**A Review Of Institute-Based Central Content application**

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**Abstract**

*A Content Application for institutes enables to centralize all the required information at a single place to access it. the main objective of the application is to focus on the ongoing and upcoming information with a single source of connect and making it manageable easily with less domain knowledge The existing management uses different website for publishing notice, links, circular , registration. This is very time consuming process [8]. as to check and keep in touch will all sources of information which increases the chances of miss the required information. In this review paper we tried to give summary of all papers which tries to provide solution of described problem.*

Keywords: *Institute’s Content Application, Campus management System, Student Information System , Campus newz Application. Android , Web.*

INTRODUCTION

Earlier the leading universities found a challenging job to manage the exchange of information on the university campus as it was an excellent task to perform. So in the 1990s, they started shifting towards a better way by use of Digital Technology[1]. Which has resulted in the expotential growth of information sharing.

The information in the Campus can be of

Activities , events , Seminars , news and other related information which management has to provide to the respected student , faculty or department.

These systems include, but are not limited to, student registration and enrolment, student and staff data, course work and exam information, program information, financial information, human resource information, accommodation, and many more as required by the institute[5] . The information within the institute is very unstructured in the manner of information sharing and retrieving. the applications can manage the content and collect it all at a single source of access which can make it easy for management as well as viewing also passing the information to the other means of platform.

**Assesment of Technologies used.**

As the Market is Filled with numerous numbers of technologies it is very much necessary to choose the best suited technology which can help in scaling the application and making the most of it.

[1].the authors designed and develop an application with the help of Android Studio and SQLite Database. This application tested under the robotium. The authors also check the performance of the application using promethee.

Most of the Authors have choosen this set of technology as the databases can be improved to the modern one like Mongodb , Firebase.

[4] The key architecture choice is between client server system and web-based system. The clientserver products require a server for each site and use special software that must installed and maintained on each computer running the CIS.In contrast web-based systems usually have centralized server that allows users to access data via a secured internet connection with out special software installations .

The web based system can be a very wise choice to deliver to the users the constrains can be in the form of delivery speed in the manner of new frameworks to be used like React.js , Angular for Frontend and Redis , Aws , Azure for the Database and Cloud storage options which can improve the responsiveness drastically.

[5] a complete online project, for a firm to run it successfully. A desktop Windows application by .Net. The front-end will be HTML pages . Java code will be used for validation and processing of user input and database it will act as a middle layer. Third layer of database will be interacted with these layers, which would be MYSQL database. The web server would be Apache Tomcat.

The Windows or MacOs application which is just related to Desktop cantbe able to provide a great mobility to the users which is necessary and one should focus on.

**Assessments of Different Management Systems.**

There are various existing institute based application. Every application has its characteristics, disadvantages, and advantages

***College Department Management System****[5]*Collage Department Management System is a web based system with features like activities, voting and feedback of each event. It is a system in which only an authentic person can log in, the administrator can list the events and take feedback as well as can carry out a voting as well.

The Collage Department Management System is designed and created in order to reduce the man power, time and money and to automate the management works.

The whole Collage Department Management is highly secure and designed to take only authentic voting and feedbacks but it lacks the feature of notifying users about the event and news of the collage.

***SMART CAMPUS*** *– An Academic Web Portal with Android Application*[10]

Smart campus is a mobile as well as well

as web application. The application has four different type of users: Student, Teacher, HOD and Principal and each individual will have own application user interface respective to their type and have access to feature regarding their designation.

The major aim to design SMART CAMPUS system is to automate the management and also to easily report the higher authority with the finest and authentic detail about all aspects of the collage. So the purpose SMART CAMPUS is to make collage tasks easy.

The major setback of SMART CAMPUS system is to manage the different user interface for four different users (i.e. Teacher, Student, HOD and Principle).There may be a conditions where it may get difficult to make everything work smoothly.

***NotifyMe***- An Android Based Application for Student Services Administration [9]

notifyme is an android application which is currently used in various Mumbai University. It is an android app that have features such as student remarks, exam performances, grades, timetables, notice etc., and it provides interacting environment for staff-student as well as student-parents by showing student performance through the application.

The main purpose of notify is to automate the office work and managing student information in an institute. It also made the announcement process easier to operate and more users can be easily notified,

The major drawback of the system is that it can only be accessed by the android user, the ios users cannot access it because it does not have the web version either.

*Michael Schulze[11]“****Campus news*** - *Artificial Intelligence Methods Combined for an Intelligent information Network*”

There so-called service nodes are installed at chosen points of interest. These service nodes broadcast messages to nearby mobile users using Bluetooth wireless technology.It describe the methods of artifical intelligence which are used within the Campus News environment. Using Bluetooth technology it would be necessary for user to stay in range which is a little disadvantage.

Tandra Narasimha Rao [3] “Student Information System” The system has come up with many functionalities for educational institutions to track the student progress and managing attendance. It helps both student and guardian to keep track of student progress without visiting to the college. It also notifies student and guardian during the time of important events which are happening in institution. Here they are managing all the details of students which become complex to handle a data where in our case we are using notification to send the information to a student.

*Ritu Malhotra [1] “****An Android Application On Campus System****”* The main motive to build the app is to serve various purposes of students, teachers, and administrative staff of an educational institution under a single application. It provides a portable environment, but the working of the application varies depending upon the requirement of the user to the user. In this app the requirement is handle by admin

staff only they have the access to the

update or add the information.

***College Notification System*** *[7]*

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*Sandhya. K3 , Swathi. D. V4*

This android based college Notification System application focus on aims to notify students and faculty. Traditional notice board requires lots of pen, paper work and also wastage of papers. Generally, colleges use traditional paper-based notice board. The users can get the notices through E-Notice Board from anywhere in the college campus. The Application implement E-Notice Board program which can run on any computer system either by local area network or wired or wireless network. E-notice board allows students and faculty to views notices wherever they are.The drawback of the system is it has limited users and this application focuses on only academic activities.

***Android Based Campus solution for campus management system [8]***

*“Android Based Campus Solutions”* is the focuses on system which mainly connects the students, staff, parents, alumni with the college using mobile phone. The staff can enter attendance of students, internal test marks, can share notes, etc. The students can get notifications time to time about the tests, events, etc. The parent can anytime check their child’s attendance, performance. The parents get notified with the achievements of college the striking feature of this app is that the students or alumni can get their certificates, concession forms using the app. They get notified when their document is ready. The institutional holiday list can be broadcasted on the app. The different circulars notices can be quickly forwarded. important part of the app is appointment scheduling, anyone can make use of this feature and schedule an appointment with principal and vice principal by checking their availability.[7]

An application not focusing on other extra-curricular activities which is major missing part of this application, it is only accessible by android user.

***College Department Management***

***System****Ms. A. V. Sinhasane1, Ms. A.N.*

*Kashid2,Ms. P. J. Kumbhar3, Ms. P.R.*

*Shirpale4, Prof. S. L. Mortale5 [6]*

College management system is intra-based

application that can accesses throughout the institution or a specified department. This system may be used for monitoring attendance for student as well as staff

logging may in also access or can be search any of the information regarding college. Attendance of the staff and student as well as marks of the student will be updated by staff. This System mainly focuses on engineering college to maintain and facilitate easy access to information.[6]College management system is academic based system which only focuses on providing information related to college which is in the database.

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