

MAKING CAREER CHOICES APPLICATION FOR CHILD AT SECONDARY LEVEL

Shruti Patil

Bhagyashri Pawar

Harshada Digrale

Harsha Naik

SSBT's College of Engineering & Technology, Bambhani, Jalgaon - 425001, Maharashtra, India

1. Abstract

Career choice constitutes one of the most critical turning points in student lives because this choice determines students future role in the society and symbolizes one of the most important processes in student entire life. Career choice is one of the key decisions among student's life. Correct decision will give success in their professional life. The objective is to determine role of career guidance in professional career choice among secondary school students. Career decidedness at early stages produces positive effects on student performance, college completion, and professional development. Good career planning leads to life fulfillment however; cultural heritage can conflict with youths' personal interests. This is examined existing literature on factors that influence youths' career choices in both collectivist and individualistic. Career choice and planning has become important as globalization, and current vocational choices have created an unprecedented war for talent. Selection of the wrong career can affect achievement, contentment and mental health of the individual for life.

2. Introduction

Career choice is a process that allows for the exploration of vocational, academic, and sociological endeavors to gratify individual, financial, and educational goals. Making Career choices application for child at secondary level refers to a process given systematically and continuously in order to form capability and attitudes towards career planning. In general, career planning is an individual process in making self-assessment, evaluation of career opportunities and action planning correlated to their career objectives. Career planning is seen as an important thing for children because it can not only help increases their motivation to achieve what desires them the most and ambitions. In the current scenario, most of the parents have only two career options, either an engineer or a doctor. Some students change their course after one or two years' studies. So before choosing the future course, a career decision has to be taken at the high school level itself.

3. Problem Definition

Every child at secondary level needs to have access to the existing choices for career to enable them to make study choices. The process of planning and choosing the right career as per student's interest to focused on early career exposures that can be developed through knowledge and skills. Design is the purpose, planning, or intention that exists or is thought to exist behind an action, information, material object or a system. A design is determined effective or a good product when the needs of both consumers and end-users are used in its planning, creation, and implementation

4. Proposed system:

Making career choices is an important aspect of a student's life at the secondary level. It is a project that aims to help students make informed career choices based on their interests. The project is designed as a web application that makes use of JavaScript, HTML, CSS as front-end languages, and Java as the back-end language. The web application starts with a login page that ensures secure access for the students. Once the student is logged in, they will be directed to the main page where they can take a common test to assess their

interests. The common test is a unique feature of the project, which differentiates it from existing projects. The test consists of a set of questions that help identify the student's areas of interest and their strengths. The test results are then used to generate a list of recommended career choices for the student. The list is based on the student's interests and strengths, and it aims to provide a comprehensive understanding of the various career options available to them. The project team has ensured that the recommendations are relevant and accurate by conducting extensive research and analysis on the current job market and industry trends. Overall, the Making career choices project aims to assist students in making the right career choices by providing them with accurate and relevant information. The project helps to bridge the gap between academic learning and real-world job opportunities, and it empowers students to take charge of their future careers.

MODULES OF THE PROJECT:

It shows the steps followed by system at the time of execution. It shows the successful working of the system.

Step 1: Start

Step 2: User sign in with Google firebase

Step 4: After getting access user is able to give the common test

Step 5: After Completion of exam user can get it Result as per response

Step 6: The result will be displayed in the form of percentage.

Step 7: It shows the best stream that matches to the user interest.

Step 8: And then the system will show the career choice paths

Step 9: User can Log out

Step 10: Stop

5. System Architecture

A System Architecture is the conceptual model that defines the structure, behavior, and more views of a system, and architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and Assistant architecture can comprise system components

This proposed system consists of the following parts:

- 1) Registration: The admin will register the valid user by verifying the required details of the user, and will enter the user data in the database and will provide user with login credentials.
- 2) Login: After successful registration, the user can log in to the application by the registered user id and password. On successful login, the user will be again validated by the database.
- 3) Give the Common test: After successful login, the user can give the common test.
- 4) Result Displayed: After successfully giving the test the, the result will be displayed in the form of percentage
- 5) Choice the career path: According to the test result the system will show the career choice paths.

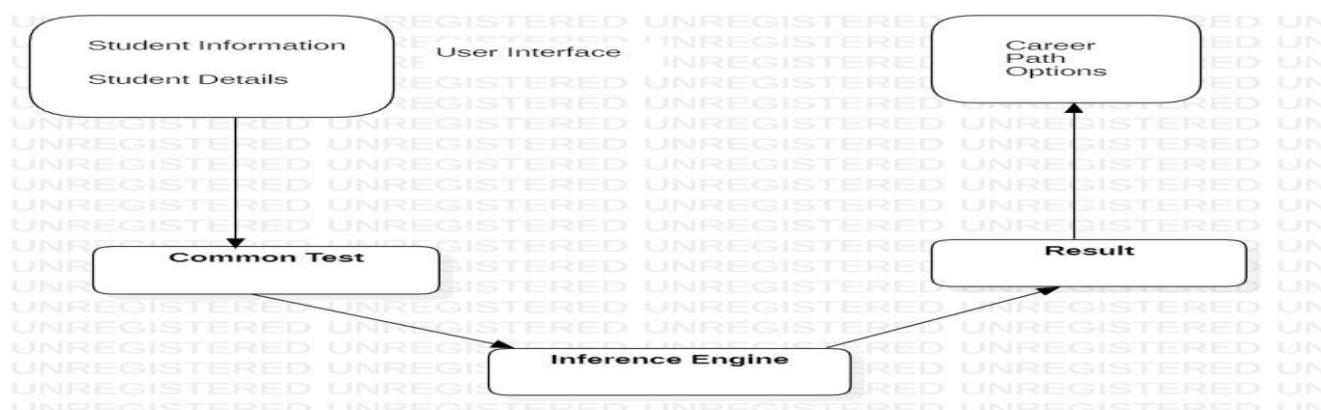


Fig 1.1 System Architecture

6. Result and Analysis

Once user has completed the test, the system will analyze users answers and present with the results in the form of bar graph. This will give a clear idea of user interests and strengths.

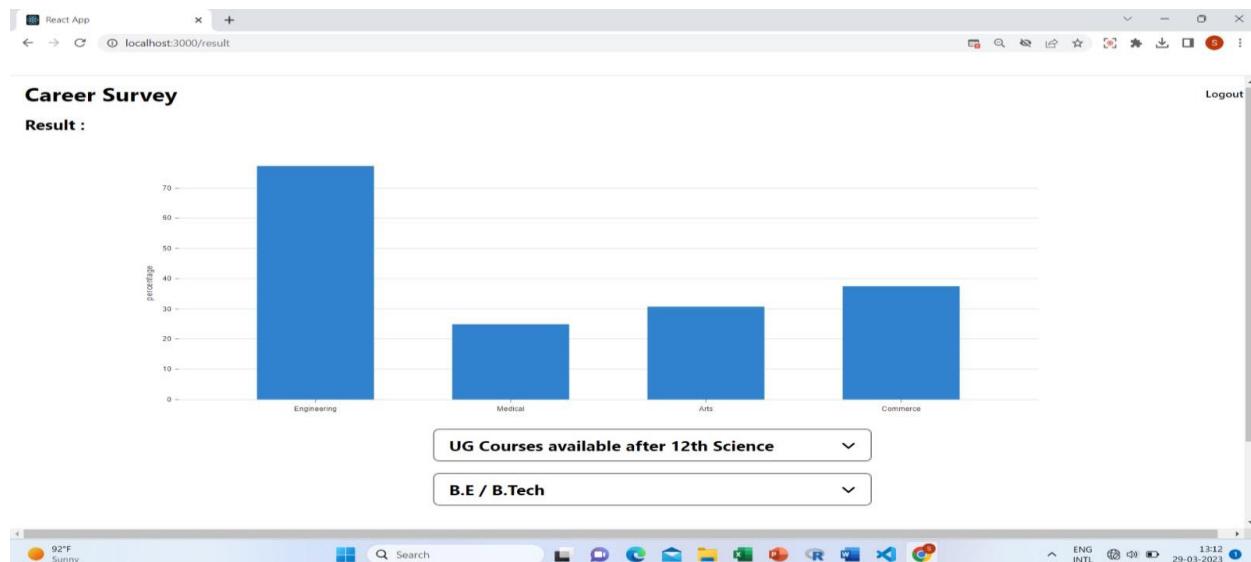


Fig 1.2 Selection Of Career

As a new user, they can sign in to the system using their Google account. Once user have successfully signed in, user information will be stored in Google Firebase for secure storage and access. After signing in, user can take the common interest test to help them identify their areas of interest. This test is designed to help student to choose a suitable career path based on their preferences. During the test, user will be presented with a series of questions and given a set of options to choose from. User should select the options that best reflect their interests and preferences. Once student have completed the test, the system will analyze their answers and present with the results in the form of a graph with percentages. This will give student a clear idea of their interests and strengths. Based on their test results, the system will suggest various career paths that match student interests and strengths. Student can then choose the career path that best aligns with their preferences and aspirations. Hope that this system will help them to make decisions about student future career choices and lead them towards a fulfilling and satisfying career.

7. Conclusion:

Here it is discussed that the challenges associated with manual career guidance system and have developed a website career guide information system for students after secondary school. This will remove the problem of lack of speedy and ready access to information of subject combinations that can lead to various career choices. Making the students to be the architect of their careers this system will be helpful. After giving common test it become easy for the secondary students to find out career option as per their interest.

8. References:

- 1) Kimberly A.S. Howard "Children's Conceptions of Career Choices And Attainment" June 2011
- 2) Mubashir Zafar "Career Guidance in Career Planning among Secondary School Students" July 2019
- 3) Mohammad Hazim Amir Nordin "Exploring Children's Career Planning Through Career Guidance Activities" June 2021
- 4) N.VidyaShream And Dr. A. Muthukumaravel "Student Career Prediction Using Machine Learning" June 2021