SEARCHING ADMISSION METHODOLOGY(SAM): AN ANDROID BASED APPLICATION FOR ENGINEERING STUDENT'S

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Abstract: *In our life as technology changes day to day we should walk with technology. In this the handheld devices & smart phones plays an important role in our life. In our proposed system we have developed a searching admission methodology which is based on android app and will help students to find out the best colleges. In our daily life we always think which college we should take because there is competition increasing in our day to day life. Students are not able to select the colleges properly and also their parents are thinking that their child should go in best college. So, our project provides a student an android app which is useful while taking admission in college. Students can easily select the best college for taking admission. Our system provides students to see the college's cutoffs, fees, details of colleges which can help them while taking admission. Our system's main aim is to provide student a mobility environment where they can easily access the system to find their desired colleges.*

Keywords:- Android app, Mobility.

Introduction

SAM is all about detail information about all College's. Our app will help students to find their best colleges and seeking admission. It will also help Diploma passed students for seeking admission in DSE. SAM is all about detail information about all Colleges in Mumbai affiliated to Mumbai University. The cutoff and fee structure of colleges will make the student's easy to choose the colleges.SAM system will be user-friendly and easily available to users with simple GUI.The System includes proper cut-offs & fees of every college.It will display district wise which are under MU and department wise colleges.Photos and videos of colleges make the GUI attractive. SAM is very useful app especially for Direct Second Year Students as the DSE student doesn't know much about the colleges in Mumbai So SAM will provide you the list of colleges which teaches DSE students. So SAM is the best App for DSE students.

Problem Statement

The students who passed out 12th or Diploma come across the problem to decide which Engineering College is best for them.The major drawback is that most students only knew those Colleges which are famous but didn't suit their percentage.Most students don't even know that how many colleges are there in Mumbai along with their reputation.Comparing Colleges is one of the biggest issues when it comes to traveling or financial problem.Students are confused to choose the colleges when more than one college fit their percentage. Nowadays it has become a challenge to decide the Engineering College due to the presence of n number of Colleges in Mumbai. This searching system will help the student to decide which college is best for them. They can check cut off any college just by clicking on the college they want. Any problems related to traveling, financial and many others are solved using SAM.

Literature Survey

In [1]. The Android App for Engineering Admission is one of the needed parameters in this generation. As the student does not know to select the best college which is in his area. This Paper helps us to develop an app for the Engineering students who want to take admission in the best college. This system will provide the details of every college, proper cutoffs, fees and managing the information. Mostly Direct Second Year Students they Compromise with the Colleges due to lack of knowledge about Engineering Colleges. The various other sites which also provide information about colleges but most are outdated.

In [2]. The purpose of evaluating an algorithm is to understand its behavior in dealing with different categories of diagrams, methodology. This paper helps us in developing various tags like placements tags and also cultural fest. of the colleges. It also guides us in developing the flowchart. The methodology which is used is agile. In Agile, a project is converted into small models also known as a sprint. Each sprint can be completed using waterfall steps; like Conception, Initiation, Analysis, Design, Construction, Testing, Implementation and finally Maintenance.

In [3]. The creating of a database could be understood easily. This paper guided us how to develop the database and filter the data from it. The book helps us to know how SQLite is used in android as SQL cannot be used in Android because of

SQL being heavy so we use SQLite to create our database. In the database, we created different tables of college, department, feedback. The college table contains information about the colleges & cutoffs also. In department table, the departments of every college are thereby using college code we can filter the particular department. In Feedback if a user wants to give feedback then that data is stored in it.

In [4]. Android Application Development book helps us to develop our android app with all types of Buttons or events handling in the app. This book helps users to developed different kinds of functions will help to develop app easily. We also learned different kinds of functions which help to develop an app which will be user-friendly.

Drawbacks of Existing System

An Android application for searching engineering colleges is although available to help the students but with multiple drawbacks. We are showing drawbacks of the existing system:-

1. Maximum colleges are not shown.
2. All colleges cut-offs & fees are not shown.
3. Old contacts are being shown but some of the contacts do not exist.
4. Reservation & minority status of colleges are not being shown.
5. If there is no internet connection then you cannot use that application.
6. The user interface is not so user-friendly.
7. The application is not updated (fees, intake, etc.).
8. Information regarding placement & reservation not shown.

Proposed System

This application is a way that guides the student who is searching for admission in engineering colleges after 12th or diploma. This app helps the student by providing detail information about colleges, fees structure, cut-offs, location, intake, courses etc.. It has most credible information on college fees, principle, courses, admission updates, placements, seats, reservation, and hostels.

The SAM app lets you:-
a) Find your dream college.
b) Access thousands of reviews from alumni and current students.
c) Compare between any colleges.
d) Find colleges by course, location.
e) Provides all information about colleges from Mumbai Region and University.

f) View in-depth information about courses, fees, cut-offs, faculty, placements and more.
g) Provides photos and videos with our superior in-app gallery.
h) Provides CAP admission procedure for Regular and Direct Second Year students.

Flowchart

A flowchart is a graphical representation of logical sequences and processes. The purpose of a flow chart is to provide people with a common language or reference point when dealing with a project or process. This Flowchart represents the workflow of our app. After Clicking on SAM logo will be displayed first then, the user will see different tabs.

Colleges: The first tab is College Tab. In College tab, information regarding different colleges will be shown and user will have to choose any one college after clicking on one college then, information of that college will be displayed. College Information like Courses, Fees Structure, Cutoffs etc.

Departments: Our 2nd tab is Department Tab. In departments there will be different departments like COMPS, EXTC, MECH, AUTOMOBILE, etc. and a user will have to select anyone after selecting one department colleges list will be displayed which has the department that was selected by the user.

Cut-offs: Our 3rd tab is Cut-offs Tab. In cut-offs, there will be different cut-offs are shown for each college.

Admission Steps: Our 4th Tab is Admission Steps Process Tab. In admission process, the process of admission for Regular & DSE will be shown separately.

Top Colleges: Our 5th Tab is Top Most Colleges Tab.In top colleges, top 10 colleges of Mumbai is shown.

Admin Login: There is Central Database maintained to store information of college's department's cutoffs etc. So, to Maintained that Database Admin is required. So we have provided admin which will update whole information of Colleges.
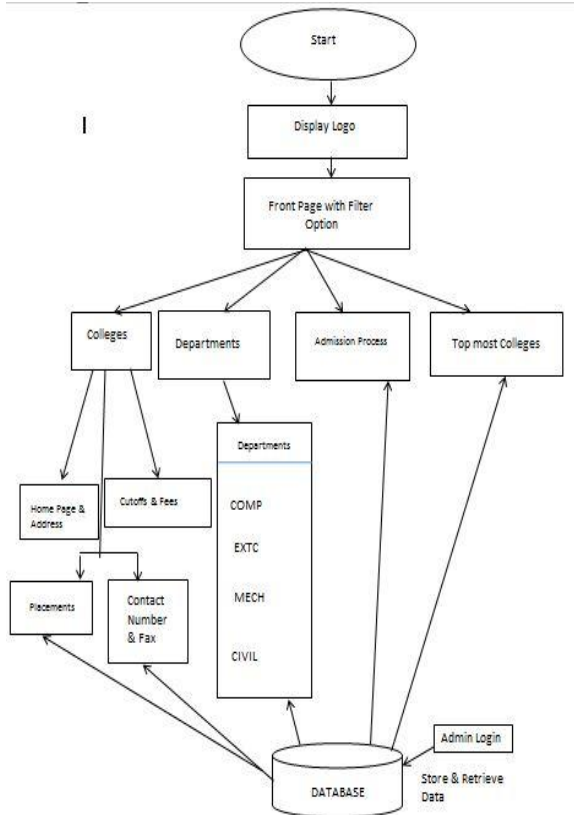
Fig. 1 Flowchart of SAM Application

TECHNOLOGIES USED

ANDROID STUDIO: - For user interface, we have used android studio software.

MySQL: - This software is used for database managing & filtering data from it.

CONCLUSION

The system or application releases the stress of engineering student and app will show the guidance to the student for seeking admission to college. The app is user-friendly and when the student confused about how to seek admission in engineering college then that time our application helps them a lot. Our system also overcomes the limitations previously developed systems.

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