

# **SYNOPSIS**

## **Report on COLLEGE ADMIN MANAGEMENT SYSTEM**

**by**

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## **ABSTRACT**

**This is a web oriented application allows us to access the whole information about the college, staffs, students, facilities etc. This application provides a virtual tour of Campus. Here we will get the latest information about the students and staffs. This generic application designed for assisting the students of an institute regarding information on the courses, exams, grades and exam-timetable. It also provides support that a faculty can also check about his daily schedule, can create exams, prepare questions for Exams, and notices to the students. Here administrator will manage the accounts of the student and faculties, checks the overall performances of students, and upload the latest information about the campus. We identify several problems including unauthorized privilege escalation, incorrect use of cryptography, vulnerabilities to network threats, and poor software development processes.**

**We show that only college administrator can start the system administrator can search the particular student by his/her enrollment number or student id and we are adding notification module where administrator should add the notification with start and end date.**

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# Introduction

## **PROJECT SCOPE**

College information: Through this service one can access the complete information about the college campus such as courses available, admission procedure, placements, college events, achievements etc.

Student tracking: Any company or any organization that want to check the summary about the student of the college, so that they will be able to choose the particular students for their campus placement And for that purpose they will be given a particular link through which they can access the information required.

Student attendance status: It gives the attendance status of students. Faculty will update the attendance periodically and can be seen by students.

Online Exams: Students can take online exams from anywhere; it provides portability and system for calculating their performance as well. Online Exam Dates will be provided by the Faculties to the Students Through their registered Email.

Student's performance in exams: This facility provides the performance of the student in each exam which is conducted by university or college such as midterm performance. Marks obtained by students in exams will be automatically updated by system which can be accessed by students.

Exam Notification: This facility notifies students and parents about examination schedule.

Events: It will give information about different events that will be conducted by college time to time. Information about these events will be updated by administrator.

Online assignments: This service provides the facility to faculty to upload assignments and to students to submit these assignments online.

# **Literature Review**

Until recently the place of the College Admin Management System . Now-a-days, education is playing very significant role in the society. Day-by-day, the percentage of illiterates are decreasing and the percentage of literates is increasing. Education will change the society in all the aspects and everyone wants to study higher professional degrees.

Admissions are increasing day by day so there by. Ratio of establishment new colleges and schools are also increasing. But the actual challenge is starting from now. Most of the schools and colleges are maintain student information in records.

When the number of records increased, it is difficult to maintain the information of each student in the old manual system.

Maintaining the records manually leads to error prone and required more man power and it consumes more time for processing the records.

### **EXISTING SYSTEM**

In the existing system of the project we had just results that is usage through manually,here student can check through the computers from a personal computer located at a particular point of place.

### **DISADVANTAGES OF EXISTING SYSTEM**

- More time
- More money
- More manpower
- More work
- Less work result
- No accuracy



### **PROPOSED SYSTEM**

We resolve all the disadvantages of existing system in our proposed system, CMS. Old students can share their experience, ideas, motivations to their juniors in the college. They can provide information regarding higher studies. RESULT Automation which yields aggregate percentage up to that instant. Time will be saved, No chance of getting error.

# **Project Objective**

**This is a web oriented application allows us to access the whole information about the college, staffs, students, facilities etc. This application provides a virtual tour of Campus.**

**Here we will get the latest information about the students and staffs. This generic application designed for assisting the students of an institute regarding information on the courses, exams, grades and exam-timetable. It also provides support that a faculty can also check about his daily schedule, can create exams, prepare questions for Exams, and notices to the students. Here administrator will manage the accounts of the student and faculties, checks the overall performances of students, and upload the latest information about the campus.**

- **No paper work required**
- **No data duplication**
- **Time efficient**
- **User friendly**
- **Fast data insertion and retrieval**

# **Research Methodology**

The first phase of software project is to gather requirements .Gathering software requirements begins as a creative brainstorming process in which the goal is to develop an idea for a new and modules that no other software vendor has thought. New software modules ideas normally developed as a result of analyzing the project.

The main function of requirements gathering phase is to take an abstract idea that fills a particular needs or that solves a particular problems and create a real world project with a particular sets of objectives, timeline and team.

Some of the highlights of the requirements gathering phase include:

- Collecting project ideas.
- Gathering customer requirements and proposed solution.
- Justifying the project
- Submitting the request for proposal
- Getting the team in phase.
- Preparing the requirements documents.

**Collecting project ideas-**

coming up with project ideas can prove expansion exercise.

**Problem Definition-**

The problem is to provide the complete information about the college campus. In which the college staff members and students can access the information and will be familiar with college campus. It will provide interactive environment for the staff and students by getting knowledge of attendance, remarks, exams performances, grades, exam-timetables, notices etc.

## **TECHNOLOGY SELECTION**

**Advance Java**

**Tomcat Server**

**MySql Server**

**Servlets**

**Jsp**

**HTML / CSS**

**Bootstrap**

**Javascript**

We select the java language for our project, because Java is an object oriented programming language. It has two lives, one as a stand-alone computer language for general-purpose programming

and the other as a supporting language for Internet programming .

Advance Java is used for web development purpose by using it as a backend system programming language.

Java offers the following features:

- 1. Compiled and Interpreted.**
- 2. Platform-Independent and Portable.**
- 3. Object-Oriented.**
- 4. Robust and Secure.**
- 5. Distributed**
- 6. Architecture-Neutral.**
- 7. Familiar and Simple.**
- 8. Multithreaded and Interactive.**
- 9. High Performance.**

# **Project Outcome**

**The project entitled as College Admin Management System is the system that deals with the issues related to a particular institution.**

**This project is successfully implemented with all the features mentioned in system requirements specification.**

**The application provides appropriate information to users according to the chosen service.**

**The project is designed keeping in view the day to day problems faced by a college.**

**Deployment of our application will certainly help the college to reduce unnecessary wastage of time in personally going to each department for some information.**

**Awareness and right information about any college is essential for both the development of student as well as faculty. So this serves the right purpose in achieving the desired requirements of both the communities.**



# **Proposed Time Duration**

## Project Task

FEBRUARY

MARCH

APRIL

MAY

Plannin & Requirements

Design

Coding & Implementation

Testing & Report

# **REFERENCES**

## **Books:**

- 1. Internet & World Wide Web: How to Program Deitel, PJ Deitel.**
- 2. Web Development with Java Server Pages BY Duane K.Fields and Mark A.Kolb.**
- 3. The Complete Reference Java2 HerbertSchildt.**
- 4. Core Servlets and Java Server Pages By Marty Hall.**
- 5. Apache Jakarta-Tomcat by James Goodwill.**

## **Web Sites:**

- 1] Google**
- 2] Stack Overflow**
- 3] Tutorials Point**
- 4] W3schools**