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Johari.

E-ACTIVITY MANAGEMENT SYSTEM (EAMS)

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**This report is submitted in partial fulfillment of the requirements for the
Bachelor of Computer Science (Software Development)**

**FACULTY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
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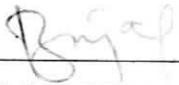
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I hereby declare that this project report entitled

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is written by me and is my own effort and that no part has been
plagiarized without citations.

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DEDICATION

To my beloved Family, I love you all. To My Supervisor, Thank you so much.

ACKNOWLEDGEMENTS

Bismillahirrahmannirahim.

First, Alhamdulillah and Thank You Allah S.W.T that finally I had been finished my PSM II. The duration of PSM II had taken about 1 semester from July 2006 until November 2006. A lot of experience gained in the documentation.

I would like to take this opportunity to thank my PSM supervisor, Pn Hjh Rosleen bt Abd Samad for her guidance throughout the period of PSM II. I am much appreciating her assistance and all the valuable knowledge provided in helping me to complete the documentation.

Finally, I also express my deep gratitude to those who directly or indirectly helped me in completing this PSM II documentation.

Thank you.

ABSTRACT

This project paper is recorded as E-Activity Management System (EAMS) for Department of Student Affair (HEP) under Kolej Universiti Teknikal Kebangsaan Malaysia. This document records the process of development for E-Activity Management System (EAMS) from beginning until the design in design phase. The problems under current system are difficulty of student may face the problem in getting latest activity (event), announcement of activity and others important information. In addition, HEP staffs may face the problem in management to Club and Society and arrangement the activity student structure to full fill the objective, goal, contribution and significant to University. The features include in a new system E-Activity Management System (EAMS) are, the registration online club and society, multiple events in calendar views in day, week and month by categories of club society, upload and download photo and the dynamic calendar to find date. Rational Unified Process (RUP) with Unified Modeling Language (UML) chosen as the methodology of this project used to apply Object-Oriented approach into diagram together with Rational Rose development tool. The software requirements included are Microsoft Windows as an operating system, Apache as a web server, PHP as a programming language, MySQL as a database and Internet Explorer or Mozilla Firefox as a web browser.

ABSTRAK

Kertas projek ini dinamakan Sistem E-Activity Management System (EAMS) dan direkodkan untuk Pejabat Hal Ehwal Pelajar (HEP) di bawah Kolej Universiti Teknikal Kebangsaan Malaysia. Dokumen ini merekodkan segala proses pembangunan Sistem E-Activity Management System (EAMS) dari peringkat awal hingga peringkat fasa rekabentuk. Sistem E-Activity Management System (EAMS) dibangunkan untuk menyokong sistem semasa yang manual. Masalah di bawah sistem semasa adalah kesukaran pelajar dalam menghadapi masalah mendapatkan aktiviti terbaru di kampus, pengumuman aktiviti serta maklumat penting yang lain. Begitu juga dengan kakitangan HEP dalam menghadapi masalah pengurusan Kelab dan Persatuan Pelajar dan menyusun atur struktur aktiviti pelajar supaya memenuhi objektif, matlamat, sumbangan dan kepentingannya kepada Universiti. Ciri yang istimewa pada sistem baru ini termasuklah pendaftaran kelab dan persatuan secara talian, pelbagai paparan kalendar dalam bentuk hari, minggu dan bulan mengikut kategori kelab dan persatuan, muat turun dan muat atas gambar dan kalendar dinamik. RUP (Rational Unified Process) dengan Unified Modeling Language (UML) dipilih sebagai metodologi kepada projek ini untuk mengaplikasikan "Object-Oriented Approach" bersama peralatan pembangunan Rational Rose. Keperluan perisian termasuk Microsoft Window sebagai sistem pengoperasian, Apache sebagai jaringan pelayan, PHP sebagai bahasa pengaturcaraan, MySQL sebagai pangkalan data dan penjelajah Internet atau Mozilla Firefox sebagai suatu jaringan pelayar.

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LIST OF ABBREVIATION

AGM	--	Annual Grand Meeting
.asp	--	Active Server Pages
BPA	--	Business Process Automation
CSC	--	Computer Software Component
DBMS	--	Database Management System
EAMS	--	E-Activity Management System
ERD	--	Entity Relationship Diagram
FTMK	--	Fakulti Teknologi Maklumat dan Komunikasi
GUI	--	Graphical User Interfaces
HEP	--	Hal Ehwal Pelajar
ICT	--	Information Communication Technology
IIS	--	Internet Information Services
KUTKM	--	Kolej Universiti Teknikal Kebangsaan Malaysia
LAN	--	Local Area Network
MHS	--	Minggu Haluan Siswa
MySQL	--	My Structure Query Language
OOAD	--	Object-Oriented Analysis and Design
PC	--	Personal Computer
PHP	--	Hypertext Pre-processor
PSM	--	Projek Sarjana Muda
RUP	--	Rational Unified Process
SPA	--	Suruhanjaya Perkhidmatan Awam
SRC	--	Student Representative Council
UML	--	Unified Modeling Language

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CHAPTER I

(Introduction)

CHAPTER I

INTRODUCTION

1.1 PROJECT BACKGROUND

E-Activity Management System (EAMS) is an Online Web-Based system that will provide the support for the students in the activity or event in Campus. The Client or Organization of this project is Kolej Universiti Teknikal Kebangsaan Malaysia (KUTKM) itself. It is more flexible to be used in this new University. At the moment, the project is for the Hal Ehwal Pelajar (HEP). E-Activity Management System (EAMS) is designed to assist students in activities or programmes, as a reminder of important information and define any key programmes and events in computerized form. Students as the user can access the system in the KUTKM website in which it will enable assistance to Students and HEP staff to find and manage the Campus activities. The benefits of EAMS in this Campus are well-documented for club members.

1.2 PROBLEM STATEMENT(S)

To understand the problem statement, studies of problems that carried out during the execution of the current system is important. For E-Activity Management

System (EAMS), there are some limitations and it would be described as a situation problem. The problems of event in KUTKM are actually not getting students participate in the organized activities, weakness on promoting events and announcement of events. All events should be organized following the standardized system, systematically, efficiently, effectively, properly and managed in good manner.

For student, the events will provide help and give them interesting Campus life and experience when they graduated. Secondly, it also can motivate the students to join the community. For student, the situations showed as:

1. Find any activity or event in Campus.
2. Announce the activity as a reminder.

For staff (HEP), the events will help them to improve quality job. The events also can help staffs to manage the student activities automatically. It will also ease the staff (HEP) to generate and find the list of student who is active in KUTKM campus. For staff (HEP), the situations showed as:

1. Manage Student Society, Club and Association etc.
2. Staffs can interact directly to student in all programs.

1.3 OBJECTIVES

Objective of the project describe the identification of anticipated outcomes in clearly specified terms. The objectives and a paragraph discussing are discussed as the following:

1. To detect the Club and Society as an active club

A club is considered active if the club organized many events per year.

2. To attract more student-joining event

From the internship activity program or event in Campus, the students will also develop skills in management. An effective management is important to plan and monitor the best way to spend available time.

3. To provide active students in Campus (not theoretical and practical only).

It is one type of practical and training from the university management, so that students will not only exposed on the theory but also the performance outside the campus. The program or activity (event) enhances student's abilities to communicate effectively. This can promote a more active activity environment to build a spirit of teamwork and good relationship between students.

4. Help the student to stay alert with activities in Campus

The student will be alerted of those events or activity, so that the most important ones are done on time. Student will avoid time wasting.

5. To enable HEP staffs to manage the Student Society and Events

This system can minimize consequences of fault occurrence and entering the information about activity and club in a timely manner.

1.4 SCOPES

The scope of the project explains the features of the EAMS are discussed as the following:

1. Student Registration Club Society

For student part, student must register as a member club in Campus activity when entering KUTKM. They can choose at least one society club but not more than three society clubs. This is an online web based system and student can register at any time.

HEP Staff will be the administrator who will manage the system. The staff will upgrade all information (add, delete, view) in Society and Club KUTKM.

2. Student Activity (event)

The features included are the multiple calendar views in daily basis, weekly and monthly and by categories (society club). The list of event and activity of each club will be appeared in that calendar. It is a reminder to the student about that activity. Non member of the club can access this calendar to get information about that club.