

Kod Projek :	BITU 3973
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UNIVERSITI TEKNIKAL MALAYSIA MELAKA
FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

PROJEK SARJANA MUDA 1
PROPOSAL FORM

[Incomplete form will be rejected]

A	TITLE OF PROPOSED PROJECT: <i>Tajuk projek yang dicadangkan :</i> Student Project Management System (e-SPMS)
B	DETAILS OF STUDENT / MAKLUMAT PELAJAR
B(i)	Name of Student: Identity card no.: <i>Nama Pelajar:No. Kad Pengenalan :</i> UMI AMIRA BINTI NORIZAN 930112-10-5132 Student card no.: <i>No. Kad Pelajar :</i> B031510006
B(ii)	Correspondence Address : <i>Alamat Surat Menyurat :</i> NO 25, JALAN DABUS 11/2D, 40100 SHAH ALAM SELANGOR DARUL EHSAN
B(iii)	Course: <i>Kursus:</i> <input type="checkbox"/> BITC <input checked="" type="checkbox"/> BITD <input type="checkbox"/> BITE <input type="checkbox"/> BITI <input type="checkbox"/> BITM <input type="checkbox"/> BITS <input type="checkbox"/> BITZ
B(iv)	Home Telephone No.: 03-55193285 <i>No. Telefon Rumah:</i>

	Handphone No.: 018-2846012 <i>No. Telefon Bimbit:</i>
B(v)	E- mail Address: ameeraNor93@gmail.com <i>Alamat e-mel:</i>

C	PROJECT INFORMATION / MAKLUMAT PROJEK
C(i)	<p>Project Area (Please tick): <i>Bidang Projek (Sila tanda (✓)):</i></p> <p> <input type="checkbox"/> A. Intelligent Information Systems Sistem Informasi Pintar </p> <p> <input type="checkbox"/> B. Software Technology Teknologi Perisian </p> <p> <input checked="" type="checkbox"/> C. Database Technology Teknologi Pangkalan Data </p> <p> <input type="checkbox"/> D. Computer System Technology Teknologi Sistem Komputer </p> <p> <input type="checkbox"/> E. Computer and Network Security Komputer dan Keselamatan Rangkaian </p> <p> <input type="checkbox"/> F. Networking and Distributed Computing Rangkaian dan Pengkomputeran Teragih </p> <p> <input type="checkbox"/> G. Immersive Technology Teknologi Imersif </p>
C(ii)	<p>Duration of this project (Maximum 12 months): <i>Tempoh masa projek ini (Maksimum 12 bulan):</i></p> <p> Duration: <u>One Semester</u> <i>Tempoh :</i> </p> <p> From : <u>February</u> <i>Dari :</i> </p> <p> To : <u>June</u> <i>Hingga :</i> </p>

C(v)	<p>Executive Summary of Project Proposal (maximum 300 words) (Please include the background of project, problem statements, objectives, scope and project significance from the project)</p> <p><i>Ringkasan Cadangan Eksekutif Projek (maksima 300 patah perkataan)</i> <i>(Meliputi latar belakang projek, pernyataan masalah, objektif dan kepentingan projek)</i></p> <p>The purpose of this project proposal is to design and development of Student Project Management System (e-SPMS) for students and lecturers who involved in the Workshop 1 and Workshop 2 courses. The system will be consists of functions such as project planning, appointment scheduler, project progress tracker, uploading current project progress, online discussion between supervisor and supervisee and task delegation between group leader and members for Workshop 2. Currently, there are no system existed to assist student and lecturer to communicate efficiently and hence resulted difficulty in tracking workshop progress, lack of proper record of discussion and difficulty in scheduling appointment with supervisor.</p> <p>The objective of this project is to develop students' project management system that enables students and lecturer to manage their information effectively, to provide a platform to assist students and lecture to schedule an appointment for their project discussion and to create database to keep track previous documents and task effectively.</p> <p>The methodologies used to develop the system is by using Agile Development for the System Development Life Cycle (SDLC). There are going to be many testing conducted as this project is being developed to detect the defects of earlier system. As for the database methodology on Database Development Life Cycle (DBLC), it is going to be developed as a top down approach and implemented together with SDLC.</p> <p>The primary aim of the task was to design and develop such system which functioned to efficiently manage and track communications between student and lecturers.</p>
C(vi)	<p>Detailed proposal of project: <i>Cadangan maklumat projek secara terperinci:</i></p> <p>(a) Project background including Introduction and Problem Statements <i>Keterangan latar belakang projek termasuk pengenalan dan pernyataan masalah.</i></p> <p>1. Introduction</p> <p>In the Faculty of Information and Communication Technology (FTMK) of UTEM, it is compulsory for each of the student in second(2nd) and third (3rd) year semester to undergo Workshop 1 and Workshop 2 courses. All of this two courses required student to develop and present the project progress to the</p>

supervisor along the development process. Two of this courses is handle by a different committee which is consist of lecturers from different courses. The lecturers shall supervise the progress of the Workshop 1 and Workshop 2 by conducting activities such as series of discussion and presentation between student and lecturer.

The purpose of this research is to develop Student Project Management System (e-SPMS) for the student and lecturers that are involved in Workshop 1 and Workshop 2 courses. The system will be consists of functions such as project planning, appointment scheduler, project progress tracker, uploading current project progress, online discussion between supervisor and supervisee and task delegation between group leader and members for Workshop 2.

The system shall able to ease the students to make an appointment with the supervisors. Students can choose their supervisors name, together with the date, time and place. After that, all the supervisors can review their own appointment that had been made by their students. Students can check the status of appointment by entering their matric number. By using this system, students can know either their request was approved or rejected. Thus this process and procedure will become smoother and better. Besides making an appointment, this system also provide the functionality of uploading the report and proposal so the record of log book can be trace week by week. Supervisor can also monitor the students by reviewing all task that have been uploaded.

2. *Problem Statements*

A good planning and communication is one of the main factors the success of a system developement (J. L. Cuadrado-Garcia, 2011). Lecturers and student who are involved in the courses of Workshop 1 and Workshop 2 should able to communicate efficiently in discussion and project progress tracking in order to achieve success of a system development. However, currently there are no system existed to assist student and lecturer to communicate efficiently and hence resulted difficulty in tracking workshop progress, lack of proper record of discussion and difficulty in scheduling appointment with supervisor.

From the student's perspective, students find it difficult to make an appointment with their supervisor to show their development progress or to seek guidance for the project. Supervisor were unable to entertain all of their student due to their busy schedule. Student also having difficulty to keep track on their systematic log book which is used to record discussion and task given by their supervisor.

Furthermore, as a lecturer. They will be assigned to be the supervisor for several students who taking the Workshop 1 and Workshop 2 courses. Currently, supervisor is having difficulty to keep track filling and progress of the proposal and reports of previous and current students which is done manually.

In response to this problem, this research proposes to develop Student Project Management System (e-SPMS) for both student and lecturer of Workshop 1 and Workshop 2 to assist them on the managing the development of their projects.

3. *Literature Reviews*

Nowadays, it's hard to find the university that using web-based system to manage all the student report. Majority of university are still using traditional method to manage their management. All the report such as proposal, logbook and final report been stored by lecturer using file-based system.

Psmpdfmtk.utem.edu.my ^[1] is one of examples of an online website originated by Faculty of Information and Communication Technology (FTMK) of UTEM that managed all the PSM report of final student. It is a system that can be used by the student, lecturer and also committee.

e-SPMS is a system which is quite similar to Psmpdfmtk.utem.edu.my ^[1] but only focus on student who take workshop 1 and workshop 2 course only. This system also has additional function which is student can make an appointment with the supervisors for showing their project discussion and progress. Students can choose their supervisors name, together with the date, time and place.

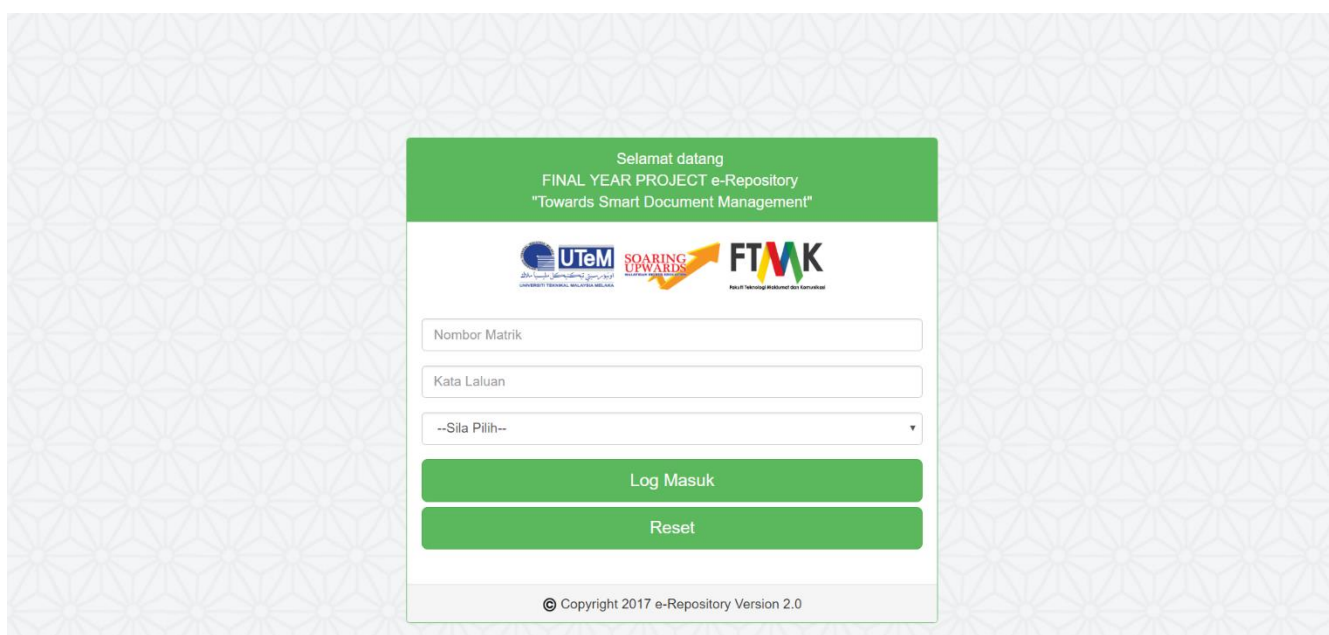


Figure 1: Psmpdfmtk.utem.edu.my system

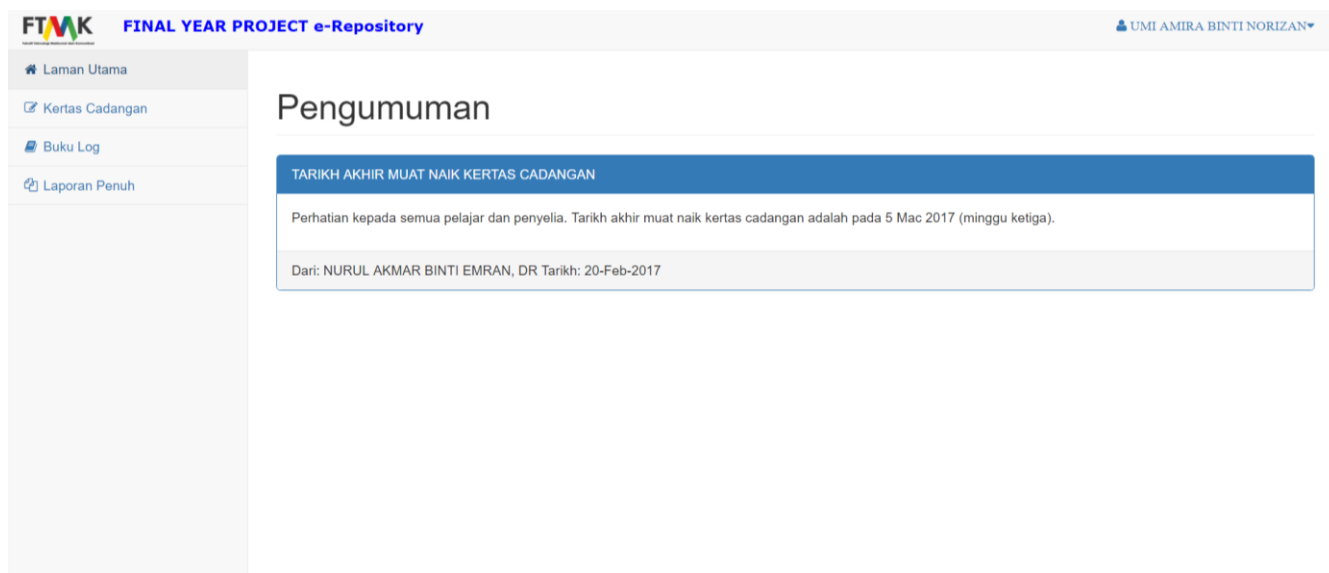


Figure 2: Psmpdfmk.utem.edu.my system

(b) Objective(s) of the Project

Objektif Projek

This project embarks on the following objectives:

1. To develop students' project management system that enables students and lecturer to manage their information effectively.
2. To provide a platform to assist students and lecture to schedule an appointment for their project discussion.
3. To create database to keep track previous documents and task effectively.

(c) Project Methodology

Kaedah projek

1. Description of Methodology

This project will be using Agile Development methodology for its System Development Life Cycle (SDLC) approach.

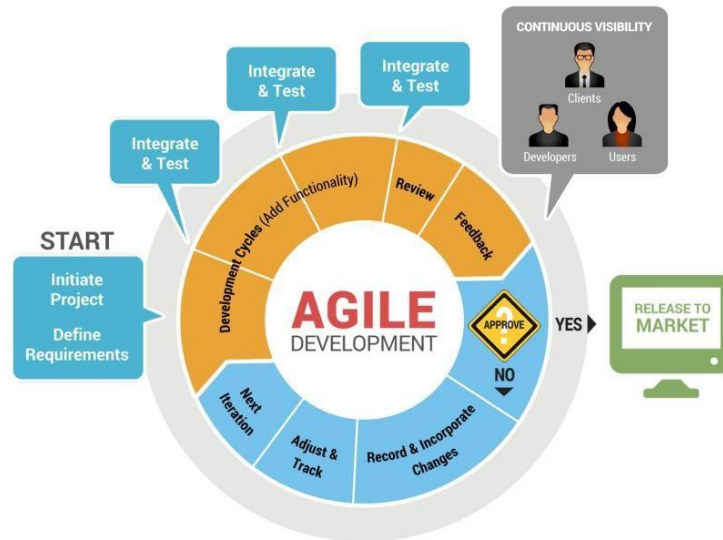


Figure 3: Agile Development diagram for SDLC.

There are going to be many testing conducted as this project is being developed to detect the defects of system earlier. This is to ensure that our system meets all the requirements and to avoid wasting of time and cost.

For database methodology on database development life cycle (DBLC), it will be developed as a top down approach and will be implemented together with System Development Life Cycle (SDLC) approach.

The Database Life Cycle (DBLC)

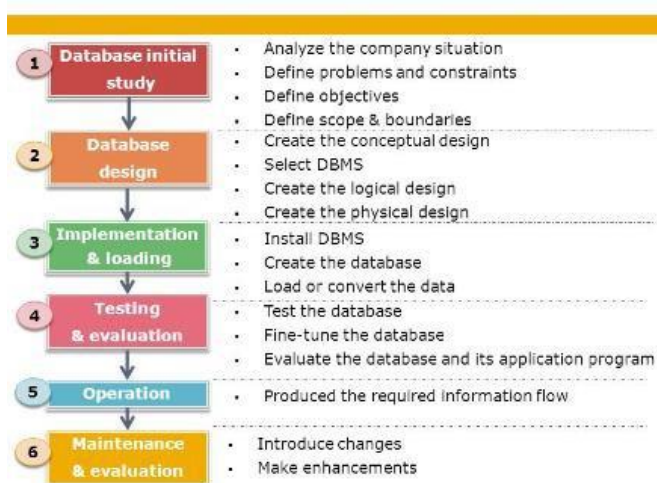
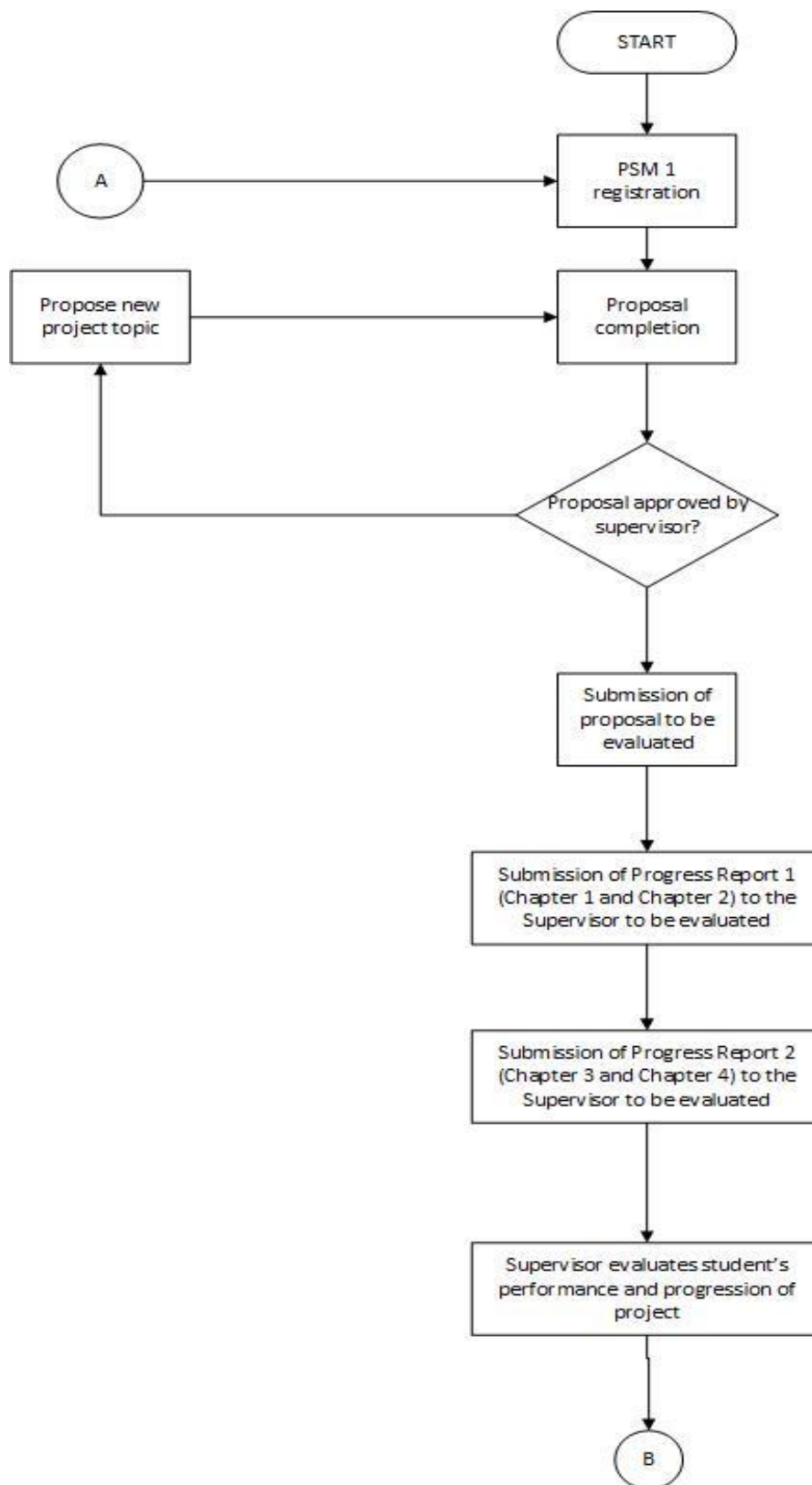
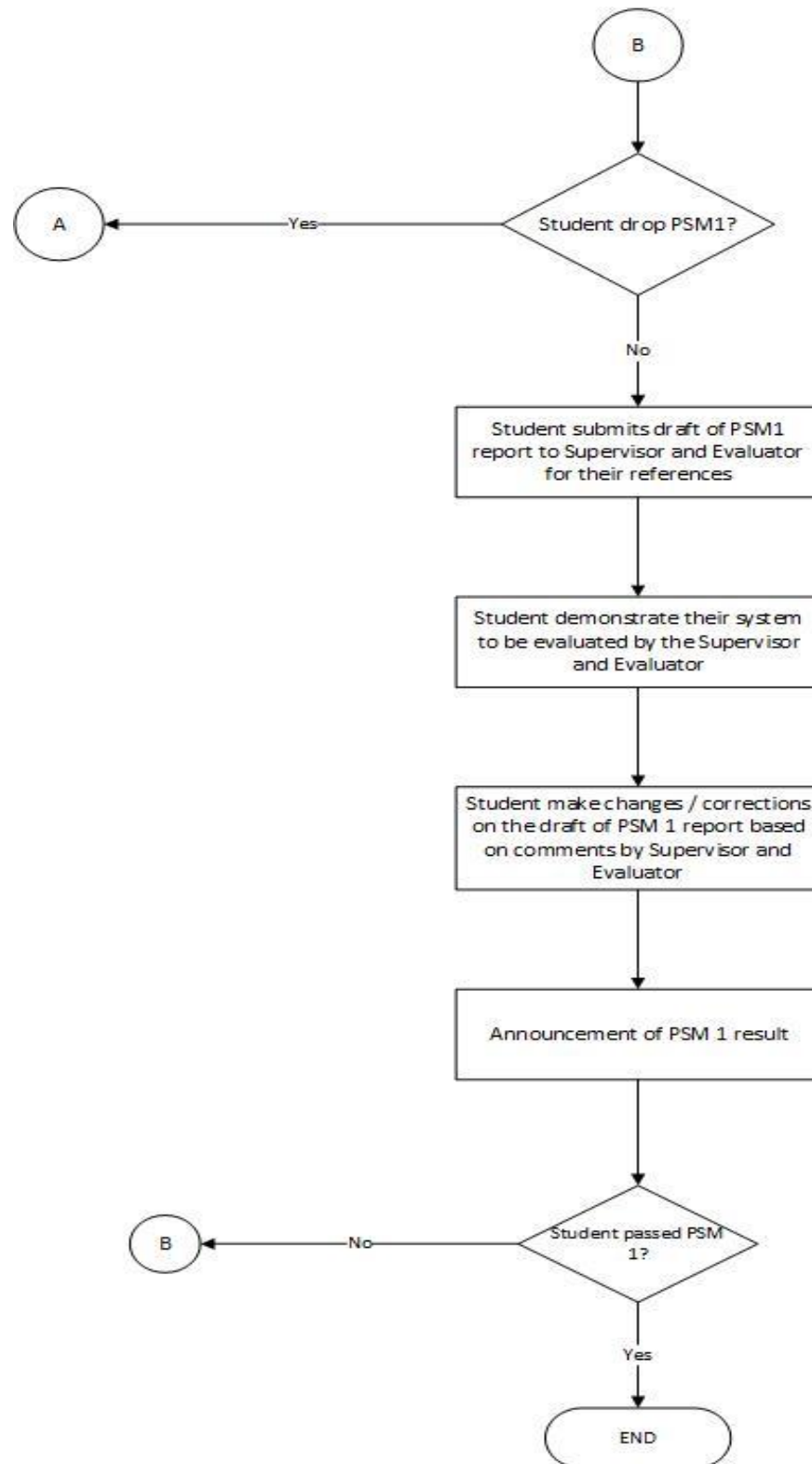


Figure 4: top down diagram for DBLC.

2. Flow Chart of Project Activities





3. Gantt Chart of Project Activities

Process	Week														
Planning Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Title Discussion with Supervisor															
Proposal report regarding introduction (Chapter 1), literature review and methodology (Chapter 2)															
Decision of Chapter 1 and Chapter 2															
Discussion of Chapter 1 and Chapter 2 with supervisor															
Preparation for report of analysis (Chapter 3)															
Submission of Chapter 3 to supervisor															
Preparation for design and report of design															
Discussion of Chapter 3 with supervisor															
Preparation for Chapter 4															
Discussion of Chapter 4 with supervisor															
Improvement of Chapter 4															
Preparation for PSM 1 presentation															
Presentation of PSM 1															
Continue PSM 2															

Figure 5 : Gantt Chart of e-SPMS

4. Milestones and Dates

Milestones	Expected documents	Weeks
Proposal correctin and submission	Proposal	Week 1 & Week 2
Chapter 1	Objectives, Scope, Project Significance	Week 2 & Week 3
Chapter 2	Project Methodology, Project Schedule and Milestones	Week 3 & Week 4
Chapter 3	Functional Requirement, Non-functional Requirements	Week 4 – Week 6
Project Demo	-	Week 7
Chapter 4	ERD, Data Dictionary, Normalization, Queries, Graphical User Interface	Week 8 – Week 11
Project Demo	-	Week 10 – Week 14
PSM Report	Chapter 1 – Chapter 4	Week 12 – Week 14
Final Presentation	-	Week 15
Correction Draft Report	Chapter 1 – Chapter 4	Week 16

Table 1: Milestones and Dates


(d) Expected Results/Benefit

Jangkaan Hasil Projek

This system should be useful for the student and lecturer in order to manage and track their project progress. Since it is difficult for them to manage the process manually.

D	REFERENCES	
	<p>1. Fakulti Teknologi Maklumat dan Komunikasi (FTMK), Universiti Teknikal Malaysia Melaka.</p> <p>2. Final Year Project e-Repository, UTEM</p> <p>URL : http://psmpdfmtk.utem.edu.my:8500/PSMPD/</p> <p>3. J. L. Cuadrado-Garcia, J. J. Cuadrado-Gallego, M. A. Herranz-Martinez and P. Rodriguez-Soria, "Improve Tracking in the Software Development Projects," (2011)</p> <p>URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6113062&isnumber=6113028</p>	
E	ACCESS TO EQUIPMENT AND MATERIAL (PLEASE LIST IN DETAIL) / KEMUDAHAN SEDIA ADA UNTUK KEGUNAAN BAGI PROJEK INI (SILA SENARAIKAN DENGAN TERPERINCI)	
	University <i>Universiti</i>	Other Sources or Places <i>Lain-lain tempat/sumber</i>
	<p>Example / Contoh:</p> <p>Software:</p> <p>Adobe Photoshop CS5, Adobe Dreamweaver CS5, Notepad, Notepad++, PHP & MySQL, CSS and XAMPP.</p> <p>The most important software that will be use to write the program code is Adobe Dreamweaver 8. This software support PHP Language, HTML Language JQuery Language function and CSS language has been use to make the system interface more interactive</p> <p>MySQL also has been use to develop this system. MySQL is a database system used on the web and stored data of information and</p>	

	<p>management of input and output data for the system. MySQL is the most popular database system used with PHP</p> <p>References :</p> <p>UTeM's Library. Searching for the books about programming language, interactive interface design or any other books that related with the information needed in order to develop the system</p>	
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F (i)	Declaration by student/ Akuan Pelajar
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Date : <i>Tarikh :</i> <u>27/2/2017</u></p> </div> <div style="width: 45%;"> <p>Student's Signature : <i>Tandatangan Pelajar :</i></p>  </div> </div>

F (ii)	Recommended by the Supervisor <i>Perakuan oleh Penyelia</i>	Recommendation by the Evaluator <i>Perakuan oleh Penilai</i>
	<p>Please tick (√) <i>Silatandakan (√)</i></p> <p>Recommended: <i>Diperakukan:</i></p> <p><input type="checkbox"/> A. Highly Recommended <i>Sangat Disokong</i></p> <p><input type="checkbox"/> B. Recommended <i>Disokong</i></p> <p><input type="checkbox"/> C. Not Recommended (Please specify reason) <i>Tidak Disokong (Sila Nyatakan Sebab)</i></p>	<p>Please tick (√) <i>Silatandakan (√)</i></p> <p>Recommended: <i>Diperakukan:</i></p> <p><input type="checkbox"/> A. Highly Recommended <i>Sangat Disokong</i></p> <p><input type="checkbox"/> B. Recommended <i>Disokong</i></p> <p><input type="checkbox"/> C. Not Recommended (Please specify reason) <i>Tidak Disokong (Sila Nyatakan Sebab)</i></p>

General Comments:

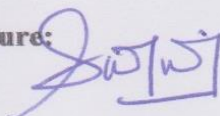
Ulasan umum:

disokong dan telah
dibincangkan.

Supervisor's Name:

**DR SAFIZA SUHANA BINTI KAMAL
BAHARIN**

Signature:



Date: 21/2/2017

SAFIZA SUHANA BT. KAMAL BAHARIN

Pensyarah

Fakulti Teknologi, Maklumat dan Komunikasi
Universiti Teknikal Malaysia Melaka

General Comments:

Ulasan umum:

Evaluator's Name:

Signature:

Date:

PSM & PD COMMITTEE Comments

Accepted 27/2/2017

