



# FACULTY PROFILE- Android and Web Based Application

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## ABSTRACT:

The Faculty Profile is a mobile as well as web application. It uses smart phones of android platform and web services on computer systems. In recent years, the Android Technology with webservice has brought many drastic changes in the mobile application development field. Faculty profile is helpful for faculties as well as the colleges. The Android and Web based faculty profile is used to provide information such as personal, educational, employment, membership, academic, research and development details about the faculty. The data will be stored in the database server in the form of XML data. The faculty can login through the app and update their information. In this system, faculty can view their own profile and admin/HOD can view information all the faculty members as a pdf document. The profile can be reused while preparing various reports about the department and the institution. Faculty can gain the information easily and quickly, so that from any place and at any time the information can be obtained. This application provides good user friendly interface and it is cost effective.

## INTRODUCTION:

India has the fastest growing telecom network in the world with many users moving towards smart phones. Android provides a rich application framework that allows you to build innovative apps and games for mobile devices. The platform will continue to evolve as the developer community

works together to build innovative mobile applications. If management wants necessary information about faculty, it is difficult to prepare the manual work to store the information. Paper records are difficult to manage and track. The design and implementation of a faculty profile system is to replace the current paper records. Management is able to directly access all the details through android as well as web application.

## LITERATURE SURVEY:

Currently many android applications are available separately to favour the students with respect to their studies such as to assist them in taking lecture notes or videos, download the notes and reminder that remember the works to be done by the student within the particular time etc. In college campus, the information in the form of notices, oral communication, can be directly communicated among students through the android devices. The students can access information at any time. In college management, faculty uploads attendance, results, college notifications and the student can give the feedback at anytime from anywhere to faculty through android devices. In student information tracking system allow teachers to take attendance, edit attendance, view student's bunks, send important documents in pdf format such as exam time table, question bank etc and also helps teachers to inform students about the events that college was going to organize. In educational institutions, all over the country, many faculties are



employed. For maintaining their details, faculty profile is developed.

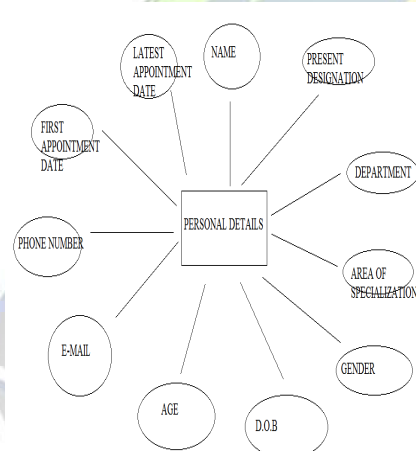
#### PROPOSED SYSTEM:

An Android and Web Based Application that Manages faculty profile system is designed to provide more easier way to the faculties to add and retrieve information quickly. Once the faculty opens this Android and web application, at the front end after registering all the necessary details are to be filled. There are two types of users. The admin/HOD can view all the faculty details.

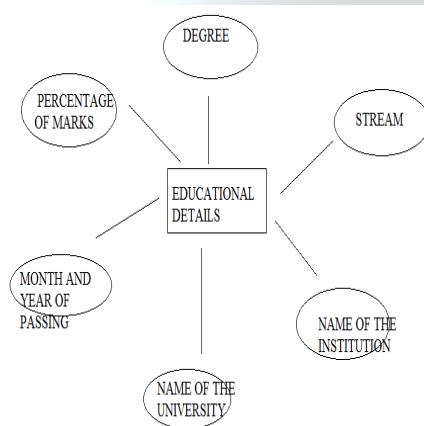
#### FACULTY DETAILS:

It includes six entities:

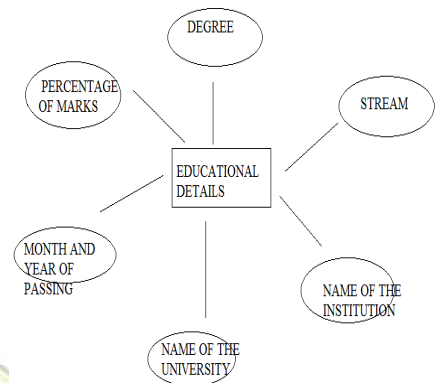
- Personal details



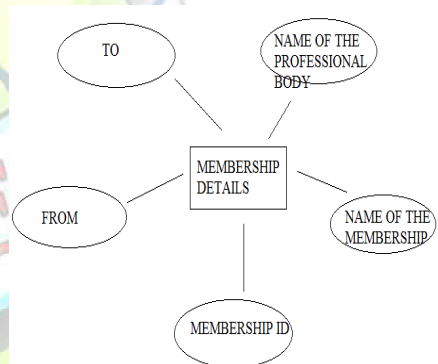
- Educational details



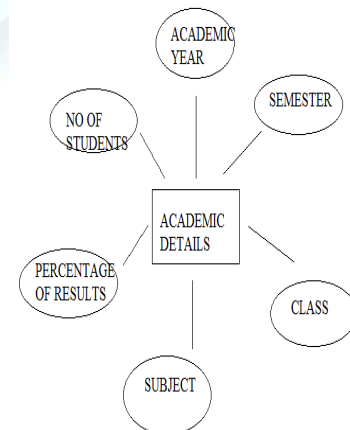
- Employment details



- Membership details



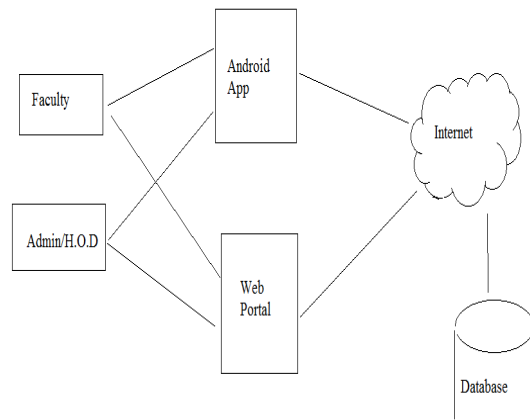
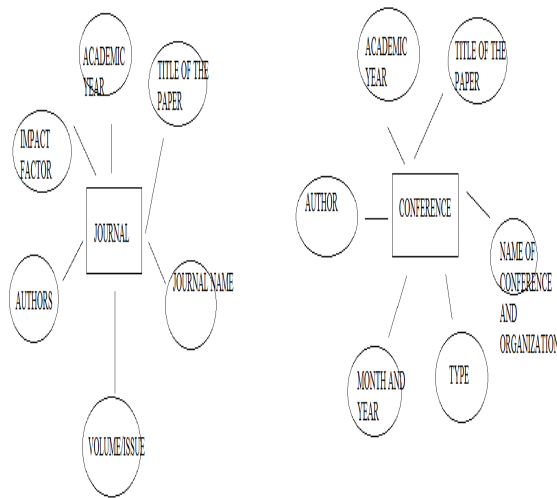
- Academic details





## SYSTEM ARCHITECTURE

- Research and Development details



## MODULES:

There are three different modules:

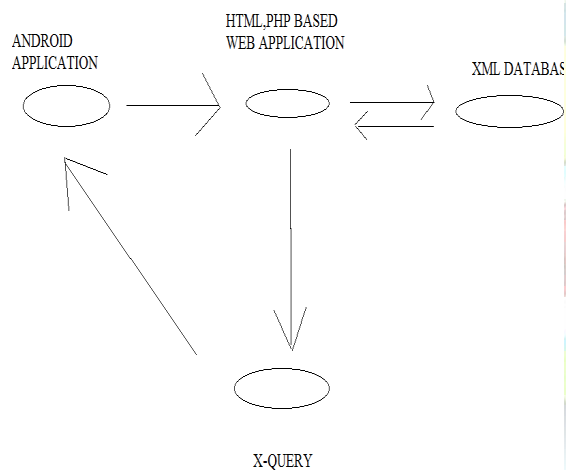
- Insertion
- Updation
- Retrieval

## REGISTRATION AND LOGIN:

Given that the faculty has downloaded the application, then the faculty should be able to register through the application by providing the details required for registration. After registration, the faculty can login into the system by providing the faculty username and password.

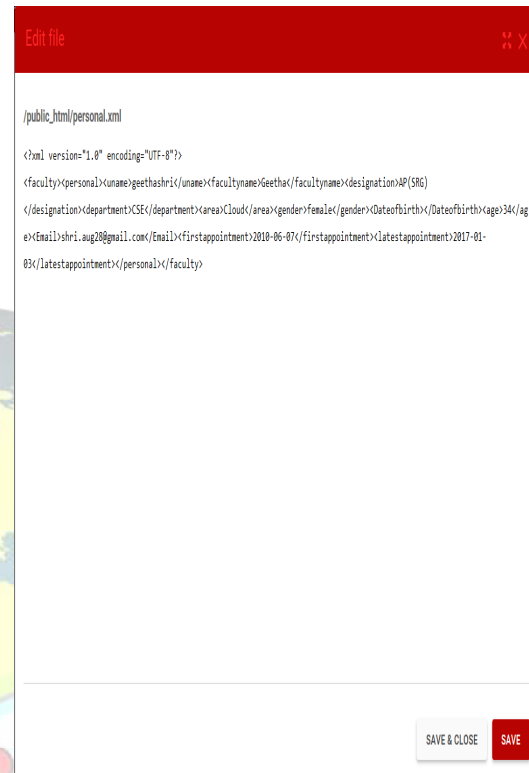
## LOGIN:

## DATABASE COMMUNICATION





XML was designed to store and transport data. It was designed to be both human- and machine-readable. It is normally used for transporting data through feeds. It is used as centralized database. All the details of the faculty are stored in the xml file.



## SYSTEM REQUIREMENTS:

### FRONT END:

#### ANDROID STUDIO

Android Studio is the integrated development environment (IDE) for Android platform development. It uses the quick growing Gradle build system that is so integrated, and Gradle is really a great tool.

#### HTML

HyperText Markup Language (HTML) is the standard markup language for creating web pages and web applications. HTML describes the structure of Web pages using markup. Browsers do not display the HTML tags, but use them to render the content of the page. It is used to design website for this project. Christo Ananth et al. [3] discussed about creating Obstacles to Screened networks. In today's technological world, millions of individuals are subject to privacy threats. Companies are hired not only to watch what you visit online, but to infiltrate the information and send advertising based on your browsing history.

### BACK END:

#### XML

#### PHP

PHP is acronym for Hypertext Pre-processor which a widely-used server scripting language, and a powerful tool for making dynamic and interactive Web page which can be embedded into HTML and is used for connecting with database.

#### XQUERY

XQuery (XML Query) is a query and functional programming language that queries and transforms collections of structured and unstructured data, usually in the form of XML. XQuery is to XML what SQL is to databases. It is designed to query XML data and is used for retrieving data from xml file.

### CONCLUSION:

The proposed system automates the existing manual system so that it reduces the required man power. This is a paperless work. It can be monitored and controlled remotely. It always



provides accurate information. The application offers reliability, and takes less time to retrieve the details about the faculty. It can be used as a base for creating and enhancing applications for viewing details of faculty for any educational institution.

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