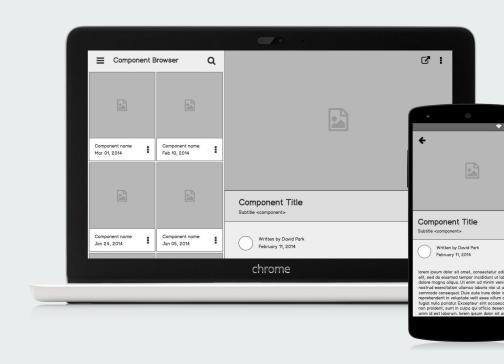# Exam Cell Automation

Simplifying the Examination Hall Allocation and Management

Submitted By :

Anju N | Nisary TS | Aashrith N

Contents

Outline

Exam Cell Automation System is developed for the college to simplify Examination Hall Allocation and Time Table Generation.

The purpose of developing this system is to computerize the traditional way of managing Exam Cell Activities.

Existing System :
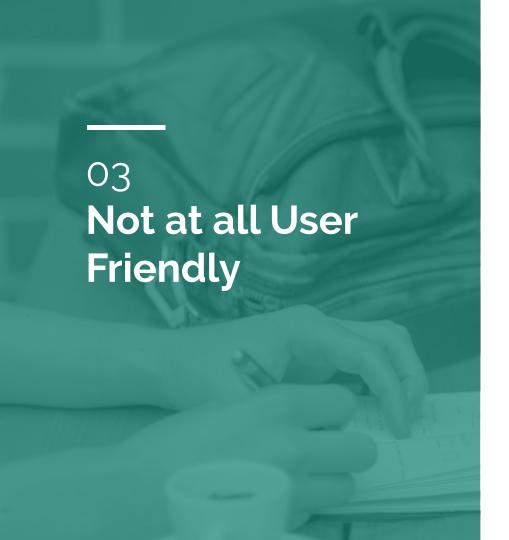## The Problem

01
Time Consuming & Less Efficient

Existing system is very slow and inefficient.

More time and energy is wasted to allocate the halls for different exams. This may even lead the way to erroneous reports and may rise chances for anomalies and redundancy.

02

More Manual Work Required & Less Accurate

Existing system still stuck into pen and paper.

Current Exam Cell Activities mostly include a lot of manual calculations and is mostly paper based. When the calculations are done manually, it may lead to more errors. There is lot of manual work involved in current system and mistake in one detail can lead to wrong generation of data.

03
Not at all User Friendly

Existing system forces user to do all the work.

All the maintenance and logical calculations are done manually by the user, which in turn leads to a burden of work. Also a small error in any detail between the manual task may rise to a large problem which becomes a heavy task as well.

Proposed System :
The Solution

01
User Friendly

The System is User Friendly for the retrieval and storing of data. And it is fast to store the data. It is maintained efficiently. The graphical user interface is implemented in this proposed system. It is more efficient than existing system.

02

Reports Are Generated Easily

Report like Hall Allocation can be easily generated in this proposed system. By this the user can generate the report as per the requirement and their wish for the duration of month or the day.

03
Very Less Paperwork

The proposed system requires very less paper work. All the data is entered into the computer and report can be generated by the help of computers, so that work become very easy because there is no need to keep data on more papers.

04

Computer Operator Control

Computer Operator Control is available so rate of errors will be less. Storing and retrieving of information is simple. So work can be done correct time and also good speed.
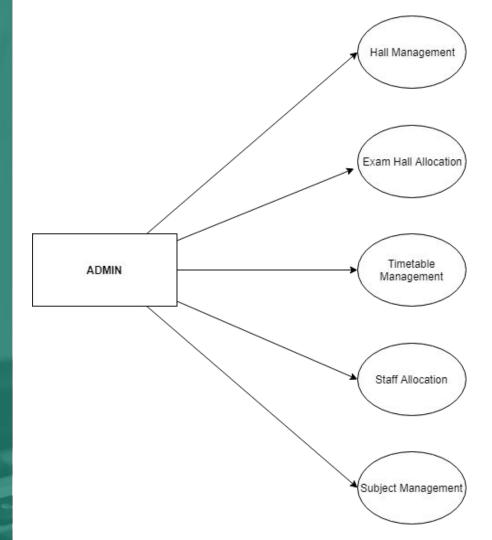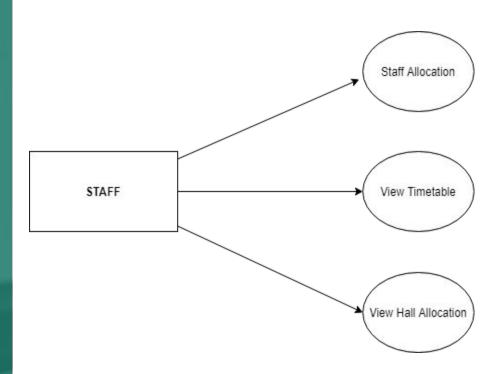
Modules

ADMIN MODULE

The different features for Admin are :

1. Hall Management
2. Exam Hall Allocation
3. Timetable Management
4. Staff Allocation
5. Subject Management

STAFF MODULE

The different features for Staffs are :

1. Staff Allocation
2. View Time Table
3. View Hall Allocation

Tables

TIME TABLE - TABLE

COLUMN_NAME	TYPE	CONSTRAINTS	DESCRIPTION
Exam_id	Int	Primary Key	Holds exam id
Exam_date	Varchar(50)	Not Null	Holds the examination date
Session	Varchar(50)	Not Null	Holds session
Subject_code	Varchar(50)	Not Null	Holds subject code
Department	Varchar(50)	Foreign Key	Holds the department name
Semester	Varchar(100)	Not Null	Holds semester

HALL - TABLE

COLUMN_NAME	TYPE	CONSTRAINTS	DESCRIPTION
Hall_id	Int(11)	Primary Key	Holds hall id
Block	Varchar(50)	Not Null	Holds block name
Room_no	Varchar(50)	Not Null	Holds room number
Floor	Int(11)	Not Null	Holds floor number
No_of_benches	Int(11)	Not Null	Holds number of benches

SUBJECT - TABLE

COLUMN_NAME	TYPE	CONSTRAINTS	DESCRIPTION
Subject_id	Int(11)	Primary Key	Holds subject id
Subject_code	Varchar(50)	Not Null	Holds subject code
Subject_name	Varchar(50)	Not Null	Holds subject name
Department	Varchar(50)	Not Null	Holds department name

DEPARTMENT - TABLE

COLUMN_NAME	TYPE	CONSTRAINTS	DESCRIPTION
Dept_id	Int(11)	Primary Key	Holds department id
Dept_name	Varchar(50)	Not Null	Holds department name
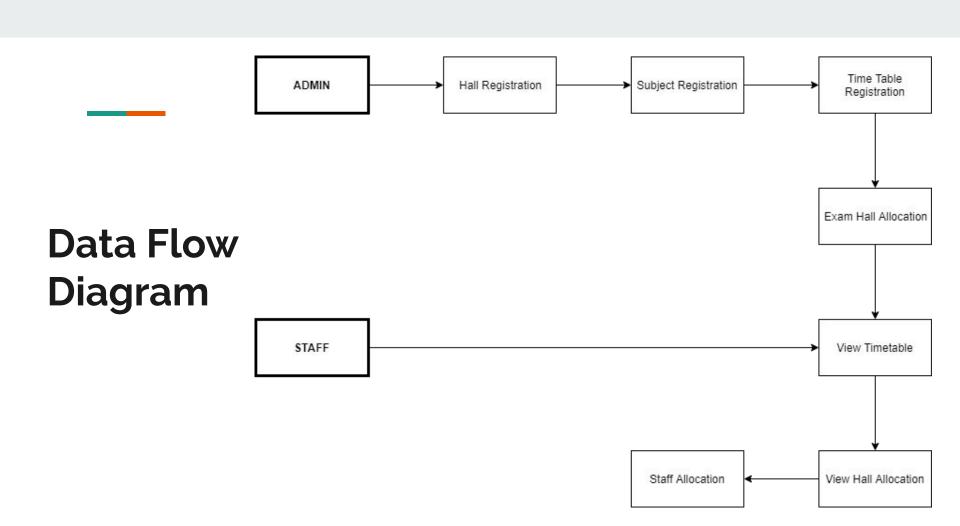
STAFF - TABLE

COLUMN_NAME	TYPE	CONSTRAINTS	DESCRIPTION
Staff_id	Int(11)	Primary Key	Holds staff id
Staff_name	Varchar(50)	Not Null	Holds staff name
Dept_name	Varchar(50)	Not Null	Holds department name

STUDENT - TABLE

COLUMN_NAME	TYPE	CONSTRAINTS	DESCRIPTION
Student_id	Int(11)	Primary Key	Holds student id
Student_name	Varchar(50)	Not Null	Holds student name
Admission_no	Varchar(50)	Not Null	Holds admission number
Register_no	Varchar(50)	Not Null	Holds register number
Department	Varchar(50)	Not Null	Holds department name
Semester	Varchar(100)	Not Null	Holds semester

Structural Diagrams

Data Flow Diagram

Thank You