DEPARTMENT OF SOFTWARE ENGINEERING

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

Fakulti Teknologi Maklumat dan Komunikasi

TAKLIMAT PSM – BITS

05.12.2018 | ReCAP Room

JK PSM & PD

2018

Outlines

- Introduction
- Project Scopes
- Project Milestones
- Project Evaluation
- e-Repository System
- Things to do NOW
- Potential Supervisor
- Important Notes
- PSM Documents
- PSM Matters
- Other Info..

Introduction

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- Projek Sarjana Muda (PSM)
  - Individual project
  - Total of 6 credits
    - PSM 1 (Sem 2) 3 credits
    - PSM 2 (Sem Khas) 3 credits
- PSM 1
  - Pre-requisite: PASS BENGKEL 2
- PSM 2
  - Pre-requisite: PASS PSM 1

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- Project Requirements
  - ICT related project with some research elements
  - Produce an outcome, with **at least ONE** of the following:
    - **New creation**
      – new type of application
      – commercial value
    - **Innovation**
      – adapt existing technology in different domain/scenarios
      – added value to existing technology
    - **Enhancement**
      – implementing new features / improve process
  - Programming & SE are compulsory elements

Project Scope (BITS)

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- Field Types
  - Software Technology
  - Intelligent Information Systems
  - Green Technology
  - Database Technology
  - Networking & Distributed Computing
  - Computer System Technology
  - Computer & Network Security
- Industry
  - Tourism
  - Education & training
  - Finance
  - Business & Commerce
  - Defense
  - Healthcare & Bioinformatics
  - Advanced Manufacturing
  - Community
  - *.. not limited to..*

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- Project Types
  - Business Application Development
    - Inventory/Stock Management System
    - Sales/Purchase System (POS)
  - Software Tools
    - Movie Trailer Creator
    - Unit Measurement Converter
  - Software Engine Component
    - XML-DTD Validation
    - Data Type Conversion
  - Intelligent System
    - Health Diagnosis System
  - Intelligent Business and Data Mining
    - Football Coaching based on Conditional Situation

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- Project Size
  - Has complete process flow
  - Clear consumer targets and sizes
  - Have multiple approaches to algorithms and modeling
  - Industrial/community problem solving

Project Milestones

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- PSM 1 (14 weeks)
  - Project Proposal – to Supervisor
  - Project Proposal & verification – to AJK
  - Progress 1 Presentation – to Supervisor
    - Chap1, Chap2 & Chap3
  - Progress 2 Presentation – to Supervisor
    - Chap4
  - Draft PSM1 Report – to Supervisor & Evaluator
  - PSM 1 Presentation – to Supervisor & Evaluator
  - Upload PSM 1 Report & Log Book into e-Repository system

Project Milestones

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- PSM 2 (7 weeks)
  - Progress Presentation 1 – to Supervisor
    - Chap5
  - Progress Presentation 2 – to Supervisor
    - Chap6
  - Draft PSM2 Report – to Supervisor & Evaluator
  - PSM 2 Presentation – to Supervisor & Evaluator
  - Upload complete PSM 2 Report & Log Book into e-Repository system

Project Evaluation

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PSM 1	100%
Project progress Report	
Proposal Report	40%
Progress 1 Presentation	
Progress 2 Presentation	
Final Presentation (Supervisor)	
Demo	25%
PSM 1 Report	
Others	
Final Presentation (Evaluator)	
Demo	35%
PSM 1 Report	
Presentation	

PSM 2	100%
Project progress Report	
Progress 1 Presentation	20%
Progress 2 Presentation	
Final Presentation (Supervisor)	
Demo	45%
PSM 2 Report	
Others	
Final Presentation (Evaluator)	
Demo	35%
PSM 2 Report	
Presentation	

e-Repository System

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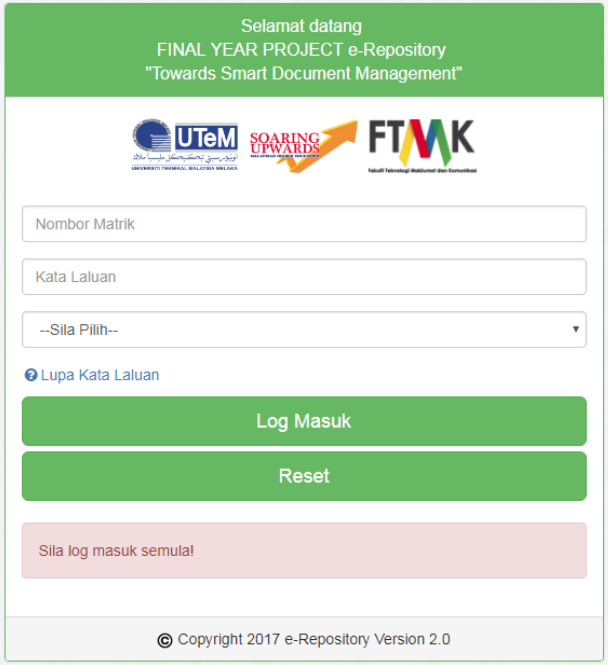
- Collection of documents related to PSM 1 & PSM 2 projects
  - Uploaded by students
  - Reviewed & commented by supervisors
  - Managed by AJK
- Will be available on the 1st week of Sem 2



http://psmpdftmk.utem.edu.my:8500/PSMPD/index.cfm

Things to do **NOW**

- Introduction
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- ULearn
  - Enroll BITU3973 PROJECT 1 (PSM 1) course page
  - Get all documents related for BITS
- Project Proposal PSM 1
  - Seek and engage with Supervisor (SV)
  - Discuss feasible project with SV
  - Ask SV to sign the *form to confirm, then scan and **upload it into ULearn** by:

    Friday, 18 January 2019

** Fill up Project Proposal Form (download from course page)*

Potential Supervisor

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- **Potential Supervisor**
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Latest supervision: 1 supervisor = 4 students

1	Aniza Othman	Level 1
2	Dr Intan Ermahani A. Jalil	
3	PM Dr Mohd Sanusi Azmi	
4	Kasturi Kanchymalay	
5	PM Dr Massila Kamalrudin	
6	Prof. Dr Mohd Khanapi Abd Ghani	
7	Prof. Dr Nanna Suryana Herman	
8	Muhammad Suhaizan Sulong	
9	PM Dr Sabrina Ahmad	Level 2
10	Dr Nor Hafeizah Hassan	
11	Rosmiza Wahida Abdullah	
12	Zarita Mohd Kosnin	
13	Azlianor Abdul Aziz	Level 3
14	Datin Nurazlina Md. Sanusi	
15	Dr Abdul Karim Mohamad	
16	Dr Raja Rina Raja Ikram	
17	Dr Zahriah Othman	
18	Mashanum Osman	
19	Maslita Abd. Aziz	
20	Dr Lizawati Salahuddin	Level 4
21	Mohd Hariz Naim @ Mohayat	

Important Notes

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	PSM 1	PSM 2
Meet SV	At least 5x	At least 3x
	Otherwise, you will get a Warning Letter. Two letters may lead to bar from presentation.	
Progress Status	Determine at Week 11	Determine at Week 5
	May withdraw but due at Week 13 (Sem 2)	*May withdraw but due at Week 6 (Sem Khas)*
Presentation	Week 15	Week 8
E-Repository	Upload all related docs by Week 16	Upload all related docs by Week 9
	Fail to do so, you will get TS (Tidak Selesai) status which might cause an unsatisfactory result.	

PSM Documents

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- Available in ULearn:
  - Panduan Perlaksanaan PSM
    - Complete info about PSM execution for committee, supervisors and students.
  - Panduan Penulisan PSM
    - Complete info about content of PSM report and formatting.
    - Refer to BITS section ONLY (content).
  - Project Proposal From
  - .. More..

PSM Matters

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- **PSM Matters**
- Other Info..

- Any queries/further info, refer to:
  - **PSM Committee, Unit BITS**:
    - Me [0176046422]
    - azlianor@utem.edu.my
  - Your **supervisor** (not your friend!)
  - Library: A, A-, B+

Other info..

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- https://insights.stackoverflow.com/survey/2018/
  - Technology trend
  - Developer insight
  - ..more..

~ END OF TAKLIMAT