

Briefing Session (17th October 2023)

CAT403: Projek Major Infrastruktur Komputeran
(Computing Infrastructure Major Project)

CAT404: Projek Major Kejuruteraan Perisian
(Software Engineering Major Project)

CAT405: Projek Major Perkomputeran Cerdas
(Intelligent Computing Major Project)

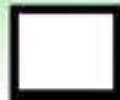
SA 2023-2024

by

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CAT403, CAT404 & CAT405 Coordinator

Attendance

A t t e n d a n c e



Coordinator



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CAT403, CAT404 & CAT405 Coordinator
Program Manager (Computer Science)

Introduction

Undergraduate Major Project is a project work undertaken by undergraduate students in their final year of study, in which students need to register their project according to their major specialisation. There are three major project courses based on the major specialisations, namely:

- i. **CAT403 – Computing Infrastructure Major Project.**
Field electives: Net-Centric Computing & Embedded Systems, and Cybersecurity.
- ii. **CAT404 – Software Engineering Major Project Software Engineering**
Field electives: Information Systems Development, and Specialised Systems Development.
- iii. **CAT405 – Intelligent Computing Major Project**
Field electives: Data Analytics, and Media Computing.

All CAT403, CAT404 and CAT405 projects are **individual-based** projects. To register for CAT403/CAT404/CAT405, a student must have taken the CAT302 Industrial Training and CAT304 Group Innovation Project and Study for Sustainability.

- Written Proposal
- Milestone 1: System Requirement and Design (SRD)
 - SRD Report (Chap. 1-3)
 - Presentation
- Milestone 2: Progress Review
 - Project Progress Demo
- Milestone 3: Final Presentation
 - Final Report
 - System Demo

CAT403/CAT404/CAT405 Evaluation

- Milestone 1: System Requirement and Design (SRD)
 - SRD Report (Chap. 1-3) **10%**
 - SRD Presentation **10%**

- Milestone 2: Progress Review
 - Project Progress Demo **20%**

- Milestone 3: Final Presentation
 - Final Report **20%**
 - System Demo **40%**

CAT403/CAT404/CAT405 Assessment Panel & Weightage

A large, 3D, gold-colored graphic of the text '40%' with a slight shadow underneath.

40% Examiner

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50% Supervisor

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10% Industry

PIXEL 2024

*Subject to change

***Undergraduate Major
Project Guidelines (CAT403,
CAT404 & CAT405).pdf***

SPTA

- You should have received an email from *spms@usm.my* regarding the activation of your account on SPTA system (do check your other folders).
- Upon activating the account, you can then view projects available in the system.
- You can only perform the project bidding later after I send you another instruction.
- **However, there are still 20 students who did not activate their accounts. Please help to remind your friends. We cannot proceed further if any of the students do not perform the activation. Please do it asap. TQ.**

Term and reference (ToR) CAT403/CAT404/CAT405



Student is required to fulfill all requirements of undergraduate final year project. FAILURE to fulfill any requirements of undergraduate final year project you will be considered NOT fulfill the requirements. Thus, you may be given grade F. The following are the requirements of undergraduate final year project:

- Present the project in all phases (SRD presentation, Progress project Demo, and final demonstration of the project)
- Submit all required documents according to the deadline:
 - Proposal, SRD Report, Final Report (Include Manual & Instructions of system/application installation as appendix)

*** Student who got F in the system Demo (Final presentation) will be given an overall grade F.*

Initial Proposal

- Initial proposal preparation
- Due: 6 Nov 2023
- Proposal guidelines and template are available in the e-learning portal.
- Submission:
 - Hardcopy (to the box provided in the CS main office, level 7)
 - Softcopy (upload to e-learning portal)

More...

Other materials will be made available in e-learning portal soon.

e.g. Rubrics, templates, etc..

Stay tuned.

Warm Reminder

Good Practice:

1. *Good communication with Supervisor.*
2. *Check email regularly (alert with all announcements made in the elearning portal)*
3. *Self-initiative is very important. Avoid last minute work.*
4. *Every phase are important. (Not to only work hard at the final phase)*

Success is a choice. You can make up in your own mind which way you'll go.

YOU CAN DO IT!!! All the best.

Thank You

