

# Android App Based ACE Portal

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**Abstract:** - ACE Portal is an android application. Firstly, it is a web-based application and it was converted into an android app with the user-friendly customization. The data can be fetched from the server and it can be viewed in the android app. The college system that can be accessed in an online system. It is to design, publish and maintain an app for our college which consists of all the information regarding the college like infrastructure, faculty, transport facilities etc. The purpose of the project is to build an app program to reduce the manual work for managing the college, student, faculty. It tracks all the details about the course, fees. This project is to add mobility and automation to the process of managing college information. It is an environment which makes the process much easier and simple.

**Key Words:** —Android, College Application, Smart Connect, Education system.

## I. INTRODUCTION

Android application for college provides one attractive environment where the information's about college can be manipulated easily. In this student and other authorities get all the information's in their hand about the college through the android application. It is a software which is helpful for students as well as the college authorities. The main principle behind the need of all the Android app for college is easy supervision of an Institute. This software can also help us to explore all the activities happening inside the college. It can handle all the details of courses, events, news, admissions, academic etc. A smart phone-based application using Android can be used to make this process to be easier, secure and less error. More efficient information will achieve through this system. Android is an open-source Linux based system developed by Google, and primarily aimed at mobile phones and other portable devices. In the previous system, all the information has to view in a hard file, or in a website. At the same time while searching any information it is too difficult to access and takes a lot of time to search the particular website.

### 1.1 Purpose

The main objective of this project is to add mobility and automation to the process of managing student information in an institute. The system bridges this gap between the end-users and the contrivance planning managers by providing centralized control over the entire system. There are different departments utilize the system for sequencing different processes that are isolated apart. The system is easy to use, it keeps all records, needs less memory space, no need for looking college notice board, create the awareness of permissions to the students. This project provides a mobile app which facilitates easy access of all academic related access for students and teachers and eradicates the usage of paper.

## II. EXISTING SYSTEM

In the existing system, all the information does not have to maintain in a hard file, or in a website. While search any information it is too difficult to access and takes lot of time.

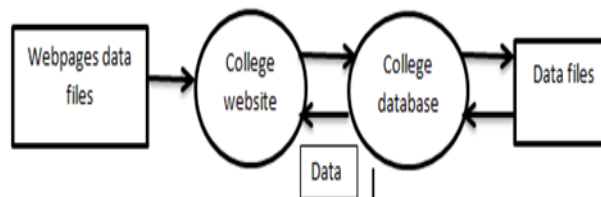


Fig.1. Existing System Flow Diagram

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### 2.1 Disadvantages

- It takes a lot of time.
- Complicated Procedure.
- Searching for an information in a website is very difficult.
- It is very difficult to search a particular website.

### III. PROPOSED SYSTEM

The proposed system is an application that is designed to manage and handle the operation of an institution. This app is helpful for students, teachers, parents, alumini. This app ensures that the smooth communication between the college and the students. It is a useful tool that can be used by all the members from anywhere, at any time on an Android mobile device.

### 3.1 Advantages

- The system is user friendly interface.
- It needs no login for searching.
- Functionality will be easier.
- It is very feasible and easy to handle.
- It is fast and convenient.
- It is easy to operate for every person.

### IV. ARCHITECTURE OF PROPOSED METHODOLOGY

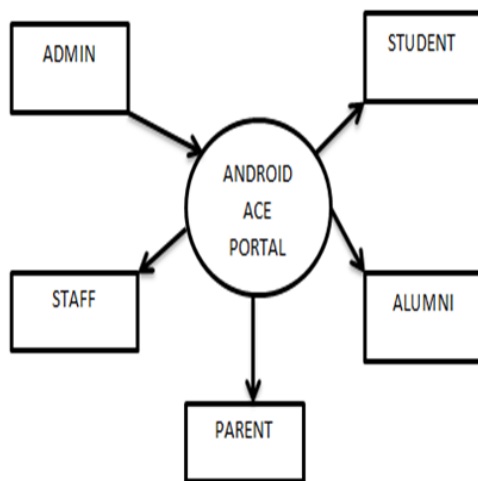


Fig.2. Architecture of proposed Methodology.

### 4.1 Modules

#### Landing Page Module:

This page allows a student to view the information of the college. All the information's can be viewed by the student, parents, alumni, guest, staff etc.

#### About Us Page Module:

Here general information of the institute along with digital information like uploading of any pictures is provided. So that any user can find out details about the institute and proceed.

#### Academic Module:

This module contains admission, academic schedule, courses etc. All the information that can viewed by each and any single person.

#### Events Module:

Events can be maintained and informed to the users for all future activities in this module. Events can be set for with a time-to-time bounds, that which will expire after the event is completed. Event notification is always triggered at every point in an application.

### V. CONCLUSION

Android application for college through mobile devices is a very effective which can be used to a great extent. Not only the institution members, but also the other users can also view the college details through this application. And also, the students can view details, notifications anywhere and anytime. This app gives the mobility and automation to the institutional activities. This app gives an easier, safer and quicker way of connectivity with college. This app is completely secure and safe. This app helps in saving the cost of printing and papers, as most of the paper work is done electronically. The information can be retrieved easily and it is a user-friendly way to access the app. So, this app helps in keeping the place in this mobile era.

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