAMMAD ALIIF BIN AHMAD

- ✓ SCSP 4235
- ✓ SCSP 4223



DR ARYATI BINTI BAKRI

- ✓ SCSP 4112
- ✓ SCSP 4234

# ROLES AND RESPONSIBILITIES



## University Coaches

- a) ensure students report to industry that have been approved by the internship committee;
- b) discuss with industry coach about the scope of PDP and FYPI students will be working on;
- c) supervises and guides students;
- d) review, monitor and assess student's PDP and FYPI ; and
- e) visit the student at the industry.



## Industry Coaches

- a) provide training and guidance to students according to the internship requirements;
- b) conduct PDP and FYPI assessment and monitor students' progress;
- c) ensure that assessment reports are submitted within the stipulated time frame;
- d) ensure that students fully comply with the safety and health regulations in the workplace at all times; and
- e) attend briefings conducted by UTM 2u2i committee.



## Students

- a) attend all briefing conducted by UTM 2u2i committee;
- b) comply with the policies, regulations and guidelines specified by UTM and industry;
- c) forge positive ties with co-workers and superiors in the workplace;
- d) protect the reputation of UTM and industry;
- e) complete all documentation within the stipulated time frame; and
- f) fulfil all the prescribed requirements of the degree.

# FYPi Codes

01



**SESP 4112 – INITIAL INDUSTRY PROJECT PROPOSAL**

SEM 1 (WEEK 10 – WEEK 17)

26 NOV 2023 – 26 JAN 2024

**SESP 4223 – INDUSTRY INTEGRATED PROJECT PROPOSAL**

SEM 2 (WEEK 19– WEEK 27)

28 JAN 2024 – 29 MARCH 2024



02

03 &  
04



**SESP 4235 – INDUSTRY INTEGRATED PROJECT DEVELOPMENT &**

**SESP 4234 – INDUSTRY INTEGRATED PROJECT REPORT**

SEM 2 (WEEK 28 – WEEK 40)

1 MAC 2024 – 30 JUN 2024

# FYPi Code



**SESP 4112**

**Initial Industry Project Proposal**

- Write project progress.
- Deliver initial project proposal written.
- Identify problem background & proper solution.
- Identify project objectives & scopes.



**SESP 4223**

**Industrial Integrated Project Proposal**

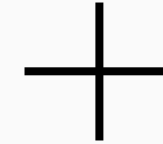
- Report Proposal
- Explain & apply project development methodologies appropriate to the project based on organization standard.
- Design, plan & purpose a project according to user requirement.



**SESP 4235**

**Industrial Integrated Project Development**

- Develop project.
- Verify & validate developed modules.
- Present a working prototype that fulfill users requirement
- Embed project ideas & final product (technical report & presentation)
- Propose future improvement.

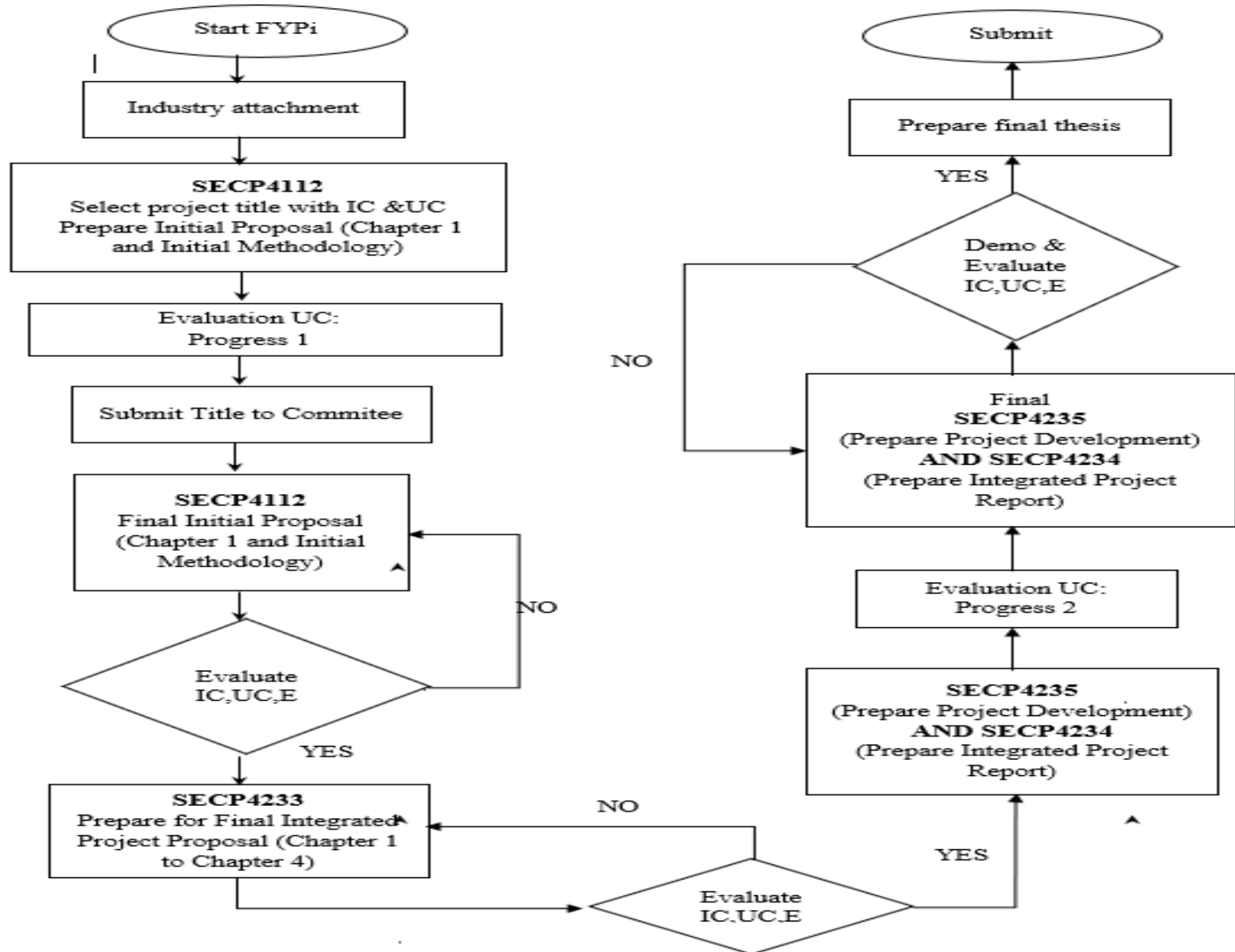


**SESP 4234**

**Industrial Integrated Project Report**

- Compose technical report.
- Reflection in eportfolio.

# FLOW CHART





# SECP 4112 (WEEK 10 – WEEK 17) (INITIAL INDUSTRY PROJECT PROPOSAL)

No.	CLO	PLO (Code)	*Taxonomies and **generic skills	T&L methods	***Assessment methods
CLO1	To write the project idea formulation.	PLO3 (CG)	C4	WBL	Project Idea Formulation (30)
CLO2	To deliver initial brief project introduction written and orally in a clear, effective and comprehensive manner.	PLO4 (CS)	CS2	WBL	Slide and Project Report (Chapter 1) (40) Presentation (20)
CLO3	To act ethics in carrying out duties.	PLO10 (EM)	EM	WBL	Progress Meeting (10)

# SECP 4223 (WEEK 19 – WEEK 27) (INDUSTRY INTEGRATED PROJECT PROPOSAL)

No.	CLO	PLO (Code)	*Taxonomies and **generic skills	T&L methods	***Assessment methods
CLO1	To produce a project proposal.	PLO3 (CG)	C6	WBL	Project Proposal (Chapter 1 to 4) - 50%
CLO2	To design the project solutions according to user requirements.	PLO2 (PS)	C6	WBL	Design Documentation – 30%
CLO3	To deliver the project solution clearly.	PLO4 (CS)	CS3	WBL	Presentation – 20%



# SECP 4235 (WEEK 28 – WEEK 40) (INDUSTRY INTEGRATED PROJECT DEVELOPMENT)

No.	CLO	PLO (CODE)	*Taxonomies and **generic skills	T&L methods	***Assessment methods
CLO1	To write the project progress.	PLO3 (CG)	C4	WBL	Log Book (20)
CLO2	To develop the project based on the proposal.	PLO5 (PS)	C5	WBL	Prototype (60)
CLO3	To present a working prototype that fulfill user requirements.	PLO 4 (CS)	CS6	WBL	Presentation (20)

# SECP 4234 (WEEK 28 – WEEK 40) (INDUSTRY INTEGRATED PROJECT REPORT)

No.	CLO	PLO	*Taxonomies and **generic skills	T&L methods	***Assessment methods
CLO1	To compose a technical report.	PLO4	CS1	WBL	PSMi Report : 80%
CLO2	To demonstrate the reflection of project through E-Portfolio.	PLO4	CS1	WBL	E-Portfolio : 20%

# FYPi Project Criteria

## DATA ENGINEERING

Performing everything that related to data cleansing, preparation and analysis using analyze insights which lead to better decision.

## OTHERS

Conduct any phases of system development whether system analysis, system design, system coding, system testing, system documentation and system maintenance.

01



02

## SYSTEM DEVELOPMENT

Develop any platform of system including web based system, stand alone system, dashboard and mobile application.

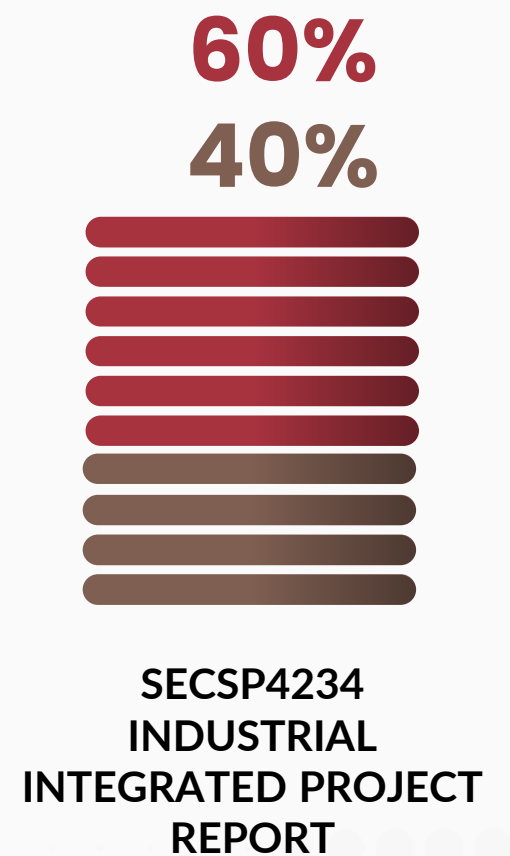
03

## RESEARCH

Conduct descriptive, predictive and prescriptive analysis.

04

# FYPi ASSESSMENT



Indicator:



Supervisor University



Supervisor Industry

# Important Weeks (Kindly refer to the attachment)

22-26 Jan 2024	<p><b>SECP4112 – PRESENTATION (F2F)</b></p> <ul style="list-style-type: none"> <li>• Students do a 10-15 <u>minutes</u> presentation.</li> <li>• IC, UC, Examiners submit the evaluation form.</li> <li>• Students get the Chairperson Form(UC) and return to Coordinator in Elearning.</li> </ul>
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24-29 Mac 2024	<p><b>PROJECT PROPOSAL SECP4223 – PRESENTATION via ONLINE MEETING</b></p> <ul style="list-style-type: none"> <li>• <b>IC, UC and Examiners</b> need to access the <b>Google Drive</b> for the latest material to evaluate students (Project Proposal, Presentation Slide etc)</li> <li>• Students need to prepare a presentation ( 30 minutes (20 minutes presentation, 10 minutes Q&amp;A).</li> <li>• IC,UC, Examiner - Submission of E-Evaluation.</li> <li>• <b>UC</b> access and complete the Chairperson Form from Google Drive.</li> <li>• Students get the Chairperson Form(UC) and return to Coordinator in Elearning.</li> </ul> <p><b>UC need</b> to remind students to check Comment Form and Chairperson Form in <b>SECP4223 presentation</b> for Report Proposal correction.</p> <p><i>Note: Industry, University Coaches and Examiners are <b>PREFERABLE</b> to discuss student's marks.</i></p>
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9 June - 21 June 2024	<p><b>PRESENTATION via F2F MEETING (SECP4235 &amp; SECP4234)</b></p> <ul style="list-style-type: none"> <li>• <b>IC, UC and Examiners</b> need to access the <b>Google Drive</b> for the latest material to evaluate students (Final Project Report, Presentation Slide, Logbook, E-Portfolio (<u>LinkedIn</u>))</li> <li>• Students do <u>40 minutes</u> presentation (30 minutes presentation, 10 minutes Q&amp;A).</li> <li>• IC, UC and Examiners - Submission of E-Evaluation</li> <li>• Students get the Chairperson Form(UC) and return to Coordinator in Elearning.</li> </ul> <p><b>UC need</b> to remind students to check <u>Comment Form</u> and Chairperson Form in <b>SECP4235 &amp; SECP4234 presentation</b> for correction.</p> <p><i>Note: Industry, University Coaches and Examiners are <b>PREFERABLE</b> to discuss student's marks.</i></p>
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# Log Book (Kindly refer to the attachment)



## SCHOOL OF COMPUTING FACULTY OF ENGINEERING

### PSMi LOG BOOK

**Semester** : 2022/2023-2

**Type** : SECP

**Date** : .....22.... / .....02.... / .....2023.....

**Meeting**: 1

**Week**: 21

**Student  
(Objectives/  
Achievements/  
Activities)**

**: Objectives:**

The objective of this meeting is all about doing corrections on project proposal presented in the last semester. Then receive guidance from supervisors on how to correct the correction comment along with giving plan for next meeting.

**Achievements:**

My project proposal was successfully corrected such as the idea goal and project scope. With corrected planning proposal the supervisor allows me to start writing project proposal report.

**Activities:**

Have a discussion session with supervisor on WhatsApp regarding the project proposal presented before.

**Supervisor  
(Suggestion &  
Comments)**

: Change the title of the project from “Measuring economic sentiment using news and twitter” to “Measuring gross domestic product performance using sentiment analysis model”. Another comment was to start research on paper in which project that is related to proposed for project proposal report literature review section.

**Next Meeting**

: Discussion session with supervisor on literature review section.



**SECP 4112**

**Initial Industry Project Proposal**

<b>Idea Formulation (CLO1-10%)</b>	Problem statement
	Project objectives
	Project Scope
<b>Slide Presentation (CLO2-40%)</b>	Problem statement
	Project objectives
	Project scope
	Alternative ideas
	Creative solutions
	Project methodology
<b>Presentation (CLO2-20%)</b>	Eye Contact
	Body Language
	Verbal Skills
	Organization
	Creativity
	Personal Appearance
	Question and answer session
<b>Ethic (CLO3-10%)</b>	Meeting Frequency
	Work Ethic
	Self-Reliance (Independent)
	Submission

**SECP 4223**

**Industrial Integrated Project Proposal**

<b>Report (CLO1 – 50%)</b>	Abstract
	Chapter 1 Introduction
	Chapter 2 Literature Review
	Chapter 3 Project Methodology
	Chapter 4 Initial Finding
<b>Design System / Research Design (CLO2 – 30%)</b>	Chapter 5 Conclusion
	System Architecture/Research Framework
	System Design/Process Flow/ Research Design
<b>Presentation (CLO3 – 20%)</b>	Gantt Chart
	Eye Contact
	Body Language
	Verbal Skill
	Organization
	Creativity
	Personal Appearance
Question and Answer Session	

**SECP 4235**

**Industrial Integrated Project Development**

<b>System/ Prototype/ Research (CLO2 – 70%)</b>	Fulfilled objectives
	Fulfilled scopes
	Coding/programming/Tools
	Completeness
	Enhanced service and/or commercialization
	Project type's characteristics
<b>Presentation (CLO3 – 30%)</b>	Creativity / interface
	Eye Contact
	Body Language
	Verbal Skill
	Organization
	Creativity
	Personal Appearance
Question and Answer Session	

**SECP 4234**

**Industrial Integrated Project Report**

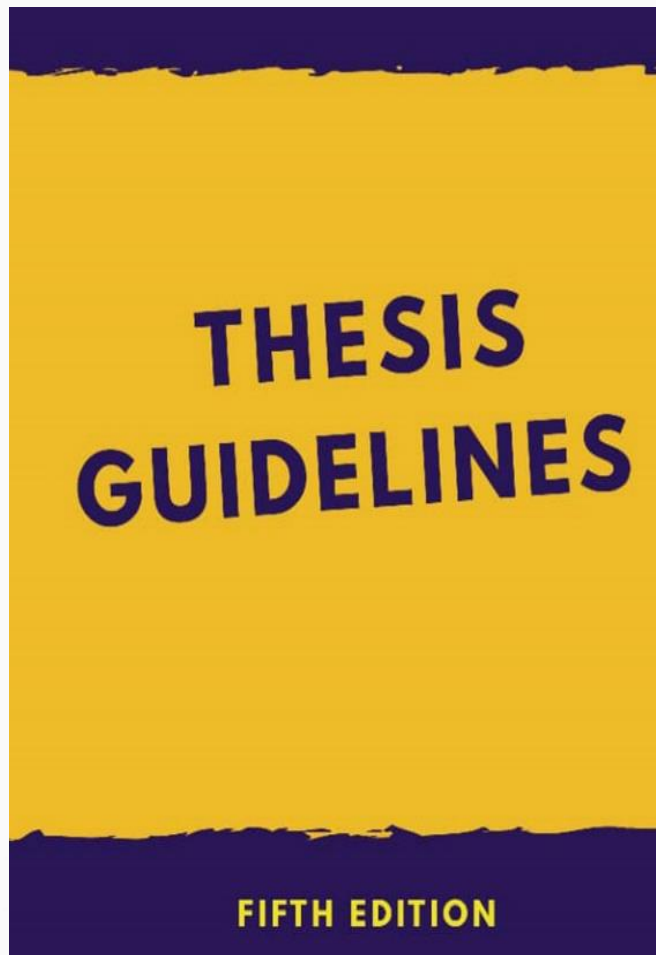
Abstract
Chapter 1 Introduction
Chapter 2 Literature Review
Chapter 3 Methodology
Chapter 4 System Design/ Research Design
Chapter 5 Implementation/ Results /Testing
Chapter 6 Conclusion

# FYPi Report

Format Report

SECP 4233	SECP 4234
<b>Chapter 1:</b> <b>Introduction</b>	<b>Chapter 1:</b> <b>Introduction</b>
<b>Chapter 2:</b> <b>Literature Review</b>	<b>Chapter 2:</b> <b>Literature Review</b>
<b>Chapter 3:</b> <b>Methodology</b>	<b>Chapter 3:</b> <b>Methodology</b>
<b>Chapter 4:</b> <b>Proposed System Design (System Development Based) /</b> <b>Experimental Setup (Research Based)/</b> <b>Extract Transform Load (ELT)</b>	<b>Chapter 4:</b> <b>System Design (System Development Based) /</b> <b>Experimental Setup (Research Based)/</b> <b>ETL</b>
	<b>Chapter 5:</b> <b>Results, Testing and Discussion (System Development Based) /</b> <b>Results, Analysis and Discussion (Research Based)</b>
<b>Chapter 5:</b> <b>Conclusion</b>	<b>Chapter 6:</b> <b>Conclusion</b>





# Report Format: Thesis UTM

**UTM Logo**

**Thesis title**

**Abstract**

**Name of the Degree**

**Name of Student**

**Name of Supervisor(s)**

**Name of School, Faculty and University and Year of Submission**

## References:

[Thesis Manual \(2018\)](#)

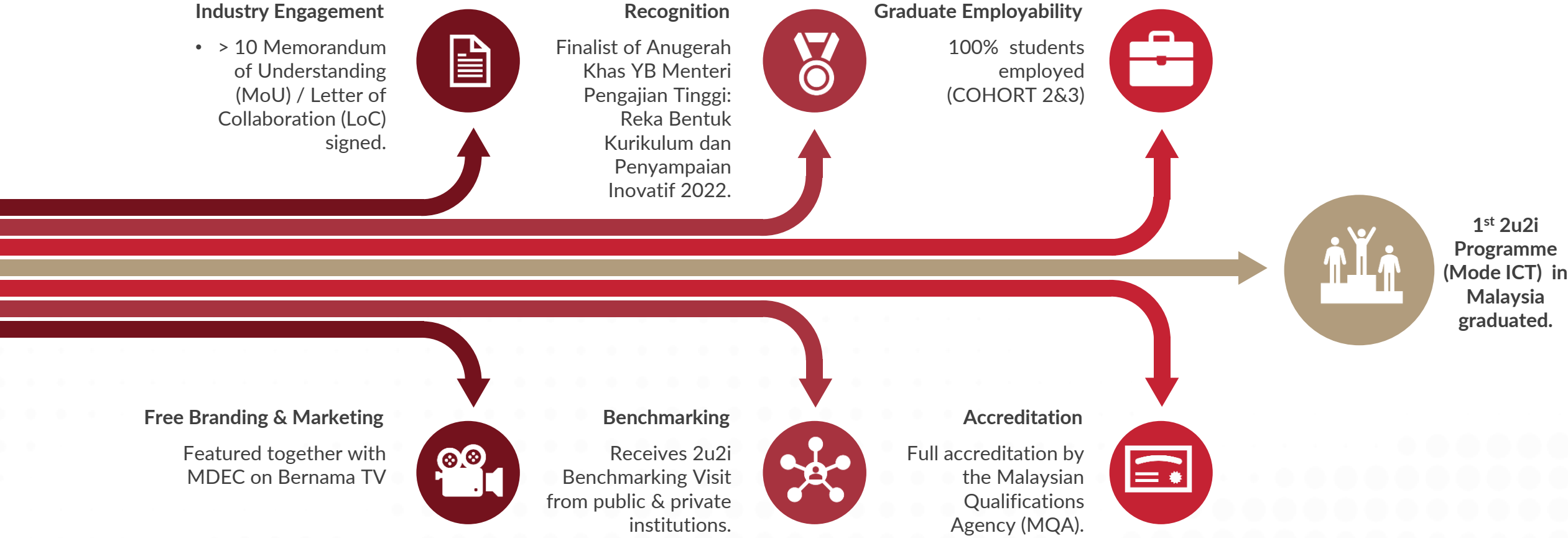
[Projek Sarjana Muda \(PSM\) | Undergraduate Final Year Project, FACULTY OF COMPUTING, UTM](#)

FYPi Guidelines, FC, UTM

# Awards

1. Industry-Infused Curriculum In Computing Education For Future Ready Graduates, NALI, Gold, 2019
2. Sarjana Muda Sains Komputer (Kejuruteraan Data)- Pro Data Work Based Learning, AKRI, Finalis 2022
3. Implementation of An Integrated Work-Based Learning Courses In Industry-Infused Curriculum, NALI,Gold,2019.
4. Keterlibatan Industri Dalam Pembelajaran Subjek Teknologi Sistem Maklumat, EduInnovation, UKM, Silver, 2023.
5. Implementation of Professional Development & Practice (PDP) In Industry-Infused Intership, NALI, Gold, 2022.
6. Prodata Pembelajaran Berasaskan Kerja: Projek Sarjana Muda Industri, NALI, Silver, 2022.

# Successful stories



# THANK YOU



In the Name of God for Mankind



[utm.my](http://utm.my)



[univteknologimalaysia](https://www.facebook.com/univteknologimalaysia)



[utmofficial](https://www.instagram.com/utmofficial)