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JUDUL: **ENHANCEMENT OF LEAVE MANAGEMENT SYSTEM (LEVMs)**

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(HURUF BESAR)

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ENHANCEMENT OF LEAVE MANAGEMENT SYSTEM

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This report is submitted in partial fulfillment of the requirements for the
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UNIVERSITI TEKNIKAL MALAYSIA MELAKA
2007

DECLARATION

I hereby declare that this project report entitled

ENHANCEMENT OF LEAVE MANAGEMENT SYSTEM

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

STUDENT : _____ Date: 24 JUN 2008

(RAUDZAH BINTI OSMAN)

SUPERVISOR: _____ Date: 24 JUN 2008

(MRS. NURAZLINA MD SANUSI)

DEDICATION

I would like to dedication to my beloved parent who have bee giving me support and motivation throughout my project

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ABSTRACT

This project is to enhance the previous system of leave management done by the senior. The existing leave management system manage to sand notification to user upon approval using e-mail and to route up to 2nd level of approval also using e-mail. The proposed project is to enhance the notification to user upon approval of using mobile device. Users will instantly received notification by SMS. The approach used in this project is OOAD and the methodology is based on RUP model. The components of this system consists of GSM modem, database sever and web system

ABSTRAK

Sistem ini adalah untuk penambahbaikan sistem pengurusan cuti terdahulu yang telah di laksanakan oleh pelajar lepas. Sistem pengurusan cuti yang sedia ada sebelum ini menghantar notis kepada pengguna dengan pengesahan melalui email dan untuk aras kedua pengesahan juga menggunakan email. Tujuan penambahbaikan projek ini adalah untuk membenarkan penghantaran notis pengesahan kepada pengguna dengan menggunakan telefon bimbit. Notis pengesahan akan diterima dengan cepat melalui khidmat pesanan ringkas. Pendekatan yang digunakan dalam sistem ini adalah OOAD dan metodologi pula adalah bergantung kepada RUP model. Komponen yang terlibat dengan sistem ini ialah GSM modem, pangkalan data, dan sistem web.

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LIST OF ABBREVIATONS

LEVMs	-	Leave Management System
SMS	-	Short Messaging Service
ARC	-	Augmentation Research Center
SRI	-	Stanford Research Institute
CIO	-	Chief Information Officer
PC	-	Personal Computer
LAN	-	Local Area Network
SQL	-	Structured Query Language
GSM	-	Global System for Mobile Communication
UML	-	Unified Modeling Language
DBMS	-	Database management system
IE	-	Internet Explorer
WWW	-	World Wide Web
IEAK	-	Internet Explorer Administration Kit
CD-ROM	-	Compact Disc read-only memory
API	-	Application Programming Interface
ERD	-	Entity Relationship Diagram
PHP	-	Hypertext Preprocessor
HTML	-	HyperText Markup Language
HTTP	-	Hypertext Transfer Protocol
SMTP	-	Simple Mail Transfer Protocol
POP3	-	Post Office Protocol 3

LIST OF ATTACHMENTS

CHAPTER I

INTRODUCTION

1.1 Project Background

Nowadays, people always want a technology that can help their life to be easy and could make things fast especially in Information Technology and Communication. There is a lot of system being created by programmers in the market whether it is good or not. This technology has improved the quality of our lives immeasurably. In addition, it wills convenience user to manage any management especially to manage an organization including staff's leave management.

This project is called Enhancement of Leave Management System. LEVMs using mobile is built overcome problems and user can get approval notification by mobile. Approval may take few days because the assistant manager is busy and forget to check the form or the form is misplaced. As a result the applicant has to fill up new form. To overcome this problem the online system for leave management is introduced. However, as a mobile computing is spreading throughout the world, the online system for leave management could be adopted this technology to enhance the system by using mobile device.

This online system is important and will be enable user to manage the data or information. The system still uses standard procedures to approve staff's leave. The current system allow user to register first. The system will enable to display the profile and data of user. The information about types of leave, total and balance of

the leave are also will be calculated and displayed. User can also arrange and apply his/her leave based on the data. This system allows staffs to apply leave using electronic form and notification of approval will be sent through Mobile or e-mail. This system provides one type of form, where it has various kind of leave application.

Then, a feedback will be sent to the applicant to inform the application status. For this system, the process and procedures are almost the same as online system. In the online system, approval status will be sent out using e-mail. The leave notification for approval can be done using mobile device.

1.2 Problems statement

i. The manual system always takes a long time to complete the work or the approval for the staff.

ii. The manual system takes a long time to arrange all the documents, forms and the users' profile.

iii. Data not stored properly and hard to access.

iv. Leave approval process may become slower.

1.3 Objective

The main reason of the Enhancement of Leave Management System is to:

i. To improve the online leave management system
ii. To allow send notification by using mobile device
iii. To decrease the approval time

1.4 Scope

LEVMs is focus on human resource management. The target user for this Leave Management System can be categorized into two categories based on the function they use the application:

i. Staff of the organization.
ii. Officer of the organization

The limitations of the project are listed below:

i. This project is for applying leave only
ii. Staff must have the internet connection to access the Leave Management This project only for applying the leave management
iii. Staff must have the GSM modem connection to access the Leave Management and approval.

1.5 Project Significance

One of the main reasons for developing this system is to provide leave management using mobile, which is vary popular. This system is believed to provide efficiency and faster.

1.6 Expected Output

The expected output from this project will be a mobile approval for leave management. User can get their leave approval by mobile. Other than that official can approve the leave fast.

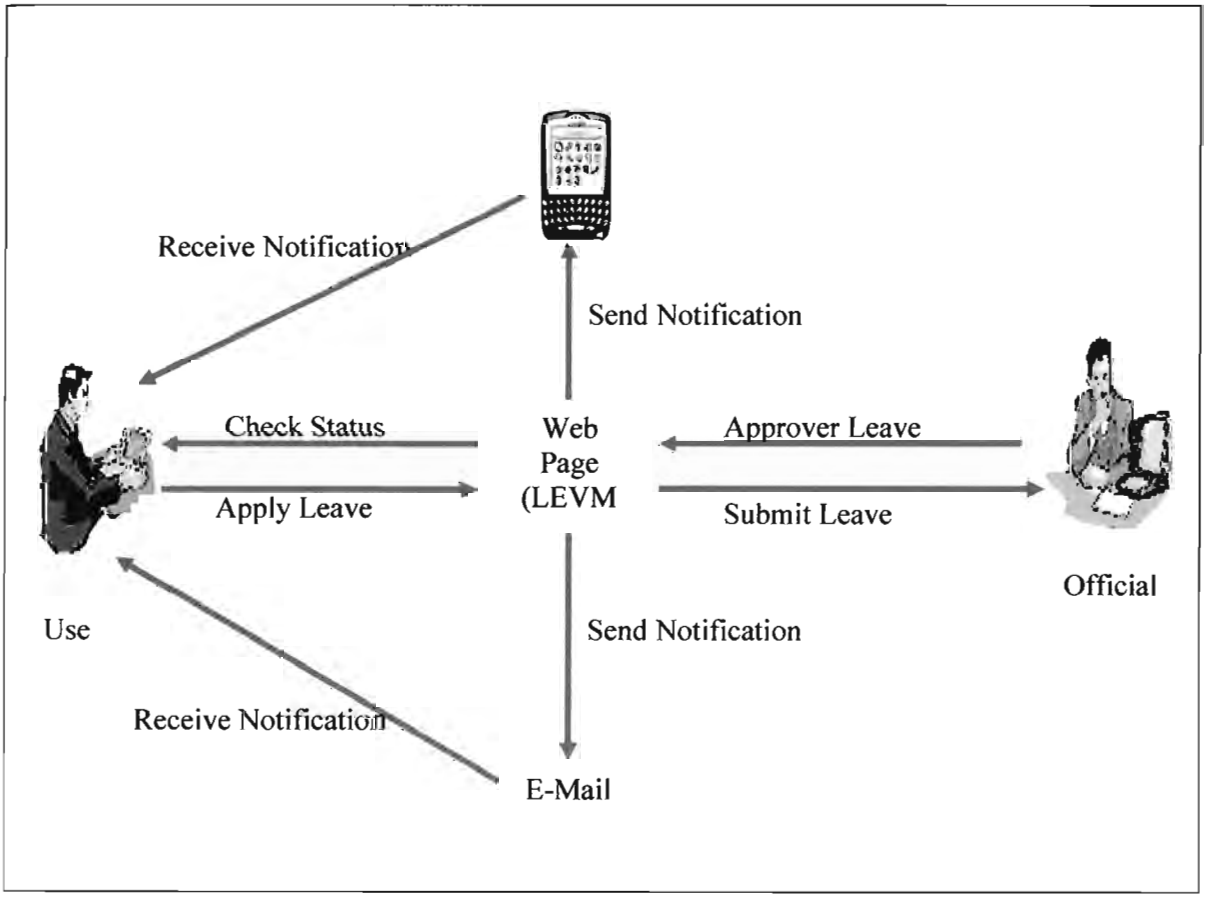

Figure 1.1: Level of approval for Leave Management system

1.7 Conclusion

In short, Enhancement of Leave Management System is user friendly and easy to use. It provides by Admin or staff and administrator profile and enables to approve leave. Documentation and user manual will also provided and help administrator in future maintenance.

Next chapter it is more about the research on the Enhancement of Leave Management System and the project methodology that used to develop this project.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This chapter is to discuss on how to develop this system. This chapter also includes the project methodology which is referring to the special tools and strategies data gathering and analysis for the project and it also explanation of the detail activities in the project. Methodology is defined analysis of the principles of methods, rules and postulates employed by a discipline. The purpose of why need for methodology is to apply a systematic way of project development and to describe the activities in the project development.

2.2 Domain

This topic will describe about the domain for this system. This system is to use for leave management system LEVMs.

2.3 Fact and findings

Day by day the technology in information technology is increasing. The modern technology can affect the progress, economy, culture, health, and well-being