## Project Proposal

## Software Development Project-II

## Project: ****Routine Management System for Department of****

## ****Computer Science and Engineering.****

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**Motivation:**

I have analyzed and implemented an automated information system for manage class routine for our department. My proposed system makes easy to use the manual system. It will be able to manage class schedule of the department by modern computer. It will help to provide all the information of the class schedule and status of the department in a quicker process successfully. My project may be used as a model for the entire department.

**Objectives :**

We live in a world of objects. These objects exist in nature, in human made attributes, in business, and in products that we use. They can be categorized, described, organized, combined, manipulated and created. Web based technology is a new way of thinking about problems using part by part module organized around real world concepts.

I used web based technology as PHP and MySQL for database to design and develop my project proposal, Class routine management system in client server environment.

This project is designed for developing software performance the information system with at least manual intervention. The software has been designed to do informational tasks like Chairman, Teachers, Student and the Super Admin.

To analyze and design and finally implement this software I choose

* MySQL for Designing the database
* Server Side Scripting Language PHP
* HTML, CSS, Java Script for UI Design

**Class Routine Management System:**

In general, the term Class Routine Management System means the system which automates any Class Schedule. The system can be both web based and as well as desktop based application. In a Class Routine management system, the teacher can choose session wise course and make schedule of his/her class. He/she also can update status of his/her class schedule. The students can view class schedule status.

The super admin can also see the all activities which are being performing in that system. Admin can add/update syllabus, semester, course, teacher information and teacher priority to place his/her schedule.

Class Routine management Systems has a number of different areas of work:

* Add/Update Syllabus information
* Add/Update Semester information
* Add/Update Course Information
* Add/Update Teacher Information
* Manage Course Allotment
* Manage Class Schedule
* Change User Password
* Forget user password

**Purpose:**

**The purpose of this application is as follows**

* The software is for automation of Class Schedule
* It provides following facilities to

**Teacher**

i) Can add/update semester wise course allotment information.

ii) Can make course wise class schedule.

iii) Can update the class schedule

**Super Admin**

         i) Can add/update syllabus information.

         ii) Can update, create, and delete the record of semester information

       iii) Can add/update course information

#### Student:

         i) Can view class routine.

         ii) Can view class schedule status

### Scope:

The difference area where we can use this application as:

* Any education institution makes use of it providing class schedule
* It can be used in offices and modifications can be easily done according to requirements.

**Technology Used:**

**Front End:**HTML, CSE, Java Script and JQuery

**Back End:**MySQL database and PHP as server side scripting lanaguage

**Overview:**

Project is related to Class Routine Management System which provides reading services to its members. Only the teachers and chairman of department of Computer Science and Engineering, MBSTU can manage class schedule. Students only can view class schedule.

**Functionalities:**

i)                    Storing the syllabus, semester, course and teacher information

ii)                  Manager course allotment

iii)                Manage class schedule

iv)                Manage users

v)                  Routine view with class schedule status

vi)                Login to the system

**Proposed system provides with following solutions:**

1. It provides “better and efficient” service to members.
2. Reduce the workload of teacher and students.
3. Faster retrieval of information about the class schedule.
4. Provide facility for proper monitoring reduces paper work and provide data security.
5. All details will be available on a click.

**Conclusion:**

I like to mention that I am going to use waterfall model, as my development methodology. I have some argument to follow this, these are

* Waterfall method is easy to make plan, because the plan is similar every time
* Waterfall method is easy to schedule the reason behind this is use the complexity of the problem and the number of developers to work out how long the development will take then divides the result by the total number of phases.
* The waterfall methodology allows us to have developers with different kinds of experience at each stage.