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TIME TABLE ADMINISTRATION APPROACH

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Abstract - A Time table is a temporal arrangement of a set of Lectures and classrooms in which given constraints are satisfied. This application helps the students as well as faculty to no their academic timetable. This project can be implemented practically which is capable of taking care of both strong and week constraints of the tame table management. So that each student and faculty can view their time table once there are finalized for a given semester. This table administration approach lays a particular view of class allocated to faculty every day. This also specifies the leisure periods for the faculty in regard of any invigilation assigned to them during the exam period.

Key Words: Academic timetable, Administrator, student, Faculty, Leisure periods, PHP, JavaScript

1. INTRODUCTION

The planning time table is one of the most complex and error- prone applications. The available system currently builds or generates a set of time tables manually, but most times have issues with generating a clash-free and complete time table. There are still serious problems like generation of high cost timetable are occurring scheduling and these problems are repeating frequently. Most educational institutions have restored to manual generation of their timetables which according to statistics takes much time to get completed and optimal. Even at the optimal stage of the manually generated timetable, there are still a few clashes and it is the lecture that takes a clashing course that works out the logistics of the course so as to avoid the clash. Therefore there is a great requirement for an application distributing the course evenly and without collisions. Our aim here is to develop a simple, easily understandable, efficient and portable, which could automatically generate good quality timetable within seconds. The aim of the "Timetable administration approach" is

a) User can enter into the website they can read the content.
b) User will be able to give feedback and to manage their account and see their time table.
c) Admin can view all the contents (all the timetables, i.e. personal as well as general)
d) Admin has the authority to manage the database.

1.1 Scope

The project has a very huge range in future. The project can be enforced on intranet in future. Project can be modernized in near future as and when essential for the same results, as it is very flexible in terms of extension. With the advanced software of database Space Manager ready and fully operative the client is now able to maintain and hence run the entire work in a much better, accurate and error free manner.

2. Review of Literature

2.1 Existing system

The present time table system is done manually and even the additions, deletions and modifications are also done manually. In case of invigilation purpose the faculty who has free periods is to be found out manually by going through the existing time table. Even the continuous allotment of the periods is to be only given after checking the entire periods manually that are present in a day, Even though the number of classes attended by a particular faculty in a day (or) a week is to be entered manually. Individual time tables for a particular faculty are also done manually; the changes made in master time table are not reflected in individual time table.

Hardware Requirements

- Processor : Pentium Dual Core
- Ram : 1GB
- Hard Disk : 80GB
- Key Board : Standard Windows Keyboard

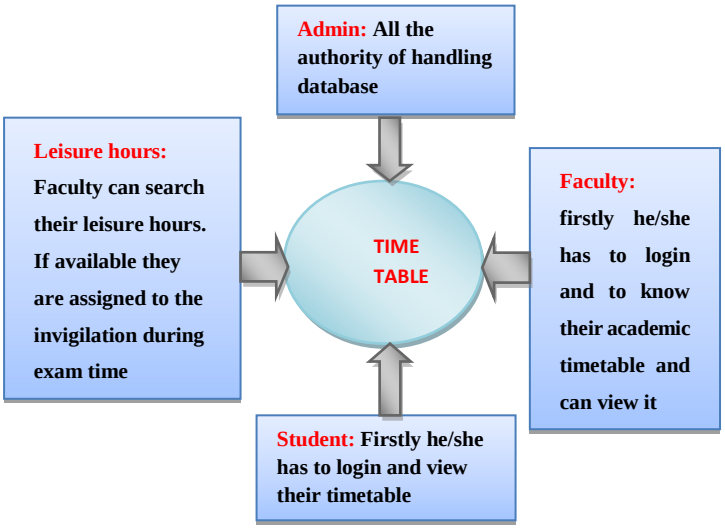
Software Requirements

- Operating System : Windows 7 Ultimate
- Front-End : Html, Css, JavaScript
- Back-End : PHP
- Data Base : MySQL

2.2. Proposed System

The main goal of the application is to bring down the classes that are allotted for the faculty in a day wise schedule. Lab allocation can be done; invigilation can also be permitted to the faculty who have leisure periods.

System Architecture



2.3. System Study

Feasibility Study

An important outcome of preliminary investigation is the determination that the system request is feasible. This is possible only if it is feasible with in limited resource and time. The different possibilities that have to be considered a

a) Operational Feasibility
b) Economic Feasibility
c) Technical Feasibility

a) Operational Feasibility

Operational Feasibility deals with the study of prospects of the system to be developed. This system functionally removes all the tensions of the Admin and helps him in successfully apprehend the project advance. This kind of computerization will absolutely reduce the time and energy, which already exhaust in physical work. Based on the application, the system is demonstrated to be functionally achievable.

b) Economic Feasibility

Economic Feasibility or Cost-benefit is an estimation of the economic justification for a computer based project. As hardware was installed from the beginning & for lots of purposes thus the cost on project of hardware is low. Since the system is a network based, any number of employees connected to the LAN within that organization can use this tool from at any time. The basic private network is to be refined using the current resources of the institutionn. So the project is economically achievablele.

c) Technical Feasibility

According to Roger S.Pressman, Technical Feasibility is the appraisal of the technical resources of the system. The organization needs IBM adaptable machines with a graphical web browser allied to the Internet and Intranet. The system is advanced for platform Independent environment. Java server pages, JavaScript, hypertext markup language, structured query language server and web logic server are used to develop the system. The technical feasibility has been accomplished. The system is strictly impractical for a main result of final expression is the resolution that the system appeal is feasible. This is possible only if it is feasible within evolution and can be elaborated with the existing provision

5. Methodology

In time table administration approach, we can use languages like JavaScript, PHP etc.

We can discuss about these languages

a) JavaScript

Java script is one of the most popular programming languages on earth and is used to add interactivity to Web Pages, process data as well as create various applications (mobile apps, desktop apps, games and more). It is programming languages that consider you to implement a

concerned and attractive design on web pages. If you want your web page to look attractive JavaScript is a must and should.

JavaScript is favor by many developers because of the following advantages:

1) It is Easy to learn and implement.
2) JavaScript is a fast client-side programming language.
3) It has a rich set of Frameworks like Angular JS and React JS.

b) PHP

PHP is an acronym for Hypertext pre processer, PHP is an freely accessible and server side scripting language originally it is implemented for build-up the web pages to produce strong web sites. It is one of the first build-up server side scripting languages to be inserted into a html source record instead of calling another file to process date. The code is translated by a web server with a PHP processor module which produces the website. It also contains command line interface ability and can be used in independent graphical implementations.

3. Conclusion

This project was successfully completed within the given time period. The project timetable administration approach has been developed in PHP with SQL database language, Html, Css and JavaScript. All the elements are tested separately and put together to form the main system. Finally the system is tested with the data and everything worked successfully. Thus the system has fulfilled the entire objective identified. The goal of the application is to bring down the classes that are allotted for the faculty in a day wise time table. Lab allocation can be done; invigilation can be given to the faculty who have leisure periods.

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BIOGRAPHIES

B. Prasanna Rani working as Assistant Professor – Computer Science Engineering in VSM College of Engineering, Ramachandrapuram and project guide to the Employee Performances analysis Management system.

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