# College Management and Time Table Generation System

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**ABSTRACT**

Web Application for College Management and Time Table Generation System is software developed for students, staffs daily timetable and director's schedule, invigilation's in collages. It facilitates to access particular timetable for students, staff and invigilation slots, including director's schedule to conduct meetings. The information is sorted by the operators on users request. By just a click on the mouse, the system will be able to produce the users optima schedule report thus reducing the need for manual work which is prone to human errors and time consuming..

## 1. INTRODUCTION

### 1.1.SCOPE

In recent years, several forces have been driving an evolution of student information systems and, as a result, leading many institutions to replace theirs. Those forces are Demand for 24/7 web-based access to information by students, instructors, and parents.

### 1.2.PURPOSE

Innovative Scheduler is software developed for students, staffs daily timetable and director's schedule, invigilation's in collages. It facilitates to access particular timetable for students, staff and invigilation slots, including director's schedule to conduct meetings. The information is sorted by the operators on users request. By just a click on the mouse, the system will be able to produce the users optima schedule report thus reducing the need for manual work which is prone to human errors and time consuming..

## 2. OVERVIEW OF THESYSTEM

### 2.1 EXISTING SYSTEM

The type of the system any department uses always plays an important role in management of the institute. Better the form, efficiency and accuracy of the system, the easier would be the management tasks. Since the existing schedule of the Institute is totally working manually. All the information's are handled manually in the documents. Manual system involves paper work in the form of maintaining various files and manuals. Maintaining critical information in the files and manuals is full of risk and a tedious process.

### 2.2 DISADVANTAGES:

- This existing system is not providing secure registration and profile management of all the users properly.
- This manual system gives us very less security for saving data and some data may be lost due to mismanagement.

## 2.3 PROPOSED SYSTEM

This application is built for automating the process of time scheduler. It also enhances the speed of performing daily tasks easily. This system is very useful to the faculty also because they can easily access the leisure slots and for extra sessions. It is also useful for examination branch to allot staff members for invigilation's.

## 2.4 ADVANTAGES

- This system maintains user's personal, address, and contact details.
- User friendliness is provided in the application with various controls provided by system rich user interface.
- This system makes the overall project management much easier and flexible.
- Various classes have been used for maintain the details of all the users and catalog.
- Authentication is provided for this application only registered users can access.

## 2.5 MODULES OPERATIONS

**Users of the System :**

1. Administrator
2. Staff
3. Student

**Modules of the System**

- Administrator
- Staff
- Invigilation & Meetings Module
- Timetable
- Authentication

MODULES OPERATION:

1. **Administrator:**
   - 1.1 **Subjects:**
     - 1.1.1 Add Subjects
     - 1.1.2 View Subjects
   - **1.2 Labs:**
     - 1.2.1 Add Labs
     - 1.2.2 View Labs
   - **1.3 Classes:**
     - 1.3.1 Add Classes
     - 1.3.2 View Classes
     - 1.3.3 Add Classrooms
     - 1.3.4 View Classrooms
     - 1.3.4.1 Provide Class Subjects
     - 1.3.4.2 View Class Having Subjects
     - 1.3.4.3 Add Class Labs
     - 1.3.4.4 View Class Having Subjects
     - 1.3.5 View Total Class Subject and Labs
2. **Lecturers:**
   - 2.1 **Subjects:**
     - Add Dealing Subjects
     - View Dealing Subjects
   - **2.2 Labs:**
     - Add Dealing Labs
     - View Dealing Labs
   - **2.3 Booking Slots:**
     - Booking Slots
     - View booking slots
3. **Invigilation:**
   - Add Exam Invigilation Details by Admin
   - View Exam Invigilation Details**.**
   - Add Meeting Details by Admin, Hod (or) Lecturers
4. **Time Table:**
   - Generate Example Timetable for Classes
   - Add subject class times
   - Add lab times
   - View Class wise subjects
   - Add Lecturer Subject Classes
   - Add Lecturer Dealing labs timetable
   - View Lecturer Timetable
5. **Authentication :**
   - login
   - student registration
   - Lecturer registration
   - View students
   - View lecturers
   - Change password

- View profile
- logout

## 3.SYSTEM DESIGN

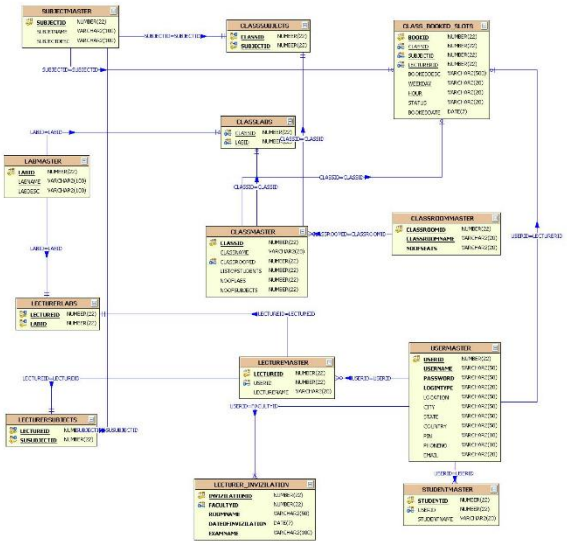

Fig 3.1 Faculty Collaboration diagram

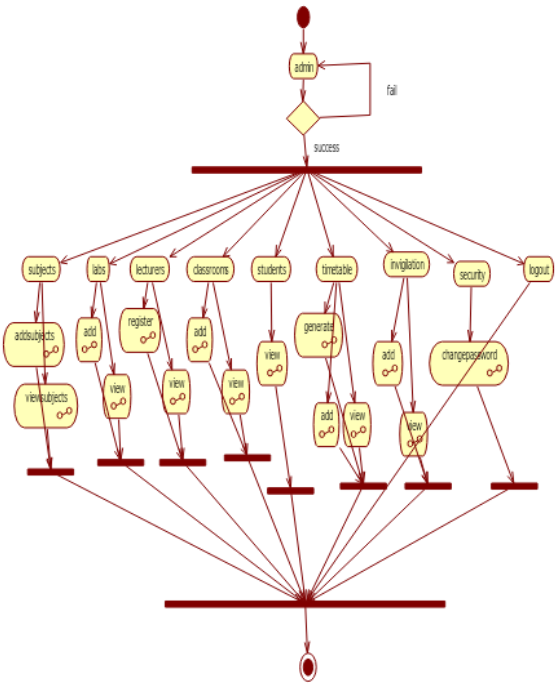


Fig 3.2 Admin Activity Diagram

## 4. OUTPUT SCREEN SHOTS

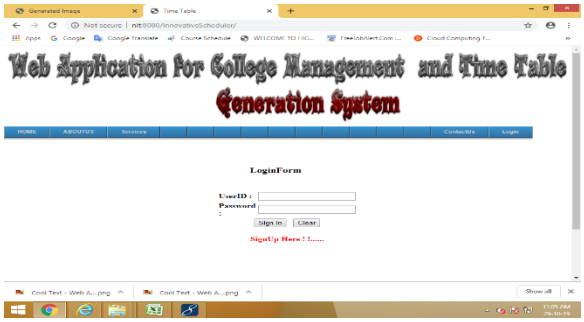


Fig 4.1:Home Page

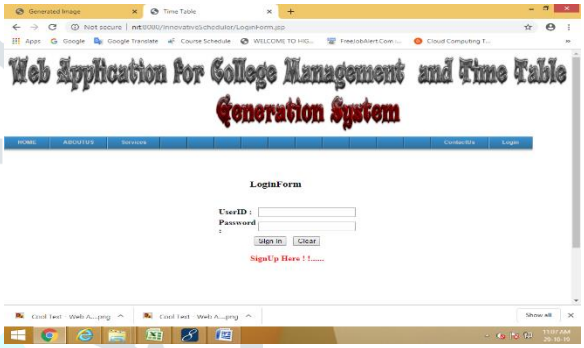


Fig 4.2: Login Page

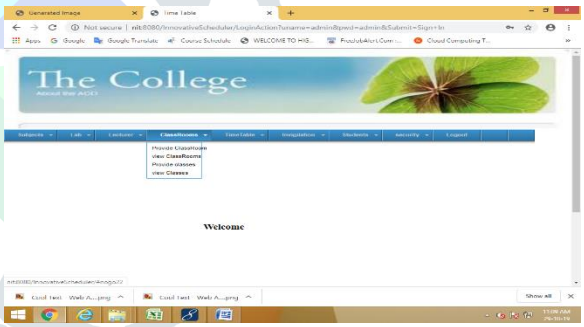


Fig 4.3: Classroom Details Page

## 5. CONCLUSION AND FUTURE ENHANCEMENT

The **College Management& Time Table Generation System** was successfully designed and is tested for accuracy and quality.

During this project we have accomplished all the objectives and this project meets the needs of the organization. The developed will be used in searching, retrieving and generating information for the concerned requests.

## 6. REFERENCES

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