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Perbadanan Tabung Pendidikan Tinggi Nasional (PTPTN)
Web portal / Mohd Zuhairi Zainal.

**PTPTN(PERBADANAN TABUNG PENDIDIKAN TINGGI
NASIONAL) WEB PORTAL**

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This report is submitted in partial fulfillment of the requirements for the
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ABSTRACT

The PSM project is responsible to develop a portal web system which is PTPTN portal web for Perbadanan Tabung Pendidikan Tinggi Nasional(PTPTN).The system that will be developed for the portal is online system. The portal web of PTPTN includes publish info about PTPTN, facility sms,revise loan application,make apply online loan, maintained the system, and so on.

This system will be divided to three user. The first user are student or public and the second is administrator PTPTN. Student or user can using access the system to make apply loan application and job online ,revise apply loan, make a comment at guestbook,info latest etc. Then staff PTPTN Student make a registration for make E-Complaint. Student also to download loan application form. Administrator is arranges maintain the database record and system.

The proposed of the system is likely to ease the management of the PTPTN in terms of time used to handle the application, latest information and revision etc. Besides, this system also allows the user access the information of the PTPTN wherever they are connecting to the internet. In addition, it save money and time to maintain the system. This system also has a security to prevent an unauthorized user access this system. With this system that we are going to develop, the management of the PTPTN will be more systematic than the manual system.

ABSTRAK

Projek yang dibangunkan adalah PTPTN Web Portal untuk Perbadanan Tabung Pendidikan Tinggi Nasional (PTPTN). Projek yang dibangunkan ini adalah web sistem berdasarkan online. PTPTN Web Portal ini merangkumi maklumat terkini mengenai PTPTN, semakan permohonan, kemudahan sms, membuat permohonan secara online, penyelenggaraan sistem dan lain-lain lagi.

Sistem ini terbahagi kepada 3 pengguna iaitu pelajar, staff dan administrator. Pelajar boleh mengakses sistem dengan membuat semakan permohonan, membuat permohonan secara online, menulis komen pada guestbook, maklumat terkini, maklumat mengenai PTPTN dan lain-lain lagi. Pelajar juga boleh menggunakan kemudahan untuk mendownload borang permohonan. Staf juga boleh menggunakan kemudahan pengaduan di halaman E-Complaint. Walau bagaimanapun, staf mestilah membuat pendaftaran login dahulu sebelum menggunakan halaman E-Complaint ini.

Tujuan utama sistem ini dibangunkan adalah untuk menggantikan web lama dengan menambah fungsi-fungsi baru seperti membuat semakan permohonan dan lain-lain lagi. Pengguna boleh melayari informasi PTPTN di mana sahaja mereka berada. Ini akan menjimatkan masa dan wang. Web sistem ini juga mempunyai langkah keselamatan sebelum pengguna dapat akses yang seterusnya.

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CHAPTER I

INTRODUCTION

1.1 Project Background

The system will be naming as ***PTPTN WEB PORTAL***. It will be develop to ease the way of management, control and action for PTPTN administration's or department. The system that will be developed for the portal is online system. The portal web of PTPTN includes publish info about PTPTN, view application,online application maintaining the system,comment in guestbook,free sms,E-Complain,job application,sms and so on.

The proposed system is likely to ease the management of the PTPTN in terms of time used to handle the online application, such as update information and revision etc. Besides, this system also allows the user access the information of the PTPTN whenever they are connecting to the internet. In addition, it save money and time to maintain the system. This system also has a password to prevent an unauthorized administrator access this system. With this system that we are going to develop, the management of the PTPTN will be more systematic than the manual system.

This system can be use by any students or staff even for the user with low computer literary, due to the reason that this system s easy to lean and understand by the users and it is also user friendly. Besides that, this new proposed system can also help the organization to solve the main power shortage and reduce student's time. Regarding of the requirement of the developed system, students is allowed to revision and make an loan application wherever they are by on-line while the management may easily to manage database and get information. User also use facility free sms for send message

1.2 Problem Statement

From the observing and the questionnaire, we found a lot of problem. The problem still exists in the current system which is:-

1.2.1 Software

The old web system already exist develop used **lotus** and **Microsoft Access** by web company. PTPTN organization want to upgrade the new web system use new software. So The new web system can use Macromedia Dreamweaver2004 MX and wamp5_1.4.4(PHP database),Swish and Adope Photoshop because it's more easily performing many of the tasks

1.2.2 Website not online

The old web system have not online such as view application and loan application online. Student can still using manual system for revise application and make apply loan using form application . It's also haSo The new web portal can will be have facility for student to make apply loan online and revise loan application

1.2.3 Interface

Interface not user friendly and complicate. the current system is lacking and sometimes not update. Student can be confuse because it didn't not latest news. PTPTN organization want to upgrade the new interface.

1.2.4 Facility for user

The web portal have not to facility link government management, IPTA and IPTS website, make a comment, download form application etc. The new web portal will have adding information likely hyperlink the government management, hyperlink IPTA and IPTS, E-Complain, pelan PTPTN, info, comment, and etc.

1.3 Objective

1.3.1 Adding function

Add function likely loan application online ,view data by admin and user, guestbook, hyperlink website, job application, E-Complain and download form(application), job application.

1.3.2 User Authentication

This system have a User Authentication or Login interfaces for admin. The user must enter their username and password to access this system.

1.3.3 Facility Application

To ease the way for the students to make revision application and make apply online loan. It's can student to save time and money.

1.3.4 Facility Information

To facility the user get latest information about PTPTN news and writing latest information.

1.3.5 Software

PTPTN web portal can develop use Macromedia Dreamweaver2004 MX and wamp5_1.4.4(PHP database),Adope Photoshop and Swish.

1.4 Scopes

1.4.1 Publish Information

Publish info to public. The user can access about PTPTN information, make a comment,latest information etc. The adminstrator can maintainence the system

1.4.2 Open source

Toward open source system because it's very cheap cost than old system.

1.4.3 Replaced current system

To replaced the current system (manual system) to the flexible, systematic and more efficient and effective system.

1.4.4 Online System

The new web portal to facility student download form,revision and make application by online

1.4.5 Security

The new system also have a security system. This system can have login which the student can enter IC Number access system. Staff and admin also use Id staff and Id Admin to access the system.

1.4.6 E-Complain

The system will have a components or part which allowed user (all user in PTPTN including staff) can enter the relevant complaint information (create new complaint)

1.5 Project significance

The project significance of this system is it will be developed based on the online system. The user will get more benefit are the students will have a better service from the PTPTN organization. This system is more important because it does help the management of PTPTN to manage their system in systematic manner. This system is also lacking to record the view information and online loan application.

This system will be divided in to three user. The user are student or public admin PTPTN. Admin PTPTN will arrangend maintain the database record and update application system. Secondly, students can download application form, writing latest info about the PTPTN, view application, applying online and give comment in guestbook. User also can make a job application, and make a result for job application. Student also user can also access link website government organization, and website IPTA/ IPTS .Finally, staff ptptn can make a relevant complain such a problem at department, complain about any damage of computer at E-Complain

This system also can help the staff to find the information about loan application that have been register in database. So, student did not need to fill up about their information for registration. This system can give more benefit not only for the PTPTN organization, but it also for students and staff.

1.6 Expected Output

The expected output of this system is it will be used by staff and student to facilitate them to access the system using the website. This system can give staff and student convenience to make a registration for student as user and to maintain the system for staff. Student or user must finish completed the registration form before enter the IC number and Password to make applying online. Student can also to review online application by IC number. User can make a job online. User also make revise result application by searching IC number and list name .

Secondly, administrator is to the maintenance for website system. It's able to receive and update the website information's, news and its component such as banner. These maintenance tasks will be managed by staff at Information Technology department. System will request staff username and password before allowed to log in into the System Administrator.

Thirdly, staff ptptn can make a relevant complain such a problem at department, complain about any damage of computer at E-Complain. Then staff can revise complain after admin can take action.

Finally, The website will be able to give latest information about PTPTN organization and managements, give comment in guestbook, access link website government organization, facility free sms and website IPTA/ IPTS.

1.7 Conclusion

The PTPTN Web Portal is a fully computerized system to manage information about PTPTN, where we can download application form, and apply online develop for PTPTN Web Portal. This system can be use by any students or staff even for the user with low computer literacy. Due to the reason that this system s easy to lean and understand by the users and it is also user friendly.

Besides that, this new proposed system can also help the organization to solve the main power shortage and reduce student's time. Regarding the requirement of the developed system, student is allowed to revise and make online loan application while the management may easily manage database.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This literature review is meant for searching ,collecting, analyzing and drawing conclusion from all debates and issues raised in relevant body of literature. It's also to identify important key points associated theory and previous, completed research. Methodology is a way to use all available technique,tools and approach used to achieve predetermined objective of software products. The literature has to be done first before proceeding to the development process it will an in-depth understanding on *PTPTN WEB PORTAL* at Perbadanan Tabung Pendidikan Tinggi Nasional,Kuala Lumpur. This chapter will explain fact and finding, discusses about the proposed solution including the technology, tools, methodology and models used. Project methodology that involved in developing this system is Object Oriented Analysis and Design (OOAD) using Rational Unified Process (RUP) and Unified Modeling Language (UML).

2.2 Fact and finding (based on topic)

Before developing the system, I have done to make a research for literature review at PTPTN department, internet and books. From my observation and questionnaire at PTPTN Department, they are still using the manual system on view application loan. Below I will explain about PTPTN organization and the comparison between the old PTPTN web and PTPTN web portal that I want to develop.

2.2.1 About PTPTN organization

The National Higher Education Fund (Perbadanan Tabung Pendidikan Tinggi Nasional, PTPTN) was established under the National Higher Education Act 1997 (Act 566) and started fully operating on 1 November 1997. Its main objectives are to provide loans to eligible students at higher learning institutions to provide saving schemes and manage funds for higher education. Applications can be made through PTPTN Website. Application forms can also be obtained from PTPTN. Since 3 August 2000, PTPTN possess 47 proficiency permanent and 40 likes' part time. The leader of management is chief executive and assists by student loan division, savings student division, corporate division, and inner side audit unit.

2.2.2 Comparison between the current system (Manually System) and an new PTPTN web portal.

At the end of my analysis about the current system at PTPTN organization, I had identify the main problem that staff and student. From the review and observation that I have done there are several comparisons between current system and the system that will develop. Below is the table of comparisons:-