



# A REVIEW PAPER ON AN INNOVATIVE APPROACH FOR CAREER USING CAREER ROADMAP PROVIDER

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**Abstract:** In today's world a lot of people are a bit confused about the field which they need to choose as their career, and even if some people are clear about their goals they don't have an actual path which they need to follow to become a professional in their field. There are several articles available on the internet which will provide you information regarding your career but it is very vast and the user interface is not much attractive and precise for the users. Along with that several new fields are emerging in the world around us about which people are not much aware and even the search engines don't have much information about it. Hence we are developing a "Career Roadmap Provider" which is a website that will provide our users a detailed roadmap regarding the particular field which they have searched for. The roadmap will include the field description, different available opportunities within that field, the companies that the user can apply for, required skills and other necessary information. This will clear the confusion that several users are having regarding their particular field by providing them a complete and precise Career Roadmap.

**Index Terms - Roadmap, career, guidance, fields, discover.**

## I. INTRODUCTION

"Career Roadmap Provider" is a website, which is one-stop shop for all those who are navigating a path for their career. Our website provides in-depth information and roadmaps for a wide range of professions, whether you're a new graduate exploring your possibilities or a seasoned professional looking to pivot. Begin your journey of discovery by receiving important descriptions, and step-by-step roadmaps to help you reach your professional goals. Your path to success begins here. It might be difficult to navigate the professional world, but our user-friendly interface makes it easier than ever to explore numerous career choices. We've rigorously gathered data on everything from needed certifications and abilities to prospective growth possibilities to help you make informed selections. Our mission is to provide you with the knowledge you need to confidently pursue your dreams. Begin your journey towards success today with our comprehensive and accessible "Career Roadmap Provider". After signing up on our website the user will be redirected on a new page. This page will consist of different available fields which the user wants to search. After selecting the field the user will receive a well detailed page about their field which will include the field description, different available job roles within that field, the companies that will hire them, the required skills and some extra features of our website. These detailed roadmaps designed by us will help them to enhance their career and will also take them on a new level which will enhance their career. There are hundreds of different articles on the internet but none of them is providing the complete information, and looking at these many articles people get confused about which one they should follow because of which the consistency which they need to maintain is broken. Therefore we think that a trustworthy website is needed where people can search about their field in which they want to pursue their career. If the field that the user has searched for is not available on our website then we will ask them enter the name of the field or area in which they are interested and through their email it will be sent to us, and within twenty four hours we will provide that user the complete information or roadmap which they need to follow.

## II. LITERATURE

1] Career Guidance Web Application:-

This technique aids in assisting students in selecting the right field of study. They will be collecting information from them for that purpose, primarily pertaining to the user's credentials, areas of interest, and other academic-related details. It will be a little bit easier for pupils because it will provide a list of institutions based on that basis. Additionally, it will guarantee that the public is informed of the job openings promptly, allowing candidates to apply within the allotted period and get ready for the position. This system helps in searching the vacancies around on the bases of one's qualification and teaching experience. To further facilitate the user, the data is even filtered based on subject and location. In a word, the goal of this project is to assist instructors and students in locating the best schools, programs, and employment available in relation to their needs and circumstances.

## 2] Career Guidance System Using Ensemble Learning:-

In order to help students looking for possibilities, this study suggests an automated approach that uses ensemble learning to forecast a good employment vocation in the software business. This system considers each student's interests and personality in addition to their academic performance. In order to compare the analysis among the models and select the best model, on the dataset, they employed three distinct machine learning techniques. The results predict says the most effective algorithm is the random forest in terms of performance parameters. The main theme of this research work is to develop an application for assisting the students with career related problems as well as providing a proper and easy E-learning platform which could help them learning more through this platform. The methodology used consists of various classification algorithms that are used in machine learning. The algorithms are called Decision Tree, Random Forest and Voting classifier.

## 3] Web Based Career Guidance System:-

It's a strategy to provide pupils the right direction by suggesting jobs for them to pursue after finishing grades ten and twelve. Based on their performance on the aptitude exam, the students are assessed, and they receive the right career assistance to help them reach their full potential. Several data mining algorithms have been applied in this system to improve visualization. The data is even filtered by subject and region to further assist the user. To put it succinctly, this project aims to help educators and learners find the best programs, jobs, and educational opportunities for their needs and situations. This system was created to help students understand anything that was unclear to them. The aptitude test is divided into several elements, including logical, quantitative, and it's a tactic to give students the proper path by recommending careers they should pursue after completing grades 10 and twelve. The students are evaluated based on how well they performed on the aptitude test, and they are given the appropriate career guidance to enable them to realize their greatest potential. Students who pass the test will receive a report that includes a thorough analysis of the exam as well as a recommendation for a suitable job. After that, the students can use this website to learn more about this specific career opportunity. On this website, students may also browse all the colleges for that specific field, along with information on fees, ratings, and the city in which each college is located. For improved visual analysis, they have employed the k-means data mining algorithm, which provides a pictorial representation. The result of the same is saved in the backend and shown to the user once more in the frontend.

## III. METHODOLOGY

The proposed website is one time solution for all the individuals as it provides sorted information according to user's requirement. A website is a collection of related web pages accessible through the internet under a common domain name. It typically contains text, images, multimedia, and hyperlinks, allowing users to navigate and interact with the content using a web browser. Here is what a typical website flow looks like:

1. A user types a website address (URL) into a browser.
2. The browser finds the website's IP address through DNS.
3. The browser sends a request to the web server for the site's content.
4. The server processes the request, retrieves data, and generates the web page.
5. The server sends back the web page as an HTTP response.
6. The browser interprets and displays the web page.
7. The user interacts with the web page, triggering more requests if needed. In essence, a User's request prompts the server to send back the web page, which the browser then displays for the user. So the user first lands at the home page of the website and later on create their own account on the website. After successfully creating their own account users will log in on the website which will bring them to the main page of the website where they can search the field in which they want to pursue their career. After clicking on the search button the website will provide them a combination of important content and images providing them the required information which they requested for.

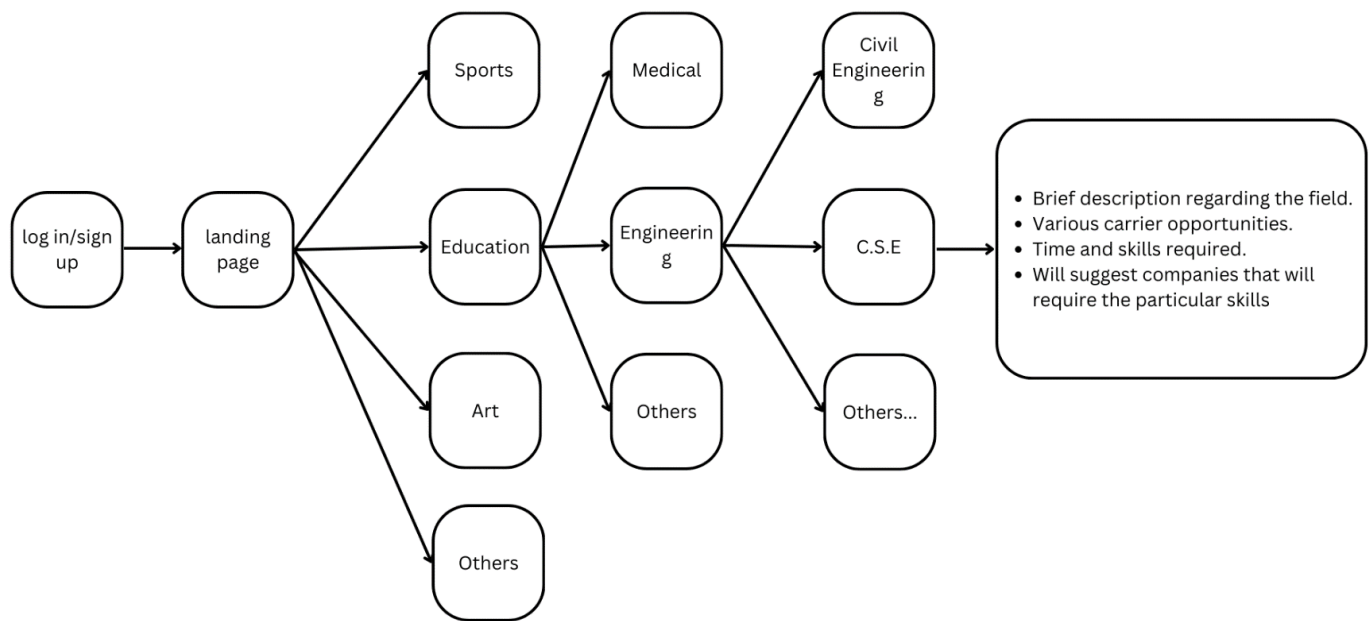


Fig. work flow

#### IV. CONCLUSION

An individual who is trying to build his/her own career will have a clear idea about what they need to do to pursue their career as they will have a roadmap with them. People will get a trustworthy website where they can search about the roadmap they need to know about their career. It will increase the employment rate in our country as people will be gaining more and more knowledge and will become eager to learn new things. It will save a lot of time to all those individuals who are surfing on the internet through hundreds of websites and 'Profession Hub' will become a one stop destination for them. Kids under the age of 10 to 15 will have an opportunity to discover new areas and fields of Education, Arts etc. which will provide them a clear vision of their goals. People will become more aware about several other fields and interests that they can discover to convert their hobbies into a profession. People will be able to maintain the consistency they need to become a job ready professional.

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