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ATTENDANCE MANAGEMENT SYSTEM USING BIOMETRIC
FINGERPRINT AUTHENTICATION TECHNOLOGY (FAT)

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CERTIFICATION OF APPROVAL

Attendance Management System Using Biometric Fingerprint Authentication Technology (FAT)

by

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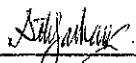
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CERTIFICATION OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons.


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ABSTRACT

This Final Year Project Part II final report concerns with the approach to an online system called Attendance Management System using Biometric Fingerprint Authentication Technology (FAT) proposed for Universiti Teknologi PETRONAS. In current system, students' attendance is tracked manually using attendance sheet. The paper will be passed around and students are required to sign on it. Later, lecturer will check the paper and mark on the empty column. Basically, the system is proposed so that it can capture student's daily attendance accurately because it will use fingerprint as the main input to access the system. It can help to enable the lecturer to reduce the buddy signed on and unauthorized attendance. This system will involve some hardware devices such as fingerprint reader and also some software to support this system. It is developed mainly using PHP and MySQL. The system can be seen as reliable and convenient since fingerprint authentication is one of the most reliable authentication methods. This system is built so that it can solve the problem occurred with the current system and provide more accurate student daily attendance details for future used.

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ABBREVIATIONS

1. UTP – Universiti Teknologi PETRONAS
2. AMS – Attendance Management System
3. FAT – Fingerprint Authentication Technology
4. CIS – Computer Information Science
5. FYP – Final Year Project
6. IAI – International Association for Identification
7. UML – Unified Modeling Language
8. LAN – Local Area Network
9. SWOT – Strength, Weakness, Opportunity and Threats
10. ERD – Entity Relationship Diagram

CHAPTER 1: INTRODUCTION

1.1 Background of Study

The world is becoming more advanced technologically and development of intelligent system makes life easier. One of the technologies is developing the pattern recognition. Pattern is an arrangement of lines, shapes, color etc and while recognition is the action of recognizing of somebody or something or of being recognized. Therefore, the pattern recognition is to identify the pattern or unique characteristic of something that is recognized by the system when the capability of human eyes is limited such as when the pattern is similar or small to be recognized. Pattern recognition is usually used in weather forecasting, speech recognition, medical activities, security application and biometric such as using the fingerprint. Biometrics is a science of automatically identifying individuals based on their unique physiological or behavioral characteristics. For the wide spread use of the biometrics to materialize, it is necessary to undertake systematic studies of fundamental research issues underlying the design and evaluation of identification systems. Biometrics provides a securer solution comparing with PIN or Smart Card identification. Biometrics can also be widely found in many other applications such as time attendance management. In UTP, most of the existing student's attendance systems are based on attendance sheet. Lost and damaged sheet and cheating for forged signature can lead to low of student quality. Using student's fingerprint to mark attendance instead is far more accurate, efficient and cheats proof. The daily attendance report can help the management to save a bundle of time. By using this new proposed attendance management system using biometric Fingerprint Authentication Technology (FAT), user's identity is authenticated by matching current measurements of his biometric properties with measurements taken and stored during the enrolment process.

1.2 Problem Statement

All UTP students are required to attend all lectures, laboratories, tutorials and other academic activities. The minimum percentage for attendance requirement is ninety percent (90%) for each of the courses taken. Failing to do so might cause students to be prohibited from sitting for final examination or being barred from the exam. In order to track the students' attendance, most of the lecturers use attendance sheet which is passed and distributed around the class. This regulation causes students to present in all classes. However, not every times students could obey the rules. Sometimes, when they have other activities to attend and when this situation is inevitable, they will ask their friend to forge the signature. The other problem is the attendance sheet might be tearing off or lost and the attendance for that day cannot be recorded.

1.3 Objectives

The objectives of the new proposed attendance management system using biometric Fingerprint Authentication Technology (FAT) are as follows:

- To capture student's daily attendance details
- To enable lecturers to reduce the buddy signed on and unauthorized attendance.
- Reduce the possibility of losing attendance sheet.
- To search on the latest method or technology of identification system (biometric technology)
- To design the interface for the machine upfront and the screen layout.
- To design the real product of the online Attendance Management System using Biometric Fingerprint Authentication Technology.

1.4 Scope of Project

For this attendance management system using biometric fingerprint authentication technology project, the scopes of the system are stated as follows:

- Research on biometric technology focusing on fingerprint authentication
- Studies on the issue of biometric fingerprint technology
- Study on the conceptual design and development of a verification system
- Study on the SDK Biokit for Fingerprint Reader device
- Study on the configuration part for this system

1.5 Significance of the Project

The concept of biometric fingerprint authentication system is to offer the following benefits to the society:

- Convenience – Biometric can indeed make a system easier to use since the clients no longer has to remember their username and password to enter the system.
- Greater security – Biometric link a person to an action.
- Local verification – Clients hold their identity information so there is no need to verify identity via a central repository or server.
- User identity is stored safely and tamper-free
- Decrease error of the use of the attendance sheet.

1.6 Feasibility of the project within the scope and time frame

The system will be designed to recognize and detect the random forgeries. Due to the time constraint (we are given 14 weeks to study and develop the system), system's function will be limited in recognizing the fingerprint as the main input and the attendance tracking itself. This is to ensure that the system could be completed within allocated time frame.

USB fingerprint reader would be used to acquire the image. Any ordinary scanner or reader with enough resolution could be used for the image acquisition. *Microsoft Optical Desktop with Fingerprint Reader* is one of the options that will be used in this system as an input device. The use of this device is intentionally for the prototype of this system only because of its small scale.

PHP and MySQL will be used as main developing software. PHP is an open source server side scripting language which has become incredibly popular within the web development community. Furthermore, it is highly compatible with other open source technologies including MySQL and Apache which will be used in this proposed system.

CHAPTER 2: LITERATURE REVIEW

2.1 What is Biometric?

Biometrics (ancient Greek: bios ="life", metron ="measure") is the study of methods for uniquely recognizing humans based upon one or more intrinsic physical or behavioral traits. In information technology, biometric authentications refer to technologies that measure and analyze human physical and behavioral characteristics for authentication purposes [1]. Examples of physical (or physiological or biometric) characteristics include fingerprints, eye retinas and irises, facial patterns and hand measurements, while examples of mostly behavioral characteristics include signature, gait and typing patterns. All behavioral biometric characteristics have a physiological component, and, to a lesser degree, physical biometric characteristics have a behavioral element.

Biometrics is the method to recognize or verify the identity of an individual based on its unique physiological or behavioral characteristics such as Fingerprint, face, palm, iris, retinal, vein, voice and handwriting [2]. Fingerprint verification is the most established and matured biometrics techniques. We will only focus on fingerprint technology hereafter. The author will make a comparison for each and summarize detail on the fingerprint technology. Fingerprint identification is the most commonly recognized and most widely applied form of Biometric technology. Fingerprint ID is base upon the fact that a person's fingerprint is completely unique to an individual. A fingerprint is made of series of ridges and furrows on the surface of the finger. The uniqueness of a fingerprint can be determined by the pattern of ridges and furrows as well as the minutiae points. It is the oldest biometrics method and has already been used for a long time.

Biometrics way is a measurable physical or behavioral characteristic of an individual. The physical and behavioral characteristics chosen to identify identity should basically satisfy the universality, uniqueness, permanence, collectability and acceptability.

Biometric systems can be classified into two types which are application type and technology type [23].

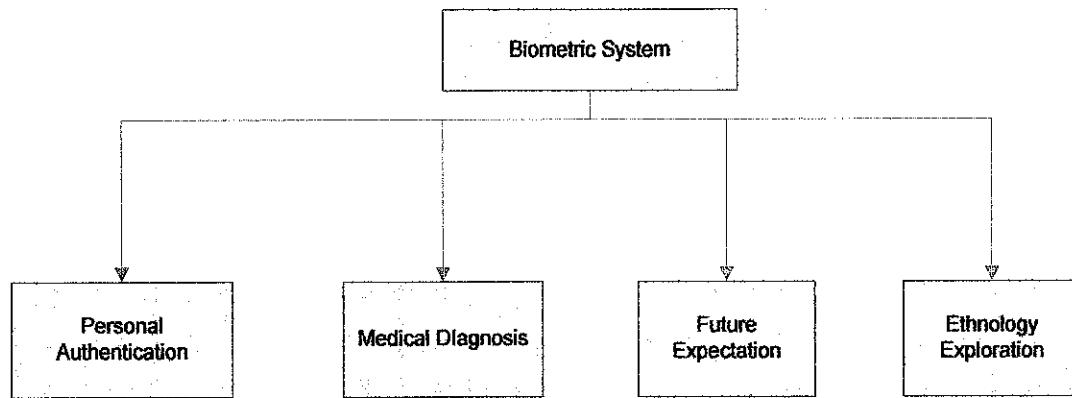


Figure 2-1 : Taxonomy by application type

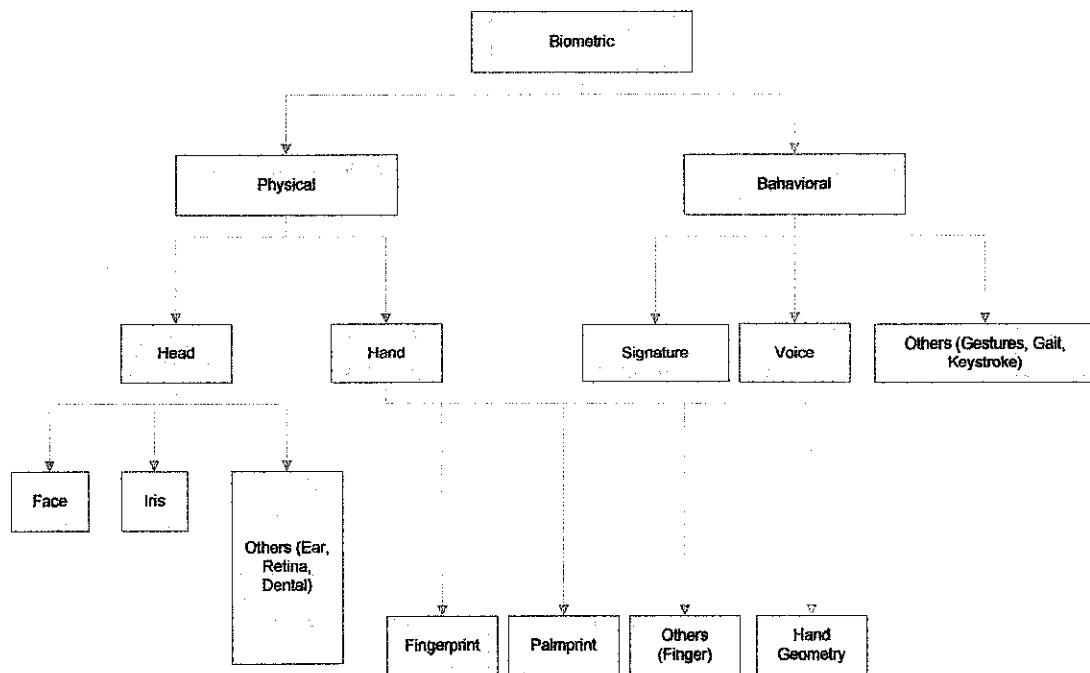


Figure 2-2 : Taxonomy by technology type

2.2 How Does Biometric System Works?

Generally, all biometrics systems contain two parts which are enrollment part and identification part. The enrollment part functions to have a user's characteristic registered so that it can be used as criterion when identification is performed. It involves sample capturing, feature extraction and storage. The identification part provides the user interface to have the end user's characteristic captured and verified. It involves four stages which are capture, feature extraction, comparison and decision [23].

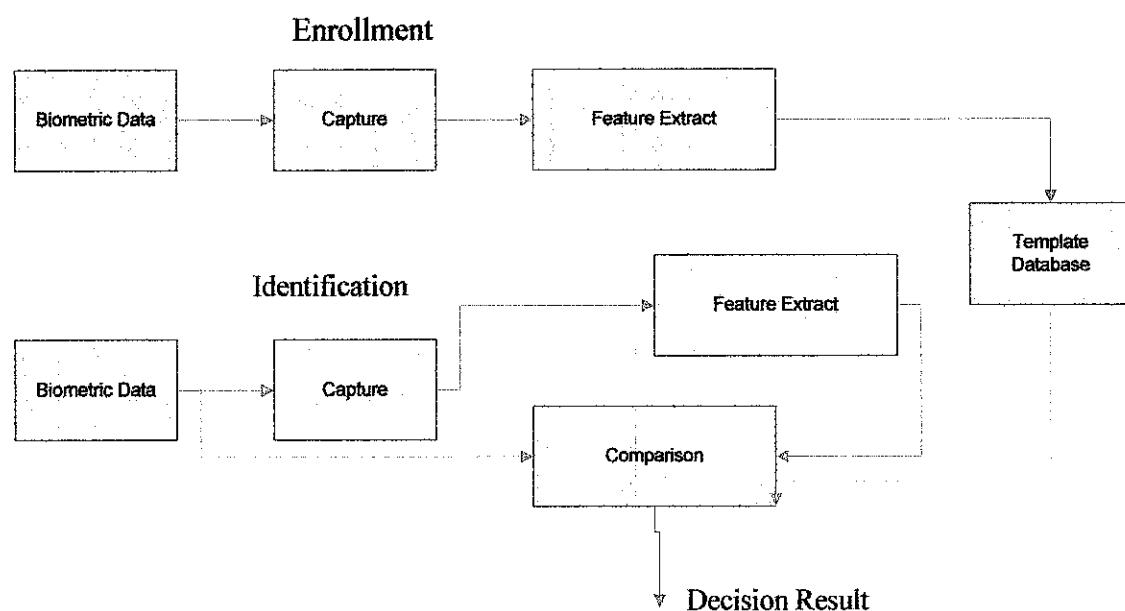


Figure 2-3 : General procedure of biometric system

Actually the principal behind the biometrics data capture is simple. A biometric system must have a sensor that pick up a physical characteristic, convert it into digital pattern and compare it to stored patterns for identification. For example, with fingerprint imaging, a person authorized to access secure files or a system submits his or her fingerprint to a digital scanner. This digitized print is stored in a computer library for retrieval when access is requested. An authorized user places his or her finger on a reader or scanner and the resulting image is compared to the software library image. If there is a match, access is granted.

2.3 What is Fingerprint Authentication?

Fingerprint authentication refers to the automated method of verifying a match between two human fingerprints. Fingerprints are one of many forms of biometrics used to identify an individual and verify their identity. The use of fingerprints as biometric is both the oldest mode of computer-aided, personal identification and the most prevalent in use today [24]. This article touches on two major classes of algorithms (minutia and pattern) and four sensor designs (optical, ultrasonic, passive capacitance, and active capacitance). The analysis of fingerprints for matching purposes generally requires the comparison of several features of the print pattern. These include patterns, which are aggregate characteristics of ridges, and minutia points, which are unique features found within the patterns. It is also necessary to know the structure and properties of human skin in order to successfully employ some of the imaging technologies [3].

2.4 Why Fingerprint Authentication?

Fingerprints offer an infallible means of personal identification. Other visible human characteristics will be changed but not for fingerprint. The science of fingerprint identification stands out among all other forensic sciences for many reasons, including the following [4]:

- No two fingerprints have ever been found alike in many billions of human and automated computer comparisons.
- Established the first forensic professional organization, the International Association for Identification (IAI), in 1915.
- Established the first professional certification program for forensic scientists, the IAI's Certified Latent Print Examiner program (in 1977), issuing certification to those meeting stringent criteria and revoking certification for serious errors such as erroneous identifications.

- Remains the most commonly used forensic evidence worldwide - in most jurisdictions fingerprint examination cases match or outnumber all other forensic examination casework combined.
- Continues to expand as the premier method for identifying persons, with tens of thousands of persons added to fingerprint repositories daily in America alone - far outdistancing similar databases in growth.

2.4 Automatic Fingerprint Recognition

Automated algorithms for fingerprint recognition have long been a problem studied in computer science. Since every person has a unique set of fingerprints, this method has become common for personal identification. Databases consisting of millions of fingerprints are stored on file for this purpose. It is our hope to be able to provide significant speed improvements in the fingerprint matching phase [20].

In order to implement a successful algorithm of this nature, it is necessary to understand the topology of a fingerprint. A fingerprint consists of many ridges and valleys that run next to each other. The ridges bend in such ways as to form both local and global structures (see Figure 2-4); either of which can be used to identify the fingerprint. The global level structures consist of many ridges that form arches, loops, whirls and other more detailed classifications. The local level structures, called minutiae, are further classified as either endpoints or bifurcations. Minutiae are also given an associated position and direction [20].

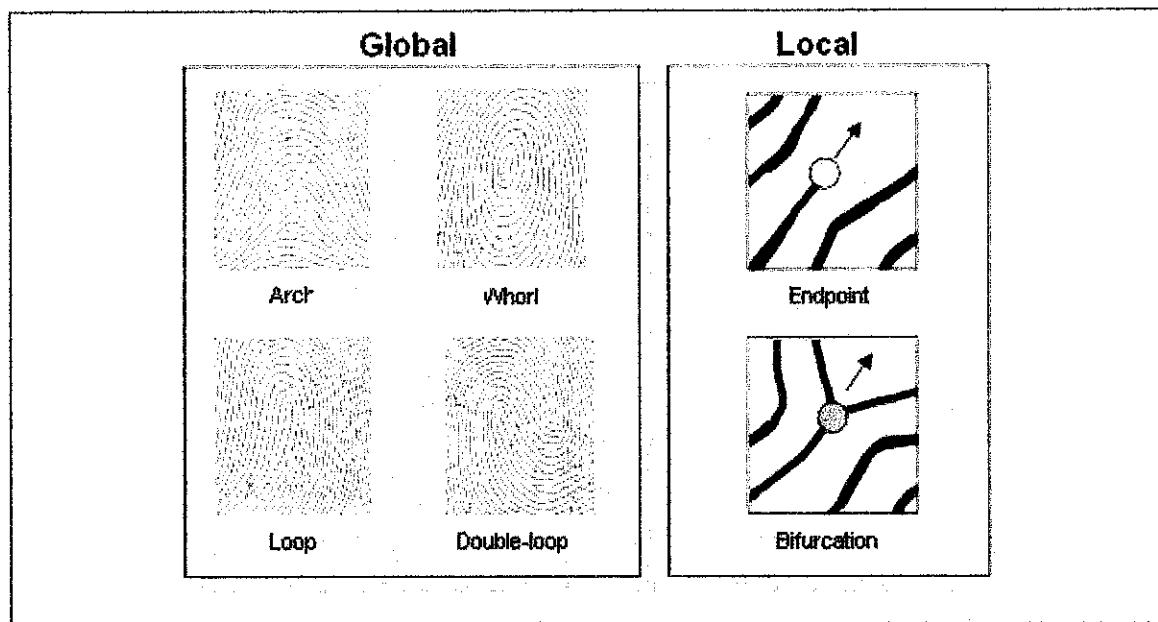


Figure 2-4: Global and Local Fingerprint

The procedure that was used for minutiae extraction can be implemented reliably and efficiently. Most other methods studied were far more complicated and did not necessarily improve efficiency. In any case, the minutiae extraction process is required only once per fingerprint test, which makes the running time of minutiae extraction negligible when compared to the running time of the matching phase over a large database. The results at successive stages in the minutiae extraction process are shown in Figure 2-5.

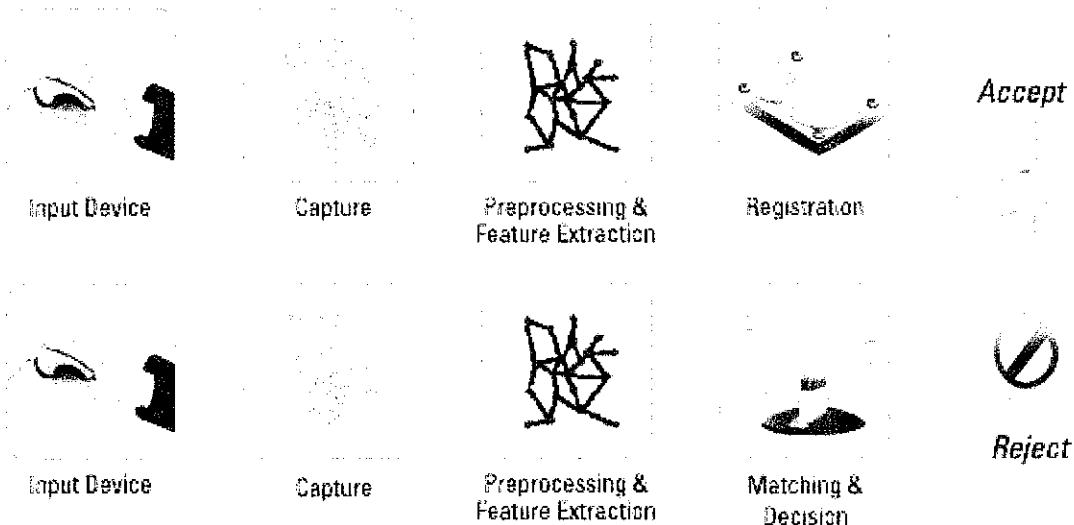


Figure2-5: Fingerprint Authentication Process

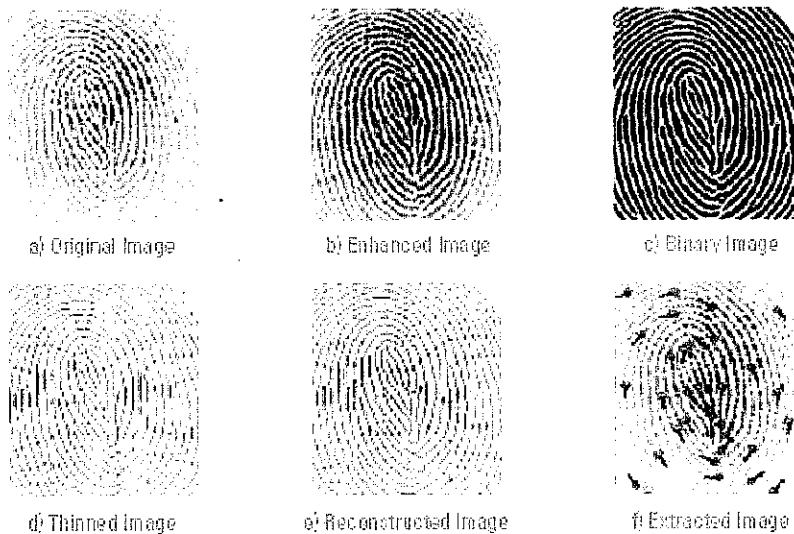


Figure 2-6: Images of Fingerprint

Matching can be separated into two categories; verification and identification. Verification is the comparisons of a claimant fingerprint against an enrollee fingerprint where the intention is that the claimant fingerprint matches the enrollee fingerprint. Identification is the traditional domain of criminal fingerprint matching. A fingerprint of unknown ownership is matched against a database of known fingerprints to associate a crime with an identity [24].

CHAPTER 3:

METHODOLOGY

3.1 Data collection method

The author used 4 types of different methods for data collection. There are:

- Observations
- Reading
- Questionnaires
- Interview

3.1.1 Observations

In observations, the author play two roles while generating data – that of a non participant-observer or participant observer. For non participant-observer, the author collected the needed data without becoming an integral part of the system. While for the participant observer, the author also plays the role by becoming part of the system user.

3.1.2 Reading

The author had done some readings from newspapers, magazines, case studies, white papers and journals that is relevant to the topics covered. The area of studies includes the frauds of the manual tracking system, biometric issues and about verification system. Besides that, the author had also collected lots of data from searching the web sites in order to gain knowledge on biometric products in current market. The findings from this method will be discussed in Chapter 4.

3.1.3 Questionnaires

During the data collection phase, the author had prepared a written set of questions to which respondents can record their answers. The questionnaires are distributed to 50 students of Universiti Teknologi PETRONAS to get their feedback on the current system and to test their knowledge on biometric technology. The results from the survey will be discussed in Chapter 4. The sample of Questionnaires is represented in **Appendix A**.

3.1.4 Interview

The author also conducts several interviews with UTP students and also administrator to have them explain the current processes and their feedbacks on each process. This will enable the author to know what their expectation for the new system to be developed. The description of the process that will be provided will list the advantages and also the drawbacks of the current system. Apart from identifying the current business processes, this method also enabled the author to eliminate the unnecessary flow in the processes and automating the manual processes. The interviews will give a better view of information faster and accurate.

3.2 Project Methodology

In this chapter, the discussion will be focused on the method that will be used in developing this system. Prototype Model has been chosen as a project methodology which consists of (i) Planning, (ii) Requirement Analysis, (iii) Design Phase with three different levels – High Level, Low Level, and Coding, (iv) System Prototype, (vi) Implementation Testing, and (vii) System Release. Each of the phases has its own role and reflects on how much the system will be progressing throughout the development stages of the system [5].

A prototyping based methodology performs the analysis, design and implementation phases concurrently and repeatedly in a cycle until the system is completed [5]. Descriptions for four basic roles in this methodology are as follows:

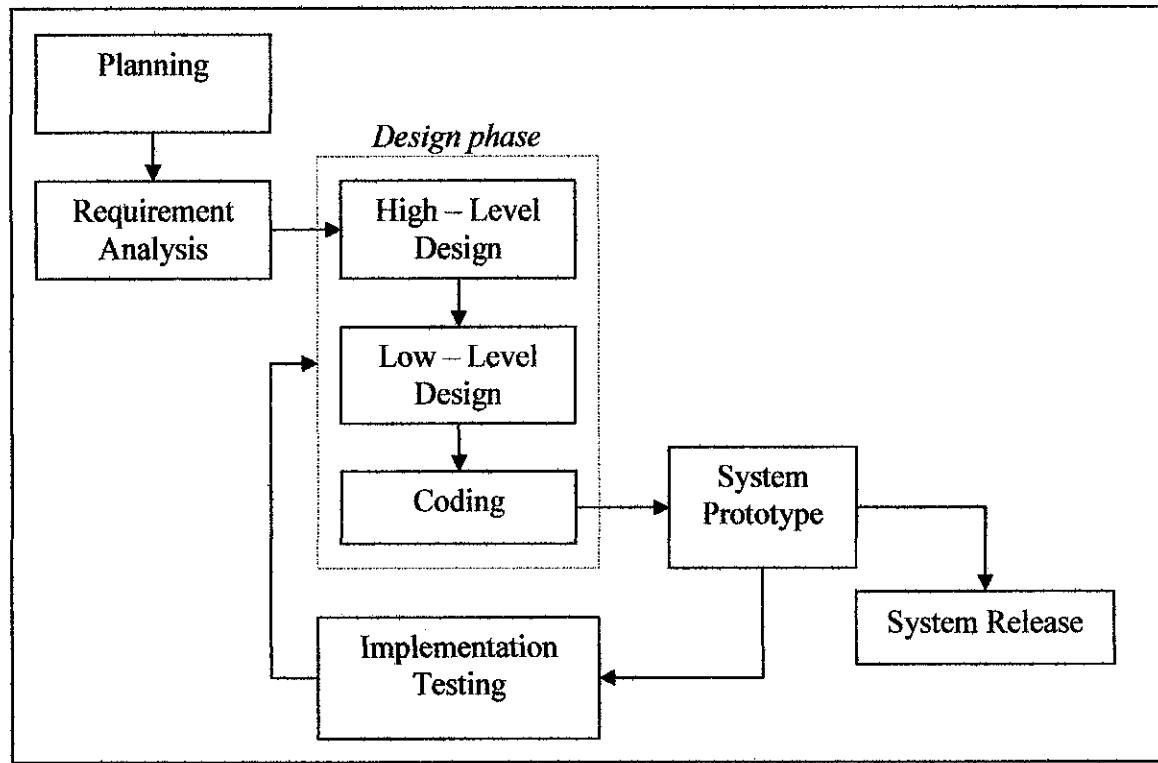


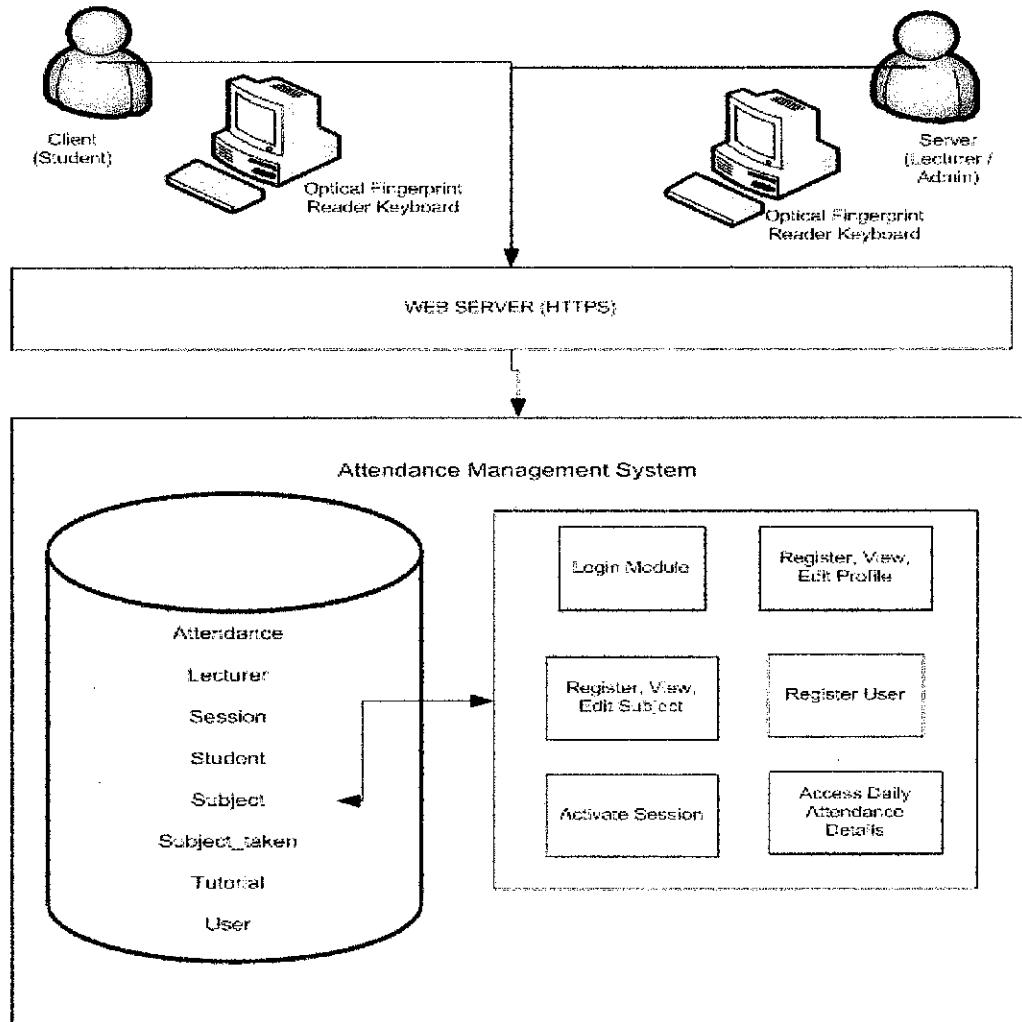
Figure 3-1: Prototype Model

3.2.1 Planning Phase

The purpose of having this phase is to identify the problem and find possible solutions by performing preliminary investigations or also called as a feasibility study. A feasibility study was done to ensure that the project could finish within time frame. The information obtained from the internet, books and journals. From that study, the milestones, project scope and objectives have been specified. During this phase, the information collected is mostly focus on choosing the project title. After going through some discussion with colleagues and lecturer, developer choose to work on developing an attendance management system using biometric fingerprint authentication technology. This phase also has been done to identify the architecture for the system development. The author conducts

planning for the project to identify the task for the system development. The result of this is a Gantt chart that is represented in **Appendix B**.

3.2.1.1 System Architecture



3.2.2 Requirement Analysis Phase

This phase was the most vital stage in the software development; without a clear view of the system requirement, the system will not meet the objectives or worst, it will show scope creep. In order to get the best understanding of the system requirement, it is a need to spend more time on this phase to do necessary researches and analyzing the existing business processes.

3.2.3 Design Phase

In this phase, it can be divided into three smaller sub – phases; the High – Level Design phase, the Low – Level Design phase, and also the Coding phase. All phases have been done concurrently after one another for each functional and non – functional requirement. This phase had been repeated for each requirement that has been analyzed via the previous phase.

3.2.3.1 High – Level Design

This phase is used to hash out the low level implementation details that relevant to each requirement planned in the high level design. The implementation details should be thorough enough to avoid any problem while constructing the coding later. In this phase, the object modeling structure will be used to discover the classes that needed to be hashed out and implemented. Use Cases are used; it will contain the descriptions of each processes and real life cases of system usage. The Use Cases and other types of UML such as the class and sequence diagram will allow the author to identify the objects and classes in the system and how they behave, interact and integrate within each other.

3.2.3.2 Low – Level Design

In this phase, the design of the each object can be assimilated; the objects will be determined whether to be put on the server or client, and also the delivery mechanism (such as web forms, database architectures etc.). The author designs the visual appearance or graphical interface in this phase. This will be done for each requirements stated; “quick and dirty” prototypes will be produced in this stage. However, these prototypes cannot perform the required functions; it will only visualize how the functions can be. In this phase, the prototypes will be developed in JSP formats, without the Servlets / web services that contain the working functions required.

3.2.3.4 Coding

Coding phase involves with programming the classes into Servlets and/or web services format. The author should hash out all details with regards to the requirements needed. This phase will involve a lot of time to construct and configure the working prototype. It will be repeated for each requirements being coded into web services to ensure that the coding work effectively and efficiently.

3.2.4 System Prototype

In this phase, prototypes is already been produced to a certain extent of functional requirements. The system prototype is not an end product; it will be refined for each requirements being added to make the system fully functional. This prototype will be tested for implementation in the next phase to ensure that the specific requirement works effectively and efficiently.

3.2.5 Implementation Phase

The implementation phase was including system prototype, implementation testing and also system release. System prototype is where the prototypes will be produced to certain extent of functional requirements. The system prototype is not an end product; it will be refined for each requirements being added to make the system fully functional. This prototype will be tested for implementation in the next phase to ensure that the specific requirement works effectively and efficiently.

In implementation testing, the prototypes that are produced to a certain extent had been deployed in the application server and testing will be done to ensure that functional requirements are working. This will save times to debug any problem compare to implementing full system and checking for every bug. The testing had been done based on the functional requirements and its integration with other functional requirements and the database access. The testing is already done in two parts; alpha testing to test the functional requirements, and beta testing to test the integration of one functional requirements and database access with another functional requirements. Alpha testing had been conducted by the developer itself, and the beta testing is done by the user to ensure that the system is working as expected. With this method of testing, the implementation of the system had been done increasingly. By the time the full system is complete, it is expected that the full system can be implemented in a specific environment as mention in the system requirement.

3.3 Tools Required

3.3.1 Hardware Specification

- Windows computer:
 - 2GHz Pentium 4 processor
 - Ethernet/modem
 - 512MB RAM
 - 40GB hard drive
 - CD reader
 - Windows XP Professional
- Microsoft Optical Desktop with Fingerprint Reader
- Server PCs – enrollment, monitoring and management (database).
- Networking – LAN connection (100 Mbps).
- Power supplies.

3.3.2 Software Specification

- Apache web server
- MySQL database
- PHP server side scripting

CHAPTER 4:

RESULTS AND DISCUSSIONS

4.1 Comparison on Biometric Measurement

There are many types of biometric measurements. The physiological measures, which are fingerprints, hand geometry, eye scanning (retina and iris) and face recognition.

Fingerprint identification is the most commonly recognized and most widely applied form of Biometric technology. Fingerprint ID is based upon the fact that a person's fingerprint is completely unique to the individual. A fingerprint is made of series of ridges and furrows on the surface of the finger. The uniqueness of a fingerprint can be determined by the pattern of ridges and furrows as well as the minutiae points. It is the oldest biometrics method and has already been used for a long time [3].

Hand geometry is based on the fact that virtually every person's hand is shaped differently and that the shape of a person's hand (after a certain age) does not significantly change. When the user places a hand on the hand reader, a three-dimensional image of the hand is captured. Then, the shape and length of the fingers and knuckles are measured. Depending on the data used to identify a person, hand reading technologies generally fall into one of three categories – application to the palm, the pattern of veins in the hand and the geometrical analysis of fingers [3].

Eye scanning can be divided into two different fields; which are the iris scanning and retina scanning. Iris is the colored band of tissue that surrounds the pupil of the eye. An iris recognition system uses a video camera to capture the sample while the software compares the resulting data against stored templates. The retina is the layer of blood vessels at the back of the eye. Retina scans are performed by directing a low-intensity infrared light to capture the unique retina characteristics. An area known as the face, situated at the center of the retina, is scanned and the unique pattern of the blood vessels is captured [3].

Face recognition systems identifies an individual by analyzing the unique shape, pattern and positioning of facial features. There are essentially two methods of processing the data: video and thermal imaging. Standard video techniques are based on the facial image captured by a video camera. Thermal imaging techniques analyze the heat-generated pattern of blood vessels underneath the skin. There are various recognition methods that emphasize identification based on the areas of the face that don't change, including upper sections of eye socket, area surrounding cheek bones and sides of mouth [3].

Although many parts of human body can provide data for electronic identification, users remain most comfortable offering their fingertips. Fingertip scanner are the most commonly used form of biometrics and the least expensive and easiest to deploy but not all scanners are the same. Some match the ridges in a thumbprint, others are straight pattern-matching devices and still others take unique approaches such as ultrasonic [2].

Characteristics	Fingerprints	Hand geometry	Retina	Face
Ease of use	High	High	Low	Medium
Reasons for errors	Dryness, dirt, age	Hand injury, age	Glasses	Lighting, age, glasses, hair
Accuracy	High	High	Very high	High
User acceptance	Medium	Medium	Medium	Medium
Required security level	High	Medium	High	Medium
Long-term stability	High	Medium	High	Medium

Table 4-1: Comparison of Biometrics

4.2 Discussions or issues on Biometric Fingerprint Authentication

Fingerprint is the most popular modality that is widely used in various authentication applications; PC logon, gate access control systems, and so on. The reason can be considered that fingerprint can achieve the best balance among authentication performance, cost, size of device, and ease of use. However, most of fingerprint authentication devices have some problems to be solved [6].

One is that captured images are easily affected by the condition of finger surface and it can degrade authentication performance. The other is that the problem of impersonation by artificial gummy fingers has been pointed out. To solve those problems, a new fingerprint authentication device that has a novel sensing principle has been developed. This device forms an image of fingerprint pattern based on optical characteristics of a finger's interior by scattered transmission light. The images so obtained are unaffected by the condition of finger surface such as dry or moist fingers or operating environment, and enable stable authentication processes. And it can differentiate between real fingers and fake gummy fingers made from gelatin or other material using optical characteristics. Because this device utilizes the optical characteristics inside a finger, it has possibility to achieve higher authentication performance by combining multiple characteristics of a finger's interior as a modality [6].

4.3 SWOT Analysis

SWOT Analysis, or sometimes known as the TOWS Matrix, is a strategic planning tool used to evaluate the Strengths, Weaknesses, Opportunities, and Threats involved in a project or in a business venture or in any other situation of an organization or individual requiring a decision in pursuit of an objective. It involves monitoring the marketing environment internal and external to the organization or individual [7]. SWOT essentially tells us what is good and bad about a business or a particular proposition.



Figure 4-1: SWOT Analysis Diagram for Fingerprint Authentication System

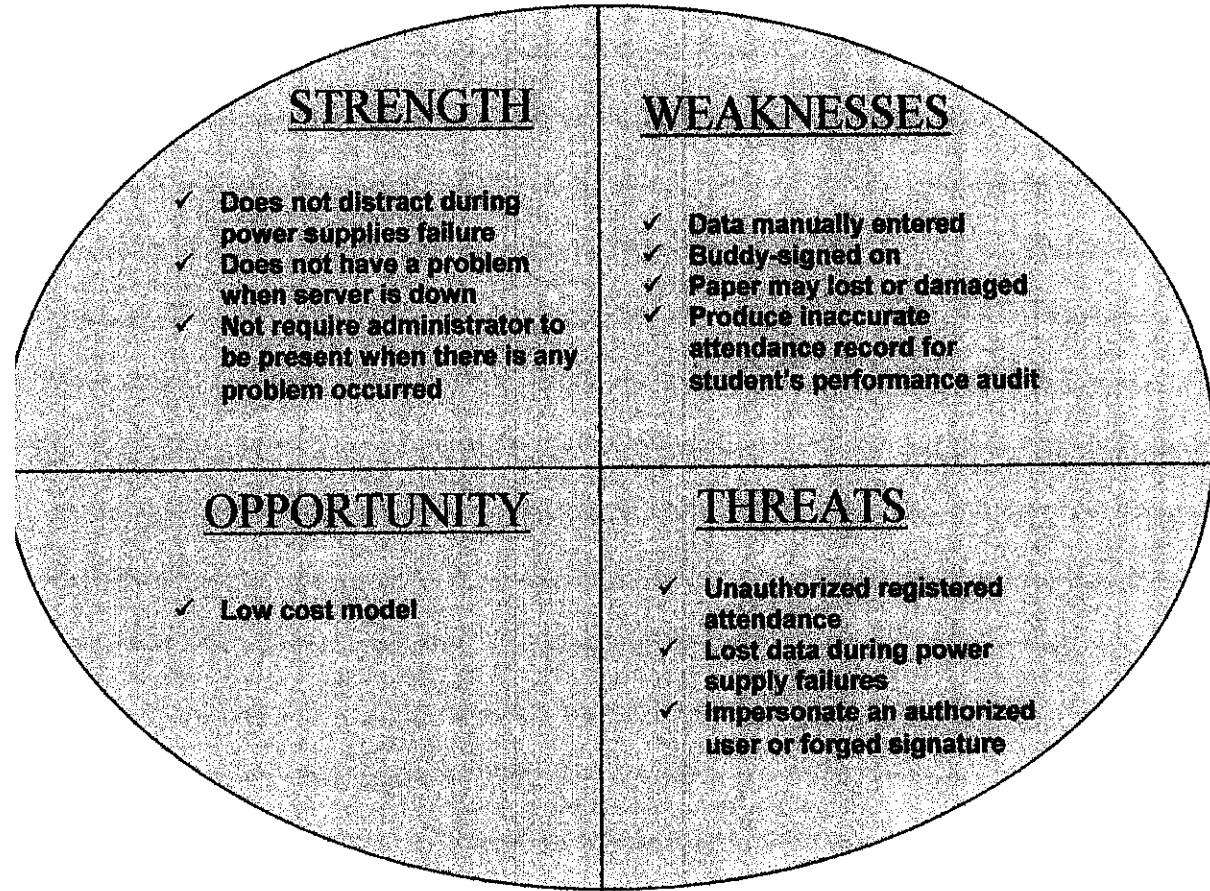
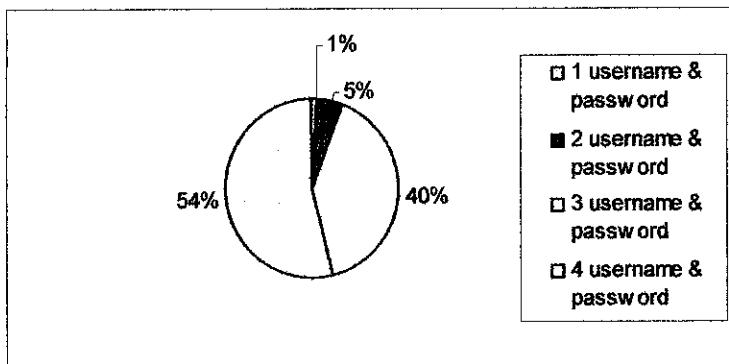


Figure 4-2: SWOT Analysis Diagram for Manual Attendance Tracking

4.4 Results from questionnaires.

Question 1: How many username and passwords have you owned before?

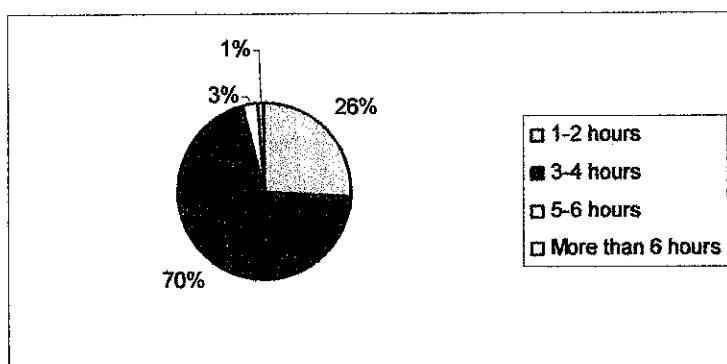
- A.1 B.2 C.3 D. More than 3



Question 1 was asked to know the average number of username and passwords owned by a person before. From the pie chart, we can see that the average username and password owned by a person is more than 3 that is 54%. The respondent for the questionnaires are taken among UTP students. This can show that a person has to remember many usernames and it's respective password in order to access particular system.

Question 2: How many hours do you spend for lab sessions per week?

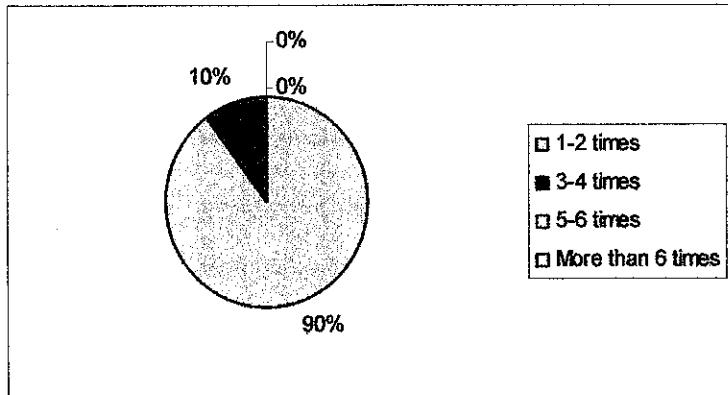
- A.1-2 hours B.3-4 hours C.5-6 hours D. More than 6 hours



Question 2 was asked in order to know the number of hours spent by a student for their lab sessions per week. From the analysis, we can conclude that most of the students spent roughly three to four hours per week to attend their lab sessions. We can say that it is a long period and there are possibilities for the lecturer to have rampant cheating by students for their presence in class and the signature on the attendance sheet.

Question 3: How many times do you have a replacement class / lab session per week?

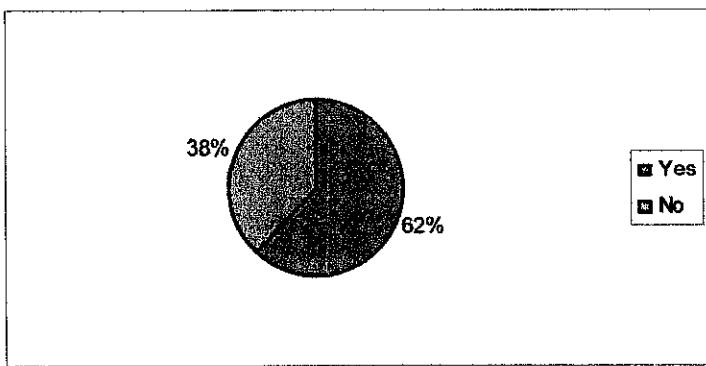
- A. 1-2 B. 3-4 C. 5-6 D. More than 6



Question 3 was asked in order to know how often the students have replacement class or labs per week for any reasons. From the analysis, we can say that most of the respondents have replacement class one to two times per week. This results show that they must have a proper system to track their attendance details so that there will no error-prone in calculating the percentage of attendance.

Question 4: Do you have a problem with the current attendance system which is using an attendance sheet?

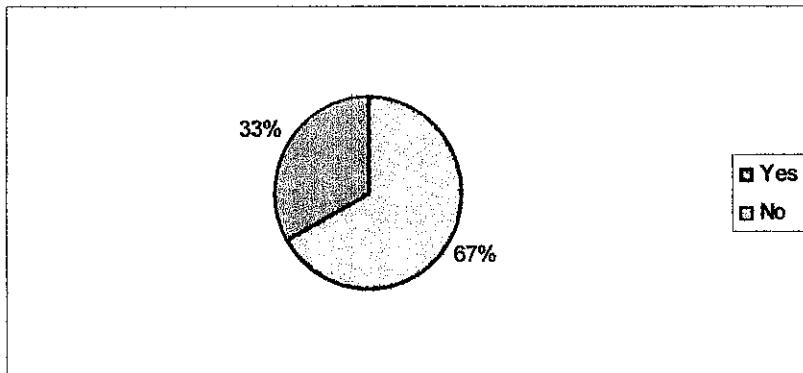
- A. Yes B. No, it is still okay.



62% of the respondents have experienced having problems with their current attendance tracking system. 38% said that the current system is still can be used. From this result, we can say that they need a proper and more reliable attendance tracking system since most of the students need to attend their classes or lab sessions for quite many days in a week.

Question 5: Would you ask your friend to forge your signature if you cannot attend the class?

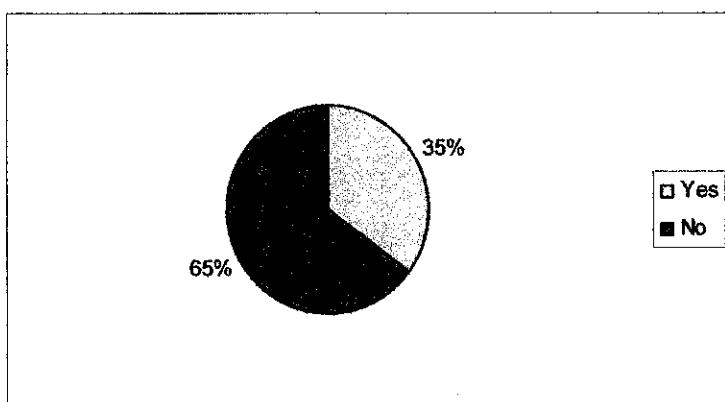
A.Yes B.No



It is a common thing for the users to ask someone else that they trust on to sign on their behalf attendance. That is why 67% of the respondents answer YES while 33% of the respondents would not ask anyone to sign the attendance sheet for them.

Question 6: Do you think the current manually attendance tracking system is reliable?

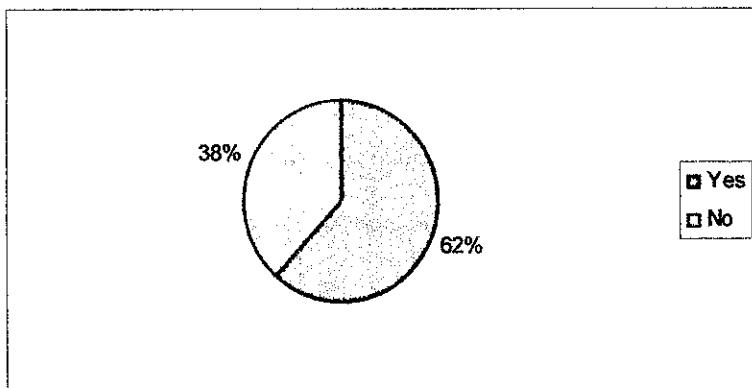
A.Yes B.No



More than half number of respondents, which is 65%, thinks that the current attendance tracking system is not reliable in today's world. Most of them think that with the movement of technology, people should not rely on paper anymore to track something that is important to them. On the other side, 35% of the respondents think that having this current system is still reliable because it is easy to use and because it has been used and trusted for a long time.

Question 7: Do you agree if current system is replace with biometric identification system (e.g: Fingerprint scanning) in order to track your daily attendance details?

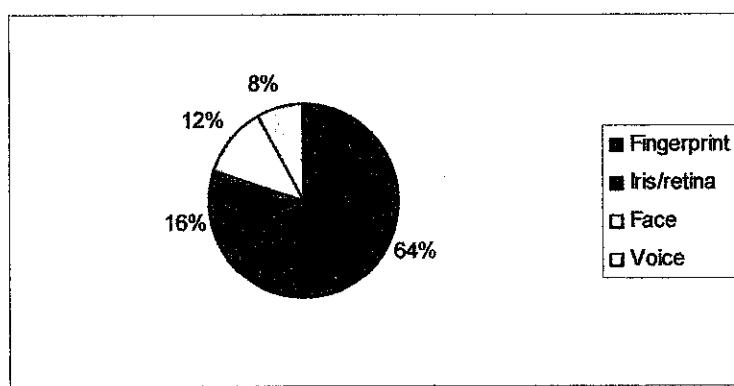
A.Yes B.No



The author gets a very good feedback from this question. Most of the respondents agree that current manual attendance tracking system should be replaced with biometric kind of identification. 62% of them can accept the idea and are looking forward for the new attendance tracking features. Only 38% of the respondents rejected the idea and still favor the typical version of the attendance tracking system.

Question 8: What kind of biometric that you find most comfortable with?

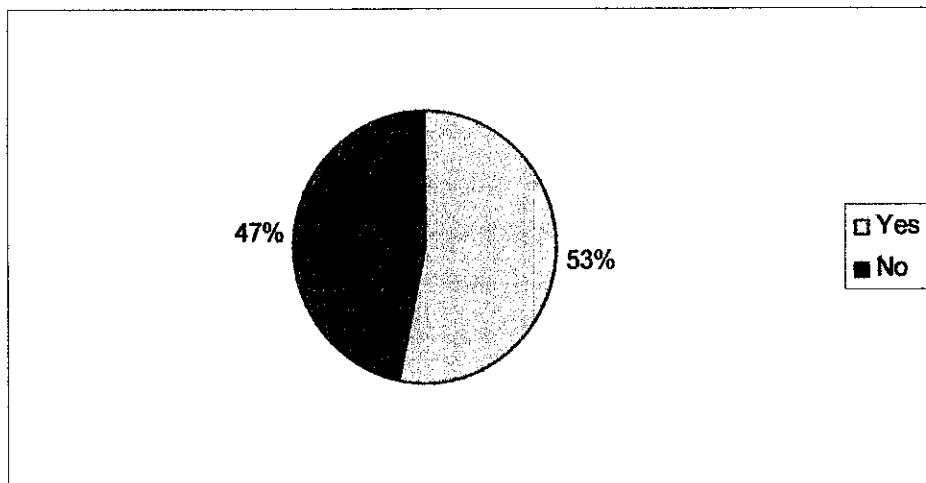
A. Fingerprint B. Iris/retina C. Face D. Voice



This question is to get user feedback on what biometric measurement that they comfortable with. From this result, the author can conclude that most users are comfortable with fingerprint biometric authentication technology. 64% choose A for fingerprint biometric. 16% favor iris/retina scanning. These respondents may be well-known with biometrics technology and choose iris/retina scanning because they know it is more accurate. Another 12% choose face and 8% choose voice recognition.

Question 9: Do you think that it is necessary to have an online attendance management system with biometric authentication technology?

- A. Yes B. No



The respond to this last question is quite balance. 53% of the respondents request for an online attendance management system with biometric authentication technology while 47% of them are comfortable with current system. From the result, the author found out that there's a need to have an online application with biometric authentication in order to ensure a reliable and effective security protection for the used of UTP students. Biometric verification and authentication is the most suitable alternative to replace the current manual system with fingerprint scanning as the favorable method selected by the respondents.

4.5 System Design

This is the stage, which need to identify the requirement for the hardware and software needed by designing the overall system architecture. System designed is involved with many diagram and flow of the data design. This focuses on high level design (what are we going to need and how they going to interact), low level design (how the individual programs are going to work), interface design (what are the interfaces going to look like) and data design (what data are we going to need). As designing this system, goals in designing the system have been identified which are:

- Usability – The system will be created mainly using PHP and MySQL.
- Portability – The system will support the hardware, fingerprint reader and the software used.
- Reliability – The system is reliable in verifying the pattern based on the training set and algorithm used.

4.5.1 Process Flow

In detailed system design, system models and conceptual design will be needed in designing the system. A system model is giving the detail of the system developed. A system model is an abstraction of the giving system being studied rather than an alternative representation of the system. So, the basic flow of this system is being described as follows:

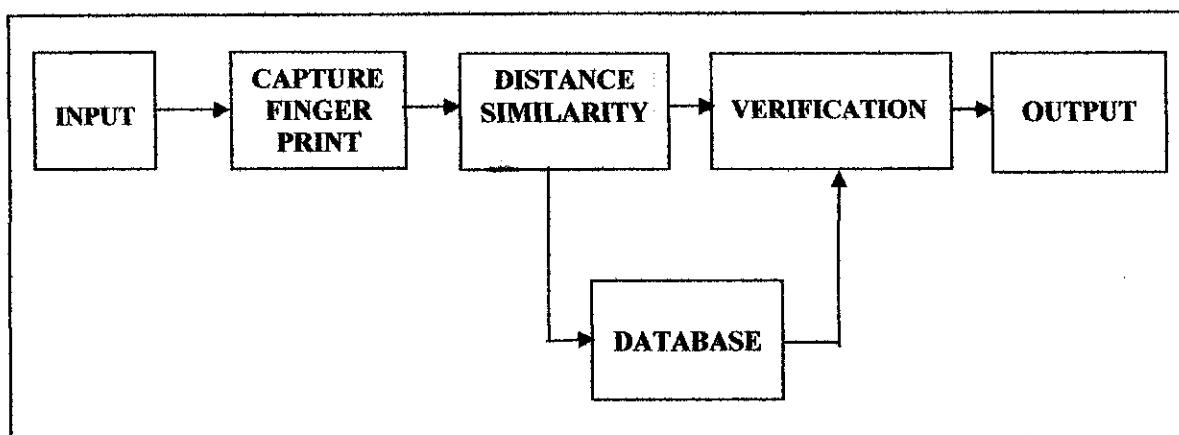


Figure 4-3: Basic flow of the system

This diagram is the basic flow of how the system will interact and works from the system receive the input until it produces the output. This is the current phase where the project is being developed. Besides that, to know the process of the system, a flow chart has been designed in the figure below:

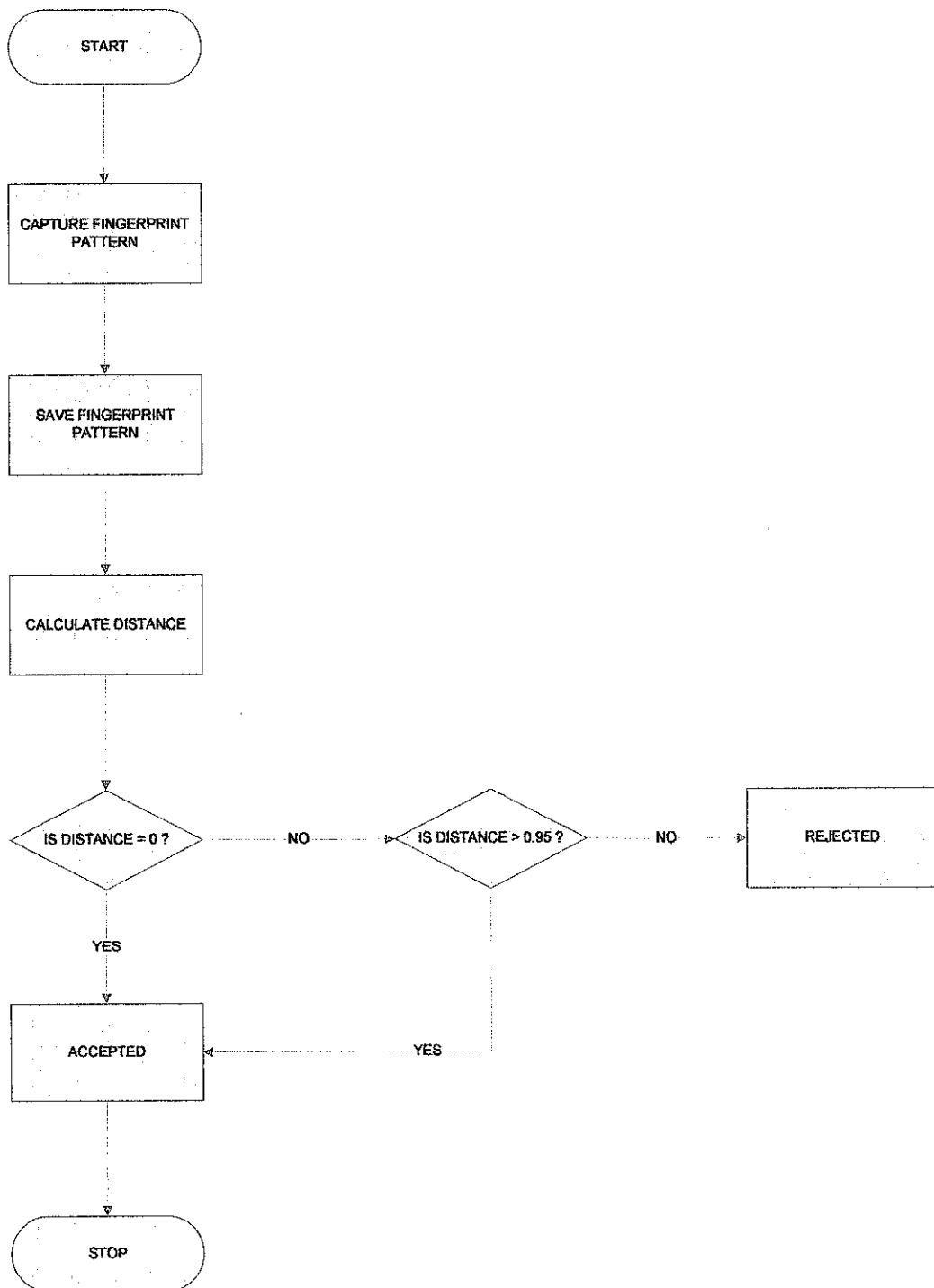


Figure 4-4: System flow chart

4.5.2 Use Case Diagram

The reason of the system architecture such as diagram flow, ERD or UML design is to have a clear view on the system in terms of the design view. UML diagram is used to show the relationship of modules to each other and communications between modules. Then, the conceptual design is used to create an abstract database structure that represents real world objects in the most realistic way possible. In this design, all the data needed are in the model and all data elements required by the database transactions need to be defined in model. Moreover, use case diagram also has been developed to make the system have a clear view on designing the system.

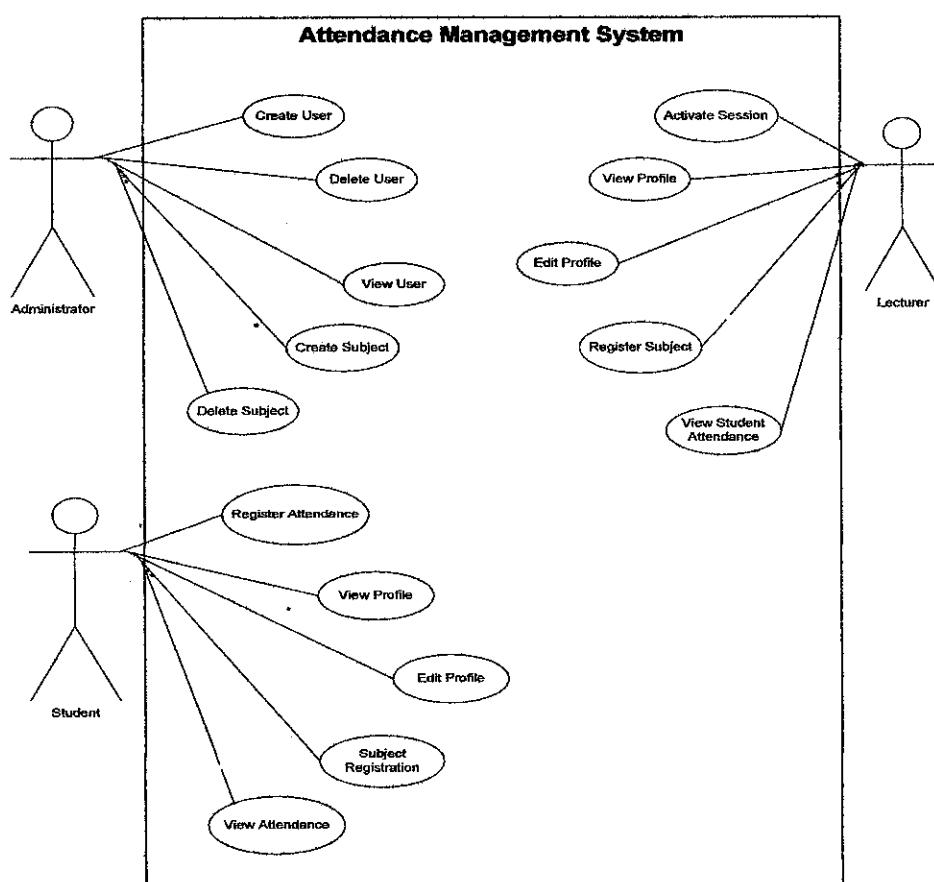


Figure 4-5: Use Case Diagram

4.5.3 Class Diagram & Entity Relationship Diagram

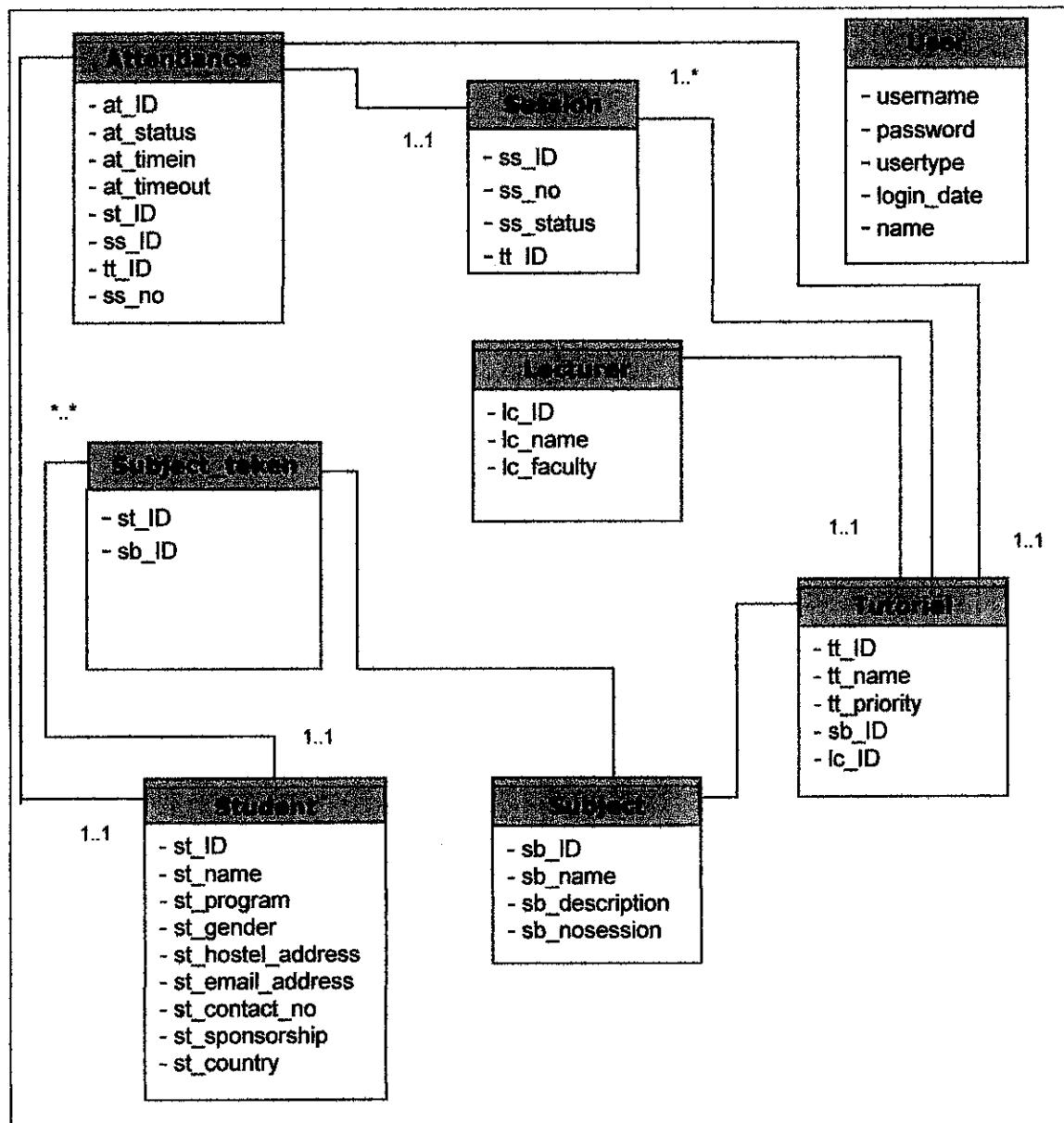


Figure 4-6: Class Diagram

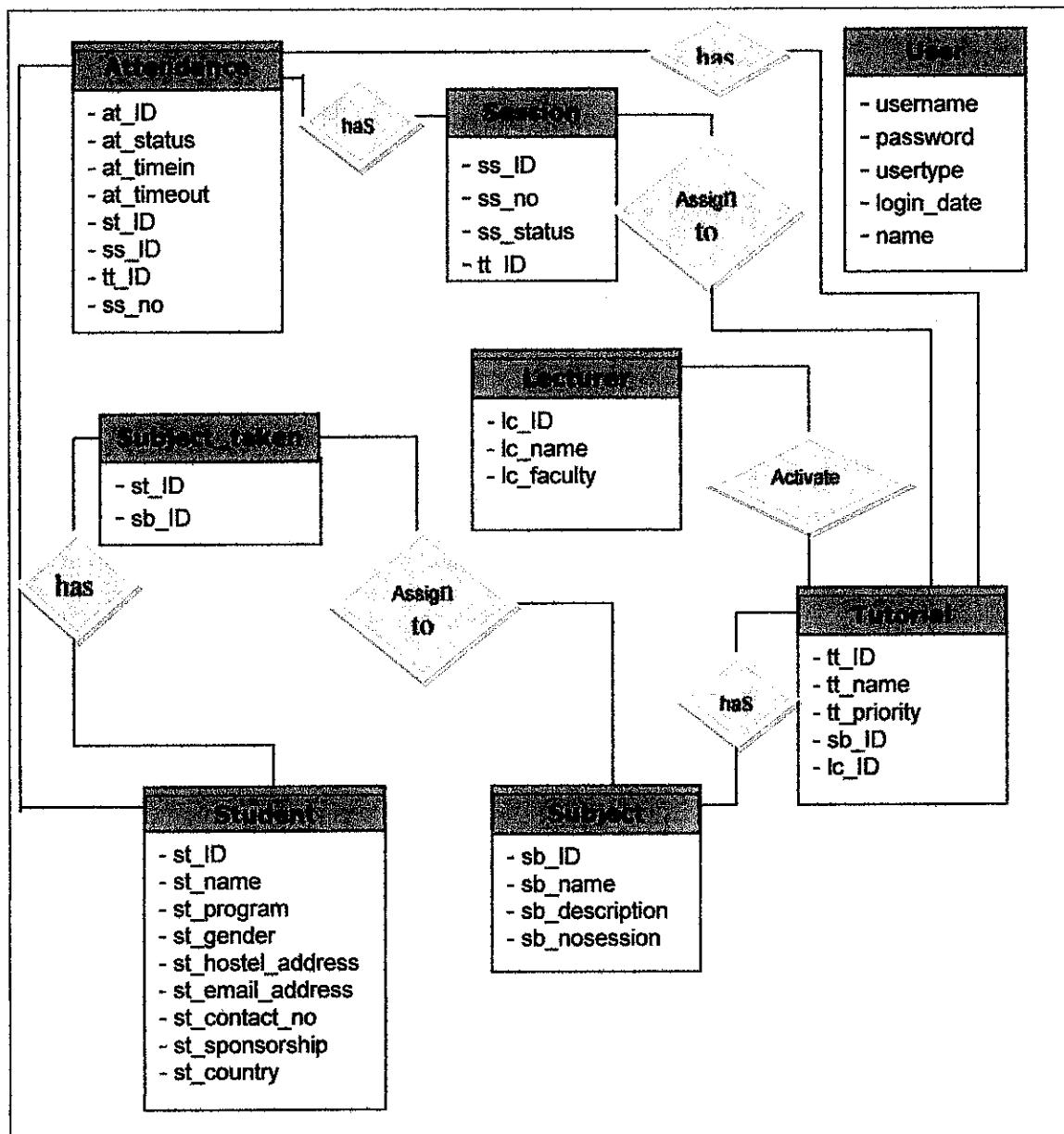


Figure 4-7: Entity Relationship Diagram

4.5.4 Sequence Diagram

The system is involve in developing the fingerprint verification which involve the input of the fingerprint itself by giving unique attributes to it for the security measure. By signing on the device provided, users have put the intra personal or attribute that differentiae them from the others although it look the same from eye comparison. However, if we analyze more carefully, there is uniqueness and it could have been done using a system that could calculate and compare between the query fingerprint pattern and genuine fingerprint pattern. This sequence diagram will illustrate the objects that participate in a use case and the messages that pass between them over time for one use case.

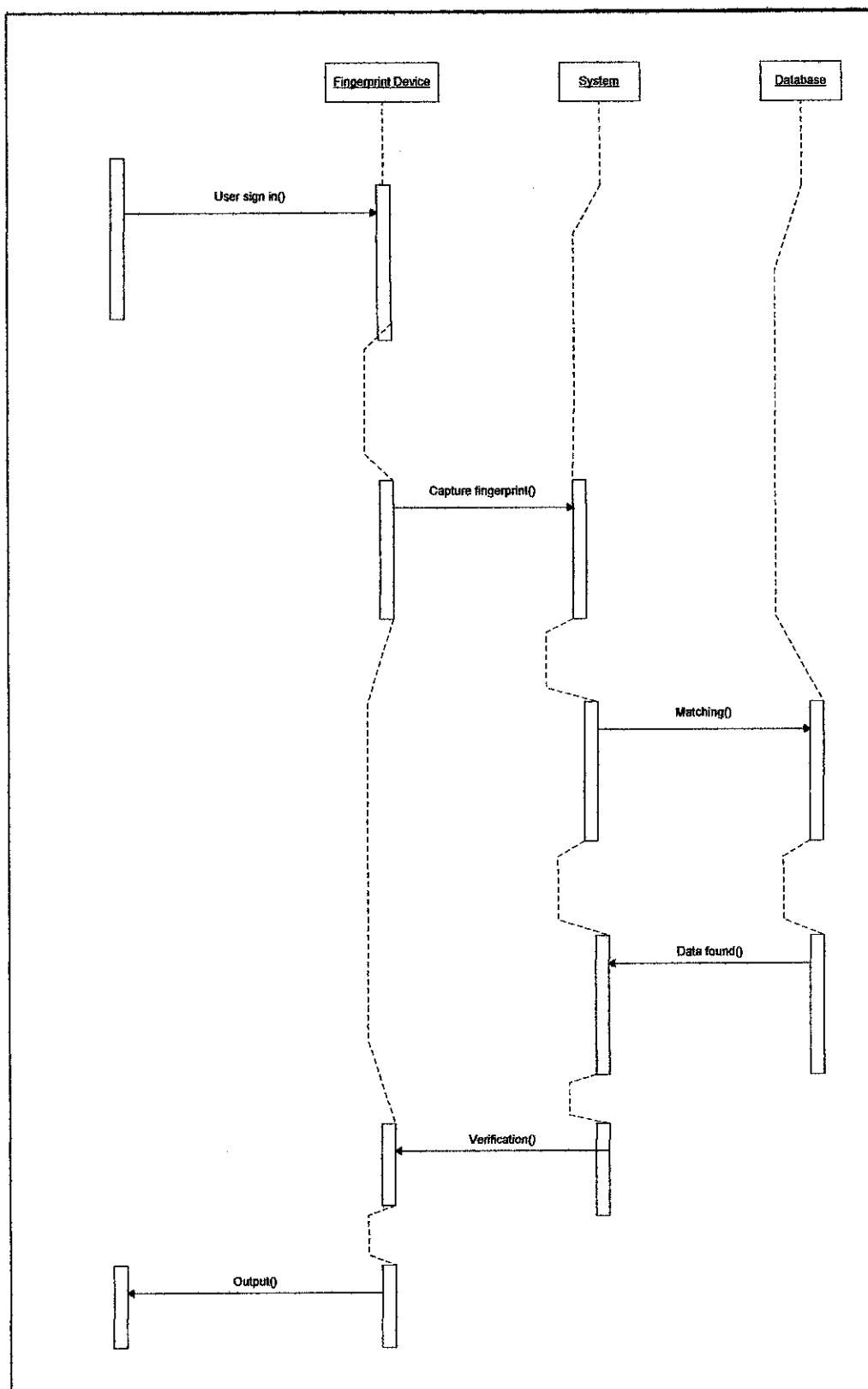


Figure 4-8: Sequence Diagram

4.5.5 Database Design

4.5.5.1 Database Design

The purpose of having this database design is to define the information contained in the external tables and how they relate to each other. This information is assumed correct from the perspective of source and relationship would ensure consistency. The users should ensure that the information and relationship is complete.

4.5.5.2 Table Definitions

4.5.5.2.1 Attendance Table

ATTENDANCE				
Table Description Contains the information of student's attendance details				
Seq	Name	Type	Len	Description
1	at_ID	NUMBER	10	Attendance ID
2	at_status	VARCHAR2	10	Attendance status
3	at_timein	TIME	20	Time the student register for attendance
4	at_timeout	TIME	20	Time student logout
5	st_ID	NUMBER	10	Student ID
6	ss_ID	NUMBER	10	Session ID
7	tt_ID	NUMBER	10	Tutorial ID
8	ss_no	NUMBER	10	Session number

Table 4-2: Attendance Table

4.5.5.2.2 Lecturer Table

LECTURER				
Table Description Contains the information of lecturer's details				
Seq	Name	Type	Len	Description
1	lc_ID	NUMBER	10	Lecturer ID
2	lc_name	VARCHAR2	50	Lecturer name
3	lc_faculty	VARCHAR2	50	Faculty name of the lecturer

Table 4-3: Lecturer Table

4.5.5.2.3 Session Table

Table Name SESSION				
Table Description Contains the information of the session assigned for a tutorial slot				
Seq	Name	Type	Len	Description
1	ss_ID	NUMBER	10	Session ID
2	ss_no	NUMBER	10	Session number
3	ss_status	VARCHAR2	50	Session status
4	tt_ID	NUMBER	10	Tutorial ID

Table 4-4: Session Table

4.5.5.2.4 Student Table

Table Name STUDENT				
Table Description Contains the information of the students				
Seq	Name	Type	Len	Description
1	st_ID	NUMBER	10	Student ID
2	st_name	NUMBER	10	Student name
3	st_program	VARCHAR2	50	Student's program
4	st_gender	NUMBER	10	Student's gender
5	st_hostel_address	VARCHAR2	50	Hostel address
6	st_email_address	VARCHAR2	20	Email address of the student
7	st_contact_no	NUMBER	12	Student contact number
8	st_sponsorship	VARCHAR2	20	Sponsored by
9	st_country	VARCHAR2	20	Country of origin

Table 4-5: Student Table

4.5.5.2.5 Subject Table

Table Name SUBJECT				
Table Description Contains the information of the subject registered				
Seq	Name	Type	Len	Description
1	sb_ID	NUMBER	10	Subject ID / Code
2	sb_name	NUMBER	50	Subject name
3	sb_description	VARCHAR2	100	Description of the subject
4	sb_nosession	NUMBER	2	Number of session / slot

4.5.5.2.6 Subject_Taken Table

Table Name SUBJECT_TAKEN				
Table Description Contains the information of the subject taken by student				
Seq	Name	Type	Len	Description
1	sb_ID	NUMBER	10	Subject ID / Code
2	st_ID	NUMBER	10	Student ID

Table 4-7: Subject_Taken Table

4.5.5.2.7 Tutorial Table

Table Name TUTORIAL				
Table Description Contains the information of the tutorial slot				
Seq	Name	Type	Len	Description
1	tt_ID	NUMBER	10	Subject ID / Code
2	tt_name	NUMBER	50	Subject name
3	tt_priority	VARCHAR2	100	Description of the subject
4	sb_id	NUMBER	2	Number of session / slot
5	lc_id	NUMBER	10	Lecturer ID

Table 4-8: Tutorial Table

4.5.5.2.8 User Table

Table Name USER				
Table Description Contains the information of the user created				
Seq	Name	Type	Len	Description
1	username	VARCHAR2	5	Username of the user
2	password	VARCHAR2	20	Password assigned
3	Usertype	VARCHAR2	10	User level
4	login_time	TIME	25	Time the user enter the system
5	name	VARCHAR2	50	User's name

Table 4-9: User Table

4.5.6 Interface Design

The interface of the system is designed and developed during the design phase. Refer to **Appendix C** for the proposed interface designs of Attendance Management System using Biometric Fingerprint Authentication Technology.

The functions of each user interface are:

- Login Page
 - User has to scan their fingerprint in order to access the system.
- Administrator – Home Page
 - Admin can create user and set user level
- Administrator – Subject Page
 - Admin can register the subject needed by the lecturer
- Lecturer – Home Page
 - Session activation or deactivation for particular tutorial slot
- Lecturer – View Profile Page
 - User can view their profile
- Lecturer – Edit Profile Page
 - User able to update their profile
- Lecturer – Subject Page
 - User can register their particular subject and assign sessions to the subject
- Lecturer – Attendance Details Page
 - User can view their student's attendance details for particular slot
- Student – Home Page
 - Session activation for the attendance tracking
- Student – View Profile Page
 - User can view their profile
- Student – Edit Profile Page
 - User able to update their profile

- Student – Register Subject Page
 - User can register the subject taken for that semester if the list of the subjects are there
- Student – Attendance Details Page
 - User can view their attendance details for particular tutorial slot
- Logout Page
 - User logout and all sessions end.

4.6 Testing Analysis

4.6.1 Testing procedure

The Attendance Management System Test Plan has been conducted to make sure the system has correct functionality and free from major problems severity one errors. The Apache server had served as the internal test server. The testing will be suspended on any feature or function when:

- Error problem encountered in Attendance Management System that interrupts the testing operations to the point where there is no work-a-round.
- Problem is too extreme that minor activity will affect the testing and would require immediate code change on Attendance Management System's scripts.

Testing will be resumed when the problems or failure have been resolved and tested again.

4.6.2 Results of testing

Refer to Appendix D for the Test Coverage. After the testing takes place, then the satisfaction of these peoples toward the system will be evaluated. The table of evaluation of satisfaction of the system will be analyzed using the table below:

Tester	Level of satisfaction				
	5	4	3	2	1
1	😊				
2		😊			
3		😊			
4			😊		
5		😊			
6			😊		
7		😊			
8	😊				
9			😊		
10		😊			

Figure 4-9: Evaluation Analysis

From the result, we could say that the group of people is mostly satisfied with the performance of the system, which is the main strength of this verifying system. So, from the evaluation analysis table, we could say that only two people in group is most satisfied with the system which they think that this system has meet the objectives of developing the system. Most of the people are satisfied with the system which mean there is still weaknesses in the system or need to be upgrade. Moreover, three people is likely satisfied with the system and they think that this system is good but need to include more features. From the graph of result, we will look into figure 4-9.

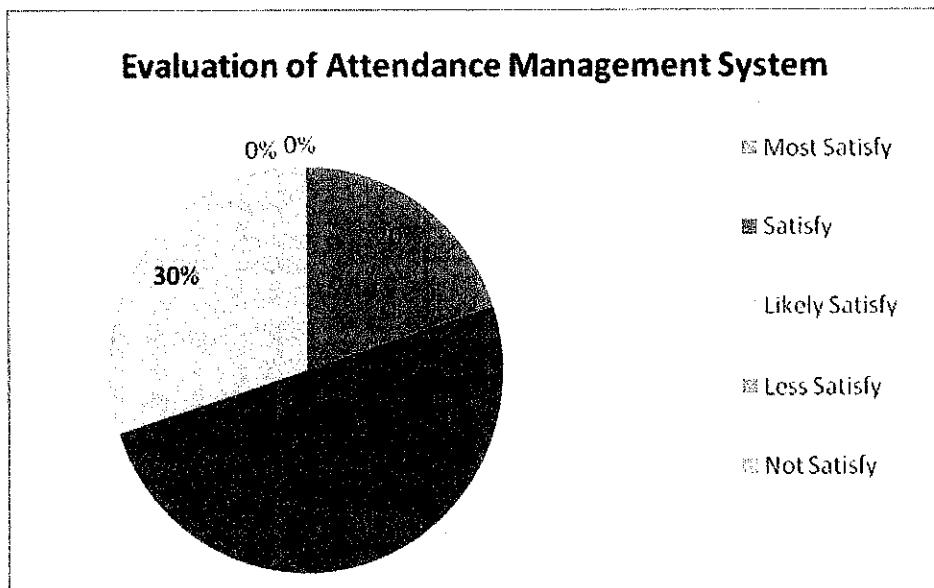


Figure 4-9: Evaluation Analysis

Therefore from the graph, we could see the result of efficiency of this system. The strength of this system is more focus on how it can track students' attendance details and capture their fingerprints as the main input to access this system. Of course, the system had satisfied the user but it need to be improved more in term of the user interface design, more techniques to be included to make the verification be more acceptable.

CHAPTER 5:

LESSON LEARNED

5.1 Challenges during project development

As the project progresses, the author encountered a number of challenges. The author is required to meet these by applying new skills and techniques. The author responded to these challenges spurred by the knowledge that the author is solving real problems for a real purpose. Obviously, most challenges are vary from project to project but some are common to all projects.

During the system development, the author experienced uncertainty as to what to expect. Also, this project needs to be done within the time scale. At the beginning stage, the author faced some problem of completing the project within the time given. After having some discussions with the supervisor, the problem can be solved. The author also had no experience of a project as complex and as broad in scope. It is difficult to invisable in advance what it will be like. Besides that, the author lack of suitable textbooks and dearth of references.

Since this project is a biometric fingerprint project, it required a fingerprint reader. Initially, it's hard to get a single fingerprint reader. But after looking around, the author found a similar device that can be used for the system and configured it to be connected to the system.

5.2 Ways to overcome the problem

Actually, there are many ways to overcome all problems occurred. The author discussed with the supervisor what kind of guidance the author find most useful and what are the possible preferences might be with respect to the working routines. The author planned and discussed with the supervisor the topic of project and the time table including a schedule of meetings where appropriate feedback can be given. This action can ensure the punctuality of completing the project within the timeline given.

The author also maintained the progress to the agreed schedule and continuously report the progress to the supervisor. This action can actually ensure that the project is on the right track. To overcome the problem of lacking of biometric textbooks, the author did a research in depth through articles and journals in the internet. Those documents helped the author a lot on gathering the data for the project. After gathering all data, the author searched for a device that can be used for the system.

There are many devices or fingerprint readers available in the market, but most of them are expensive. To solve the problem of having a cost constraint, the author found a set of keyboard that comes with a fingerprint reader which will only cost RM400 instead of buying other reader that cost RM3500. It is a Microsoft Optical Desktop with Fingerprint Reader that can be used for the system similarly like other single fingerprint reader.

CHAPTER 6:

CONCLUSION AND RECOMMENDATION

6.1 Conclusion

As a conclusion, fingerprint authentication is widely seen as the most reliable and convenient method. As a result, efforts have been increasing to develop, integrate and bring to market reliable and cost effective fingerprint authentication solutions. Hopefully, this new proposed attendance management system using biometric fingerprint authentication technology can help users to capture their daily attendance details not only more accurate but it can be done in a hassle-free and more convenient manner. This system is built so that it can enable the lecturer to reduce the buddy signed on and unauthorized attendance entry. The interface designed for this system has been finalized and the implementation end up with the real prototype. Most of the users are satisfied with the proposed Attendance Management System using Biometric Fingerprint Authentication Technology since it is one of a kind that will be implemented in UTP.

6.2 Future Recommendation

For future project work, the author would like to suggest that the research areas and the system features to be expanded. The research areas should includes the numbers and statistics of any error in Fingerprint Authentication System especially in Malaysia in order to support the relevancy of the project. It is also recommended that the real technology be implemented so that it can really integrate with the system. Other recommendation is to upgrade the system's feature so that it will offer more services to the user besides what we already have nowadays.

Proposing the design, the author may try to design a duo-verification system so that user can have a choice whether to use their username and password together with the biometric or only use biometric to gain access to their account or system. This way, users may not depend on their memorizing skill or any other tokens for verification because their selves are the key to the verification system.

The author also suggests that the prototype interface should maintain a user-friendly environment and a good navigation as well. Therefore, it is much hope that by enhancing the system, it could give new idea especially to Malaysian community on the importance of biometric solution for effective and efficient verification and security process.

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<http://www.microsoft.com/hardware/mouseandkeyboard/features/docs/fingerprint.html> Last accessed 4 September 2007.

APPENDICES

Appendix A : Questionnaire

Appendix B : Gantt Chart

Appendix C : System Interface

Appendix D : Test Coverage

Appendix E : Research at UiTM Shah Alam – Fingerplex System

Appendix F : System Codings

Appendix A – Questionnaire

Question 1: How many username and passwords have you owned before?

- A.1 B.2 C.3 D. More than 3

Question 2: How many hours do you spend for lab sessions per week?

- A.1-2 hours B.3-4 hours C.5-6 hours D. More than 6 hours

Question 3: How many times do you have a replacement class / lab session per week?

- A.1-2 B.3-4 C.5-6 D. More than 6

Question 4: Do you have a problem with the current attendance system which is using an attendance sheet?

- A.Yes B.No, it is still okay.

Question 5: Would you ask your friend to forge your signature if you cannot attend the class?

- A.Yes B.No

Question 6: Do you think the current manually attendance tracking system is reliable?

- A.Yes B.No

Question 7: Do you agree if current system is replace with biometric identification system (e.g: Fingerprint scanning) in order to track your daily attendance details?

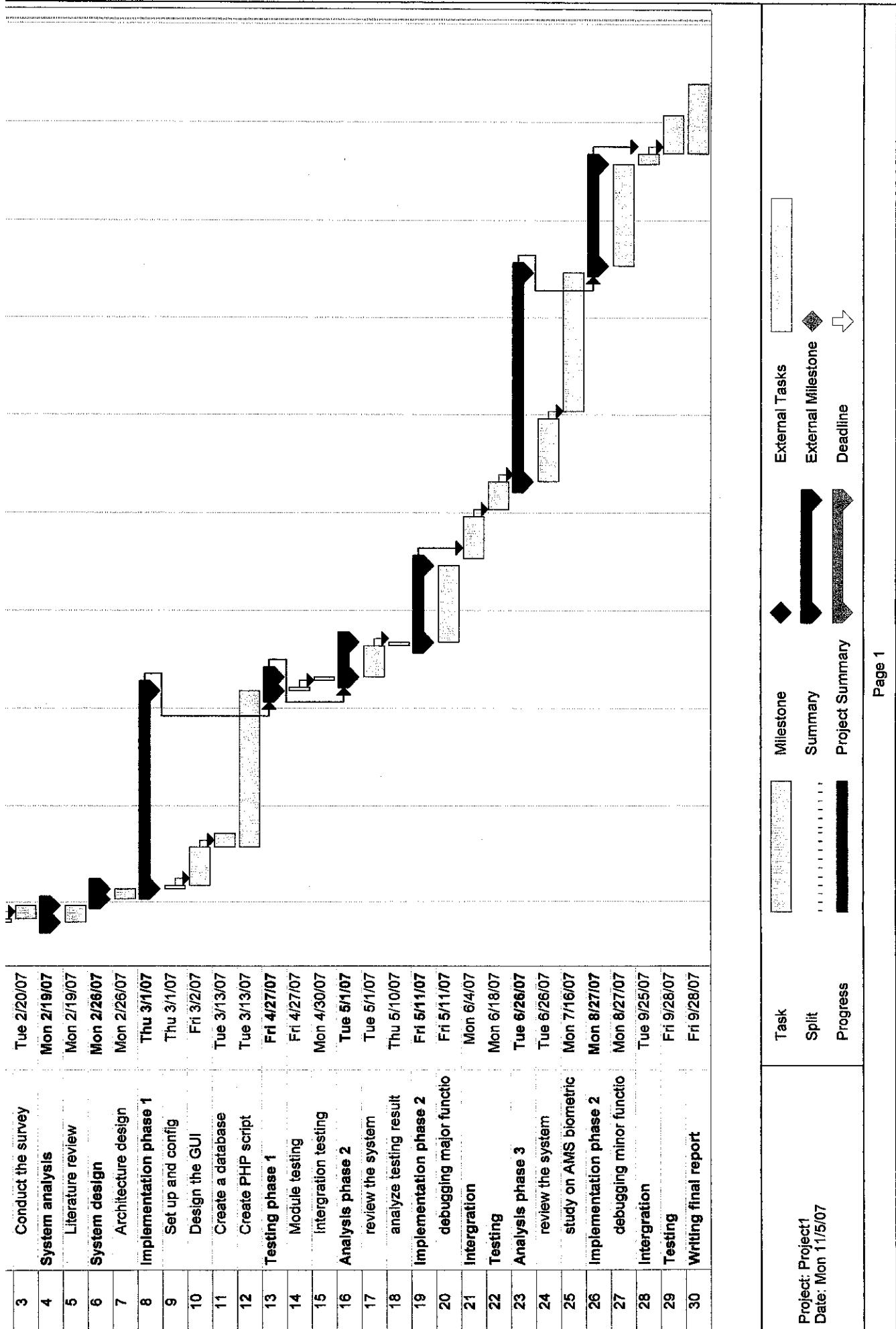
- A.Yes B.No

Question 8: What kind of biometric that you find most comfortable with?

- A. Fingerprint B. Iris/retina C. Face D. Voice

Question 9: Do you think that it is necessary to have an online attendance management system with biometric authentication technology?

- A. Yes B. No



Appendix C– System Interface

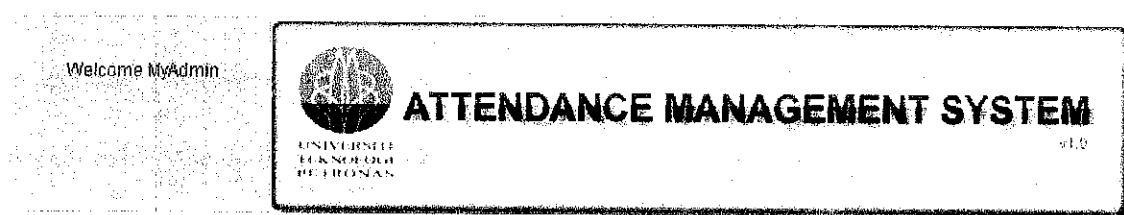
1. Login Page

The screenshot shows a web browser window with the following details:

- Header:** ATTENDANCE MANAGEMENT SYSTEM
- Logo:** UNIVERSITI TEKNOLOGI PETRONAS
- Form Fields:** Username: [input field], Password: [input field], Submit, help
- Search Bar:** Search [input field] Go
- Links:** Advertise with us | feedback
- Text:** WHY SHOULD YOU USE AMS?
Hassle Free
Low Error Rate
High Exceptional Handling
- Links:** > Student Directory
> UTP Library

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2. Admin – Create User



Admin Login Page

Home

Subject

Create Subject

Logout

Create User :

Name :

*

ID :

*

Password :

*

Confirm Password:

*

User Type :

*

Search User:

ID	NAME	USERTYPE	DELETE
12345	Shashi	Lecturer	
14725	Khairul Ikhwan	Student	
15935	Frank Lampard	Lecturer	
55925	Bert Bates	Lecturer	
7243	Siti Farhana Sairen	Student	
8764	Kamarul Bahrin Mohd Kamil	Student	
88321	Chan Mei Ling	Student	
99999	farhana	Student	
admin	MyAdmin	Admin	
nana	Nana	Admin	

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3. Admin – Create Subject

Welcome MyAdmin

ATTENDANCE MANAGEMENT SYSTEM

Create Subject

[Home](#) [Subject](#) [Create Subject](#) [Logout](#)

Create Subject:

Subject Code : *

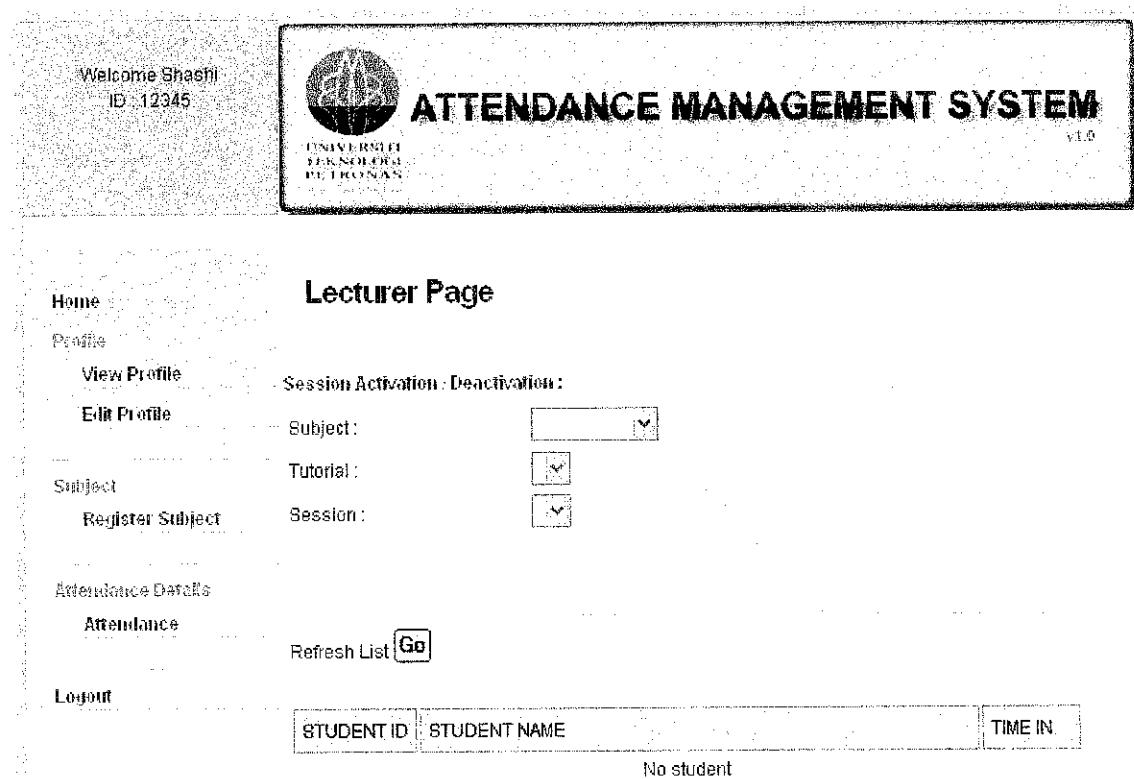
Subject Name : *

Description :

No. Session per Tutorial : *

SUBJECT ID	SUBJECT NAME	DESCRIPTION	NO. SESSION	DELETE
CGH101	Computer Graphics	Learn basic graphic using an OpenGL	2	
CNT111	Computer Network	Comp network	2	
CST100	Computer Security	Learn various aspect of security for system, network and database	2	
ECY100	Economic	economy	3	
GAB3013	CE	corp ethics	3	
SWE100	Software Engineering	Learn a philosophy and basic concept of programming using C++	2	

4. Lecturer – Home



Welcome Shashil
ID : 12345

ATTENDANCE MANAGEMENT SYSTEM v1.0

Home Profile View Profile Edit Profile Subject Register Subject Attendance Details Attendance Logout

Session Activation : Deactivation :

Subject :

Tutorial :

Session :

Attendance List

STUDENT ID	STUDENT NAME	TIME IN
No student		

5. Lecturer – View profile

Welcome Shashi
User ID: 12345

ATTENDANCE MANAGEMENT SYSTEM v1.0

UNIVERSITI
TEKNOLOGI
PETRONAS

View Lecturer Information

Home **Profile** **View Profile** **Edit Profile** **Register Subject** **Attendance Details** **Attendance** **Logout**

ID No.:	12345
Subject:	Name: Shashi
	Faculty: Faculty of Management

Update

Copyright ©2007 Universiti Teknologi Petronas | Current page: Home | Last Update: 10/10/2007 | Page: 1/799

6. Lecturer – Update Profile

Welcome Shashi
User ID: 12345

ATTENDANCE MANAGEMENT SYSTEM

Home Profile View Profile Edit Profile

Subject ID No.: *
Register Subject Name: *
Attendance Details Faculty:
Attendance

[Logout](#)

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7. Lecturer – Subject

Welcome Shashi
ID: 12345

ATTENDANCE MANAGEMENT SYSTEM

Lecturer Page

Home Profile View Profile Edit Profile

Subject Create Tutorial:
Subject:
Tutorial Name: *

Search Subject:

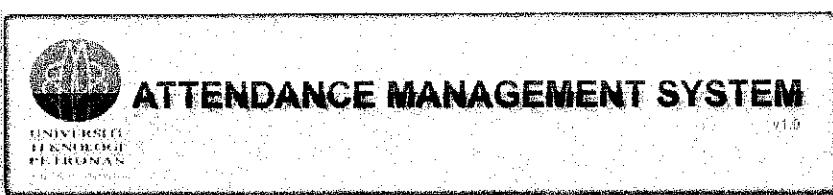
Subject Register Subject

Attendance Details Attendance:

[Logout](#)

SUBJECT NAME	TUTORIAL	PRIORITY	DELETE
Economic	Week 1	1 <input type="button"/> <input type="button"/>	<input type="button"/>
Economic	Week 2	2 <input type="button"/> <input type="button"/>	<input type="button"/>

8. Lecturer – Attendance



Welcome Shashi
User ID: 12345

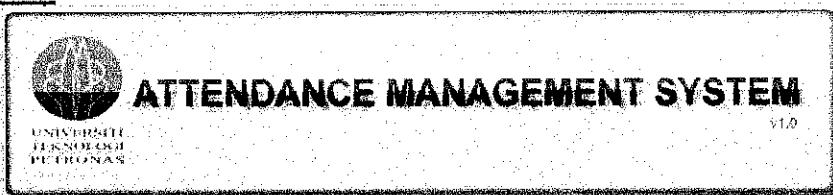
Attendance Summary

Subject: Economic

Attendance Details	Student ID	Student Name	Attendance
Attendance Details	14725	Khairul Ikhwan	view

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9. Student – Home



Welcome Siti Farhana Sairen
ID: 37243

Student Welcome Page

Session Activation / Deactivation:

Subject:	Tutorial:	Session:
Economic	1	1

My Attendance

Logout

10. Student – View Profile

Welcome Siti Farhana Sairen
User ID : 7243

ATTENDANCE MANAGEMENT SYSTEM v1.0

UNIVERSITI
TEKNOLOGI
PETRONAS

View Student Information

Home	Name : Siti Farhana Sairen
Profile	Student ID No : 7243
View Profile	Program : Information Communication Technology
Edit Profile	Gender : Female
Subject	Hostel Address : V5-L5.1.5
Register Subject	Email Address : teddy_nana@yahoo.com
Attendance Details	Contact No: 012-7298880
My Attendance	Sponsorship : PETRONAS
Logout	Country : Malaysia

Update

11. Student – Edit Profile

Welcome Siti Farhana Sairen
User ID : 7243

ATTENDANCE MANAGEMENT SYSTEM v1.0

UNIVERSITI
TEKNOLOGI
PETRONAS

Update Student Information

Home	Student ID No : <input type="text" value="7243"/>
Profile	Name : <input type="text" value="Siti Farhana Sairen"/> *
View Profile	Program : <input type="text" value="Information Communication Techni"/>
Edit Profile	Gender : <input type="radio"/> Male <input checked="" type="radio"/> Female
Subject	Hostel Address : <input type="text" value="V5-L5.1.5"/>
Register Subject	Email Address : <input type="text" value="teddy_nana@yahoo.com"/>
Attendance Details	Contact No: <input type="text" value="012-7298880"/>
My Attendance	Sponsorship : <input type="text" value="PETRONAS"/>
Logout	Country : <input type="text" value="Malaysia"/>

Update

12. Student – Register Subject

Welcome Siti Farhana Sairen
User ID: 7243

ATTENDANCE MANAGEMENT SYSTEM

Home Profile View Profile Edit Profile

Subject: Computer Graphics * Register

Attendance Details My Attendance

SUBJECT ID	SUBJECT NAME	DESCRIPTION	REMOVE
CNT111	Computer Network	Comp network	
CST100	Computer Security	Learn various aspect of security for system, network and database	

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13. Student – Attendance

Welcome Siti Farhana Sairen
User ID: 7243

ATTENDANCE MANAGEMENT SYSTEM

Home Profile View Profile Edit Profile

Subject: Computer Network Attendance Details

Attendance Details My Attendance

Lecturer Name : Subject Name :
Description :

Logout

	SESSION 1	SESSION 2	
Status	Time In	Status	Time In

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Appendix C - Test Coverage

Attendance Management System v1.0 Test Coverage

Requirement Description	Case	Case Descriptions	Steps	Expected Results	Pass / Fail	Tester / Verifier	Tested Date	Comments / PN #
001	Administrator	001 - Create User	<ul style="list-style-type: none"> - Login to AMS application as admin - Fill in all fields and click on Register button - Click on 'bin' icon - Search user - Choose level from the Search User drop-down list 	<ul style="list-style-type: none"> - Admin Login Page will appear - User that is created appear in User List - User will be deleted from the database - List of the selected user level will be displayed 				
		002 - Create subject	<ul style="list-style-type: none"> - Fill in all blank fields and click on CREATE button - Click on BIN icon - Delete subject 	<ul style="list-style-type: none"> - List of registered subject will be displayed in the list at the below of the page - Subject will be deleted from the database 				
		003 Logout Page		<ul style="list-style-type: none"> - Click on LOGOUT link 				<ul style="list-style-type: none"> - User will have a successful logout and will be directed to the login page.

Requirement Description	Case	Case Descriptions	Steps	Expected Results	Pass / Fail	Tester / Verifier	Tested Date	Comments / PN #
002 Lecturer	001	Activate Session	<ul style="list-style-type: none"> - Login to AMS application using the fingerprint reader - Select subject to be activated - Select tutorial slot - Select session to be activated - Click on START button 	<ul style="list-style-type: none"> - Lecturer login page will appear - Status will change to OPENED 				
	002	- View Profile	<ul style="list-style-type: none"> - Click on VIEW PROFILE link - Click UPDATE button 	<ul style="list-style-type: none"> - Lecturer's information will be displayed - Update page will be displayed 				
	003	- Subject Registration	<ul style="list-style-type: none"> - Click on REGISTER SUBJECT link - Fill in all blank fields and click on CREATE button - Set priority for particular subject - Delete subject 	<ul style="list-style-type: none"> - Create subject page will be displayed - Registered subject list will be displayed - Subject will be deleted 				
	004	Attendance Summary	<ul style="list-style-type: none"> - Select subject from drop down list 	<ul style="list-style-type: none"> - Attendance details will be displayed 				
003 Student	001	Attendance activation	<ul style="list-style-type: none"> - Select subject, tutorial and particular session to be activated - Click on START button 	<ul style="list-style-type: none"> - If the session is activated by the lecturer, it will be displayed at student's drop down list 				

Information Communication Technology

TECHNOLOGIES
PREDOMINAS

Requirement Description	Case	Case Descriptions	Steps	Expected Results	Pass / Fail	Tester / Verifier	Tested Date	Comments / PN #
	002	- View Profile - Edit profile	- Click on VIEW PROFILE link - Click UPDATE button	- Student's information will be displayed - Update page will be displayed				
	003	- Subject Registration	- Click on REGISTER SUBJECT link - Select subject to be registered - Click on REGISTER button - Delete subject	- Create subject page will be displayed - Registered subject list will be displayed - Subject will be deleted				
	004	View Student Attendance	- Select subject from drop down list	- Attendance details will be displayed				

Appendix E

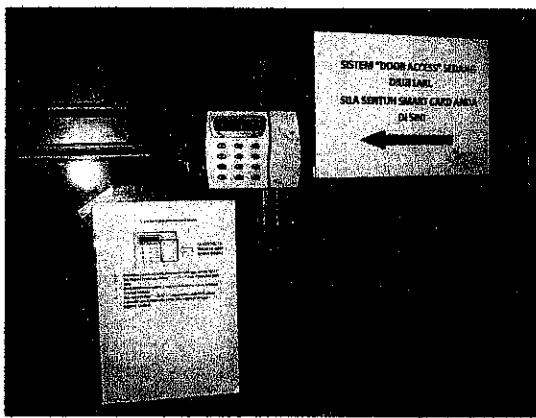
Fingerplex System for Lecturer Attendance
UiTM, Shah Alam
Date Picture Taken : 12th March 2007



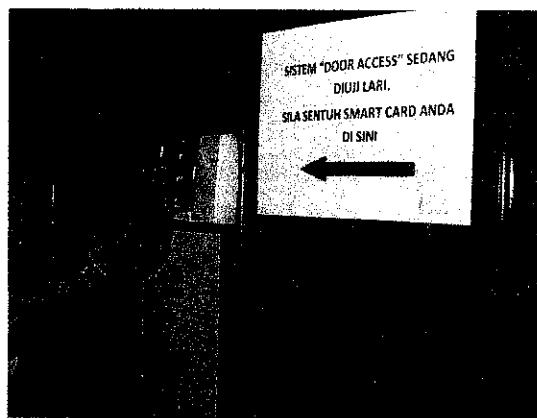
**Picture 1: Fingerplex Machine
Fingerplex**



**Picture 2: User used this
Machine**



Picture 3: Door Access System



**Picture 4: User used door access system
using smart card**

Appendix F – System Coding

Admin.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$userType = $_SESSION['userType'];
?>
<?php
$colname_RSViewUser = "";
if (isset($_HTTP_GET_VARS['userType'])) {
    $colname_RSViewUser = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['userType'] :
    addslashes($_HTTP_GET_VARS['userType']);
}
mysql_select_db($database_AMSConnection, $AMSConnection);
if($colname_RSViewUser != NULL)
{ $query_RSViewUser = sprintf("SELECT u.username, u.userType, u.name FROM `user` u WHERE u.userType = '%s'", $colname_RSViewUser); }
else
{ $query_RSViewUser = sprintf("SELECT u.username, u.userType, u.name FROM `user` u"); }
$RSViewUser = mysql_query($query_RSViewUser, $AMSConnection) or die(mysql_error());
?>

<?php
if($userType != "Admin") {
    header('Location:index.php');
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Admin Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<meta name="description" content="LGBBlue Free Css Template" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_reloadPage(init) { // reloads the window if Nav4 resized
  if (init==true) with (navigator) {if ((appName=="Netscape")&&(parseInt(appVersion)==4)) {
    document.MM_pgW=innerWidth; document.MM_pgH=innerHeight; onresize=MM_reloadPage; }}
  else if (innerWidth!=document.MM_pgW || innerHeight!=document.MM_pgH) location.reload();
}
MM_reloadPage(true);

function MM_jumpMenu(targ,selObj,restore){ //v3.0
  eval(targ+'.location="admin.php?userType='+selObj.options[selObj.selectedIndex].value+'");
  if (restore) selObj.selectedIndex=0;
}

function MM_findObj(n, d) { //v4.01
  var p,i,x; if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length) {
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
  if(!(x=d[n])&&d.all) x=d.all[n]; for (i=0;i<x.length;i++) x=d.forms[i][n];
  for(i=0;!x&&d.layers&&i<d.layers.length;i++) x=MM_findObj(n,d.layers[i].document);
  if(!x && d.getElementById) x=d.getElementById(n); return x;
}
-->
```

```
function MM_jumpMenuGo(selName,targ,restore){ //v3.0
    var selObj = MM_findObj(selName); if (selObj) MM_jumpMenu(targ,selObj,restore);
}
//-->
</script>
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>

<script language="JavaScript">
<!--

*****FIELD VALIDATION*****
*****


function formCheck(formobj){
    // Enter name of mandatory fields
    var fieldRequired = Array("name","username","password","confirm_password");
    // Enter field description to appear in the dialog box
    var fieldDescription = Array("Name","Username","Password","Confirm Password");
    // dialog message
    var alertMsg = "Null or Invalid input \n";
    var l_Msg = alertMsg.length;

    for (var i = 0; i < fieldRequired.length; i++){
        var obj = formobj.elements[fieldRequired[i]];
        if (obj){
            switch(obj.type){
                case "select-one":
                    if (obj.selectedIndex == -1 || obj.options[obj.selectedIndex].text == ""){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "select-multiple":
                    if (obj.selectedIndex == -1){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "text":
                case "textarea":
                case "password":
                    if (obj.value == "" || obj.value == null){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                default:
            }
            if (obj.type == undefined){
                var blnchecked = false;
                for (var j = 0; j < obj.length; j++){
                    if (obj[j].checked){
                        blnchecked = true;
                    }
                }
                if (!blnchecked){
                    alertMsg += " - " + fieldDescription[i] + "\n";
                }
            }
        }
    }
}


```

```
if(alertMsg.length == l_Msg){  
    return true;  
}else{  
    alert(alertMsg);  
    return false;  
}  
}  
// -->  
</script>
```

```
<div class="content">  
    <div id="toph"></div>  
    <div id="header">  
        <div class="rside">  
            <div class="citation">  
                </div>  
        </div>  
        <div class="lside">  
            <div class="title">  
                <p>Welcome <?php echo $name; ?></p>  
                <p>&nbsp;</p>  
                <p>&nbsp; </p>  
            </div>  
        </div>  
    </div>  
    <div id="main">  
        <div class="center">  
            <h1 align="left"><span class="citation style4"></span>Admin Login Page <br />  
        </h1>  
        <p></p>  
        </div>  
        <p>&nbsp;</p>  
        <div class="leftmenu">  
            <div class="nav">  
                <ul>  
                    <li><a href="admin.php">Home</a></li>  
                    <li>Subject  
                        <ul>  
                            <li><a href="createsubject.php">Create Subject</a></li>  
                            </ul>  
                        </li>  
                    <li><a href="logout.php">Logout</a></li>  
                </ul>  
            </div>  
            <div class="padding">  
                <h2>&nbsp; </h2>  
            </div>  
        </div>  
    </div>  
  
<blockquote>  
<p class="style9"> Create User : </p>  
<table width="551" border="0" cellpadding="1">  
    <form name="form1" onsubmit="return formCheck(this); " action="process_createuser.php" method="post">  
    <tr>  
        <td width="161" height="25"> Name : </td>  
        <td width="380" valign="top"><input name="name" type="text" id="name"/>  
        </td>  
    </tr>  
    <tr>
```

```
<td width="161" height="25"> ID : </td>
<td width="380" valign="top"><input name="username" type="text" id="username" maxlength="5" />
</td>
</tr>
<tr>
<td height="24">Password : </td>
    <td width="380" valign="top"><input name="password" type="password" id="password" 
maxlength="15" />
    </td>
</tr>
<tr>
<td height="25">Confirm Password: </td>
    <td width="380" valign="top"><input name="confirm_password" type="password" 
id="confirm_password" maxlength="15" />
    </td>
</tr>
<tr>
<td>User Type : </td>
    <td width="380" valign="top"><select name="type">
        <option value="Student">Student</option>
        <option value="Lecturer">Lecturer</option>
        <option value="Admin">Admin (System User)</option>
    </select>
    
    <input type="submit" name="Submit" value="Register" /></td>
</tr>
</form>
<tr>
<td colspan="2"><p>&nbsp;</p>
<hr />
<p>Search User:</p>
<form name="form1" id="form1">
<select name="searchusertype" onChange="MM_jumpMenu('parent',this,0)">
    <option value=""></option>
    <option value="Admin">Admin (System User)</option>
    <option value="Lecturer">Lecturer</option>
    <option value="Student">Student</option>
</select>
</form>
<p>&nbsp;</p>
<table width="541" border="0">
<tr>
<td width="74" class="boxads"> ID</td>
    <td width="300" class="boxads"> NAME</td>
    <td width="96" class="boxads"> USERTYPE</td>
    <td width="57" class="boxads"> DELETE</td>
</tr>
<?php
    while($row_RSViewUser = mysql_fetch_array($RSViewUser)){
        $deleteLink =
"deleteuser.php?username=".$row_RSViewUser['username']. "&usertype=".$row_RSViewUser['usertype'];
    ?>
<tr>
    <td><?php echo $row_RSViewUser['username']; ?></td>
        <td><?php echo $row_RSViewUser['name']; ?></td>
    <td><?php echo $row_RSViewUser['usertype']; ?></td>
    <td><div align="center"><a href=<?php echo $deleteLink; ?>></a></div></td>
</tr>
<?php } ?>
</table>
<p>&nbsp;</p>
</p> </td>
</tr>
```

```
</table>
<p><br />

</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>
```

```
</body>
</html>
<?php
mysql_free_result($RSViewUser);
?>
```

Attendance summary.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_Subject = "SELECT distinct(s.sb_ID), s.sb_name FROM subject s, tutorial t WHERE t.sb_ID=s.sb_ID AND
t.lc_ID='$username'";
$RS_Subject = mysql_query($query_RS_Subject, $AMSConnection) or die(mysql_error());
$row_RS_Subject = mysql_fetch_assoc($RS_Subject);
$TotalRows_RS_Subject = mysql_num_rows($RS_Subject);
?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$userType = $_SESSION['usertype'];
?>
<?php
if($userType != "Lecturer")
{ header('Location:index.php'); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Lecturer Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
<script language="JavaScript">
function MM_MenuSubject(targ,selObj){ //v3.0
    eval(targ+".location='attendance_summary.php?subjectcode='"+selObj.options[selObj.selectedIndex].value+"'");
}

function popup(url) {
    newwindow=window.open(url,'name','height=800,width=650');
    if (window.focus) {newwindow.focus()}
    return false;
}
</script>
```

```
</head>

<body>
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>User ID : <?php echo $username; ?></p>
                <p>&nbsp;</p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span><br />
                Attendance Summary<br />
            </h1>
            <p></p>
        </div>
        <div class="leftmenu">
            <div class="nav">
                <ul>
                    <li><a href="lecturer.php">Home</a></li>
                    <li>Profile
                        <ul>
                            <li><a href="lecturer_viewinfo.php">View Profile</a></li>
                            <li><a href="lecturer_updateinfo.php">Edit Profile</a></li>
                        </ul>
                    </li>
                    <li>Subject
                        <ul>
                            <li><a href="createtutorial.php">Register Subject</a></li>
                        </ul>
                    </li>
                    <li>Attendance Details
                        <ul>
                            <li><a href="#">Attendance</a></li>
                        </ul>
                    </li>
                    <li><a href="logout.php">Logout</a></li>
                </ul>
            </div>
            <div class="padding">
                <h2>&nbsp; </h2>
            </div>
        </div>
    </div>
</div>

<blockquote>
<p>&nbsp;</p>
    <table width="551" border="0" cellpadding="1">
        <tr>
            <td width="105" height="24">Subject : </td>
            <td width="436" height="24" valign="top"><select name="subjectcode" onChange="MM_MenuSubject('parent',this)">
                <option value=""></option>
                <?php
do {
?>
                <option value="<?php echo $row_RS_Subject['sb_ID']?>"><?php echo $row_RS_Subject['sb_name']?></option>
            <?php
} while ($row_RS_Subject = mysql_fetch_assoc($RS_Subject));
```

```
$rows = mysql_num_rows($RS_Subject);
if($rows > 0) {
    mysql_data_seek($RS_Subject, 0);
    $row_RS_Subject = mysql_fetch_assoc($RS_Subject);
}
?>
</select></td>
</tr>
<tr>
    <td height="24" colspan="2"><hr></td>
</tr>
<?php
if($_GET[subjectcode]!=""NULL)
{
?>
<tr>
    <td height="30" colspan="2" valign="top"><strong>Attendance Details </strong></td>
</tr>
<?php
$query_RS_SubjectInfo = "SELECT s.sb_name, s.sb_description, l.lc_name FROM subject s, lecturer l,
tutorial t WHERE s.sb_ID=$_GET[subjectcode] AND s.sb_ID=t.sb_ID AND l.lc_ID=t.lc_ID";
$RS_SubjectInfo = mysql_query($query_RS_SubjectInfo, $AMSConnection) or die(mysql_error());
$row_RS_SubjectInfo = mysql_fetch_array($RS_SubjectInfo);
?>
<tr>
    <td>Subject Name : </td>
    <td><?php echo $row_RS_SubjectInfo['sb_name']; ?></td>
</tr>
<tr>
    <td>Description : </td>
    <td><?php echo $row_RS_SubjectInfo['sb_description']; ?></td>
</tr>
<tr>
    <td colspan="2" style="text-align: center;">&ampnbsp
</tr>
<tr>
    <td height="24" colspan="2">
        <table width="541" border="0">
            <tr>
                <td width="40" class="boxads">Student ID</td>
                <td width="100" class="boxads">Student Name</td>
                <td width="50" class="boxads">Attendance</td>
            </tr>
            <?php
                $query_RS_Student = "SELECT s.st_ID, s.st_name FROM student s, subject_taken st WHERE
st.sb_ID=$_GET[subjectcode] AND s.st_ID=st.st_ID ORDER BY s.st_name";
                $RS_Student = mysql_query($query_RS_Student, $AMSConnection) or die(mysql_error());
                while($row_RS_Student = mysql_fetch_array($RS_Student))
                {
                    $attLink =
"student_attendance.php?studentid=".$row_RS_Student['st_ID']."&subjectcode=".$_GET[subjectcode];
?>
                <tr>
                    <td height="30"><?php echo $row_RS_Student['st_ID']; ?></td>
                    <td height="30"><?php echo $row_RS_Student['st_name']; ?></td>
                    <td height="30" align="center"><a href="<?php echo $attLink; ?>" onclick="return
popitup('<?php echo $attLink; ?>')>view</a></td>
                </tr>
            <?php
            }
            ?
        >
    </table>
    </td>
</tr>
</table>
<p><br />
</p>
```

```
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>
```

```
</body>
</html>
```

Attendsession.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$sessionid = "";
$tutorialid = "";
$action = "";
 srand((double) microtime( )*1000000);
$at_ID = rand(1000000,9999999);
if(isset($_HTTP_GET_VARS['sessionid'])) {
    $sessionid = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['sessionid'] : addslashes($_HTTP_GET_VARS['sessionid']);
}
if(isset($_HTTP_GET_VARS['tutorialid'])) {
    $Tutorialid = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['tutorialid'] : addslashes($_HTTP_GET_VARS['tutorialid']);
}
if(isset($_HTTP_GET_VARS['action'])) {
    $action = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['action'] : addslashes($_HTTP_GET_VARS['action']);
}
mysql_select_db($database_AMSConnection, $AMSConnection);
$getSessNoSQL = "SELECT ss_no FROM session WHERE tt_id='$tutorialid'";
$getSessNo = mysql_query($getSessNoSQL, $AMSConnection) or die(mysql_error());
$row_SessNo = mysql_fetch_array($getSessNo);
$ssessno = $row_SessNo['ss_no'];

$updateSQL = sprintf("INSERT attendance(at_ID,at_timein,st_ID,ss_ID,tt_ID,ss_no)
VALUES('$at_ID',NOW(),$_SESSION[username],$sessionid,$tutorialid,$ssessno)");
if($action=="stop")
{
    $updateSQL = sprintf("UPDATE attendance SET at_timeout=NOW() WHERE at_ID='$atid");
}
$Result1 = mysql_query($updateSQL, $AMSConnection) or die(mysql_error());
if($Result1)
{
    $link
    ="student.php?subjectcode=".$_GET['subjectid']."&tutorialcode=".$_GET['tutorialid']."&sessioncode=".$_GET['sessionid'];
    if($action=="start")
    {
        $link = "&start=true";
    }
    header('Location:'.$link);
}
?>
```

Createsubject.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
?>
<?php
$maxRows_RS_ViewSubject = 10;
$pageNum_RS_ViewSubject = 0;
if(isset($_HTTP_GET_VARS['pageNum_RS_ViewSubject'])) {
    $pageNum_RS_ViewSubject = $_HTTP_GET_VARS['pageNum_RS_ViewSubject'];
}
$startRow_RS_ViewSubject = $pageNum_RS_ViewSubject * $maxRows_RS_ViewSubject;

mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewSubject = "SELECT * FROM subject";
```

```
$query_limit_RS_ViewSubject = sprintf("%s LIMIT %d, %d", $query_RS_ViewSubject, $startRow_RS_ViewSubject,
$maxRows_RS_ViewSubject);
$RS_ViewSubject = mysql_query($query_limit_RS_ViewSubject, $AMSConnection) or die(mysql_error());
$row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);

if (isset($_GET['totalRows_RS_ViewSubject'])) {
    $TotalRows_RS_ViewSubject = $_GET['totalRows_RS_ViewSubject'];
} else {
    $all_RS_ViewSubject = mysql_query($query_RS_ViewSubject);
    $TotalRows_RS_ViewSubject = mysql_num_rows($all_RS_ViewSubject);
}
$TotalPages_RS_ViewSubject = ceil($TotalRows_RS_ViewSubject/$maxRows_RS_ViewSubject)-1;
session_start(); require_once('Connections/AMSConnection.php'); ?>

<?php
if($usertype != "Admin")
{
    header('Location:index.php');
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Admin Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<meta name="description" content="LGBBlue Free Css Template" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_reloadPage(init) { //reloads the window if Nav4 resized
if (init==true) with (navigator) {if ((appName=="Netscape")&&(parseInt(appVersion)==4)) {
document.MM_pgW=innerWidth; document.MM_pgH=innerHeight; onresize=MM_reloadPage; }}
else if (innerWidth!=document.MM_pgW || innerHeight!=document.MM_pgH) location.reload();
}
MM_reloadPage(true);

function MM_jumpMenu(targ,selObj,restore){ //v3.0
eval(targ+".location='admin.php?usertype="+selObj.options[selObj.selectedIndex].value+"'");
if (restore) selObj.selectedIndex=0;
}

function MM_findObj(n, d) { //v4.0.1
var p,i,x; if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length) {
d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
if(!x=d[n])&&d.all) x=d.all[n]; for (i=0;i<x&&i<d.forms.length;i++) x=d.forms[i][n];
for(i=0;i<x&&d.layers&&i<d.layers.length;i++) x=MM_findObj(n,d.layers[i].document);
if(x & & d.getElementById) x=d.getElementById(n); return x;
}

function MM_jumpMenuGo(selName,targ,restore){ //v3.0
var selObj = MM_findObj(selName); if (selObj) MM_jumpMenu(targ,selObj,restore);
}
//-->
</script>
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
```

</head>

<body>

```
<script language="JavaScript">
<!--

*****FIELD VALIDATION*****
*****-->

function formCheck(formobj){
    // Enter name of mandatory fields
    var fieldRequired = Array("subject_code","subject_name");
    // Enter field description to appear in the dialog box
    var fieldDescription = Array("Subject Code","Subject Name");
    // dialog message
    var alertMsg = "Null or Invalid input \n";
    var l_Msg = alertMsg.length;

    for (var i = 0; i < fieldRequired.length; i++){
        var obj = formobj.elements[fieldRequired[i]];
        if (obj){
            switch(obj.type){
                case "select-one":
                    if (obj.selectedIndex == -1 || obj.options[obj.selectedIndex].text == ""){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "select-multiple":
                    if (obj.selectedIndex == -1){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "text":
                case "textarea":
                case "password":
                    if (obj.value == "" || obj.value == null){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                default:
            }
            if (obj.type == undefined){
                var binchecked = false;
                for (var j = 0; j < obj.length; j++){
                    if (obj[j].checked){
                        binchecked = true;
                    }
                }
                if (!binchecked){
                    alertMsg += " - " + fieldDescription[i] + "\n";
                }
            }
        }
    }
    if (alertMsg.length == l_Msg){
        return true;
    }else{
        alert(alertMsg);
        return false;
    }
}
```

```
}
```

```
// -->
```

```
</script>
```

```
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
            </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>&nbsp;</p>
                <p>&nbsp; </p>
            </div>
        </div>
        <div id="main">
            <div class="center">
                <h1 align="left"><span class="citation style4"></span>Create Subject<br />
            </h1>
                <p></p>
                </div>
                <p>&nbsp;</p>
                <div class="leftmenu">
                    <div class="nav">
                        <ul>
                            <li><a href="admin.php">Home</a></li>
                            <li>Subject
                                <ul>
                                    <li><a href="createsubject.php">Create Subject</a></li>
                                </ul>
                            </li>
                            <li><a href="logout.php">Logout</a></li>
                        </ul>
                    </div>
                    <div class="padding">
                        <h2>&nbsp; </h2>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>

<blockquote>
    <p class="style9"> Create Subject : </p>
    <table width="551" border="0" cellpadding="1">
        <form name="form1" onSubmit="return formCheck(this); action="processCreatesubject.php"
method="post">
            <tr>
                <td width="161" height="25" valign="top">Subject Code : </td>
                <td width="380" valign="top"><input name="subject_code" type="text" id="subject_code"/>
                </td>
            </tr>
            <tr>
                <td width="161" height="25" valign="top">Subject Name : </td>
                <td width="380" valign="top"><input name="subject_name" type="text" id="subject_name"/>
                </td>
            </tr>
            <tr>
                <td height="25" valign="top">Description : </td>

```

```
<td width="380" valign="top"><textarea name="subject_description" rows="4" cols="20"></textarea></td>
<tr>
<td height="25" valign="top">No. Session per Tutorial : </td>
<td width="380" valign="top"><input type="text" name="subject_nosession" size="5">

<input type="submit" name="Submit" value="Create" /></td>
</tr>
</form>
<tr>
<td colspan="2"><p><hr></p></p><p>&nbsp;</p>
<table width="541" border="0">
<tr>
<td width="74" class="boxads">SUBJECT ID</td>
<td width="150" class="boxads">SUBJECT NAME</td>
<td width="246" class="boxads">DESCRIPTION</td>
<td width="27" class="boxads">NO. SESSION</td>
<td width="30" class="boxads">DELETE</td>
</tr>
<?php
?>
<?php do {
    $updateLink = "updatesubject.php?subjectcode='".$row_RS_ViewSubject['sb_ID']."";
    $deleteLink = "deletesubject.php?subjectcode='".$row_RS_ViewSubject['sb_ID']."';
    ?>
<tr>
<td valign="top"><a href=<?php echo $updateLink; ?>"><?php echo $row_RS_ViewSubject['sb_ID']; ?></a></td>
<td valign="top"><?php echo $row_RS_ViewSubject['sb_name']; ?></td>
<td valign="top"><?php echo $row_RS_ViewSubject['sb_description']; ?></td>
<td valign="top"><div align="center"><?php echo
$row_RS_ViewSubject['sb_nosession']; ?></div></td>
<td valign="top"><div align="center"><a href=<?php echo $deleteLink; ?>"></a></div></td>
</tr>
<?php } while ($row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject)); ?>
<?php ?>
</table>
<p>&nbsp;
</p> </td>
</tr>
</table>
<p><br />
</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
<?php
mysql_free_result($RS_ViewSubject);
?>
```

Createtutorial.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$userType = $_SESSION['userType'];
?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewSubject = "SELECT sb_ID, sb_name, sb_noSession FROM subject";
$RS_ViewSubject = mysql_query($query_RS_ViewSubject, $AMSConnection) or die(mysql_error());
$row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);
$totalRows_RS_ViewSubject = mysql_num_rows($RS_ViewSubject);

mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewTutorial = "SELECT tt_ID, tt_name, s_sb_name, tt_priority FROM tutorial t, subject s WHERE s_sb_ID=tt_sb_ID
AND tt_lc_ID='$username' ORDER BY tt_priority";
if(isset($_HTTP_GET_VARS['subjectcode']))
{
    if($_HTTP_GET_VARS['subjectcode'] != NULL)
        { $query_RS_ViewTutorial = "SELECT tt_ID, tt_name, s_sb_name, tt_priority FROM tutorial t, subject s WHERE
s_sb_ID='$_HTTP_GET_VARS[subjectcode]' AND s_sb_ID=tt_sb_ID AND tt_lc_ID='$username' ORDER BY tt_priority"; }
}
$RS_ViewTutorial = mysql_query($query_RS_ViewTutorial, $AMSConnection) or die(mysql_error());
$row_RS_ViewTutorial = mysql_num_rows($RS_ViewTutorial);
?>
<?php
if($userType != "Lecturer")
{ header('Location:index.php'); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Lecturer Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_reloadPage(init) { // reloads the window if Nav4 resized
if(init==true) with (navigator) {if ((appName=="Netscape")&&(parseInt(appVersion)==4)) {
document.MM_pgW=innerWidth; document.MM_pgH=innerHeight; onresize=MM_reloadPage; }}
else if (innerWidth!=document.MM_pgW || innerHeight!=document.MM_pgH) location.reload();
}
MM_reloadPage(true);
-->
function MM_MenuSubject(targ,selObj){ //v3.0
eval(targ+'.location="createtutorial.php?subjectcode="'+selObj.options[selObj.selectedIndex].value+'");}
}

function MM_findObj(n, d) { //v4.01
var p,i,x; if(d==document) if((p=n.indexOf("?"))>0&&parent.frames.length) {
d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
if((x=d[n])&&d.all) x=d.all[n]; for (i=0;i<x&&i<d.forms.length;i++) x=d.forms[i][n];
for(i=0;i<x&&d.layers&&i<d.layers.length;i++) x=MM_findObj(n,d.layers[i].document);
if(x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_jumpMenuGo(selName,targ,restore){ //v3.0
var selObj = MM_findObj(selName); if (selObj) MM_jumpMenu(targ,selObj,restore);
}
```

```
//-->
</script>
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>ID : <?php echo $username; ?></p>
                <p>&nbsp; </p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span>Lecturer Page<br />
</h1>
            <p></p>
            </div>
            <p>&nbsp;</p>
            <div class="leftmenu">
                <div class="nav">
                    <ul>
                        <li><a href="lecturer.php">Home</a></li>
                        <li>Profile
                            <ul>
                                <li><a href="lecturer_viewinfo.php">View Profile</a></li>
                                <li><a href="lecturer_updateinfo.php">Edit Profile</a></li>
                            </ul>
                        </li>
                        <li>Subject
                            <ul>
                                <li><a href="createtutorial.php">Register Subject</a></li>
                            </ul>
                        </li>
                        <li>Attendance Details
                            <ul>
                                <li><a href="attendance_summary.php">Attendance</a></li>
                            </ul>
                        </li>
                        <li><a href="logout.php">Logout</a></li>
                    </ul>
                </div>
                <div class="padding">
                    <h2>&nbsp; </h2>
                </div>
            </div>
        </div>
    </div>
</div>

<blockquote>
<p class="style9">Create Tutorial : </p>
    <table width="551" border="0" cellpadding="1">
        <form name="form1" id="form1" method="post" action="process_createtutorial.php">
            <tr>
```

```

<td width="161" height="25">Subject : </td>
<td width="380" valign="top"><select name="subjectcode" onChange="MM_MenuSubject('parent',this)">
    <option></option>
<?php
    do {
        $selected = "";
        if($row_RS_ViewSubject['sb_ID'] == $HTTP_GET_VARS['subjectcode'])
            { $selected = "Selected"; }
    ?>
    <option value=<?php echo $row_RS_ViewSubject['sb_ID']?>> <?php echo $selected; ?>><?php echo
$row_RS_ViewSubject['sb_name']?></option>
<?php
    } while ($row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject));
    $rows = mysql_num_rows($RS_ViewSubject);
    if($rows > 0) {
        mysql_data_seek($RS_ViewSubject, 0);
        $row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);
    }
?>
</select><input type="hidden" name="subject_code" value=<?php echo $_GET[subjectcode];?>></td>
</tr>
<tr>
<td height="24">Tutorial Name: </td>
    <td width="380" valign="top"><input type="text" name="tutorial" size="30">

    <input type="hidden" name="nosession" value=<?php echo
$row_RS_ViewSubject['sb_nosession'];?>>
    <input type="submit" name="Submit" value="Create" /></td>
</tr>
</form>
<tr>
<td>&ampnbsp</td>
</tr>
<tr>
<td colspan="2"><p>&ampnbsp</p>
<hr />
<p>Search Subject:</p>
<form name="form2" id="form2">

<select name="searchsubject" id="searchsubject" onChange="MM_jumpMenu('parent',this,0)">
    <option value=""></option>
    <?php
        do {
    ?>
    <option value=<?php echo $row_RS_ViewSubject['sb_ID']?>><?php echo $row_RS_ViewSubject['sb_name']?></option>
    <?php
        } while ($row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject));
        $rows = mysql_num_rows($RS_ViewSubject);
        if($rows > 0) {
            mysql_data_seek($RS_ViewSubject, 0);
            $row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);
        }
    ?>
</select>
</form>
<p>&ampnbsp</p>
<table width="541" border="0">
<tr>
    <td width="175" class="boxads">SUBJECT NAME</td>
    <td width="210" class="boxads">TUTORIAL </td>
    <td width="80" class="boxads">PRIORITY</td>
    <td width="20" class="boxads">DELETE</td>
</tr>
<?php
    if($row_RS_ViewTutorial>0)
    {
        while ($row_RS_ViewTutorial = mysql_fetch_array($RS_ViewTutorial))
        {

```

```
$deleteLink =
"deletetutorial.php?tutorialid=\"$row_RS_ViewTutorial['tt_ID']";
?>
<form name="form3" method="post" action="process_updatepriority.php">
<tr>
<td><?php echo $row_RS_ViewTutorial['sb_name']; ?></td>
<td><?php echo $row_RS_ViewTutorial['tt_name']; ?>
<input type="hidden" name="tutorialid" value=<?php echo
$row_RS_ViewTutorial['tt_ID'];?>></td>
<td><div align="center"><select name="priority">
<?php
for($i=0;$i<=20;$i++)
{
    if($i == $row_RS_ViewTutorial['tt_priority'])
    {
        ?>
<option value=<?php echo $i; ?>" selected><?php echo $i; ?></option>
<?php
    }
    else
    {
        ?>
<option value=<?php echo $i; ?>><?php echo $i; ?></option>
<?php
    }
}
?>
</select>
<input type="submit" name="Submit2" value="+" />
</div></td>
<td><div align="center"><a href=<?php echo $deleteLink; ?>></a></td>
</tr>
</table>
<?php
}
?>
</p>&nbsp;
</p></td>
</tr>
</table>
<p><br />
</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
<?php
mysql_free_result($RS_ViewSubject);

mysql_free_result($RS_ViewTutorial);
?>
```

DeleteSubject.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
if($HTTP_GET_VARS['subjectcode'] != NULL)
{
    $query_DeleteSubject = "DELETE FROM subject WHERE sb_ID='".$HTTP_GET_VARS['subjectcode']."";
    $DeleteQuery = mysql_query($query_DeleteSubject, $AMSConnection) or die(mysql_error());
    if($DeleteQuery)
    {
        header('Location:createsubject.php');
    }
}
else
{
    Echo "Error";
}

mysql_free_result($DeleteQuery);
?>
```

DeleteTutorial.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
if($HTTP_GET_VARS['tutorialid'] != NULL)
{
    $query_DeleteSubject = "DELETE FROM tutorial WHERE tt_ID='".$HTTP_GET_VARS['tutorialid']."";
    $DeleteQuery = mysql_query($query_DeleteSubject, $AMSConnection) or die(mysql_error());
    if($DeleteQuery)
    {
        header('Location:createtutorial.php');
    }
}
else
{
    Echo "Error";
}

mysql_free_result($DeleteQuery);
?>
```

DeleteUser.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
if($HTTP_GET_VARS['usertype'] == "Lecturer")
{ $query_DeleteUser = "CALL delete_lecturer('$HTTP_GET_VARS[username]'); "}
else if($HTTP_GET_VARS['usertype'] == "Student")
{ $query_DeleteUser = "CALL delete_student('$HTTP_GET_VARS[username]'); "}
else
{ $query_DeleteUser = "DELETE FROM `user` WHERE username='".$HTTP_GET_VARS[username]""; }
$DeleteQuery = mysql_query($query_DeleteUser, $AMSConnection) or die(mysql_error());
if($DeleteQuery)
{
    header('Location:admin.php');
}
mysql_free_result($DeleteQuery);
?>
```

Index.php

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
```

```
<head>
<title>AMS : Login Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<meta name="description" content="LGBBlue Free Css Template" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_reloadPage(init) { // reloads the window if Nav4 resized
  if (init==true) with (navigator) {if ((appName=="Netscape")&&(parseInt(appVersion)==4)) {
    document.MM_pgW=innerWidth; document.MM_pgH=innerHeight; onresize=MM_reloadPage; }}
  else if (innerWidth!=document.MM_pgW || innerHeight!=document.MM_pgH) location.reload();
}
MM_reloadPage(true);
//-->
</script>
<style type="text/css">
<!-- OTHER ADHOC STYLES GOES HERE -->
</style>
</head>

<body>

<script language="JavaScript">
<!--
*****
FIELD VALIDATION
*****/


function formCheck(formobj){
    // Enter name of mandatory fields
    var fieldRequired = Array("username", "password");
    // Enter field description to appear in the dialog box
    var fieldDescription = Array("username", "password");
    // dialog message
    var alertMsg = "Null or Invalid input \n";
    var l_Msg = alertMsg.length;

    for (var i = 0; i < fieldRequired.length; i++){
        var obj = formobj.elements[fieldRequired[i]];
        if (obj){
            switch(obj.type){
                case "select-one":
                    if (obj.selectedIndex == -1 || obj.options[obj.selectedIndex].text == ""){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "select-multiple":
                    if (obj.selectedIndex == -1){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "text":
                case "textarea":
                case "password":
                    if (obj.value == "" || obj.value == null){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
            }
        }
    }
}


```

```
        }
        break;
    default:
    }
    if(obj.type == undefined){
        var blnchecked = false;
        for(var j = 0; j < obj.length; j++){
            if(obj[j].checked){
                blnchecked = true;
            }
        }
        if(!blnchecked){
            alertMsg += " - " + fieldDescription[i] + "\n";
        }
    }
}
if(alertMsg.length == _Msg){
    return true;
} else{
    alert(alertMsg);
    return false;
}
}
//-->
</script>
```

```
<div class="content">
<div id="toph"></div>
<div id="header">
    <div class="rside">
        <div>
            <p></p>
            <p></p><p></p><p></p><p></p>
            <p class="style8">&nbsp;</p>
        </div>
    </div>
    <div class="lside">
        <div class="title"></div>
    </div>
</div>
<div id="main">
    <div class="center">
        <form name="form1" id="form1" onsubmit="return formCheck(this); method="post"
action="login_process.php">
            <br><br><br><br><br><br>
            <br>
            <br>

            <p class="title">Username:</p>
            <input type="text" name="username" />
            </p>
            <p class="title">Password :</p>
            <input type="password" name="password" />
            <input type="submit" name="Submit" value="Submit" />
            <span class="citation style4"><a href="#" target="_blank">help</a></span></p>
            <p>&nbsp;</p>
            <p><span class="title"></span> </span> </p>
```

```
</form>
<span class="citation style4"></span><br />
Advertise with us | <a href="#">feedback</a><br />
<p></p>

</div>
<div class="leftmenu">
    <div class="nav">
        <ul>
            <li><a href="http://www.yahoo.com">Yahoo</a></li>
            <li>.....</li>
            <li>.....</li>
            <li>.....</li>
            <li>.....</li>
            <li>.....</li>
            <li>....</li>
        </ul>
    </div>
    <div class="padding">
        <h2>Search</h2>
        <form action="#">
            <div class="search">
                <input type="text" value="" class="text" />
                <input type="submit" value="Go" class="searchbutton" /><br />
            </div>
        </form>
        <br />
        <hr />
        <h3>WHY SHOULD YOU USE <strong><a href="#">AMS</a></strong>?</h3>
        <p>Hassle Free</p>
        <p>Low Error Rate</p>
        <p>High Exceptional Handling </p>
        <hr /><br />
        <h2>Links</h2>
        <div class="links">
             <a href="#">Student Directory </a><br />
             <a href="#">UTP Library </a><br />
        </div>
        </div>
    </div>
    <div align="center"><br />
<br />
</div>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |<br />
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
```

Lecturer.php

```
<?php require_once('Connections/AMSConnection.php'); ?>
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewSubject = "SELECT distinct(s.sb_ID), s.sb_name FROM subject s, tutorial t WHERE t.lc_ID='$username' AND
t.sb_ID=s.sb_ID";
$RS_ViewSubject = mysql_query($query_RS_ViewSubject, $AMSConnection) or die(mysql_error());
$row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);
$totalRows_RS_ViewSubject = mysql_num_rows($RS_ViewSubject);

$colname_RS_ViewTutorial = "1";
if(isset($_HTTP_GET_VARS['subjectcode'])) {
    $colname_RS_ViewTutorial = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['subjectcode'] :
addslashes($_HTTP_GET_VARS['subjectcode']);
}
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewTutorial = sprintf("SELECT tt_ID, tt_name FROM tutorial WHERE sb_ID = '%s' ORDER BY tt_priority ASC",
$colname_RS_ViewTutorial);
$RS_ViewTutorial = mysql_query($query_RS_ViewTutorial, $AMSConnection) or die(mysql_error());
$row_RS_ViewTutorial = mysql_fetch_assoc($RS_ViewTutorial);
$totalRows_RS_ViewTutorial = mysql_num_rows($RS_ViewTutorial);

$colname_RS_ViewSession = "1";
if(isset($_HTTP_GET_VARS['tutorialcode'])) {
    $colname_RS_ViewSession = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['tutorialcode'] :
addslashes($_HTTP_GET_VARS['tutorialcode']);
}
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewSession = sprintf("SELECT ss_ID, ss_no FROM `session` WHERE tt_ID = %s ORDER BY ss_no ASC",
$colname_RS_ViewSession);
$RS_ViewSession = mysql_query($query_RS_ViewSession, $AMSConnection) or die(mysql_error());
$row_RS_ViewSession = mysql_fetch_assoc($RS_ViewSession);
$totalRows_RS_ViewSession = mysql_num_rows($RS_ViewSession);
?>
<?php
if($usertype != "Lecturer")
{ header('Location:index.php'); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Lecturer Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagedtoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_reloadPage(init) { // reloads the window if Nav4 resized
  if (init==true) with (navigator) {if ((appName=="Netscape")&&(parseInt(appVersion)==4)) {
    document.MM_pgW=innerWidth; document.MM_pgH=innerHeight; onresize=MM_reloadPage; }}
  else if (innerWidth!=document.MM_pgW || innerHeight!=document.MM_pgH) location.reload();
}
MM_reloadPage(true);

function getUrlVars()
{

```

```
var vars = [], hash;
var hashes = window.location.href.slice(window.location.href.indexOf('?') + 1).split('&');
for(var i = 0; i < hashes.length; i++)
{
    hash = hashes[i].split('=');
    vars.push(hash[0]);
    vars[hash[0]] = hash[1];
}
return vars;
}

function MM_MenuSubject(targ,selObj){ //v3.0
eval(targ+".location='lecturer.php?subjectcode='"+selObj.options[selObj.selectedIndex].value+"'");
}

function MM_MenuTutorial(targ,selObj){ //v3.0
var hash = getUrlVars();
eval(targ+".location='lecturer.php?subjectcode='"+hash['subjectcode']+ '&tutorialcode=' + selObj.options[selObj.selectedIndex].value+"'");
}

function MM_MenuSession(targ,selObj){ //v3.0
var hash = getUrlVars();
eval(targ+".location='lecturer.php?subjectcode='"+hash['subjectcode']+ '&tutorialcode=' + hash['tutorialcode']+ '&sessioncode=' + selObj.options[selObj.selectedIndex].value+"'");
}

function MM_findObj(n, d) { //v4.01
var p,i,x; if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length) {
  d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
if((x=d[n])&&d.all) x=d.all[n]; for (i=0;i<&&i<d.forms.length;i++) x=d.forms[i][n];
for (i=0;i<&&d.layers&&i<d.layers.length;i++) x=MM_findObj(n,d.layers[i].document);
if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_jumpMenuGo(selName,targ,restore){ //v3.0
var selObj = MM_findObj(selName); if (selObj) MM_jumpMenu(targ,selObj,restore);
}
//-->
</script>
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>
<div class="content">
  <div id="toph"></div>
  <div id="header">
    <div class="rside">
      <div class="citation">
        </div>
    </div>
    <div class="lside">
      <div class="title">
        <p>Welcome <?php echo $name; ?></p>
        <p>ID : <?php echo $username; ?></p>
        <p>&nbsp; </p>
      </div>
    </div>
  </div>
  <div id="main">
    <div class="center">
```

```

<h1 align="left"><span class="citation style4"></span><br />
    Lecturer Page<br/>
</h1>
<p></p>

</div>
<p>&nbsp;</p>
<div class="leftmenu">
    <div class="nav">
        <ul>
            <li><a href="lecturer.php">Home</a></li>
            <li>Profile
                <ul>
                    <li><a href="lecturer_viewinfo.php">View Profile</a></li>
                    <li><a href="lecturer_updateinfo.php">Edit Profile</a></li>
                </ul>
            </li>
            <li>Subject
                <ul>
                    <li><a href="createtutorial.php">Register Subject</a></li>
                </ul>
            </li>
            <li>Attendance Details
                <ul>
                    <li><a href="attendance_summary.php">Attendance</a></li>
                </ul>
            </li>
            <li><a href="logout.php">Logout</a></li>
        </ul>
    </div>
    <div class="padding">
        <h2>&nbsp; </h2>
    </div>
</div>
</div>

<blockquote>
<p class="style9"> Session Activation / Deactivation : </p>
<table width="551" border="0" cellpadding="1">
    <form name="form1">
        <tr>
            <td width="161" height="25">Subject : </td>
            <td width="380" valign="top"><select name="subjectcode" onChange="MM_MenuSubject('parent',this)">
                <option></option>
                <?php
                    do {
                        $selected = "";
                        if($row_RS_ViewSubject['sb_ID'] == $HTTP_GET_VARS['subjectcode'])
                            { $selected = "Selected"; }
                    ?>
                <option value=<?php echo $row_RS_ViewSubject['sb_ID']?> <?php echo $selected; ?>><?php echo
                $row_RS_ViewSubject['sb_name']?></option>
                <?php
                    } while ($row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject));
                    $rows = mysql_num_rows($RS_ViewSubject);
                    if($rows > 0) {
                        mysql_data_seek($RS_ViewSubject, 0);
                        $row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);
                    }
                ?>
            </select></td>
        </tr>
        <tr>
            <td height="24">Tutorial : </td>
            <td height="24" valign="top"><select name="tutorialcode" id="tutorialcode"
                onChange="MM_MenuTutorial('parent',this)">
                <option></option>
                <?php
                    do {

```

```

$selected = "";
if($row_RS_ViewTutorial['tt_ID'] == $HTTP_GET_VARS['tutorialcode'])
{ $selected = "Selected"; }
?>
<option value=<?php echo $row_RS_ViewTutorial['tt_ID']?>> <?php echo $selected; ?>><?php echo
$row_RS_ViewTutorial['tt_name']?></option>
<?php
} while ($row_RS_ViewTutorial = mysql_fetch_assoc($RS_ViewTutorial));
$rows = mysql_num_rows($RS_ViewTutorial);
if($rows > 0) {
mysql_data_seek($RS_ViewTutorial, 0);
$row_RS_ViewTutorial = mysql_fetch_assoc($RS_ViewTutorial);
}
?>
</select></td>
</tr>
<tr>
<td height="25">Session : </td>
<td height="25" valign="top"><select name="sessioncode" id="sessioncode"
onChange="MM_MenuSession('parent',this)">
<option value=""></option>
<?php
do {
?>
<option value=<?php echo $row_RS_ViewSession['ss_ID']?>><?php echo $row_RS_ViewSession['ss_no']?></option>
<?php
} while ($row_RS_ViewSession = mysql_fetch_assoc($RS_ViewSession));
$rows = mysql_num_rows($RS_ViewSession);
if($rows > 0) {
mysql_data_seek($RS_ViewSession, 0);
$row_RS_ViewSession = mysql_fetch_assoc($RS_ViewSession);
}
?>
</select></td>
</tr>
</form>
<?php
if(isset($HTTP_GET_VARS['sessioncode']))
{
$startLink =
"startsession.php?sessionid=". $HTTP_GET_VARS['sessioncode']. "&action=start";
$stopLink =
"startsession.php?sessionid=". $HTTP_GET_VARS['sessioncode']. "&action=stop";
?>
<tr>
<td>&ampnbsp</td>
</tr>
<tr>
<td><p class="style9">Session Details : </p></td>
</tr>
<tr>
<td colspan="2">
<?php
$query_RS_Session = "SELECT s.ss_status,s.ss_no,t.tt_name,l.lc_name,sb.sb_name FROM session
s, tutorial t, lecturer l, subject sb WHERE s.ss_ID=". $HTTP_GET_VARS['sessioncode']. " ";
$query_RS_Session .= " AND s.tt_ID=t.tt_ID AND t.lc_ID=l.lc_ID AND t.sb_ID=sb.sb_ID";
$RS_Session = mysql_query($query_RS_Session, $AMSConnection) or die(mysql_error());
$rows_RS_Session = mysql_fetch_array($RS_Session);
$totalRows_RS_Session = mysql_num_rows($RS_Session);
?>
<form name="form2">
<table width="500" border="0" cellpadding="1">
<tr>
<td width="160" height="25">Lecturer Name : </td>
<td width="340" height="25" valign="top"><?php echo
$rows_RS_Session['lc_name']; ?></td>
</tr>
<tr>
<td height="25">Subject : </td>

```

```

        <td height="25" valign="top"><?php echo $rows_RS_Session['sb_name']; ?></td>
        <tr>
        <td height="25">Tutorial Session : </td>
        <td height="25" valign="top"><?php echo $rows_RS_Session['tt_name']. " - " . $rows_RS_Session['ss_no']; ?></td>
        <tr>
        <td height="25">Status : </td>
        <td width="340" height="25" valign="top"><?php echo
$rows_RS_Session['ss_status']; ?></td>
        </tr>
        <tr>
        <td height="25"></td>
        <td width="340" height="25" valign="top">
<?php
if($rows_RS_Session['ss_status']=="CLOSED")
{
?
<input type="button" name="Start" value="Start"
<?php
}
else if($rows_RS_Session['ss_status']=="OPENED")
{
?
<input type="button" name="Stop" value="Stop"
<?php
}
?></td>
        </tr>
        </table>
        </form>
        </td>
    </tr>
    <?php
}
?>
    <tr>
        <td>&nbsp;</td>
    </tr>
    <tr>
        <td colspan="2"><p>&nbsp;</p>
        <hr />
        <p>Refresh List
        <?php
            $selfLink = "lecturer.php";
            if(isset($_GET['VARS']['sessioncode']))
            { $selfLink .= "?sessioncode=".$_GET['VARS']['sessioncode']; }
        ?>
        <input type="button" name="Button1" value="Go" onClick="document.location.href=<?php echo $selfLink; ?>" />
</p>
        <p>&nbsp;</p>
        <table width="541" border="0">
        <tr>
            <td width="74" class="boxads">STUDENT ID </td>
            <td width="396" class="boxads"> STUDENT NAME </td>
            <td width="57" class="boxads">TIME IN </td>
        </tr>
        <?php
            $query_RS_Attend = "SELECT a.at_timein, a.st_ID, s.st_name FROM attendance a, student s
WHERE a.ss_ID=".$_GET['VARS']['sessioncode'] AND a.st_ID=s.st_ID";
            $RS_Attend = mysql_query($query_RS_Attend, $AMSConnection) or die(mysql_error());
            $totalRows_RS_Attend = mysql_num_rows($RS_Attend);
            if($totalRows_RS_Attend > 0)
            {
                while($rows_RS_Attend = mysql_fetch_array($RS_Attend))
                {

```

```
?>
<tr>
<td><?php echo $rows_RS_Attend['st_ID']; ?></td>
<td><?php echo $rows_RS_Attend['st_name']; ?></td>
<td><?php echo $rows_RS_Attend['at_timein']; ?></td>
</tr>
<?php
}
} else {
    echo "<tr><td colspan=3 align=center>No student</td></tr>";
}
?>
</table>      <p>&nbsp;</p></td>
</tr>
</table>
<p><br />
</p>
</blockquote>
<div id="footer">Copyright © 2007 Universiti Teknologi Petronas |
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
<?php
mysql_free_result($RS_ViewSubject);
mysql_free_result($RS_ViewTutorial);
mysql_free_result($RS_ViewSession);
?>
```

Lecturer_updateinfo.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_LecturerInfo = sprintf("SELECT * FROM lecturer WHERE lc_ID = %s", $username);
$RS_LecturerInfo = mysql_query($query_RS_LecturerInfo, $AMSConnection) or die(mysql_error());
$row_RS_LecturerInfo = mysql_fetch_assoc($RS_LecturerInfo);
$totalRows_RS_LecturerInfo = mysql_num_rows($RS_LecturerInfo);
?>

<?php
if($usertype != "Lecturer")
{ header('Location:index.php'); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Lecturer Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
```

```
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>

<script language="JavaScript">
<!--

*****FIELD VALIDATION*****
-->

function formCheck(formobj){
    // Enter name of mandatory fields
    var fieldRequired = Array("id","Name");
    // Enter field description to appear in the dialog box
    var fieldDescription = Array("ID","Name");
    // dialog message
    var alertMsg = "Null or Invalid input.\n";
    var l_Msg = alertMsg.length;

    for (var i = 0; i < fieldRequired.length; i++){
        var obj = formobj.elements[fieldRequired[i]];
        if (obj){
            switch(obj.type){
                case "select-one":
                    if (obj.selectedIndex == -1 || obj.options[obj.selectedIndex].text == ""){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "select-multiple":
                    if (obj.selectedIndex == -1){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "text":
                case "textarea":
                case "password":
                    if (obj.value == "" || obj.value == null){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "integer":
                    if (obj.value == null || obj.value/1 != obj.value)
                    {
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                default:
            }
            if (obj.type == undefined){
                var blnchecked = false;
                for (var j = 0; j < obj.length; j++){
                    if (obj[j].checked){
                        blnchecked = true;
                    }
                }
                if (!blnchecked){
                    alertMsg += " - " + fieldDescription[i] + "\n";
                }
            }
        }
    }
}
```

```
        }
    }
}

if(alertMsg.length == l_Msg){
    return true;
}else{
    alert(alertMsg);
    return false;
}
//-->
</script>

<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>User ID : <?php echo $username; ?></p>
                <p>&ampnbsp </p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span><br />
                Update Lecturer Information<br />
            </h1>
            <p></p>
        </div>
        <div class="leftmenu">
            <div class="nav">
                <ul>
                    <li><a href="lecturer.php">Home</a></li>
                    <li>Profile
                        <ul>
                            <li><a href="lecturer_viewinfo.php">View Profile</a></li>
                            <li><a href="lecturer_updateinfo.php">Edit Profile</a></li>
                        </ul>
                    </li>
                    <li>Subject
                        <ul>
                            <li><a href="createtutorial.php">Register Subject</a></li>
                        </ul>
                    </li>
                    <li>Attendance Details
                        <ul>
                            <li><a href="attendance_summary.php">Attendance</a></li>
                        </ul>
                    </li>
                    <li><a href="logout.php">Logout</a></li>
                </ul>
            </div>
            <div class="padding">
                <h2>&ampnbsp </h2>
            </div>
        </div>
    </div>
</blockquote>
```

```
<p>&nbsp;</p>
<form name="form1" id="form1" onsubmit="return formCheck(this); " method="post"
action="process_lecturerinfo.php">
<table width="551" border="0" cellpadding="1">
<tr>
<td width="105" height="24">ID No :</td>
<td width="436" valign="top"><input name="id" type="integer" id="id" value=<?php echo
$row_RS_LecturerInfo['lc_ID']; ?>" size="6" maxlength="5" readonly=true />
</td>
</tr>
<tr>
<td height="25">Name :</td>
<td width="436" valign="top"><input name="Name" type="text" id="Name" value=<?php echo
$row_RS_LecturerInfo['lc_name']; ?>" size="30" maxlength="50" />
</td>
</tr>
<tr>
<td height="25">Faculty :</td>
<td width="436" valign="top"><input name="Faculty" type="text" value=<?php echo
$row_RS_LecturerInfo['lc_faculty']; ?>" size="30" maxlength="100" /></td>
</tr>
<tr>
<td>&nbsp;</td>
<td width="436" valign="top"><input type="submit" name="Submit" value="Update" /></td>
</tr>
</table>
</form>
<p><br />
</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
<a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>
```

```
</body>
</html>
<?php
mysql_free_result($RS_LecturerInfo);
?>
```

Lecturer viewinfo.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
?>
<?php
if($usertype != "Lecturer")
{ header('Location:index.php'); }
?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RSViewUserInfo = sprintf("SELECT * FROM lecturer WHERE lc_ID = %s", $username);
$RSViewUserInfo = mysql_query($query_RSViewUserInfo, $AMSConnection) or die(mysql_error());
$row_RSViewUserInfo = mysql_fetch_assoc($RSViewUserInfo);
$totalRows_RSViewUserInfo = mysql_num_rows($RSViewUserInfo);
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Lecturer Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
```

```
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>User ID : <?php echo $username; ?></p>
                <p>&nbsp; </p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span><br />
            View Lecturer Information<br />
        </h1>
        <p></p>
        </div>
        <div class="leftmenu">
            <div class="nav">
                <ul>
                    <li><a href="lecturer.php">Home</a></li>
                    <li>Profile
                        <ul>
                            <li><a href="lecturer_viewinfo.php">View Profile</a></li>
                            <li><a href="lecturer_updateinfo.php">Edit Profile</a></li>
                        </ul>
                    </li>
                    <li>Subject
                        <ul>
                            <li><a href="createtutorial.php">Register Subject</a></li>
                        </ul>
                    </li>
                    <li>Attendance Details
                        <ul>
                            <li><a href="attendance_summary.php">Attendance</a></li>
                        </ul>
                    </li>
                    <li><a href="logout.php">Logout</a></li>
                </ul>
            </div>
            <div class="padding">
                <h2>&nbsp; </h2>
            </div>
        </div>
    </div>
</div>
```

```
<blockquote>
<p>&nbsp;</p>
<table width="551" border="0" cellpadding="1">
<tr>
<td height="24" valign="top">ID No : </td>
<td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['lc_ID']; ?></td>
</tr>
<tr>
<td width="105" height="24" valign="top">Name : </td>
<td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['lc_name']; ?></td>
</tr>
<tr>
<td height="24" valign="top">Faculty : </td>
<td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['lc_faculty']; ?></td>
</tr>
<tr>
<td colspan="2" style="text-align: center; padding-top: 10px;">
<form name="form1" id="form1" method="post" action="lecturer_updateinfo.php">
<tr>
<td>&nbsp;</td>
<td width="436" valign="top">
<input type="submit" name="Update" value="Update" /></td>
</tr>
</form>
</td>
</tr>
</table>
<p><br />

</p>
</blockquote>
<div id="footer">Copyright © 2007 Universiti Teknologi Petronas |
      <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
<?php
mysql_free_result($RSViewUserInfo);
?>
```

Login_process.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RecordsetLogin = "SELECT * FROM `user` WHERE `user`.`username` = '$HTTP_POST_VARS[username]' AND
`user`.`password` = '$HTTP_POST_VARS[password]'";
$RecordsetLogin = mysql_query($query_RecordsetLogin, $AMSConnection) or die(mysql_error());
$row_RecordsetLogin = mysql_fetch_assoc($RecordsetLogin);
$totalRows_RecordsetLogin = mysql_num_rows($RecordsetLogin);
if($totalRows_RecordsetLogin < 1)
{
    header('Location:index.php');
}
else
{
    $username = $row_RecordsetLogin['username'];
    $usertype = $row_RecordsetLogin['usertype'];
    $name = $row_RecordsetLogin['name'];
    if($username != null && $usertype != null)
    {
        $_SESSION['username'] = $username;
        $_SESSION['usertype'] = $usertype;
        $_SESSION['name'] = $name;
        $query_UpdateLogin = "UPDATE `user` SET `user`.`login_date` = NOW() WHERE `user`.`username` =
'$username'";
        $UpdateLogin = mysql_query($query_UpdateLogin,$AMSConnection);
```

```
switch($usertype) {
    case "Admin" : header('Location:admin.php');
                    break;
    case "Lecturer" : header('Location:lecturer.php');
                       break;
    case "Student" : header('Location:student.php');
                      break;
}
}

mysql_free_result($RecordsetLogin);
?>
```

Logout.php

```
<?php
session_start();
session_destroy();
header('Location:index.php');
?>
```

My attendance.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_Subject = "SELECT s.sb_name, st.sb_ID FROM subject s, subject_taken st WHERE st.st_ID=$username AND
st.sb_ID=s.sb_ID";
$RS_Subject = mysql_query($query_RS_Subject, $AMSConnection) or die(mysql_error());
$row_RS_Subject = mysql_fetch_assoc($RS_Subject);
$totalRows_RS_Subject = mysql_num_rows($RS_Subject);
?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
?>
<?php
if($usertype != "Student")
{ header('Location:index.php'); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
      "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Student Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 { font-size: small }
.style6 { font-size: 12px }
-->
</style>
<script language="JavaScript">
function MM_MenuSubject(targ,selObj){ //v3.0
  eval(targ+".location='my_attendance.php?subjectcode='"+selObj.options[selObj.selectedIndex].value+"'");
}
</script>
</head>
```

```
<body>
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>User ID : <?php echo $username; ?></p>
                <p>&nbsp;</p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span><br />
            Student Attendance<br />
        </h1>
        <p></p>
        </div>
        <div class="leftmenu">
            <div class="nav">
                <ul>
                    <li><a href="student.php">Home</a></li>
                    <li>Profile
                        <ul>
                            <li><a href="student_viewinfo.php">View Profile</a></li>
                            <li><a href="student_updateinfo.php">Edit Profile</a></li>
                        </ul>
                    </li>
                    <li>Subject
                        <ul>
                            <li><a href="student_registersubject.php">Register Subject</a></li>
                        </ul>
                    </li>
                    <li>Attendance Details
                        <ul>
                            <li><a href="my_attendance.php">My Attendance</a></li>
                        </ul>
                    </li>
                    <li><a href="logout.php">Logout</a></li>
                </ul>
            </div>
            <div class="padding">
                <h2>&nbsp; </h2>
            </div>
        </div>
    </div>
</div>

<blockquote>
<p>&nbsp;</p>
    <table width="551" border="0" cellpadding="1">
        <tr>
            <td width="105" height="24">Subject : </td>
            <td width="436" height="24" valign="top"><select name="subjectcode" onChange="MM_MenuSubject('parent',this)">
                <option value=""></option>
                <?php
do {
?>
                <option value="<?php echo $row_RS_Subject['sb_ID']?><?php echo $row_RS_Subject['sb_name']?>"><?php echo $row_RS_Subject['sb_name']?></option>
                <?php
} while ($row_RS_Subject = mysql_fetch_assoc($RS_Subject));
$rows = mysql_num_rows($RS_Subject);
```

```
if($rows > 0) {
    mysql_data_seek($RS_Subject, 0);
    $row_RS_Subject = mysql_fetch_assoc($RS_Subject);
}
?>
</select></td>
</tr>
<tr>
<td height="24" colspan="2"><hr></td>
</tr>
<?php
if($_GET[subjectcode]!="NULL")
{
?>
<tr>
<td height="30" colspan="2" valign="top"><strong>Attendance Details </strong></td>
</tr>
<?php
$query_RS_SubjectInfo = "SELECT s_sb_name, s_sb_description, l_lc_name FROM subject s, lecturer l,
tutorial t WHERE s_sb_ID='".$_GET[subjectcode]."' AND s_sb_ID=t_sb_ID AND l_lc_ID=t_lc_ID";
$RS_SubjectInfo = mysql_query($query_RS_SubjectInfo, $AMSConnection) or die(mysql_error());
$row_RS_SubjectInfo = mysql_fetch_array($RS_SubjectInfo);
?>
<tr>
<td>Lecturer Name : </td>
<td><?php echo $row_RS_SubjectInfo['lc_name']; ?></td>
</tr>
<tr>
<td>Subject Name : </td>
<td><?php echo $row_RS_SubjectInfo['sb_name']; ?></td>
</tr>
<tr>
<td>Description : </td>
<td><?php echo $row_RS_SubjectInfo['sb_description']; ?></td>
</tr>
<tr>
<td colspan="2">&nbsp;</td>
</tr>
<tr>
<td height="24" colspan="2">
<table width="541" border="0">
<tr>
<td width="100" class="boxads" rowspan="2">&nbsp;</td>
<?php
$query_RS_Session = "SELECT sb_nosession FROM subject WHERE
sb_ID='".$_GET[subjectcode].'";
$RS_Session = mysql_query($query_RS_Session, $AMSConnection) or die(mysql_error());
$row_RS_Session = mysql_fetch_assoc($RS_Session);
$width = 440/$row_RS_Session['sb_nosession'];
for($i=1;$i<=$row_RS_Session['sb_nosession'];$i++)
{
?>
<td colspan="2" width="php echo $width; ?&gt;" class="boxads" align="center"&gt;SESSION &lt;?php
echo $i; ?&gt;&lt;/td&gt;
&lt;?php
}
?&gt;
&lt;/tr&gt;
&lt;tr&gt;
&lt;?php
for($i=1;$i&lt;=$row_RS_Session['sb_nosession'];$i++)
{
?&gt;
&lt;td class="boxads" align="center"&gt;Status&lt;/td&gt;
&lt;td class="boxads" align="center"&gt;Time In&lt;/td&gt;
&lt;?php
}
?&gt;
&lt;/tr&gt;</pre
```

```
<?php
$query_RS_Tutorial = "SELECT tt_name, tt_ID FROM tutorial WHERE
sb_ID=$_GET[subjectcode] ORDER BY tt_priority";
$RS_Tutorial = mysql_query($query_RS_Tutorial, $AMSConnection) or die(mysql_error());
while($row_RS_Tutorial = mysql_fetch_assoc($RS_Tutorial))
{
    $tt_ID = $row_RS_Tutorial['tt_ID'];
?>

<tr>
<td valign="middle" height="30"><?php echo $row_RS_Tutorial['tt_name']; ?></td>
<?php
for($i=1;$i<=$row_RS_Session['sb_nosession'],$i++)
{
    $query_RS_Attend = "SELECT a.at_status,a.at_timein FROM attendance a
WHERE a.tt_id=$tt_ID AND a.ss_no=$i AND a.st_ID='$username' LIMIT 1";
    $RS_Attend = mysql_query($query_RS_Attend, $AMSConnection) or
die(mysql_error());
    $total_RS_Attend = mysql_num_rows($RS_Attend);
    if($total_RS_Attend < 0)
    {
        echo "<td valign=\"middle\" align=\"center\"></td><td
valign=\"middle\" align=\"center\"></td>";
    }
    else
    {
        while($row_RS_Attend = mysql_fetch_array($RS_Attend))
        {
            $attend = $row_RS_Attend['at_status'];
        }
    }
}
?>
<td valign="middle" align="center"><?php if($attend=="Attend") { echo "<img src=\"images/ACCEPT.gif\" />"; } ?></td>
<td valign="middle" align="center"><?php echo $row_RS_Attend['at_timein']; ?></td>
<?php
}
}
?>
</table>
</td>
</tr>
<?php
}
}
?>
</table>
</td>
</tr>
</table>
<p><br />
</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
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</div>
</div>

</body>
</html>
<?php
mysql_free_result($RS_Subject);
?>
```

Process createsubject.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$subject_code = "";
$subject_name = "";
$subject_description = "";
$subject_nosession = "";
if(isset($_HTTP_POST_VARS['subject_code'])) {
    $subject_code = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['subject_code'] :
    addslashes($_HTTP_POST_VARS['subject_code']);
}
if(isset($_HTTP_POST_VARS['subject_name'])) {
    $subject_name = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['subject_name'] :
    addslashes($_HTTP_POST_VARS['subject_name']);
}
if(isset($_HTTP_POST_VARS['subject_description'])) {
    $subject_description = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['subject_description'] :
    addslashes($_HTTP_POST_VARS['subject_description']);
}
if(isset($_HTTP_POST_VARS['subject_nosession'])) {
    $subject_nosession = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['subject_nosession'] :
    addslashes($_HTTP_POST_VARS['subject_nosession']);
}

$insertSQL = sprintf("INSERT INTO subject VALUES ('$subject_code', '$subject_name', '$subject_description',
'$subject_nosession')");
mysql_select_db($database_AMSConnection, $AMSConnection);
$Result1 = mysql_query($insertSQL, $AMSConnection) or die(mysql_error());
if($Result1)
{
    header('Location:createsubject.php');
}
?>
```

Process createtutorial.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
 srand((double) microtime() *1000000);
$tutorial_code = rand(100000,999999);
$subject_code = "";
$subject_name = "";
$lecture_id = "";
$nosession = "";
if(isset($_HTTP_POST_VARS['subject_code'])) {
    $subject_code = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['subject_code'] :
    addslashes($_HTTP_POST_VARS['subject_code']);
}
if(isset($_HTTP_POST_VARS['tutorial'])) {
    $tutorial_name = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['tutorial'] : addslashes($_HTTP_POST_VARS['tutorial']);
}
if(isset($_SESSION_VARS['username'])) {
    $lecture_id = (get_magic_quotes_gpc()) ? $_SESSION_VARS['username'] :
    addslashes($_SESSION_VARS['username']);
}
if(isset($_HTTP_POST_VARS['nosession'])) {
    $nosession = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['nosession'] : addslashes($_HTTP_POST_VARS['nosession']);
}

$insertSQL = sprintf("INSERT INTO tutorial(tt_ID,tt_name,sb_ID,lc_ID) VALUES ('$tutorial_code','$tutorial_name', '$subject_code',
'$lecture_id')");
mysql_select_db($database_AMSConnection, $AMSConnection);
$Result1 = mysql_query($insertSQL, $AMSConnection) or die($insertSQL);
if($Result1)
{
    $selectsessionno = "SELECT sb_nosession FROM subject WHERE sb_ID='$subject_code'";
    $result = mysql_query($selectsessionno);
```

```
$row = mysql_fetch_array($result);
$nosession = $row['sb_nosession'];
for($i=1; $i <= $nosession; $i++) {
{
    $insertSessionSQL = "INSERT INTO session(ss_no, tt_ID) VALUES($i, '$tutorial_code')";
    $Result2 = mysql_query($insertSessionSQL, $AMSConnection) or die($insertSessionSQL);
}
header('Location:createTutorial.php');
}
?>
```

Process createuser.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = "";
$password = "";
$type = "";
$name = "";
if(isset($_HTTP_POST_VARS['username'])) {
    $username = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['username'] : addslashes($_HTTP_POST_VARS['username']);
}
if(isset($_HTTP_POST_VARS['password'])) {
    $password = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['password'] : addslashes($_HTTP_POST_VARS['password']);
}
if(isset($_HTTP_POST_VARS['type'])) {
    $type = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['type'] : addslashes($_HTTP_POST_VARS['type']);
}
if(isset($_HTTP_POST_VARS['name'])) {
    $name = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['name'] : addslashes($_HTTP_POST_VARS['name']);
}

if($type == "Lecturer")
{
    $insertSQL = sprintf("CALL create_lecturer('$username', '$password', '$type', '$name')");
}
else if($type == "Student")
{
    $insertSQL = sprintf("CALL create_student('$username', '$password', '$type', '$name')");
}
else
{
    $insertSQL = sprintf("INSERT INTO user (username, password, usertype, login_date, name) VALUES ('$username', '$password', '$type', NOW(), '$name')");
}
mysql_select_db($database_AMSConnection, $AMSConnection);
$Result1 = mysql_query($insertSQL, $AMSConnection) or die(mysql_error());
if($Result1)
{
    header('Location:admin.php');
}
?>
```

Process lecturer.info

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$id = "";
$name = "";
$faculty = "";
if(isset($_HTTP_POST_VARS['id'])) {
    $id = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['id'] : addslashes($_HTTP_POST_VARS['id']);
}
if(isset($_HTTP_POST_VARS['Name'])) {
    $name = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['Name'] : addslashes($_HTTP_POST_VARS['Name']);
}
if(isset($_HTTP_POST_VARS['Faculty'])) {
    $faculty = (get_magic_quotes_gpc()) ? $_HTTP_POST_VARS['Faculty'] : addslashes($_HTTP_POST_VARS['Faculty']);
}

$insertSQL = sprintf("CALL update_lecturer('$name', '$id', '$faculty')");
mysql_select_db($database_AMSConnection, $AMSConnection);
$Result1 = mysql_query($insertSQL, $AMSConnection) or die(mysql_error());
if($Result1)
```

```
{  
    $HTTP_SESSION_VARS['name'] = $name;  
    header('Location:lecturer_viewinfo.php');  
}  
?>
```

Process registersubject.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>  
<?php  
$subject_code = "";  
$student_id = "";  
if (isset($HTTP_POST_VARS['subject_code'])) {  
    $subject_code = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['subject_code'] :  
    addslashes($HTTP_POST_VARS['subject_code']);  
}  
if (isset($HTTP_SESSION_VARS['username'])) {  
    $student_id = (get_magic_quotes_gpc()) ? $HTTP_SESSION_VARS['username'] :  
    addslashes($HTTP_SESSION_VARS['username']);  
}  
  
$insertSQL = sprintf("INSERT INTO subject_taken VALUES ('$student_id', '$subject_code')");  
mysql_select_db($database_AMSConnection, $AMSConnection);  
$Result1 = mysql_query($insertSQL, $AMSConnection) or die(mysql_error());  
if (!$Result1)  
{  
    header('Location:student_registersubject.php');  
}  
?>
```

Process studentinfo.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>  
<?php  
$id = "";  
$name = "";  
$program = "";  
$gender = "";  
$hosteladdress = "";  
$emailaddress = "";  
$contactno = "";  
$sponsorship = "";  
$country = "";  
if (isset($HTTP_POST_VARS['id'])) {  
    $id = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['id'] : addslashes($HTTP_POST_VARS['id']);  
}  
if (isset($HTTP_POST_VARS['Name'])) {  
    $name = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['Name'] : addslashes($HTTP_POST_VARS['Name']);  
}  
if (isset($HTTP_POST_VARS['Program'])) {  
    $program = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['Program'] : addslashes($HTTP_POST_VARS['Program']);  
}  
if (isset($HTTP_POST_VARS['Gender'])) {  
    $gender = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['Gender'] : addslashes($HTTP_POST_VARS['Gender']);  
}  
if (isset($HTTP_POST_VARS['HostelAddress'])) {  
    $hosteladdress = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['HostelAddress'] :  
    addslashes($HTTP_POST_VARS['HostelAddress']);  
}  
if (isset($HTTP_POST_VARS['EmailAddress'])) {  
    $emailaddress = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['EmailAddress'] :  
    addslashes($HTTP_POST_VARS['EmailAddress']);  
}  
if (isset($HTTP_POST_VARS['ContactNo'])) {  
    $contactno = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['ContactNo'] : addslashes($HTTP_POST_VARS['ContactNo']);  
}  
if (isset($HTTP_POST_VARS['Sponsorship'])) {
```

```
$sponsorship = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['Sponsorship'] :  
addslashes($HTTP_POST_VARS['Sponsorship']);  
}  
if (isset($HTTP_POST_VARS['Country'])) {  
$country = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['Country'] : addslashes($HTTP_POST_VARS['Country']);  
}  
  
$insertSQL = sprintf("CALL  
update_student('$name', '$id', '$program', '$gender', '$hosteladdress', '$emailaddress', '$contactno', '$sponsorship', '$country')");  
mysql_select_db($database_AMSConnection, $AMSConnection);  
$Result1 = mysql_query($insertSQL, $AMSConnection) or die(mysql_error());  
if (!$Result1)  
{  
    $HTTP_SESSION_VARS['name'] = $name;  
    header('Location:student_viewinfo.php');  
}  
?>
```

Process_updatepriority.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>  
<?php  
$tutorialid = "";  
$priority = "";  
if (isset($HTTP_POST_VARS['tutorialid'])) {  
    $tutorialid = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['tutorialid'] : addslashes($HTTP_POST_VARS['tutorialid']);  
}  
if (isset($HTTP_POST_VARS['priority'])) {  
    $priority = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['priority'] : addslashes($HTTP_POST_VARS['priority']);  
}  
  
$updateSQL = sprintf("UPDATE tutorial SET tt_priority=$priority WHERE tt_ID=$tutorialid");  
mysql_select_db($database_AMSConnection, $AMSConnection);  
$Result1 = mysql_query($updateSQL, $AMSConnection) or die($updateSQL);  
if (!$Result1)  
{  
    header('Location:createTutorial.php');  
}  
?>
```

Process_updatesubject.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>  
<?php  
$subjectcode = "";  
$subjectname = "";  
$subjectdescription = "";  
$subjectnosession = "";  
  
if (isset($HTTP_POST_VARS['subject_code'])) {  
    $subjectcode = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['subject_code'] :  
    addslashes($HTTP_POST_VARS['subject_code']);  
}  
if (isset($HTTP_POST_VARS['subject_name'])) {  
    $subjectname = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['subject_name'] :  
    addslashes($HTTP_POST_VARS['subject_name']);  
}  
if (isset($HTTP_POST_VARS['subject_description'])) {  
    $subjectdescription = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['subject_description'] :  
    addslashes($HTTP_POST_VARS['subject_description']);  
}  
if (isset($HTTP_POST_VARS['subject_nosession'])) {  
    $subjectnosession = (get_magic_quotes_gpc()) ? $HTTP_POST_VARS['subject_nosession'] :  
    addslashes($HTTP_POST_VARS['subject_nosession']);  
}  
  
$updateSQL = sprintf("UPDATE subject SET sb_ID='$subjectcode', sb_name='$subjectname', sb_description='$subjectdescription',  
sb_nosession='$subjectnosession' WHERE sb_ID='$subjectcode'");
```

```
mysql_select_db($database_AMSConnection, $AMSConnection);
$Result1 = mysql_query($updateSQL, $AMSConnection) or die(mysql_error());
if($Result1)
{
    header('Location:createSubject.php');
}
?>
```

Removesubject.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
if($HTTP_GET_VARS['subjectcode'] != NULL)
{
    $query_DeleteUser = "DELETE FROM `subject_taken` WHERE st_ID=$HTTP_SESSION_VARS[username] AND
sb_ID=$HTTP_GET_VARS[subjectcode]";
    echo $query_DeleteUser;
    $DeleteQuery = mysql_query($query_DeleteUser, $AMSConnection) or die(mysql_error());
    if($DeleteQuery)
    {
        echo "Kat sini";
        header('Location:student_registersubject.php');
    }
    else
    { echo "sini lak"; }
}
else
{ header('Location:student_registersubject.php'); }

mysql_free_result($DeleteQuery);
?>
```

Startsession.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$sessionid = "";
$action = "";
if(isset($HTTP_GET_VARS['sessionid']))
{
    $sessionid = (get_magic_quotes_gpc()) ? $HTTP_GET_VARS['sessionid'] : addslashes($HTTP_GET_VARS['sessionid']);
}
if(isset($HTTP_GET_VARS['action']))
{
    $action = (get_magic_quotes_gpc()) ? $HTTP_GET_VARS['action'] : addslashes($HTTP_GET_VARS['action']);
}

$updateSQL = sprintf("UPDATE session SET ss_status='OPENED' WHERE ss_ID=$sessionid");
if($action=="stop")
{
    $updateSQL = sprintf("UPDATE session SET ss_status='CLOSED' WHERE ss_ID=$sessionid");
}
mysql_select_db($database_AMSConnection, $AMSConnection);
$Result1 = mysql_query($updateSQL, $AMSConnection) or die(mysql_error());
if($Result1)
{
    if($action=="start")
    {
        header('Location:lecturer.php?sessioncode='.$sessionid);
    }
    else
    {
        header('Location:lecturer.php');
    }
}
?>
```

Student.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewSubject = "SELECT s.sb_ID, s.sb_name FROM subject s, subject_taken st WHERE st.sb_ID=s.sb_ID";
$RS_ViewSubject = mysql_query($query_RS_ViewSubject, $AMSConnection) or die(mysql_error());
$row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);
$totalRows_RS_ViewSubject = mysql_num_rows($RS_ViewSubject);

$colname_RS_ViewTutorial = "1";
if(isset($_HTTP_GET_VARS['subjectcode'])) {
    $colname_RS_ViewTutorial = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['subjectcode'] :
    addslashes($_HTTP_GET_VARS['subjectcode']);
}
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewTutorial = sprintf("SELECT tt_ID, tt_name FROM tutorial WHERE sb_ID = '%s' ORDER BY tt_priority ASC",
$colname_RS_ViewTutorial);
$RS_ViewTutorial = mysql_query($query_RS_ViewTutorial, $AMSConnection) or die(mysql_error());
$row_RS_ViewTutorial = mysql_fetch_assoc($RS_ViewTutorial);
$totalRows_RS_ViewTutorial = mysql_num_rows($RS_ViewTutorial);

$colname_RS_ViewSession = "1";
if(isset($_HTTP_GET_VARS['tutorialcode'])) {
    $colname_RS_ViewSession = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['tutorialcode'] :
    addslashes($_HTTP_GET_VARS['tutorialcode']);
}
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewSession = sprintf("SELECT ss_ID, ss_no FROM `session` WHERE tt_ID = %s AND ss_status='OPENED' ORDER
BY ss_no ASC", $colname_RS_ViewSession);
$RS_ViewSession = mysql_query($query_RS_ViewSession, $AMSConnection) or die(mysql_error());
$row_RS_ViewSession = mysql_fetch_assoc($RS_ViewSession);
$totalRows_RS_ViewSession = mysql_num_rows($RS_ViewSession);
$msg = "";
if($totalRows_RS_ViewSession < 1 && $colname_RS_ViewSession != "1")
{ $msg = "Sorry!!! No active session for this tutorial"; }
?>
<?php
if($usertype != "Student")
{ header('Location:index.php'); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Student Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>
```

```
<script language="JavaScript">
<!--

*****FIELD VALIDATION*****
*****-->

function formCheck(formobj){
    // Enter name of mandatory fields
    var fieldRequired = Array("name","sid", "program",
    "gender","hostelAdd","emailAdd","contactNo","sponsorship","country");
    // Enter field description to appear in the dialog box
    var fieldDescription = Array("name","sid", "program",
    "gender","hostelAdd","emailAdd","contactNo","sponsorship","country");
    // dialog message
    var alertMsg = "Null or Invalid input :\n";

    var l_Msg = alertMsg.length;

    for (var i = 0; i < fieldRequired.length; i++){
        var obj = formobj.elements[fieldRequired[i]];
        if (obj){
            switch(obj.type){
                case "select-one":
                    if (obj.selectedIndex == -1 || obj.options[obj.selectedIndex].text == ""){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "select-multiple":
                    if (obj.selectedIndex == -1){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;
                case "text":
                case "textarea":
                case "password":
                    if (obj.value == "" || obj.value == null){
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;

                case "integer":
                    if (obj.value == null || obj.value/1!= obj.value)
                    {
                        alertMsg += " - " + fieldDescription[i] + "\n";
                    }
                    break;

                default:
            }
            if (obj.type == undefined){
                var blnchecked = false;
                for (var j = 0; j < obj.length; j++){
                    if (obj[j].checked){
                        blnchecked = true;
                    }
                }
                if (!blnchecked){
                    alertMsg += " - " + fieldDescription[i] + "\n";
                }
            }
        }
    }

    if (alertMsg.length == l_Msg){
        return true;
    }else{

```

```
        alert(alertMsg);
        return false;
    }

}

function getUrlVars()
{
    var vars = [], hash;
    var hashes = window.location.href.slice(window.location.href.indexOf('?') + 1).split('&');
    for(var i = 0; i < hashes.length; i++)
    {
        hash = hashes[i].split('=');
        vars.push(hash[0]);
        vars[hash[0]] = hash[1];
    }
    return vars;
}

function MM_MenuSubject(targ,selObj){ //v3.0
eval(targ+".location='student.php?subjectcode='"+selObj.options[selObj.selectedIndex].value+"'");
}

function MM_MenuTutorial(targ,selObj){ //v3.0
var hash = getUrlVars();

eval(targ+".location='student.php?subjectcode='"+hash['subjectcode']."'&tutorialcode='"+selObj.options[selObj.selectedIndex].value+"'");
}

function MM_MenuSession(targ,selObj){ //v3.0
var hash = getUrlVars();

eval(targ+".location='student.php?subjectcode='"+hash['subjectcode']."'&tutorialcode='"+hash['tutorialcode']."'&sessioncode='"+selObj.options[selObj.selectedIndex].value+"');
}
// -->
</script>
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>ID : <?php echo $username; ?></p>
                <p>&nbsp;</p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span><br />
                Student Welcome Page<br />
            </h1>
            <p></p>
        </div>
        <div class="leftmenu">
            <div class="nav">
                <ul>
                    <li><a href="student.php">Home</a></li>
                    <li>Profile
                        <ul>
                            <li><a href="student_viewinfo.php">View Profile</a></li>
                            <li><a href="student_updateinfo.php">Edit Profile</a></li>
                        </ul>
                    </li>
                </ul>
            </div>
        </div>
    </div>
</div>
```

```

        </ul>
    </li>
    <i>Subject
    <ul>
        <li><a href="student_registersubject.php">Register Subject</a></li>
    </ul>
    </li>
    <i>Attendance Details
    <ul>
        <li><a href="my_attendance.php">My Attendance</a></li>
    </ul>
    </li>
    <li><a href="logout.php">Logout</a></li>
    </ul>
</div>
<div class="padding">
    <h2>&ampnbsp</h2>
</div>
</div>
</div>

<blockquote>
<p class="style9"> Session Activation / Deactivation : </p>
<table width="551" border="0" cellpadding="1">
<tr>
    <td width="161" height="25">Subject : </td>
    <td width="380" valign="top"><select name="subjectcode" onChange="MM_MenuSubject('parent',this)">
        <option></option>
        <?php
            do {
                $selected = "";
                if($row_RS_ViewSubject['sb_ID'] == $HTTP_GET_VARS['subjectcode'])
                    { $selected = "Selected"; }
            ?>
        <option value=<?php echo $row_RS_ViewSubject['sb_ID']?><?php echo $selected; ?>><?php echo
        $row_RS_ViewSubject['sb_name']?></option>
        <?php
            } while ($row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject));
            $rows = mysql_num_rows($RS_ViewSubject);
            if($rows > 0) {
                mysql_data_seek($RS_ViewSubject, 0);
                $row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);
            }
        ?>
    </select></td>
</tr>
<tr>
    <td height="24">Tutorial : </td>
    <td height="24" valign="top"><select name="tutorialcode" id="tutorialcode"
onChange="MM_MenuTutorial('parent',this)">
        <option></option>
        <?php
            do {
                $selected = "";
                if($row_RS_ViewTutorial['tt_ID'] == $HTTP_GET_VARS['tutorialcode'])
                    { $selected = "Selected"; }
            ?>
        <option value=<?php echo $row_RS_ViewTutorial['tt_ID']?><?php echo $selected; ?>><?php echo
        $row_RS_ViewTutorial['tt_name']?></option>
        <?php
            } while ($row_RS_ViewTutorial = mysql_fetch_assoc($RS_ViewTutorial));
            $rows = mysql_num_rows($RS_ViewTutorial);
            if($rows > 0) {
                mysql_data_seek($RS_ViewTutorial, 0);
                $row_RS_ViewTutorial = mysql_fetch_assoc($RS_ViewTutorial);
            }
        ?>
    </select></td>
</tr>

```

```

<tr>
  <td height="25">Session : </td>
  <td height="25" valign="top"><select name="sessioncode" id="sessioncode"
onChange="MM_MenuSession('parent',this)">
    <option></option>
    <?php
      do {
        $selected = "";
        if($row_RS_ViewSession['ss_ID'] == $HTTP_GET_VARS['sessioncode'])
          { $selected = "Selected"; }
      ?>
    <option value=<?php echo $row_RS_ViewSession['ss_ID']?>> <?php echo $selected; ?>><?php echo
$row_RS_ViewSession['ss_no']?></option>
    <?php
      } while ($row_RS_ViewSession = mysql_fetch_assoc($RS_ViewSession));
      $rows = mysql_num_rows($RS_ViewSession);
      if($rows > 0) {
        mysql_data_seek($RS_ViewSession, 0);
        $row_RS_ViewSession = mysql_fetch_assoc($RS_ViewSession);
      }
    ?>
  </select>&nbsp;<font color="red"><?php echo $msg; ?></font></td>
</tr>
  <?php
    if(isset($HTTP_GET_VARS['sessioncode']) && isset($HTTP_GET_VARS['tutorialcode']))
    {
      $startLink =
"attendsession.php?sessionid=".$HTTP_GET_VARS['sessioncode']."&tutorialid=".$HTTP_GET_VARS['tutorialcode']."&subjectid="
.$HTTP_GET_VARS['subjectcode']."&action=start";
      $stopLink =
"attendsession.php?sessionid=".$HTTP_GET_VARS['sessioncode']."&tutorialid=".$HTTP_GET_VARS['tutorialcode']."&subjectid="
.$HTTP_GET_VARS['subjectcode']."&action=stop";
    ?>
  <tr>
    <td>&nbsp;</td>
    <td></td>
  </tr>
  <tr>
    <td><p class="style9">Session Details : </p></td>
  </tr>
  <tr>
    <td colspan="2">
      <?php
        $query_RS_Session = "SELECT s.ss_no, s.ss_status, t.tt_name, l.lc_name, sb.sb_name FROM
session s, tutorial t, lecturer l, subject sb WHERE s.ss_ID=$HTTP_GET_VARS['sessioncode']""";
        $query_RS_Session .= " AND s.tt_ID=t.tt_ID AND t.lc_ID=l.lc_ID AND t.sb_ID=sb.sb_ID";
        $RS_Session = mysql_query($query_RS_Session, $AMSConnection) or die(mysql_error());
        $rows_RS_Session = mysql_fetch_array($RS_Session);
        $totalRows_RS_Session = mysql_num_rows($RS_Session);
      ?>
      <table width="500" border="0" cellpadding="1">
        <tr>
          <td width="160" height="25">Lecturer Name : </td>
          <td width="340" height="25" valign="top"><?php echo
$rows_RS_Session['lc_name']; ?></td>
        </tr>
        <tr>
          <td height="25">Subject : </td>
          <td height="25" valign="top"><?php echo $rows_RS_Session['sb_name']; ?></td>
        </tr>
        <tr>
          <td height="25">Tutorial Session : </td>
          <td height="25" valign="top"><?php echo $rows_RS_Session['tt_name']. -
$rows_RS_Session['ss_no']; ?></td>
        </tr>
        <tr>
          <td height="25"></td>
          <td width="340" height="25" valign="top">
            <?php

```

```
if($_GET[start] == null)
{
?>
<input type="button" name="Start" value="Start"
onClick="document.location.href='<?php echo $startLink; ?>'"/>
<?php
}
else
{
?>
<input type="button" name="Stop" value="Finish"
onClick="document.location.href='<?php echo $stopLink; ?>'" /></td>
<?php
}
?>
<tr>
</table>
</td>
</tr>
<?php
}
?>
<tr>
<td>&nbsp;</td>
</tr>
</table>
<p><br />
</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |<a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
```

Student attendance.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
mysql_select_db($database_AMSConnection, $AMSConnection);
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Lecturer Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
```

```
</head>

<body>
    <table width="551" border="0" cellpadding="1">
        <?php
            if($_GET[subjectcode]!=NULL)
            {
            ?>
        <tr>
            <td height="30" colspan="2" valign="top"><strong>Attendance Details </strong></td>
        </tr>
        <?php
            $query_RS_SubjectInfo = "SELECT s.sb_name, s.sb_description, ss.st_name FROM subject s, student ss,
subject_taken st WHERE s.sb_ID=$_GET[subjectcode] AND s.sb_ID=st.sb_ID AND st.st_ID=ss.st_ID";
            $RS_SubjectInfo = mysql_query($query_RS_SubjectInfo, $AMSConnection) or die(mysql_error());
            $row_RS_SubjectInfo = mysql_fetch_array($RS_SubjectInfo);
            ?>
        <tr>
            <td>Student Name : </td>
            <td><?php echo $row_RS_SubjectInfo['st_name']; ?></td>
        </tr>
        <tr>
            <td>Subject Name : </td>
            <td><?php echo $row_RS_SubjectInfo['sb_name']; ?></td>
        </tr>
        <tr>
            <td>Description : </td>
            <td><?php echo $row_RS_SubjectInfo['sb_description']; ?></td>
        </tr>
        <tr>
            <td colspan="2">&nbsp;</td>
        </tr>
        <tr>
            <td height="24" colspan="2">
                <table width="541" border="0">
                    <tr>
                        <td width="100" class="boxads" rowspan="2">&nbsp;</td>
                        <?php
                            $query_RS_Session = "SELECT sb_nosession FROM subject WHERE
sb_ID=$_GET[subjectcode]";
                            $RS_Session = mysql_query($query_RS_Session, $AMSConnection) or die(mysql_error());
                            $row_RS_Session = mysql_fetch_assoc($RS_Session);
                            $width = 440/$row_RS_Session['sb_nosession'];
                            for($i=1;$i<=$row_RS_Session['sb_nosession'],$i++)
                            {
                            ?>
                            <td colspan="2" width="<?php echo $width; ?>" class="boxads" align="center">SESSION <?php
echo $i; ?></td>
                            <?php
                            }
                            ?>
                        </tr>
                        <tr>
                            <?php
                                for($i=1;$i<=$row_RS_Session['sb_nosession'],$i++)
                                {
                                ?>
                                <td class="boxads" align="center">Status</td>
                                <td class="boxads" align="center">Time In</td>
                                <?php
                                }
                                ?>
                            </tr>
                            <?php
                                $query_RS_Tutorial = "SELECT tt_name, tt_ID FROM tutorial WHERE
sb_ID=$_GET[subjectcode] ORDER BY tt_priority";
                                $RS_Tutorial = mysql_query($query_RS_Tutorial, $AMSConnection) or die(mysql_error());
                                while($row_RS_Tutorial = mysql_fetch_assoc($RS_Tutorial))
                                {

```

```

$tt_ID = $row_RS_Tutorial['tt_ID'];
?>
<tr>
<td valign="middle" height="30"><?php echo $row_RS_Tutorial['tt_name']; ?></td>
<?php
    for($i=1;$i<=$row_RS_Session['sb_nosession'];$i++)
    {
        $query_RS_Attend = "SELECT a.at_status,a.at_timein FROM attendance a
WHERE a.tt_id='$tt_ID' AND a.ss_no=$i AND a.st_ID=$_GET[studentid] LIMIT 1";
        $RS_Attend = mysql_query($query_RS_Attend, $AMSConnection) or
die(mysql_error());
        $total_RS_Attend = mysql_num_rows($RS_Attend);
        if($total_RS_Attend < 0)
        {
            echo "<td valign=\"middle\" align=\"center\"></td><td
valign=\"middle\" align=\"center\"></td>";
        }
        else
        {
            while($row_RS_Attend = mysql_fetch_array($RS_Attend))
            {
                $attend = $row_RS_Attend['at_status'];
            }
        }
    }
?>
<td valign="middle" align="center"><?php if($attend=="Attend") { echo "<img src=\"images/ACCEPT.gif\" />"; } ?></td>
<td valign="middle" align="center"><?php echo $row_RS_Attend['at_timein']; ?></td>
<?php
}
?>
</table>
</td>
</tr>
</table>
</body>
</html>
<?php
mysql_free_result($RS_Attend);
?>
```

Student_registersubject.php

```

<?php session_start();require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$userstype = $_SESSION['userstype'];
?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_Subject = "SELECT sb_ID, sb_name FROM subject";
$RS_Subject = mysql_query($query_RS_Subject, $AMSConnection) or die(mysql_error());
$row_RS_Subject = mysql_fetch_assoc($RS_Subject);
$totalRows_RS_Subject = mysql_num_rows($RS_Subject);
?>
<?php
if($userstype != "Student")
{ header('Location:index.php'); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Student Page</title>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>
<script language="JavaScript">
<!--
*****  

FIELD VALIDATION  

*****/
```

function formCheck(formobj){

 // Enter name of mandatory fields

 var fieldRequired = Array("name", "id", "Program",

"Gender", "HostelAddress", "EmailAddress", "ContactNo", "Sponsorship", "Country");

 // Enter field description to appear in the dialog box

 var fieldDescription = Array("name", "sid", "program",

"gender", "hostelAdd", "emailAdd", "contactNo", "sponsorship", "country");

 // dialog message

 var alertMsg = "Null or Invalid input \n";

 var l_Msg = alertMsg.length;

 for (var i = 0; i < fieldRequired.length; i++){

 var obj = formobj.elements[fieldRequired[i]];

 if(obj){

 switch(obj.type){

 case "select-one":

 if (obj.selectedIndex == -1 || obj.options[obj.selectedIndex].text == ""){

 alertMsg += " ~ " + fieldDescription[i] + "\n";

 }

 break;

 case "select-multiple":

 if (obj.selectedIndex == -1){

 alertMsg += " ~ " + fieldDescription[i] + "\n";

 }

 break;

 case "text":

 case "textarea":

 case "password":

 if (obj.value == "" || obj.value == null){

 alertMsg += " ~ " + fieldDescription[i] + "\n";

 }

 break;

 case "integer":

 if (obj.value == null || obj.value/1 != obj.value)

 {

 alertMsg += " ~ " + fieldDescription[i] + "\n";

 }

 break;

 default:

 }

 if (obj.type == undefined){

```
var blnchecked = false;
for (var j = 0; j < obj.length; j++){
    if (obj[j].checked){
        blnchecked = true;
    }
}
if (!blnchecked){
    alertMsg += " - " + fieldDescription[j] + "\n";
}
}

if (alertMsg.length == l_Msg){
    return true;
} else {
    alert(alertMsg);
    return false;
}
}
//-->
</script>
```

```
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>User ID : <?php echo $username; ?></p>
                <p>&nbsp; </p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span><br />
                Subject Registration<br />
            </h1>
            <p></p>
        </div>
        <div class="leftmenu">
            <div class="nav">
                <ul>
                    <li><a href="student.php">Home</a></li>
                    <li>Profile
                        <ul>
                            <li><a href="student_viewinfo.php">View Profile</a></li>
                            <li><a href="student_updateinfo.php">Edit Profile</a></li>
                        </ul>
                    </li>
                    <li>Subject
                </ul>
            </div>
        </div>
    </div>
</div>
```

```

        <ul>
            <li><a href="student_registersubject.php">Register Subject</a></li>
        </ul>
        </li>
        <li>Attendance Details
            <ul>
                <li><a href="my_attendance.php">My Attendance</a></li>
            </ul>
            </li>
            <li><a href="logout.php">Logout</a></li>
        </ul>
    </div>
    <div class="padding">
        <h2>&ampnbsp</h2>
    </div>
</div>
</div>

<blockquote>
<p>&ampnbsp</p>

<form name="form1" id="form1" onSubmit="return formCheck(this); " method="post" action="process_registersubject.php">
<table width="551" border="0" cellpadding="1">
<tr>
    <td width="105" height="24">Subject : </td>
    <td width="436" valign="top"><select name="subject_code">
    <?php
        do {
            ?>
            <option value="<?php echo $row_RS_Subject['sb_ID']?>><?php echo $row_RS_Subject['sb_name']?>></option>
        <?php
    } while ($row_RS_Subject = mysql_fetch_assoc($RS_Subject));
    $rows = mysql_num_rows($RS_Subject);
    if($rows > 0) {
        mysql_data_seek($RS_Subject, 0);
        $row_RS_Subject = mysql_fetch_assoc($RS_Subject);
    }
    ?>
    </select>
    </td>
</tr>
<tr>
    <td height="24"></td>
    <td valign="top"><input type="submit" name="Submit" value="Register"></td>
</tr>
</table>
</form>
<p>&ampnbsp</p>
<p><hr></p>
<table width="541" border="0">
<tr>
    <td width="74" class="boxads">SUBJECT ID</td>
    <td width="150" class="boxads">SUBJECT NAME</td>
    <td width="246" class="boxads">DESCRIPTION</td>
    <td width="30" class="boxads">REMOVE</td>
</tr>
    <?php
        $query_SelectSubject = "SELECT distinct(st.sb_ID), sb.sb_name, sb.sb_description FROM
subject_taken st, subject sb WHERE st.st_ID=$HTTP_SESSION_VARS[username] AND st.sb_ID=sb.sb_ID";
        $RS_SelectSubject = mysql_query($query_SelectSubject, $AMSSConnection);
        while($rows_RS_SelectSubject = mysql_fetch_array($RS_SelectSubject))
        {
            $deleteLink = "removesubject.php?subjectcode=". $rows_RS_SelectSubject['sb_ID'];
            ?>
            <tr>
                <td valign="top"><?php echo $rows_RS_SelectSubject['sb_ID']; ?></td>
                <td valign="top"><?php echo $rows_RS_SelectSubject['sb_name']; ?></td>
                <td valign="top"><?php echo $rows_RS_SelectSubject['sb_description']; ?></td>
                <td>

```

```
<td valign="top"><div align="center"><a href=<?php echo $deleteLink; ?>></a></div></td>
</tr>
<?php
}
?>
</table>
<p><br /></p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>
```

```
</body>
</html>
<?php
mysql_free_result($RS_Subject);
?>
```

Student_updateinfo.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$userType = $_SESSION['userType'];
?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_StudentInfo = sprintf("SELECT * FROM student WHERE st_ID = %s", $username);
$RS_StudentInfo = mysql_query($query_RS_StudentInfo, $AMSConnection) or die(mysql_error());
$row_RS_StudentInfo = mysql_fetch_assoc($RS_StudentInfo);
$totalRows_RS_StudentInfo = mysql_num_rows($RS_StudentInfo);
?>

<?php
if($userType != "Student")
{ header('Location:index.php'); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Student Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>

<script language="JavaScript">
<!--
```

```
*****  
FIELD VALIDATION  
*****  
  
function formCheck(formobj){  
    // Enter name of mandatory fields  
    var fieldRequired = Array("id","Name");  
    // Enter field description to appear in the dialog box  
    var fieldDescription = Array("Student ID","Name");  
    // dialog message  
    var alertMsg = "Null or Invalid input \n";  
  
    var l_Msg = alertMsg.length;  
  
    for (var i = 0; i < fieldRequired.length; i++){  
        var obj = formobj.elements[fieldRequired[i]];  
        if (obj){  
            switch(obj.type){  
                case "select-one":  
                    if (obj.selectedIndex == -1 || obj.options[obj.selectedIndex].text == ""){  
                        alertMsg += " - " + fieldDescription[i] + "\n";  
                    }  
                    break;  
                case "select-multiple":  
                    if (obj.selectedIndex == -1){  
                        alertMsg += " - " + fieldDescription[i] + "\n";  
                    }  
                    break;  
                case "text":  
                case "textarea":  
                case "password":  
                    if (obj.value == "" || obj.value == null){  
                        alertMsg += " - " + fieldDescription[i] + "\n";  
                    }  
                    break;  
  
                case "integer":  
                    if (obj.value == null || obj.value/1!= obj.value)  
                    {  
                        alertMsg += " - " + fieldDescription[i] + "\n";  
                    }  
                    break;  
  
                default:  
            }  
            if (obj.type == undefined){  
                var blnchecked = false;  
                for (var j = 0; j < obj.length; j++){  
                    if (obj[j].checked){  
                        blnchecked = true;  
                    }  
                }  
                if (!blnchecked){  
                    alertMsg += " - " + fieldDescription[i] + "\n";  
                }  
            }  
        }  
    }  
  
    if (alertMsg.length == l_Msg){  
        return true;  
    }else{  
        alert(alertMsg);  
        return false;  
    }  
}  
//-->  
</script>
```

```
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>User ID : <?php echo $username; ?></p>
                <p>&nbsp; </p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span><br />
                Update Student Information<br />
            </h1>
            <p></p>
        </div>
        <div class="leftmenu">
            <div class="nav">
                <ul>
                    <li><a href="student.php">Home</a></li>
                    <li>Profile
                        <ul>
                            <li><a href="student_viewinfo.php">View Profile</a></li>
                            <li><a href="student_updateinfo.php">Edit Profile</a></li>
                        </ul>
                    </li>
                    <li>Subject
                        <ul>
                            <li><a href="student_registersubject.php">Register Subject</a></li>
                        </ul>
                    </li>
                    <li>Attendance Details
                        <ul>
                            <li><a href="my_attendance.php">My Attendance</a></li>
                        </ul>
                    </li>
                    <li><a href="logout.php">Logout</a></li>
                </ul>
            </div>
            <div class="padding">
                <h2>&nbsp; </h2>
            </div>
        </div>
    </div>
</div>
<blockquote>
    <p>&nbsp;</p>
    <form name="student_information" id="stud_info" onsubmit="return formCheck(this);"
        method="post"
        action="process_studentinfo.php">
```

```
<table width="551" border="0" cellpadding="1">
<tr>
<td width="105" height="24">Student ID No : </td>
<td width="436" valign="top"><input name="id" type="integer" id="id" value=<?php echo
$row_RS_StudentInfo['st_ID']; ?>" size="6" maxlength="5" readonly=true /></td>
</tr>
<tr>
<td height="25">Name : </td>
<td width="436" valign="top"><input name="Name" type="text" id="Name" value=<?php echo
$row_RS_StudentInfo['st_name']; ?>" size="30" maxlength="50" />
</td>
</tr>
<tr>
<td height="25">Program : </td>
<td width="436" valign="top"><input name="Program" type="text" value=<?php echo
$row_RS_StudentInfo['st_program']; ?>" size="30" maxlength="100" /></td>
</tr>
<tr>
<td height="24">Gender : </td>
<td width="436" valign="top"><input name="Gender" type="radio" value="Male" <?php
if($row_RS_StudentInfo['st_gender'] == "Male") { echo "checked"; } ?>/>Male
<input name="Gender" type="radio"
value="Female" <?php if($row_RS_StudentInfo['st_gender'] == "Female") { echo "checked"; } ?>/>Female</td>
</tr>
<tr>
<td height="27">Hostel Address : </td>
<td width="436" valign="top"><input name="HostelAddress" type="text" size="30" value=<?php echo
$row_RS_StudentInfo['st_hostel_address']; ?>" maxlength="20" /></td>
</tr>
<tr>
<td height="25">Email Address: </td>
<td width="436" valign="top"><input name="EmailAddress" type="text" size="30" value=<?php echo
$row_RS_StudentInfo['st_email_address']; ?>" maxlength="20" /></td>
</tr>
<tr>
<td height="22">Contact No: </td>
<td width="436" valign="top"><input name="ContactNo" type="text" value=<?php echo
$row_RS_StudentInfo['st_contact_no']; ?>" maxlength="12" /></td>
</tr>
<tr>
<td height="27"><p>Sponsorship :</p></td>
<td width="436" valign="top"><input name="Sponsorship" type="text" value=<?php echo
$row_RS_StudentInfo['st_sponsorship']; ?>" maxlength="15" /></td>
</tr>
<tr>
<td height="25">Country : </td>
<td width="436" valign="top"><input name="Country" type="text" value=<?php echo
$row_RS_StudentInfo['st_country']; ?>" maxlength="20" /></td>
</tr>
<tr>
<td>&nbsp;</td>
<td width="436" valign="top"><input type="submit" name="Submit" value="Update" /></td>
</tr>
</table>
</form>
<p><br />
</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas | 
<a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
<?php
```

```
mysql_free_result($RS_StudentInfo);
?>
```

Student viewinfo.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
?>
<?php
if($usertype != "Student")
{ header('Location:index.php'); }
?>
<?php
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RSViewUserInfo = sprintf("SELECT * FROM student WHERE st_ID = %s", $username);
$RSViewUserInfo = mysql_query($query_RSViewUserInfo, $AMSConnection) or die(mysql_error());
$row_RSViewUserInfo = mysql_fetch_assoc($RSViewUserInfo);
$totalRows_RSViewUserInfo = mysql_num_rows($RSViewUserInfo);
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Student Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="imagetoolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style4 {font-size: small}
.style6 {font-size: 12px}
-->
</style>
</head>

<body>
<div class="content">
    <div id="toph"></div>
    <div id="header">
        <div class="rside">
            <div class="citation">
                </div>
        </div>
        <div class="lside">
            <div class="title">
                <p>Welcome <?php echo $name; ?></p>
                <p>User ID : <?php echo $username; ?></p>
                <p>&nbsp; </p>
            </div>
        </div>
    </div>
    <div id="main">
        <div class="center">
            <h1 align="left"><span class="citation style4"></span><br />
                View Student Information<br />
            </h1>
            <p></p>
        </div>
    </div>
</div>
```

```
<div class="leftmenu">
    <div class="nav">
        <ul>
            <li><a href="student.php">Home</a></li>
            <li>Profile
                <ul>
                    <li><a href="student_viewinfo.php">View Profile</a></li>
                    <li><a href="student_updateinfo.php">Edit Profile</a></li>
                </ul>
            </li>
            <li>Subject
                <ul>
                    <li><a href="student_registersubject.php">Register Subject</a></li>
                </ul>
            </li>
            <li>Attendance Details
                <ul>
                    <li><a href="my_attendance.php">My Attendance</a></li>
                </ul>
            </li>
            <li><a href="logout.php">Logout</a></li>
        </ul>
    </div>
    <div class="padding">
        <h2>&nbsp;</h2>
    </div>
</div>
</div>

<blockquote>
<p>&nbsp;</p>
<table width="551" border="0" cellpadding="1">
<tr>
    <td width="105" height="24">Name : </td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_name']; ?></td>
</tr>
<tr>
    <td height="24">Student ID No : </td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_ID']; ?></td>
</tr>
<tr>
    <td height="24">Program : </td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_program']; ?></td>
</tr>
<tr>
    <td height="24">Gender : </td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_gender']; ?></td>
</tr>
<tr>
    <td height="24">Hostel Address : </td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_hostel_address']; ?></td>
</tr>
<tr>
    <td height="24">Email Address: </td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_email_address']; ?></td>
</tr>
<tr>
    <td height="24">Contact No: </td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_contact_no']; ?></td>
</tr>
<tr>
    <td height="24"><p>Sponsorship </p></td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_sponsorship']; ?></td>
</tr>
<tr>
    <td height="24">Country : </td>
    <td width="436" height="24" valign="top"><?php echo $row_RSViewUserInfo['st_country']; ?></td>
</tr>
<tr>
    <form name="form1" id="form1" method="post" action="student_updateinfo.php">
```

```
<tr>
<td>&nbsp;</td>
<td width="436" valign="top">
<input type="submit" name="Update" value="Update" /></td>
</tr>
</form>
</table>
<p><br />

</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
<?php
mysql_free_result($RSViewUserInfo);
?>
```

Style.css

```
/*
mailto : teddy_nana@yahoo.com
*/
body { margin:5px 0; padding:0; font: 74% Arial, Sans-Serif; color:#000; line-height: 1.4em;
background : #F0FOFO; }
.content { color: #505050; margin: 0 auto; padding: 0; width: 791px; background: #FFFFFF
url(bg.jpg) repeat-y center; }

#toph { background: #F0F0F0 url(top.jpg) no-repeat center top; height: 14px; margin: 0;
padding: 0; }
#header { color: #FFF; padding: 0 15px 0 15px; line-height: 1.0em; }
#header .rside { background: #125E81 url(header.jpg) no-repeat; color: #337493;
float: right; height: 129px; width: 587px; font-size: 90%; }
#header .citation { text-align: right; padding: 60px 25px 25px 6px; color: #f0f0f0; }
#header .lside { background: #FFB424; color: #FFF; height: 129px; width: 174px;
padding: 0; margin: 0; float: left; }
#header h2 { background-color: inherit; color: #FFF; letter-spacing: 1px; }
#header .title { text-align: center; padding-top: 30px; }

#main { margin: 0 20px 0 15px; }
#main h2 { background-color: inherit; color: #156184; line-height: 0.2em; }
#main h3 { font: 85% Arial, Sans-Serif; margin: 0 0 10px 0; padding: 0; color: #5f5f5f,
background: inherit; }
.center { background: #FFF; width: 550px !important; width: 535px; float: right; margin:
15px; }
.leftmenu { background: #FFF url(leftbg.jpg) repeat-x; width: 174px; float: left; padding:
0; margin: 0; }
.padding { padding: 15px; }

.img { background: #FFF; float: left; padding: 1px; margin: 5px 8px 5px 0; color: #333;
border: 1px solid #e0e0e0; }

/* FOOTER */
```

```
#footer { background: #FFF url(footer.jpg) no-repeat; color: #a0a0a0; height: 43px; text-align: center; font-size: 90%; clear: both; padding: 0px; margin: 0; }
#footer hr { width: 740px; color: #888; border: 1px solid #f0f0f0; margin: 0 25px 0 25px; }
#footer a { color: #999; background: #FFF; text-decoration:none; }
#footer a:hover { background: #FFF; text-decoration: underline; color: #444; }

/* NAVIGATION */
.nav { clear: both; text-align: left; color: #7D8085; padding: 20px 0 0 0; }
.nav li { font-weight: bold; margin: 0 0 8px 0; padding: 0 0 5px; border-bottom: 1px solid #ccc; }
.nav li a { color: #546078; text-decoration: none; }
.nav li a:hover { color: #F29900; text-decoration: none; }

.boxads { background: #E7EDF0; padding: 5px; border: 1px solid #999; color: #333; }

/* ADDITIONAL STYLES */

.style4 { font-size: small; }
.style6 { color: #00FFFF; }
.style8 {
    font-size: 20px;
    color: #FFFFFF;
}
.style9 {
    font-family: Arial, Helvetica, sans-serif;
    font-weight: bold;
}
.style10 { color: #FFFF00; }
.style11 { color: #FFFFFF; }

/*
-----*
-----*
```

p { margin: 0 0 5px 0; padding: 0; color: #555; background: inherit; }

hr { border: 0; height: 1px; color: #eee; background-color: #eee; }

a { color: #0F5B7F; background: inherit; text-decoration:none; }

a:hover { background: inherit; text-decoration: underline; }

h1 { padding:0; margin:0; color: #0F5B7F; background: inherit; font: bold 1.8em Arial, Sans-Serif; letter-spacing: -1px; }

h1 a { color: #0F5BFF; background: inherit; }

h2 { background-color: inherit; color:#0F5B7F; font-size:140%; font-weight:bold; margin: 10px 0 10px 0; padding:0; }

h2 a { color: #0F5B7F; }

h2 a:hover { color: #0F5BAF; text-decoration: none; }

ul { margin: 5px 0 20px 15px; padding : 0; list-style : none; }

li { list-style-type: none; color: #F29900; margin: 0 0 0px 0; padding: 0 0 0px; }

}

li a { color: #546078; }

li a:hover { color: #F29900; }

```
/*----- for news -----*/
fieldset { border: 1px solid #eee; }
textarea.text { height: 150px; width: 90%; border: 1px solid #ccc; background: #fff; color: #000; }
```

```
textarea.text:hover { border: 1px solid #eee; background: #FFFFFF4; color: #000; }
input.field { border: 1px solid #ccc; background-color: #3C3C3C; width: 100px; color: #000;

}

input.field:hover { border: 1px solid #eee; background: #ccc; color: #000; }
input.text { margin: 0; width: 110px; border: 1px solid #546078; background: #FFF; color: #000;
#808080; }

input.text:hover { border: 1px solid #3a4354; }
input.searchbutton { margin: 0; font-size: 100%; font-family: Arial, Sans-serif; border: none; background: #FFFFFF; color: #333; padding: 1px; font-weight: bold; }

.date { color: #505050; background: #FFF; text-align: right; margin: 4px 0 5px 0; padding: 0.4em 0 0 0; border-top: 1px solid #ddd; }
.date a { color: #546078; }
input.button { background: #FFFFFF4; color: #808080; border-right: 1px solid #ccc; border-bottom: 1px solid #ccc; }

.comments { padding: 10px 10px 8px 10px; margin: 0 0 7px 0; background: #FFF; color: #333; }

.commentsbox { padding: 8px 0 10px 10px; margin: 0 0 10px 0; background: #f4f4f4; color: #000; }

.error { color: #990000; background-color: #FFF0F0; padding: 7px; margin-top: 5px; margin-bottom: 10px; border: 1px dashed #990000; }

.error h2 { color: #990000; background: inherit; }

.success { color: #000000; background: #FAFAFA; padding: 7px; margin-top: 5px; margin-bottom: 5px; border: 1px dashed #546078; }

.success h2 { color: #546078; background: inherit; }
```

Updatesubject.php

```
<?php session_start(); require_once('Connections/AMSConnection.php'); ?>
<?php
$username = $_SESSION['username'];
$name = $_SESSION['name'];
$usertype = $_SESSION['usertype'];
?>
<?php
$maxRows_RS_ViewSubject = 10;
$pageNum_RS_ViewSubject = 0;
if(isset($_HTTP_GET_VARS['pageNum_RS_ViewSubject'])) {
    $pageNum_RS_ViewSubject = $_HTTP_GET_VARS['pageNum_RS_ViewSubject'];
}
$startRow_RS_ViewSubject = $pageNum_RS_ViewSubject * $maxRows_RS_ViewSubject;

$colname_RS_ViewSubject = "1";
if(isset($_HTTP_GET_VARS['subjectcode'])) {
    $colname_RS_ViewSubject = (get_magic_quotes_gpc()) ? $_HTTP_GET_VARS['subjectcode'] :
    addslashes($_HTTP_GET_VARS['subjectcode']);
}
mysql_select_db($database_AMSConnection, $AMSConnection);
$query_RS_ViewSubject = sprintf("SELECT * FROM subject WHERE sb_ID = '%s'", $colname_RS_ViewSubject);
$query_limit_RS_ViewSubject = sprintf("%s LIMIT %d, %d", $query_RS_ViewSubject, $startRow_RS_ViewSubject,
$maxRows_RS_ViewSubject);
$RS_ViewSubject = mysql_query($query_limit_RS_ViewSubject, $AMSConnection) or die(mysql_error());
$row_RS_ViewSubject = mysql_fetch_assoc($RS_ViewSubject);

if(isset($_HTTP_GET_VARS['totalRows_RS_ViewSubject'])) {
    $totalRows_RS_ViewSubject = $_HTTP_GET_VARS['totalRows_RS_ViewSubject'];
} else {
    $all_RS_ViewSubject = mysql_query($query_RS_ViewSubject);
    $totalRows_RS_ViewSubject = mysql_num_rows($all_RS_ViewSubject);
}
$totalPages_RS_ViewSubject = ceil($totalRows_RS_ViewSubject/$maxRows_RS_ViewSubject)-1;
```

```
?>

<?php
if($usertype != "Admin")
{
    header('Location:index.php');
}
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<title>AMS::Admin Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="Content-Language" content="en-us" />
<meta http-equiv="image toolbar" content="no" />
<meta name="MSSmartTagsPreventParsing" content="true" />
<meta name="description" content="LGBBlue Free Css Template" />
<style type="text/css" media="all">
@import "images/style.css";
</style>
<link rel="alternate" type="application/rss+xml" title="RSS 2.0" href="rss/" />
<link href="images/style.css" rel="stylesheet" type="text/css" />
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_reloadPage(init) { // reloads the window if Nav4 resized
  if (init==true) with (navigator) {if ((appName=="Netscape")&&(parseInt(appVersion)==4)) {
    document.MM_pgW=innerWidth; document.MM_pgH=innerHeight; onresize=MM_reloadPage; }}
  else if (innerWidth!=document.MM_pgW || innerHeight!=document.MM_pgH) location.reload();
}
MM_reloadPage(true);

function MM_jumpMenu(targ,selObj,restore){ //v3.0
  eval(targ+".location=admin.php?usertype="+selObj.options[selObj.selectedIndex].value+"");
  if (restore) selObj.selectedIndex=0;
}

function MM_findObj(n, d) { //v4.01
  var p,i,x; if(!d) d=document; if((p=n.indexOf("?"))>-1&&parent.frames.length) {
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
  if(!(x=d[n])&&d.all) x=d.all[n]; for (i=0;i<x&&i<d.forms.length;i++) x=d.forms[i][n];
  for(i=0;i<x&&d.layers&&i<d.layers.length;i++) x=MM_findObj(n,d.layers[i].document);
  if(x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_jumpMenuGo(selName,targ,restore){ //v3.0
  var selObj = MM_findObj(selName); if (selObj) MM_jumpMenu(targ,selObj,restore);
}
-->
</script>
<style type="text/css">
<!--
.style4 { font-size: small}
.style6 { font-size: 12px}
-->
</style>
</head>

<body>

<script language="JavaScript">
<!--
```

```
*****  
FIELD VALIDATION  
*****  
  
function formCheck(formobj){  
    // Enter name of mandatory fields  
    var fieldRequired = Array("subject_code","subject_name");  
    // Enter field description to appear in the dialog box  
    var fieldDescription = Array("Subject Code","Subject Name");  
    // dialog message  
    var alertMsg = "Null or Invalid input \n";  
  
    var l_Msg = alertMsg.length;  
  
    for (var i = 0; i < fieldRequired.length; i++){  
        var obj = formobj.elements[fieldRequired[i]];  
        if (obj){  
            switch(obj.type){  
                case "select-one":  
                    if (obj.selectedIndex == -1 || obj.options[obj.selectedIndex].text == ""){  
                        alertMsg += " - " + fieldDescription[i] + "\n";  
                    }  
                    break;  
                case "select-multiple":  
                    if (obj.selectedIndex == -1){  
                        alertMsg += " - " + fieldDescription[i] + "\n";  
                    }  
                    break;  
                case "text":  
                case "textarea":  
                case "password":  
                    if (obj.value == "" || obj.value == null){  
                        alertMsg += " - " + fieldDescription[i] + "\n";  
                    }  
                    break;  
                default:  
            }  
            if (obj.type == undefined){  
                var blnchecked = false;  
                for (var j = 0; j < obj.length; j++){  
                    if (obj[j].checked){  
                        blnchecked = true;  
                    }  
                }  
                if (!blnchecked){  
                    alertMsg += " - " + fieldDescription[i] + "\n";  
                }  
            }  
        }  
    }  
  
    if (alertMsg.length == l_Msg){  
        return true;  
    }else{  
        alert(alertMsg);  
        return false;  
    }  
}  
//-->  
</script>
```

```
<div class="content">  
    <div id="toph"></div>
```

```

<div id="header">
  <div class="rside">
    <div class="citation">
      </div>
    </div>
    <div class="lside">
      <div class="title">
        <p>Welcome <?php echo $name; ?></p>
        <p>&nbsp;</p>
        <p>&nbsp; </p>
      </div>
    </div>
  </div>
  <div id="main">
    <div class="center">
      <h1 align="left"><span class="citation style4"></span>Update Subject<br />
    </h1>
    <p></p>
    </div>
    <p>&nbsp;</p>
    <div class="leftmenu">
      <div class="nav">
        <ul>
          <li><a href="admin.php">Home</a></li>
          <li>Subject
            <ul>
              <li><a href="createsubject.php">Create Subject</a></li>
            </ul>
          </li>
          <li><a href="logout.php">Logout</a></li>
        </ul>
      </div>
      <div class="padding">
        <h2>&nbsp; </h2>
      </div>
    </div>
  </div>

<blockquote>
<p class="style9">Update Subject : </p>
<table width="551" border="0" cellpadding="1">
  <form name="form1" onSubmit="return formCheck(this); action="process_updatesubject.php"
method="post">
  <tr>
    <td width="161" height="25" valign="top">Subject Code : </td>
    <td width="380" valign="top"><input name="subject_code" type="text" id="subject_code" value="<?php echo
$row_RS_ViewSubject['sb_ID']; ?>" size="10" readonly/>
    </td>
  </tr>
  <tr>
    <td width="161" height="25" valign="top">Subject Name : </td>
    <td width="380" valign="top"><input name="subject_name" type="text" id="subject_name" value="<?php echo
$row_RS_ViewSubject['sb_name']; ?>">
    </td>
  </tr>
  <tr>
    <td height="25" valign="top">Description : </td>
    <td width="380" valign="top"><textarea name="subject_description" rows="4" cols="20"><?php
echo $row_RS_ViewSubject['sb_description']; ?></textarea></td>
  </tr>
  <tr>
    <td width="161" height="25" valign="top">No. Session per Tutorial : </td>
    <td width="380" valign="top"><input name="subject_nosession" type="text" id="subject_nosession" size="5" value="<?php
echo $row_RS_ViewSubject['sb_nosession']; ?>">
    </td>
  </tr>
  <tr>
    <td height="25" valign="top">&nbsp;</td>
  </tr>

```

```
<td width="380" valign="top"><input type="submit" name="Submit" value="Update" /></td>
</tr>
</table>
<p><br />
</p>
</blockquote>
<div id="footer">Copyright &copy;2007 Universiti Teknologi Petronas |
    <a href="mailto:teddy_nana@yahoo.com">Contact</a> | Site Best Viewed Using FF v2+ at 1024 x 768
</div>
</div>

</body>
</html>
<?php
mysql_free_result($RS_ViewSubject);
?>
```