Notification of the updated time table

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Abstract -This paper will provide a user friendly and easy to implement Time Table which is very important part of any educational institute. This document will provide a time table module for the university administration software system, in which different working algorithms are used to update the time table schedule as per the requirements, So that each faculty and student can view their timetable once they are finalized for a given semester and if there's a need to make changes in the given time table then it would be administrators responsibility to make some updates according to the requirements. This timetable Generation System has to manage all the different aspects of the process that would generate a timetable for every class and faculty only if all the requirements that have been gathered are satisfied such as availability of faculties, availability and capacity of physical resources (such as classrooms, laboratories and computer rooms etc) and the rules applicable for different classes, semesters, teachers and subjects level, allocation of faculty to the classes, announcing an important event or coming up with a sharp change in time allocation for the faculty can be a day-to-day activity that must be updated on time.

Keywords:- Time table management, Administrator,Notification, Institutions

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1. INTRODUCTION

A time table play a very crucial and important role for educational of the institutions and schools. This will also provides effective solution to the problem of adjusting the time table in a required simple and organised way. Through the interactive means of the time table management system we can also measure and ensure that the notification of the time table can be generated really fast and smoothly. The notification of time table management system software it is equipped with the most of the efficient features used which can also ensure that the time table management can be made easy to ensure that the most of the effective time schedules can be fixed according to the school, college and university needed and been suggested as per required .With the help of some really useful and effective tools we can also ensure that there are no unnecessary delay and confusion with effective time table notification system.

This paper will also describe the methodology for the notification of the time table management system used in the developing of the web based project system which is known as the notification of the time table management system. The project will describes the system overview, scope ,how it will works, and how the email is been send to the respected email address and the older time table is been updated. The requirement is been addressed and justified on the decision made through the respected project. The main objective of the developing the notification of the time

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table management system is to have the quality project with feasible time table management so that it can improve the current system that the Manav Rachna University is using. Such as the system should be user friendly and easy to maintain. So that the project produced should be easily modified to the respected address of any form of the constraints in an actual situation as per required by the facility in the colleges. The respected system should be robust and also produce a feasible solution for any sort of problem with the required situation is facing and is been when ever required.

The notification of the time table module will check the class duration and the Faculty availability class, students timing and facilities present. To prepare the time table notification module one needs to update all the basic information in the required system of the time table management system. It can modify the respected updates by just changing the details of the basic information details in the respected time duration.

The notification of the time table management system is a web based project system which is been developed for the lectures and the students of the school, colleges and the university of the required organisation as per their online notification of the time table updates. It will contain three modules:-

- Administrator Module
- Lecturer Module
- Student Module

Administrator Module: - Administrator Module main task is to handle the entire administrator module function of the updated message whenever there is a change in the old time table it has to get updated. It also have to register the required organisation for the first time in the school, colleges and the university for the first time as per required.

Administrators also have to handle the additional editing, deleting and updating of the classes and the subject as well.

Lecturer Module: **-** The Lecturer Module contains the function to view time table for the specific lecturer. It will contain the old time table, Updated time table and we can also compare our old and the new updated time table. Lecturer, Students can also check or inquire for the availability of the room and can also check for their free lecture in advance.

*Student module***: -** Students module contains the functionality of add and drop subject. Students can view the time table whenever he/she wants. Notification of the Timetable Management System also contains a database, which stores the lecturers and students details. Only the administrator can view, add and delete the data in the timetable.

1.1 Technology used

Features of the visual basic .net:

- It is a high level language, flexible, and is also object oriented language.
- It includes the low level features that are also been available in the assembly level language and the machine level language.
- It is widely available commercial interpreter for most of the personal computer and the mini computers.
- It is machine independent and the Programs written in it are easily ported from one computer to another computer.
- The programs interface may include the familiar controls that window users are already know how to operate with the list, buttons and the commands such as the command button, option list and the text boxes.
- As a result design the main task is to require many of the hours of the detailed programming efforts that can now be completed in minutes.
- The software developed in visual basic .net are user friendly and good looking interface.
- In the visual basic there we can quickly design the elements of any new programming project.

All these different modules here provide most the facilities that any educational institute must have to follows:-

- *Time Table support for the better class management*:- There can be many cases where there is a need for the notification of the time table management

system. With the quick access to all those functions such as by adding an item to the updated time table, deleting a predefined classes that are allocating a new class to the new faculty which just takes a few minutes and save a lot of time for everyone.

- *Easy to use Dashboard***: -** The most important part for the notification of the time table management is the support of the dashboard. The dashboard presents the central point of the action for all the employees and the administrator as well as.
- *Bring productivity and innovation***: -** It is necessary for the all the educational institutions to take care of the notification of the updated time table in a structured and the well organized manner with the help of the time management system. It can also easily manage the updating of the time table and improve the productivity and the management of the classes, seminars and all the important announcements.
- *Instant Notification System***: -** Whenever there is a change in the time table such as changing the faculty to class in easily reflected throughout different account associated with our system. The timetable update is instant as every account is been connected with the same sort of the database and have the capability to propagate to everyone that are affected with the change made in the time table.
- *Engage the student in the right way***: -** Students, for example as in the notification of the time table management system we get an alerts, scan of the time table and hence to prepare for the classes in the advance, creating an environment for the better productivity, learning and innovation. College environment can only be judged how the time table and other individuals associated with it are been maintained. With the notification of the time table management everything works seamlessly and with great transparency.

2. PROPOSED METHODOLOGY

The proposed methodology of the respected project is to develop the of the timetable management system, which can improve the current manual system that MRU is using. In order to achieve the objectives, due to the time constraints, the scope of the notification of the basic time table management system covers the following features and the functions:-

An administrative section which includes the following:-
- Manage student's profile

- Manage lecturer's profile
- Manage the username, password and change password.
- Create main frames tables.
- Manage the add and drop subjects.
- Manage the add, edit and delete classes.

A Lecturers Section which includes the following:-
- View to the updated time table.
- View to the main time table for the current semester.
- Check for the free lectures.

A students Section which includes the following:-
- View to the old time table management system and the updated time table also.
- Change password.
- There can be add and drop of the subjects.

The notification of the time table management system of the project will be based on the Dot net and using the concept of the advance database management system. The project will consist of three views as per defined by the college .As a lecturer and the student can be a person who can only view the time table and can also view the updated time Table. As a lecturer and student they can also compare their old time table with the new updated time table.

The steps through which the notification is been send are:-

- Open the visual studio and then create a new web based website project. To create a new website click File -> New -> Project or simply clicking ctrl+shift+Nkeys together, net IDE will allow you to create a new project.
- Select the web from the installed templates on the left pane, select ASP.NET web application from the desired project name, location of the desired project, location of the project and click on OK button. It will create a new website of the application. But this the default page default.aspx will also open with the default line of the code.
- We also need to create a new aspx page that will have a body field. To add a new aspx page, right click on your project name, then select New Item. Or click Ctrl +shift+A keys together; it will open a "AddNewItem" window in it.
- Select the web form and the respected name of it is "Compose Mail.aspx" and click on the add button. As soon as we click on the add button it will create a new page with "Compose Mail.aspx" and the default source code which is been visible on the screen.

- Now we need to place few controls on this web page to compose an email. So we need to place textboxes that accepts inputs likes To, subject & Body and a send button

The basic methodology which is been used in it is that as there is a change in the time table then the message is been send to email address which is been registered in the database for the required user and we can also compare our old time table with the new updated time table by clicking on the compare button on the respected page of the website.

3. FEATURES AND BENEFITS
3.1 FEATURES

- User Friendly Interface
- Result driven work by experts
- Powerful Reports tool
- The Upgraded global software standards.
- Save energy and the time.
- Works with more than one computer on LAN.
- The remote support from the morning 8:00 am to 3:00 pm.
- Automatic generation of the school.
- The efficiently plan time of the faculty members and the staff.
- The class arrangement to ensure gaps between the complex and the high priority classes for the low stress learning environment.
- Re-adjust of the summers and the winters timetables according to the govt rules.

3.2 BENEFITS
- Optimal utilization of time and teaching resources through an intelligently designed timetable
- Manages stress on the levels of the students and teachers.
- Effort minimization towards the designing ,copying and forwarding of the information about timetables.

4. CONCLUSIONS

This project is very useful for the Manav Rachna University as it can help the lecturers to develop a systematic timetable and easy to use. Even the system is built and used by university and colleges; it can be extended to another faculty in the University. Generally, this project can be considered a useful system since it helps the lecturer to improve the process of preparing the timetable and

notifying when there is an update in the time table. By providing the support through the notification of the timetable Management system, the usage can be increased to any faculties of the college and the university.

The separate time table for the individual classes, faculty and the labs are been generated automatically by this system. The various slot combinations can be acquired so that the another timetable is been generated as per needed. The project reduces the time consumption and the pain in framing the timetable manually and to know if there is any change or update in the time table.

REFERENCES

[1] Development of Timetable Management System Using Genetic Algorithm.

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