

Education Recommendation System

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Abstract: In the present scenario, we see that students are facing lot of problems for choosing the right interest of course or the branch and selecting the colleges after their senior secondary education. Most of the students just take the decision of choosing their branch because of their relatives' suggestions or their parents' forceful decisions. Sometimes, they won't be having any idea about what course they are going for. So most of the students realize their mistake only after choosing the course which is not of their interest and hence they could not change it later and have to suffer. Our concept, i.e. Education Recommendation System, will help those students in selecting the course which is of their interest by taking the Personnel Assessment Test. The test will assist them by recommending right branch that will can be best suitable for them. It will be showing the overview of the course and also will help them in choosing the right college or institution regarding that course. Initially, we have designed and windows based mobile application that will only assist the students in the field of Engineering. Our idea is to later extend it for the further fields such as medical, commercial, arts etc. Also, we can design a website that will assist all the students of different fields. It will be completely different from the present scenario which does not assist the students for their field of interest.

I. INTRODUCTION

After passing, their senior secondary examinations, students get confused on choosing the field where they can show their potential and the field they find interesting. The idea for the application is that students will be able to understand that there is a huge number of potential career fields that they can excel in. This project is an attempt to make that choice simpler for the student. The app only provides the particular fields of engineering and not all. It's our basic step to provide guidelines to students and later our idea is extend it to in various other fields. The Students will find it very helpful and it will be the guideline for knowing the fields in depth.

The app is basically having the assessment test where the students will be asked some basic questions that are relevant with some common scenario that everyone see in their lives. The test is very simple and is quite easy to answer. The questions asked for this test are based on the common psychology of the students to gauge what their answer will be if they have potential in some particular field. We have done vast amongst of research with education counsellors, career guidance specialists and psychologists who have gained much experience in the field of engineering. We have chosen the question that were short listed after getting guidance from all the above mentioned professionals. The few questions that are been asked are mentioned further in the content.

Our app is totally different from the present scenario. It is being observed that students don't have much guidance for selecting their fields of interest either from their families or from their educational family. There are few websites that give some basic information about some fields but it is been seen that they have not given the detailed information about the fields. The students have to struggle for gathering the information about the field. Sometimes, they mislead themselves by choosing the career path that cannot be of their interest or where they cannot show their complete potential. There can also be consequences that they are not aware of what field they are going for and later they have to just take a drop from their educational career. Also, they don't receive proper guidance from their teaching faculties. Either they choose their career by seeing their friends going for the same or by the force from the parents. In either way, they need to struggle.

Our idea of developing this app will overcome all such chances of students misleading themselves by selecting unsuitable fields. Following are some points that show that how our app is presently different from the present model and how our future idea will make our app comparably different from the same:

- This app is the platform to the students which will guide them for choosing the field of their interests. We cannot find any of the present application that guides the students as per.
- Our idea is to make our app a single platform which has all the fields of education such as engineering, medical, dentistry, commerce, arts and sciences, astronomy, astrophysics etc. There isn't any applications in the present that supports all the fields in the same platform.
- Most of all, our app can be used on mobiles. Thus, it is mobile app which initially runs on smart phones having windows operating system. Later, we will be make our app to run on other mobile operating system such as android or iOS. No mobile application have been seen till now that provides all this above mentioned things.

II. DATA GATHERED

We have researched and collected huge number of data for our project. As we have selected Engineering as our primary field, we have gone through all the details about all the branches that are available in the field of Engineering. All the details such as syllabus, contents, past scenarios, present conditions, future impacts etc. have been gathered and studied widely. Experts, teachers, professionals and many other specialists were concerned to cover every single point for each of the branches of engineering field. The report was generated on the obtained details and few common things were sort listed such as choice of the students, their skills, hobbies, marks etc. for the respective branch of engineering. Similarly, we have gathered details for every branch and framed a couple of questions that can judge the students mentality, skills, choices and many more which will make them suitable for one particular field and where they can give their full potential. From that selected questions, we again have sort listed questions as per the experts' advice that will be the most likely efficient to guide the students.

Some of the questions that are asked are listed below:

- What are you most likely to doodle on the side of your paper when you are bored?
- What is something that you hate to do?
- If you buy a car, what will you see first in the car?
- If PC with internet is given to you, which information you will wish to google or which informative websites that you'd like to visit?
- What are the things that you like when you visit any airport?
- What size of company you would like to work for?
- Which gadget will you choose first to repair?
- If 1 crore rupees are given to you for business, what type of business will be your first choice?

III. TECHNICAL SUPPORTS

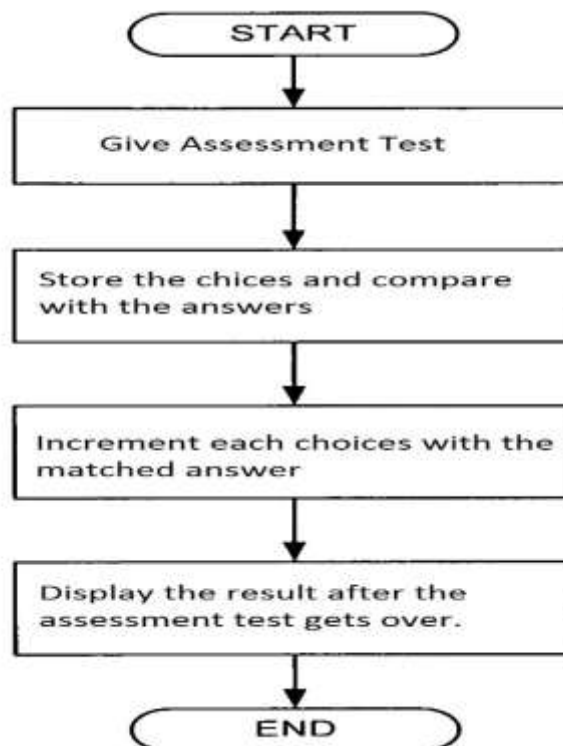
We have designed our application that will only run on windows 8 smart phones. It is been created on the software named Visual Studio 8.1 that is used to make windows application only. The programming codes were written on C# programming language and user interface was designed in xml platform. We have tested this app in windows mobile phone manufactured by Nokia. We have been assisted by a group of professionals who were having experience on mobile application development from mobiDex 360.

We have been provided desktop computer with Windows 8 operating system by our college. The software was also installed where we created our app. We have selected few random students from different branch of engineering to verify that whether our app is working in the expected manner or not. We have got 87% accuracy in the test. All the technical functions of the application were tested and verified by the professionals.

We have made the user interface of our app simple and easy to handle. Few screenshots of our application are shown below:



IV. CONTROL FLOW DIAGRAM



V. CONCLUSION

Therefore the overall conclusions for creating this application is that to improve the education level of the students and guide them for having their bright future. This will lead to the stable educational system for the students and also the institutions will find it easy to guide the students for further. We have implemented our idea to change the present condition of the students. This will also lead in the good future of India and students will be utilizing their skills in the respected field. They will be finding right choice of the field and will be going for right educational institutions. Their skills will be used uniformly in what so ever field they may go as the field they will go for will be of their interest.

Hence, our app will be the new initiative for the better education of the students as well as the country. And in the country like India, it has been very important to be focussed on the educational view of the students as they are told to be future of India.

REFERENCES

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