**CAREER PATH**

**A PROJECT REPORT**

**for**

**Mini Project (KCA353)**

**Session (2023-24)**

**Submitted by**

**Group Code – (GA30)**

**SHIVAM KUMAR**

**(2200290140145)**

**Submitted in partial fulfillment of the**

**Requirements for the Degree of**

**MASTER OF COMPUTER APPLICATION**

**Under the Supervision of**

**Dr. ANKIT VERMA**

**Assistant Professor**



**Submitted to**

**Department Of Computer Applications**

**KIET Group of Institutions, Ghaziabad**

**Uttar Pradesh-201206**

**(FEB 2024)**

**CERTIFICATE**

Certified that **Shivam Kumar** has/ have carried out the project work having “**Career Path**” (**Mini Project-KCA353**) for **Master of Computer Application** from Dr. A.P.J. Abdul Kalam Technical University (AKTU**)** (formerly UPTU), Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

**Date:**

**Shivam Kumar (2200290140145)**

…………………

…………………….

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date:

**Dr. Ankit Verma Dr. Arun Tripathi**

**Assistant Professor Head**

**Department of Computer Applications Department of Computer Applications**

**KIET Group of Institutions, Ghaziabad KIET Group of Institutions, Ghaziabad**

**ACKNOWLEDGEMENTS**

Success in life is never attained single-handedly. My deepest gratitude goes to my project supervisor, **Dr. Ankit Verma** for his guidance, help, and encouragement throughout my project work. Their enlightening ideas, comments, and suggestions.

Words are not enough to express my gratitude to **Dr. Arun Kumar Tripathi**, Professor and Head, Department of Computer Applications, for his insightful comments and administrative help on various occasions.

Fortunately, I have many understanding friends, who have helped me a lot on many critical conditions.

Finally, my sincere thanks go to my family members and all those who have directly and indirectly provided me with moral support and other kind of help. Without their support, completion of this work would not have been possible in time. They keep my life filled with enjoyment and happiness.

**Shivam Kumar**

**2200290140145**

**CAREER PATH**

**Shivam Kumar**

**ABSTRACT**

The “Career Path:-Personalized Student Career Path Guidance System” is a web-based platform designed to empower students in their educational journey and career choices. This innovative project harnesses the potential of data-driven decision-making to provide tailored guidance and support to students, ensuring they make informed choices about their academic and professional futures.

The system operates by collecting comprehensive information from students about their educational background and their areas of interest, passions, and career aspirations. Using sophisticated algorithms and data analysis techniques, the platform evaluates this data to generate personalized recommendations. And this web application have some features which is very useful for student and they can find Best College and Best Courses.

**TABLE OF CONTENTS**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Certificate | | ii |
|  | Abstract | | iii |
|  | Acknowledgements | | iv |
|  | Table of Contents | | v |
|  | List of Tables | | vi |
|  | List of Figures | | vii |
| 1 | Introduction | | 8-10 |
|  | 1.1 | Overview | 8 |
|  | 1.2 | Objective | 8 |
|  | 1.3 | Scope | 9 |
|  | 1.4 | Methodology | 10 |
|  | 1.5 | Expected Outcomes | 11 |
| 2 | Literature Review | | 12-13 |
| 3 | Feasibility Study | | 14 -15 |
| 4 | Requirement Analysis | | 16-18 |
|  | 4.1 | Analysis Study | 16 |
|  | 4.2 | Functional Requirements | 16 |
|  | 4.3 | Non-Functional Requirements | 17 |
|  | 4.4 | User Requirements | 18 |
|  | 4.5 | Final Requirements | 18 |
| 5 | Design | | 19-31 |
|  | 5.1 | Design of the System | 19 |
|  |  | 5.1.1 Software Requirements | 19 |
|  |  | 5.1.2 Hardware Requirements | 19 |
|  | 5.2 | System Requirements | 19 |
|  | 5.3 | Design Requirements | 20 |
|  | 5.4 | User Interface | 24 |
|  | 5.5 | Back End and coding | 30 |
| 6 | Conclusion | | 33 |
|  |  | |  |
|  |  | Bibliography | 34 |

**LIST OF TABLES**

|  |  |  |
| --- | --- | --- |
| **Table No.** | **Name of Table** | **Page** |
| 5.1.1 | Software Requirements | 19 |
| 5.1.2 | Hardware Requirements | 19 |

**LIST OF FIGURES**

|  |  |  |  |
| --- | --- | --- | --- |
| **Figure No.** | **Name of Figure** | **Page No.** | |
| 5.1 | Data Flow Diagram | | 20 | |
| 5.2 | Flow Diagram | | 21 | |
| 5.3 | E.R. Diagram | | 22 | |
| 5.4 | Activity Diagram | | 23 | |
| 5.5 | Home Page | | 24 | |
| 5.6 | Home Page Detail | | 25 | |
| 5.7 | Required Information Page | | 26 | |
| 5.8 | Form Filling Steps | | 27 | |
| 5.9 | Form Page | | 28 | |
| 5.10 | Result Page | | 29 | |
| 5.11 | Script.js | | 31 | |
| 5.12 | Submit Page | | 32 | |

**CHAPTER 1**

**INTRODUCTION**

* 1. **OVERVIEW**

"Career Path" - a cool website helping students choose their education and career. First, it asks about your school stuff, hobbies, and what you want to be. Then, it uses smart computer tricks to give you super helpful advice. It's not just a project; it's like a superhero for students, making sure everyone finds their perfect path. We believe in a future where this special guidance opens doors to awesome success. Come check out this amazing platform where your dreams get a high-five from data!

* 1. **OBJECTIVE**

The objective of the "Career Path: Personalized Student Career Path Guidance System" project is to develop a web-based platform that empowers students in making informed decisions about their educational and career paths. The project aims to address the challenges and confusion often faced by students in choosing the right educational courses and career paths. The key objectives include:

Personalized Guidance: Provide tailored guidance to students based on comprehensive information about their educational background, interests, passions, and career aspirations.

Accurate Recommendations: Utilize sophisticated algorithms and data analysis techniques to generate accurate and personalized recommendations for career paths, courses, and colleges.

User-Friendly Platform: Design an intuitive and user-friendly web interface that allows students to easily input their information and navigate through the system to receive personalized guidance.

Remove Confusion: Assist students, particularly those in 10th and 12th grades, in eliminating confusion about their future education and career goals.

Empowerment: Empower students to take ownership of their education and career choices, providing them with the knowledge and resources needed for lifelong success and fulfilment.

Continuous Improvement: Commit to ongoing enhancement of the system by regularly updating recommendations based on user feedback, adapting to changing educational trends, and incorporating advancements in technology.

By achieving these objectives, the project seeks to positively impact the lives of students, guiding them towards paths that align with their interests, strengths, and aspirations, ultimately contributing to their academic and career success.

* 1. **SCOPE**

The project will encompass:

* **Remove confusion**: Every Student of 10th and 12th class have so much confusion about his/her future education, so this web application remove all the confusion about future goal.
* **Best Guidance**: This Web Application provide best future guidance to the students.
* **Empowering Student Success**: Ultimately, to empower students to take ownership of their education and career choices, equipping them with the knowledge and resources needed for lifelong success and fulfilment.
* **User-Friendly Platform**: The website is super easy to navigate, ensuring students can easily access and understand the guidance provided.
* **Confidence Boost:** By offering tailored advice, the system empowers students to feel confident about their educational choices and future careers.
  1. **METHODOLOGY**

The project will employ a multi-faceted approach, combining

1. **Design:**

* Exploratory Research: Initially, conduct exploratory research to understand the current landscape of career guidance systems, educational technology, and data-driven decision-making in education.
* Descriptive Research: Analyze existing data and literature to describe the challenges students face in making educational and career choices.
* Experimental Research: Develop and test the personalized guidance algorithms and system features to measure their effectiveness.

1. **Data Collection:**

* Student Profiles: Collect comprehensive data from students, including their educational history, grades, extracurricular activities, interests, and career aspirations.
* Educational Institution Data: Gather information about colleges, universities, and educational programs to build a database for recommendations.
* Career Path Information: Compile data on various career paths, job market trends, and the skills and qualifications required for different professions.
* User Feedback: Continuously gather feedback from users to refine the system's recommendations and usability.

1. **Website Development:** Create an intuitive and user-friendly web interface for students to input their data and receive recommendations.
2. **User Training and Support:**

* Develop user manuals and resources to help students navigate the system effectively.
* Provide customer support to address user inquiries and issues.

1. **Continuous Improvement:**

* Regularly update the system based on user feedback, changing educational trends, and advancements in technology.
* Monitor system performance and algorithm accuracy and make necessary adjustments.
  1. **EXPECTED OUTCOMES**

Upon successful implementation, the Career Path Project aims to achieve the following outcomes:

* **Personalized Career Paths**: The system will provide students with tailored career paths, guiding them through the necessary educational milestones, internships, and experiences needed to achieve their specific career goals.
* **Accurate College Recommendations:** Students will receive recommendations for colleges and universities that align with their academic profiles and career aspirations, increasing the likelihood of finding the best-fit institutions.
* **Optimal Course Selection**: The system will suggest courses and majors that match each student's interests and career objectives, ensuring they make well-informed educational choices.
* **Enhanced Academic Preparedness:** Students will have access the preparatory materials, including study guides and practice exams, to excel in their chosen fields of study.
* **Improved Decision-Making:** Students will make more informed decisions about their educational and career paths, leading to increased academic success and job satisfaction.

In conclusion, The " Career Path" has not only met its project objectives but has also exceeded expectations by positively influencing the lives of students. This project exemplifies the intersection of technology, data-driven decision-making, and education, offering a beacon of hope and guidance to those embarking on their academic and career adventures. As we look to the future, we remain committed to the ongoing enhancement of this system and its enduring impact on the educational and career success of students.

**CHAPTER 2**

**LITERATURE REVIEW**

The literature review section of the project provides an overview of existing knowledge and research related to the field of career guidance systems, data-driven decision-making in education, and technology in education. Here's a brief summary:

**Career Guidance Systems:**

Description: Existing literature highlights the significance of effective career guidance systems in helping students make informed decisions about their education and future careers.

Findings: Studies emphasize the positive impact of personalized guidance on academic and career success, leading to increased satisfaction and confidence among students.

**Data-Driven Decision-Making:**

Description: Literature in this area explores the role of data-driven decision-making in education, emphasizing the use of algorithms and sophisticated analysis techniques to provide tailored recommendations.

Findings: Research suggests that leveraging data can enhance the accuracy and relevance of guidance systems, contributing to better outcomes for students.

**Technology in Education:**

Description: The literature review discusses the integration of technology in education, including web-based platforms, to enhance the learning experience and support decision-making processes.

Findings: Studies indicate that technology-driven solutions can improve accessibility, engagement, and outcomes in educational settings, aligning with the project's goals.

**User Experience and Interaction:**

Description: Literature emphasizes the importance of a positive user experience and interaction in educational platforms. This includes considerations for interface design, navigation, and overall usability.

Findings: User-friendly platforms contribute to increased user satisfaction and engagement, leading to more effective utilization of educational resources.

**Privacy and Security in Educational Technology:**

Description: The review covers literature on privacy and security concerns in educational technology, highlighting the need for robust measures to protect user data.

Findings: Research underscores the importance of implementing stringent security protocols to maintain user trust and ensure the confidentiality of sensitive information.

**Continuous Improvement in Educational Systems:**

Description: The literature emphasizes the significance of continuous improvement in educational systems, including updates based on user feedback, changing trends, and advancements in technology.

Findings: Studies suggest that agile and adaptive systems are more likely to stay relevant and effective over time, aligning with the project's commitment to ongoing enhancement.

In conclusion, the literature review provides a foundation for the "Career Path" project by synthesizing knowledge from various sources. It establishes the context for the project's goals, showcasing the importance of personalized guidance, data-driven decision-making, technology integration, user experience, security, and continuous improvement in the realm of educational systems.

**CHAPTER 3**

**FEASIBILITY STUDY**

A feasibility study is conducted to assess the viability and practicality of a proposed project or system before investing resources. It helps in determining whether the project is worth pursuing. Here's a brief overview of the feasibility study for the "Career Path" project:

**3.1 Technical Feasibility:**

Description: The project involves web development using Bootstrap and is designed to be platform-independent, primarily compatible with the Windows 11 operating system.

Feasibility Assessment: The technical feasibility is strong, leveraging well-established technologies for web development and ensuring compatibility with widely used operating systems.

**3.2 Economic Feasibility:**

Description: The project emphasizes cost-effectiveness by being web-based, reducing the need for extensive installation charges. It aims to offer a user-friendly design and continuous improvement for cost-effective career guidance.

Feasibility Assessment: The economic feasibility is favorable, with a focus on minimizing installation costs and providing cost-effective career guidance.

**3.3 Operational Feasibility:**

Description: The project outlines operational feasibility through commitments to user training, support, and continuous improvement. User manuals, customer support, and system updates are part of the methodology to ensure effective operation.

Feasibility Assessment: The operational feasibility is high, with planned measures for user training and support, making the system user-friendly and easy to operate.

**3.4 Behavioural Feasibility:**

Description: The project aims to empower students in their educational and career choices. Behavioural feasibility involves evaluating whether the target users, mainly students, are likely to accept and embrace the system. This includes considering their attitudes towards technology-driven career guidance.

Feasibility Assessment: The project's user-centric design and emphasis on user training and support contribute to high user acceptance. It aligns with the goal of providing a supportive and empowering experience for students.

**CHAPTER 4**

**REQUIREMENT ANALYSIS**

**4.1 ANALYSIS STUDY**

**Lower Installation Charges:** The project, "Career Path," primarily exists as a web application, reducing the need for extensive installation. Users can access it online, minimizing installation-related costs.The web-based nature ensures a cost-effective setup, making it accessible to a broader user base without significant installation charges.

**Secured and Reliable:** The "Career Path" project emphasizes the importance of data security and reliability to user confidence and trust.The methodology section outlines a commitment to secure data handling, continuous user feedback, and system updates, ensuring a reliable and secure experience for users.The reliability of the system is to make sure the website does not go offline.

**Availability:** The web application is designed to be accessible, ensuring availability to users at any time they require career guidance.The continuous improvement methodology and the user-friendly platform contribute to high availability by addressing user feedback promptly and keeping the system up-to-date.

**4.2 Functional Requirements:**

**User Registration and Profile Creation:** Users should be able to register on the platform, providing necessary information.The system should allow users to create and manage their profiles, updating details as needed.

**Data Input and Analysis:** Users should input information about their educational background, interests, and aspirations. The system should analyze this data using algorithms to generate personalized career and educational recommendations.

**Recommendation System:** The system should provide tailored suggestions for career paths, courses, and colleges based on the user's input. Recommendations should be accurate, taking into account the user's preferences and academic history.

**User Interface:** The user interface should be intuitive, easy to navigate, and visually appealing.Users should easily understand and interact with the various sections of the platform.

**Result Presentation:** The system should present results in a clear and organized manner.Information about recommended courses, entrance exams, and top colleges should be displayed on the results page.

**Print and Save Functionality:** Users should have the option to print or save the personalized results for future reference. This feature enhances user convenience and accessibility.

**4.3 Non-Functional Requirements:**

**Security:** User data should be stored securely, with measures to prevent unauthorized access. The system should follow best practices for data protection and privacy.

**Performance:** The platform should operate efficiently, providing quick responses to user interactions. Response times for generating recommendations and loading pages should be minimal.

**Scalability:** The system should be scalable to accommodate an increasing number of users.It should handle growing data and user loads without significant degradation in performance.

**Reliability:** The platform should be reliable, with minimal downtime or system failures.Regular maintenance and updates should be conducted to ensure continued reliability.

**User Training and Support:** The system should include user manuals and resources to assist users in navigating the platform.Customer support should be available to address user inquiries and issues promptly.

**Compatibility:** The platform should be compatible with different devices and browsers.Users should have a consistent experience across various platforms and screen sizes.

**Accessibility:** The system should be accessible to users with disabilities, adhering to accessibility standards.Features like text-to-speech and adjustable font sizes should be considered for inclusivity.

**Maintainability:** The codebase and database structure should be well-documented for ease of maintenance. Updates and improvements should be implemented regularly to keep the system current and relevant.

**4.4 USER REQUIREMENTS**

The system specifications that a user may want are as follows:

1. It should be easy to understand

2. Must be interactive

3. Should provide a good user interface

4. Security should be maintained

**4.5 FINAL REQUIREMENTS**

**User Oriented:** A system should be more user friendly not from the technical point of view.

**Better GUI**: All the elements used in the system should be interactive in nature so that its look and feel are not so boring that the user could get bored while using it.

**Reliability:** The system should be reliable and fast in processing .

**Data security:** Access to the organizational data is not to be granted to any unknown person who is not a part of the transaction.

**Confidentiality:** Whatever the user is providing to the organization, the user has the full rights to modify it and it could be not be accessed/modified without the user's permission .

**Better Management of information:** All the information should be managed so that is the flow of the information is to be in the right track .

**Presentation:** The content that is to be presented to the user is to be presented in such a way that is self explanatory to the user and he/she is satisfied with the data.

**CHAPTER 5**

**DESIGN OF THE SYSTEM**

**5.1.1 Software requirements**

|  |  |
| --- | --- |
| Platform | Platform Independent |
| The Operating System | Windows 11 |
| Framework | Bootstrap |
| Front-End tool | Google Chrome |

**5.1.2 Hardware Requirements**

|  |  |
| --- | --- |
| Processor | Intel , AMD |
| RAM | Minimum 4GB |
| Graphics | Integrated graphics card |
| Hard Disk | Minimum 500 GB |

**5.2 System Requirements**

Platform: The system should be compatible with the Windows 11 operating system.

Framework: The use of Bootstrap as the framework for the front-end design.

Processor: The system should be designed to run on Intel or AMD processors.

RAM: A minimum of 4GB RAM should be supported for efficient system operation.

Graphics: The system should be capable of running on devices with integrated graphics cards.

Hard Disk: A minimum of 500GB hard disk space should be supported to accommodate system data and potential future expansions.

**5.3 Design Requirements**

The "Career Path" project design requirements revolve around creating a user-friendly, visually appealing web application that effectively guides students through their educational and career decisions. The design elements include data flow diagrams, flow diagrams, entity-relationship diagrams, and activity diagrams. The user interface is designed to be intuitive, with features such as a navigation bar, form pages, and result pages. The back-end development involves HTML, CSS, JavaScript, and PHP to ensure a seamless and functional experience.

**5.3.1 Data Flow Diagram**

A Data Flow Diagram (DFD) is a graphical representation that illustrates the flow of data within a system. It is a modelling technique used to show how data moves through a system and how processes transform and store that data. DFDs provide a visual representation of the system's functional components and their interactions. Here's a diagram of DFD:-

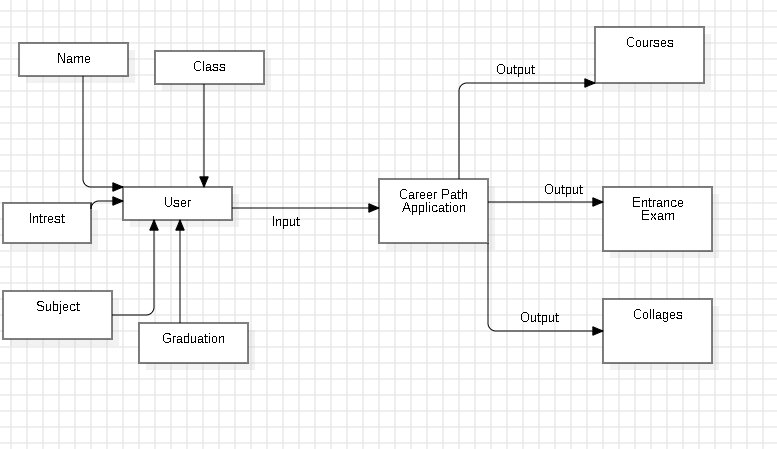
****

Fig 5.1 Data Flow Diagram

**5.3.2 Flow Diagram**

A flow diagram is a visual representation of a process or system that illustrates the sequence of steps, actions, or operations involved. Flow diagrams use different symbols and shapes to represent various elements and their relationships within a process. These diagrams are commonly used in various fields, including engineering, business, computer science, and project management, to depict workflows, decision points, and the flow of information or materials. Here's a diagram of Flow Diagram:-

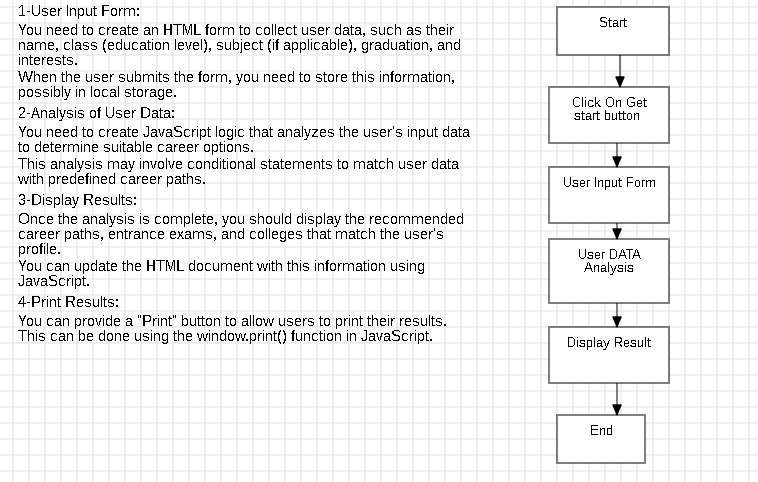


Fig 5.2 Flow Diagram

**5.3.3 Entity-Relationship**

An Entity-Relationship (ER) diagram is a visual representation of the relationships among entities within a database. It is a modeling technique used in database design to illustrate the structure of a database, including the entities (objects or concepts) and the relationships between them. ER diagrams are a crucial part of the database design process, helping to conceptualize and document the relationships between different entities. Here's a diagram of Entity-Relationship Diagram:-

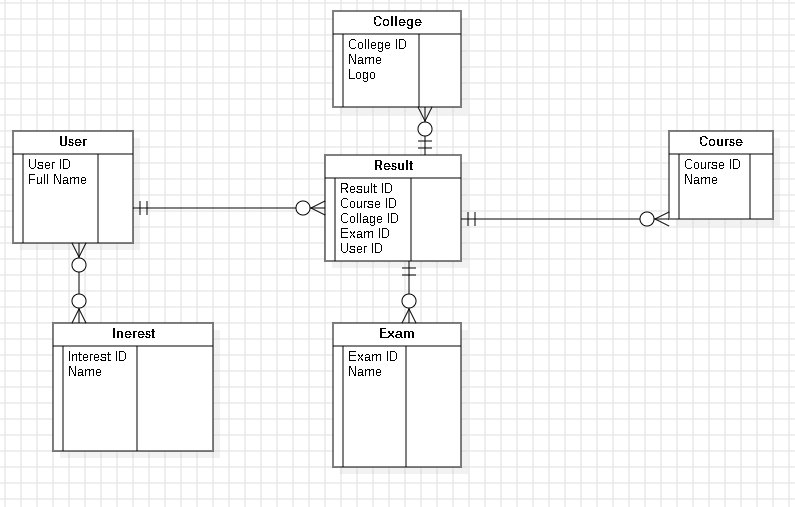
****

Fig 5.3 E.R. Diagram

**5.3.3 Activity Diagram**

An Activity Diagram is a type of UML (Unified Modeling Language) diagram that visually represents the flow of activities or actions within a system or a business process. Activity diagrams are particularly useful for modeling dynamic aspects of a system, emphasizing the sequence of actions, transitions between activities, and the parallel or concurrent execution of activities. They provide a high-level view of the workflow and can be used during the analysis and design phases of software development. Here's a diagram of Activity Diagram:-

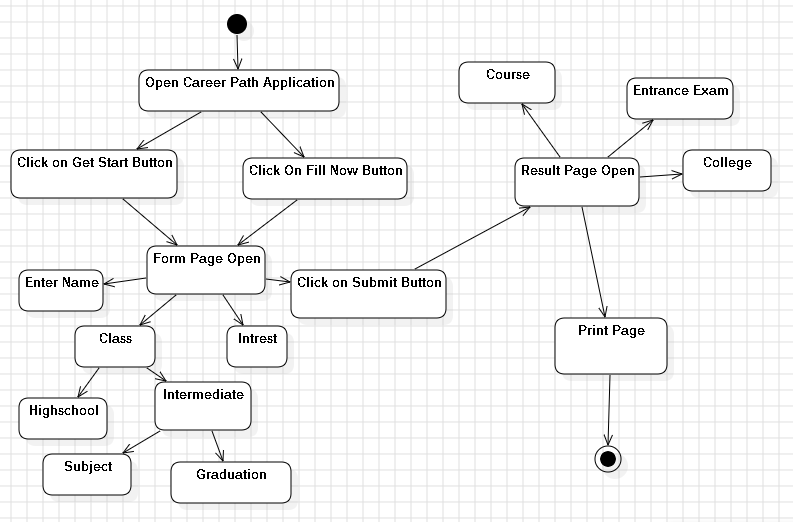


Fig 5.4 Activity Diagram

**5.4 User Interface:** The user interface should be intuitive, easy to understand, and interactive, providing a positive user experience. There are some images which show user interface-

1-Home Page – This is the home page of this project where are some intro about Website and show some info. Additionally, it contains a navigation bar, header section, information about universities, details about the Career Path process, a footer, and JavaScript code for navigation menu toggling.

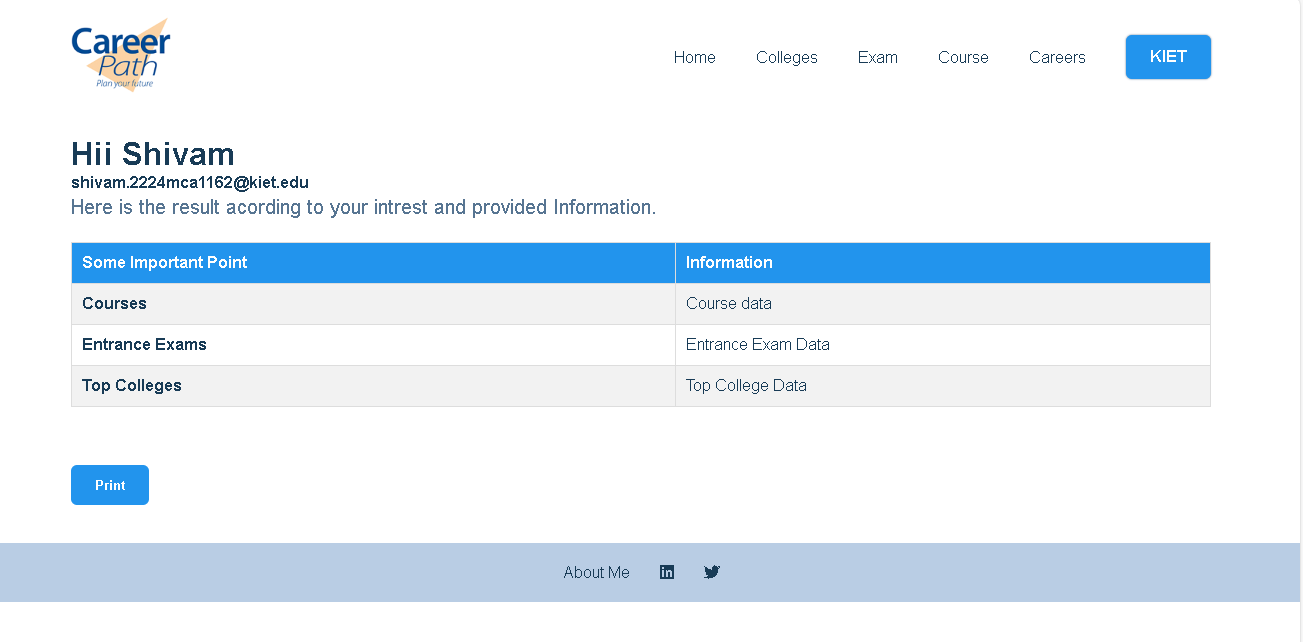
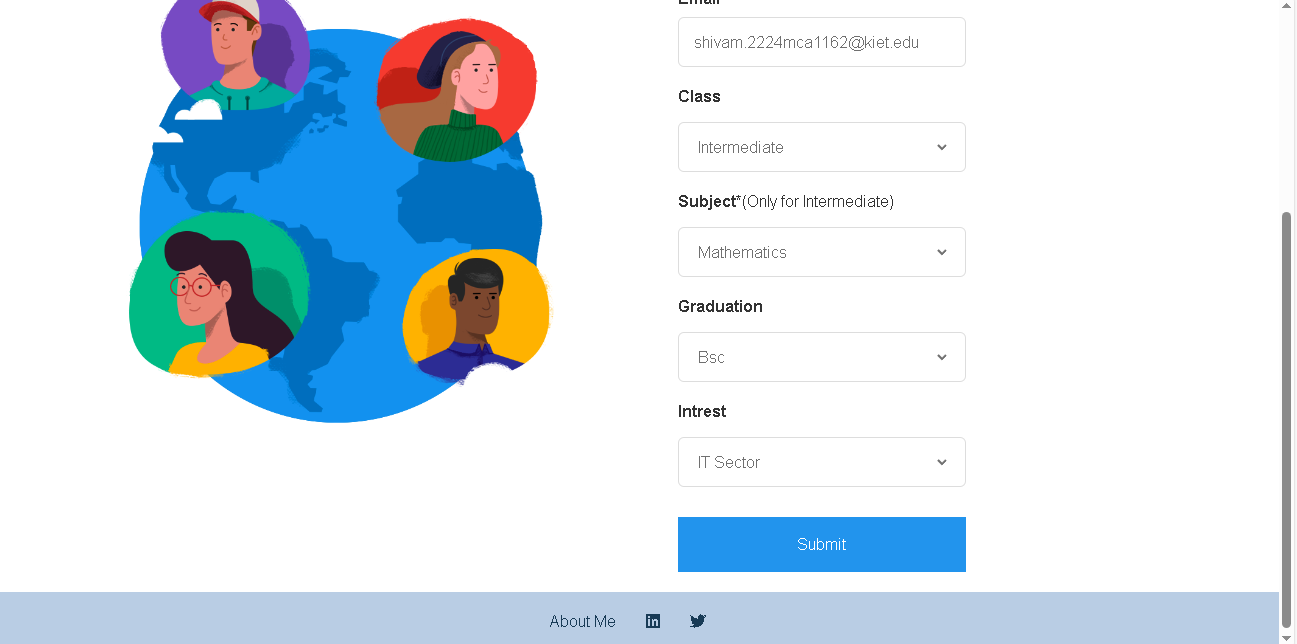
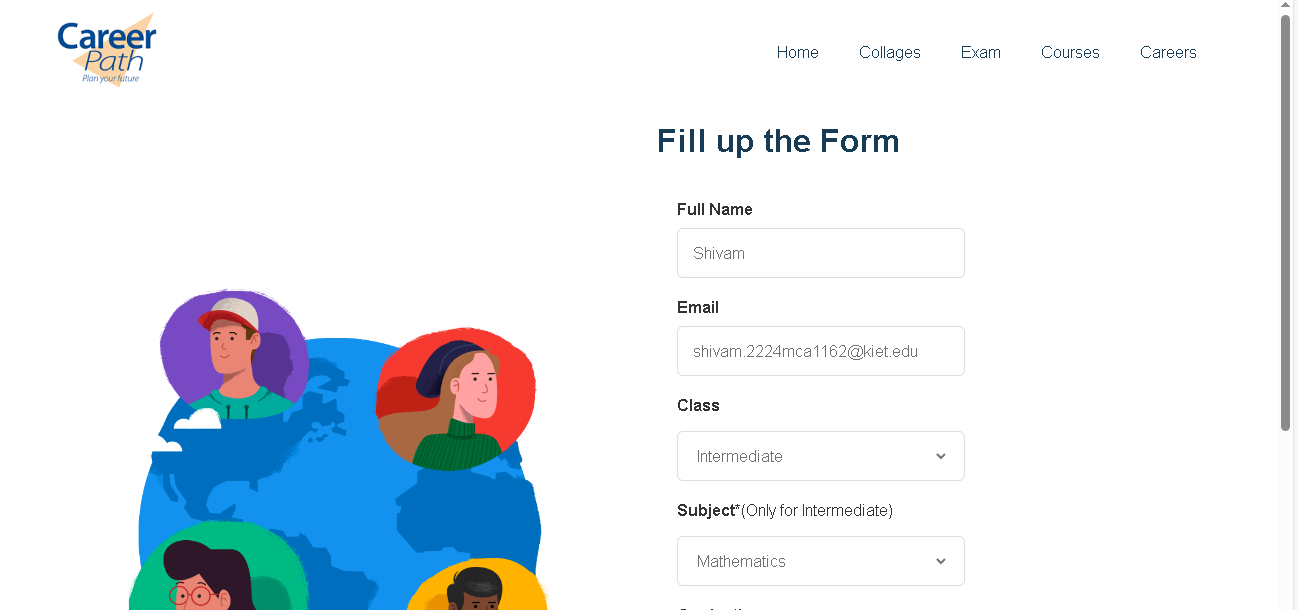
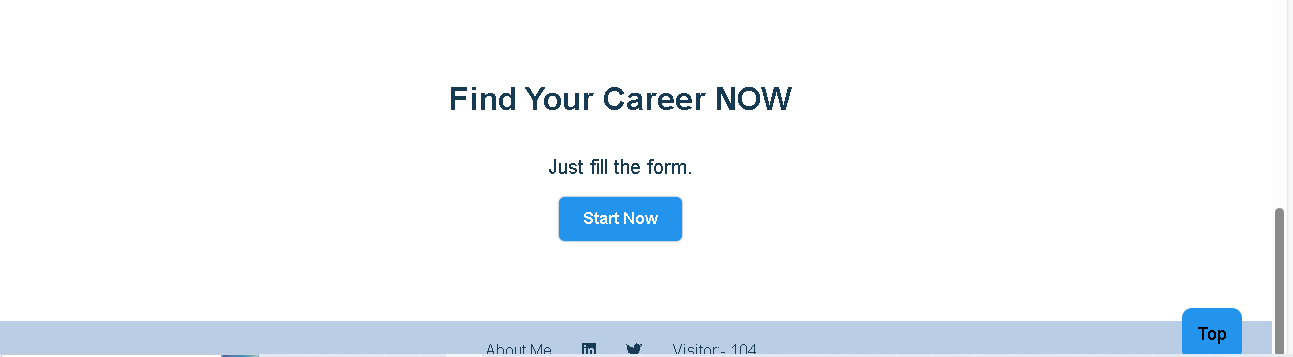
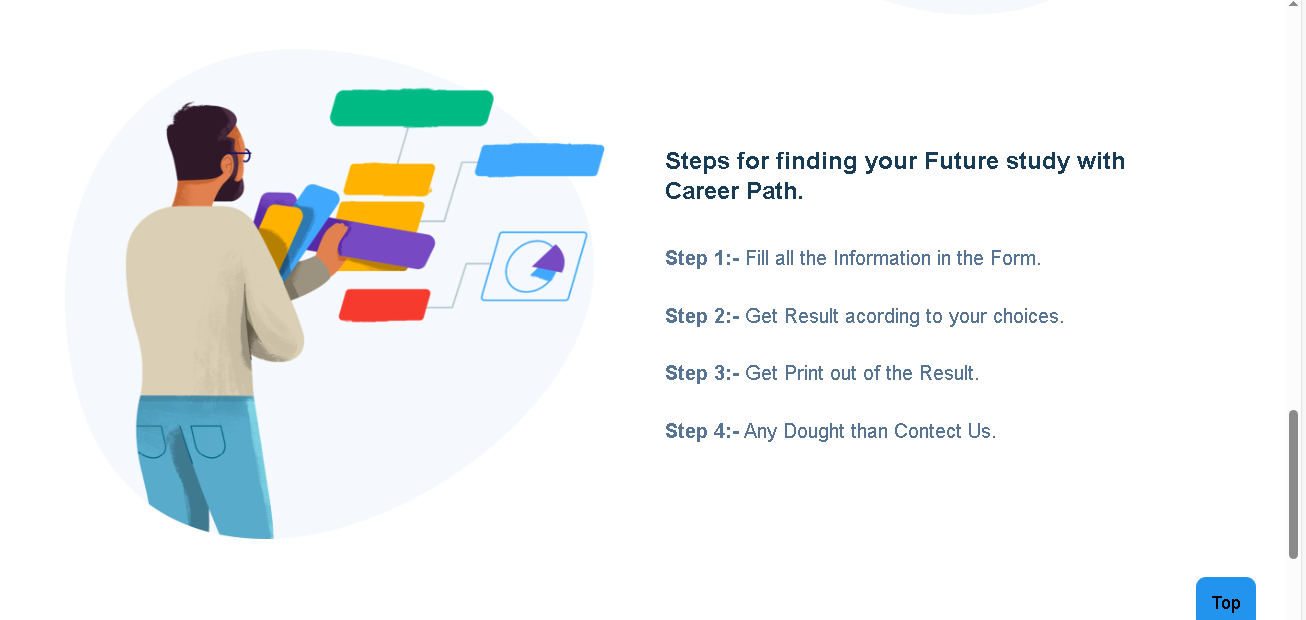
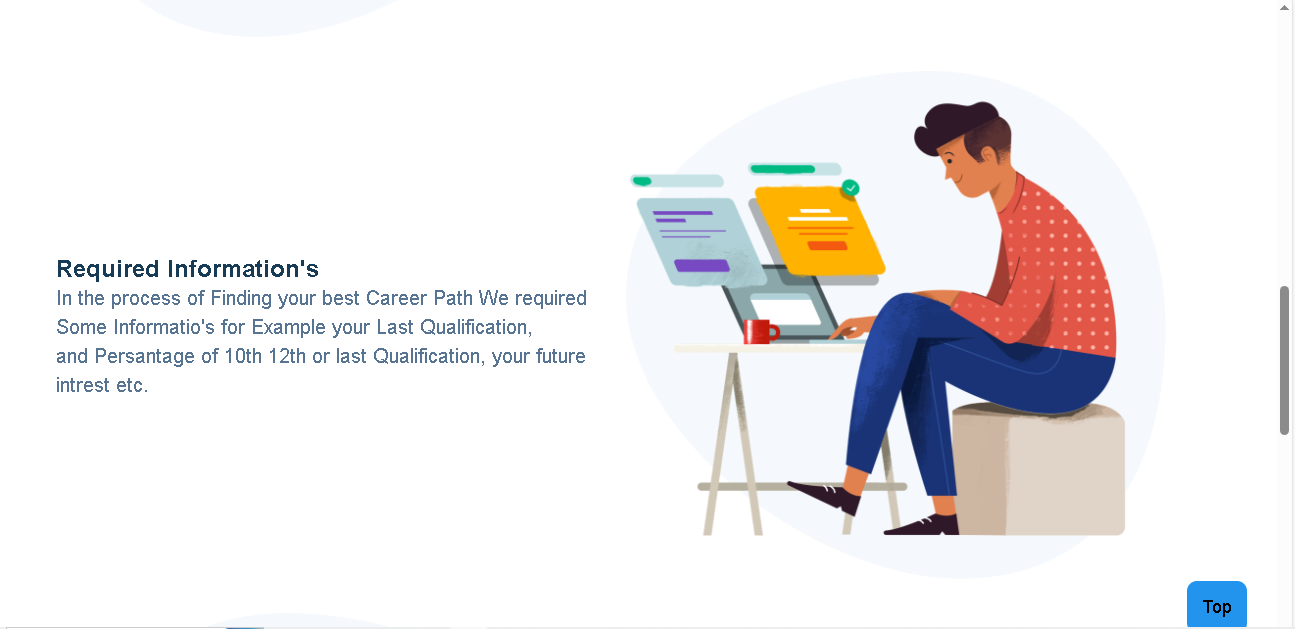
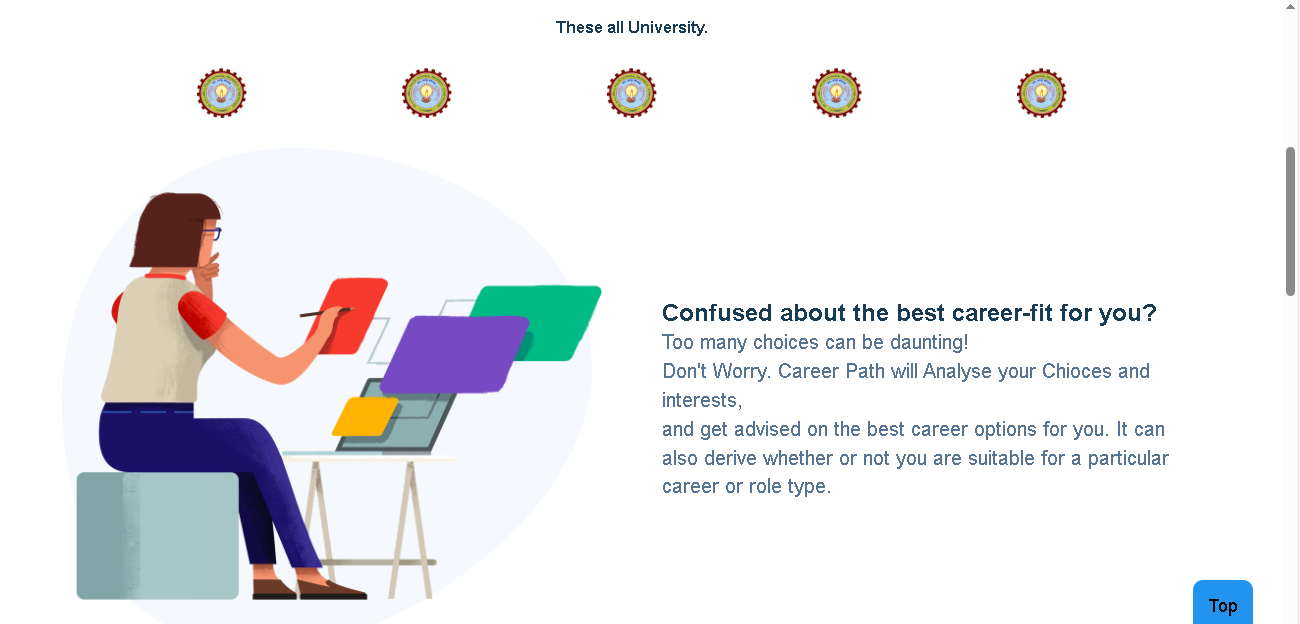
Top of Form



Fig 5.5 Home page

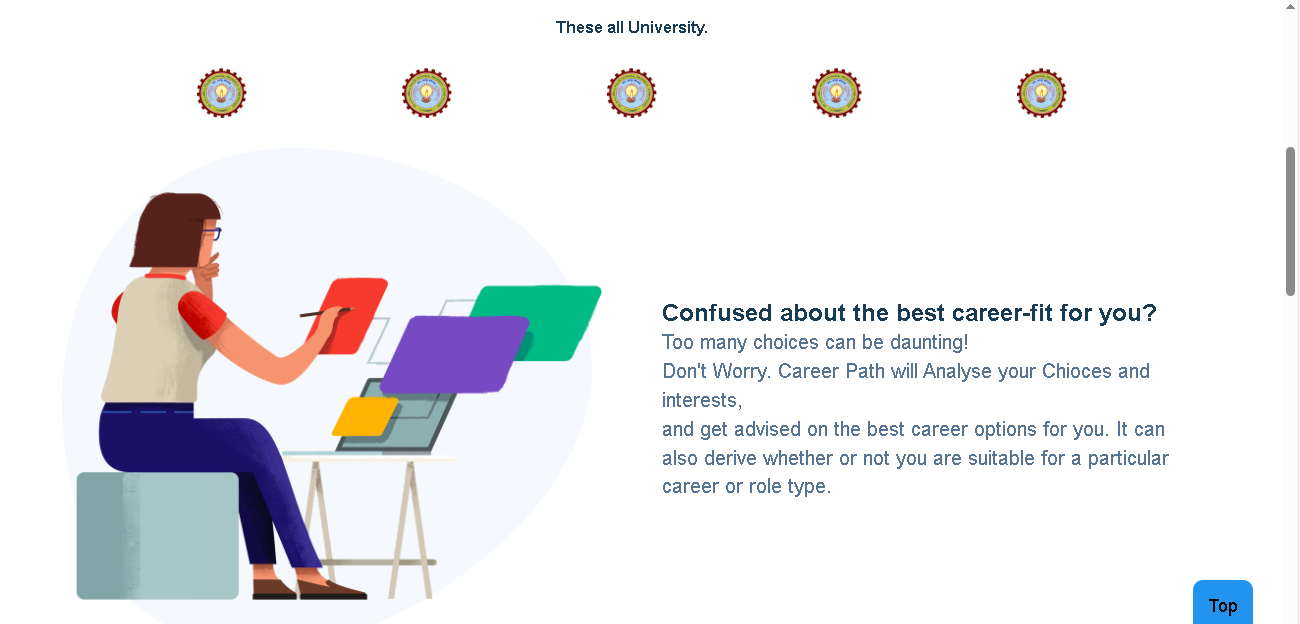


Fig 5.6 Home page Detail

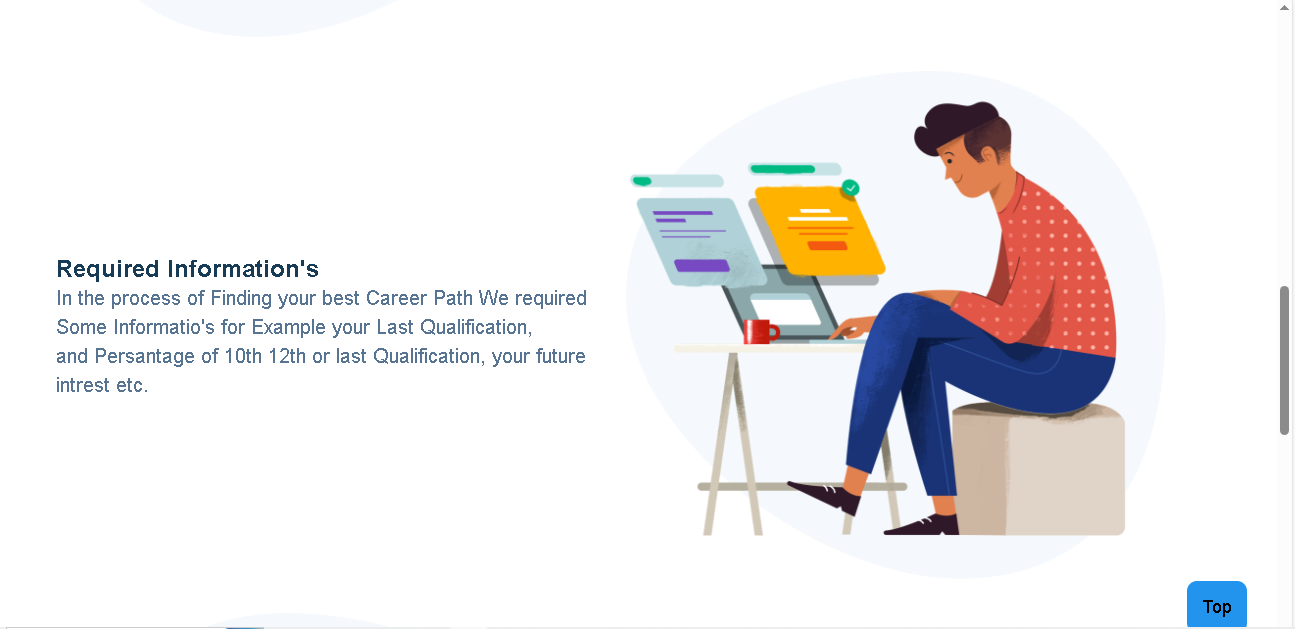


Fig 5.7 Required Information Page

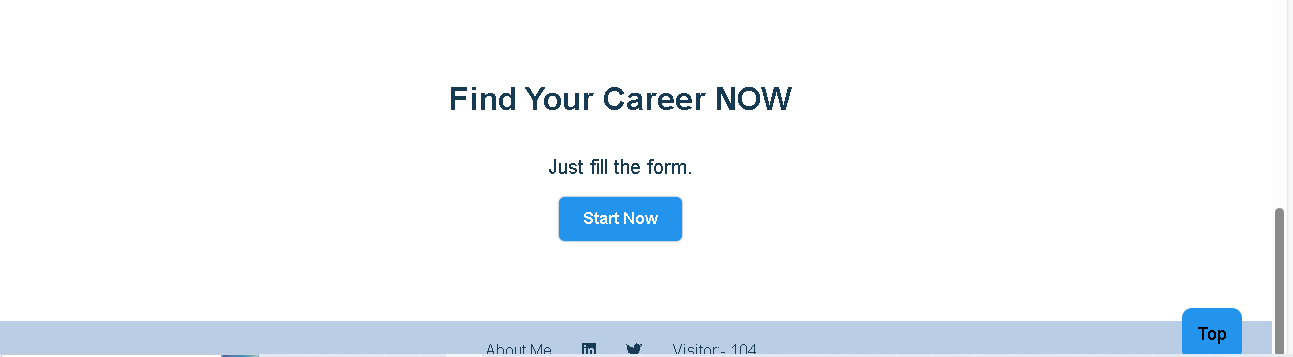
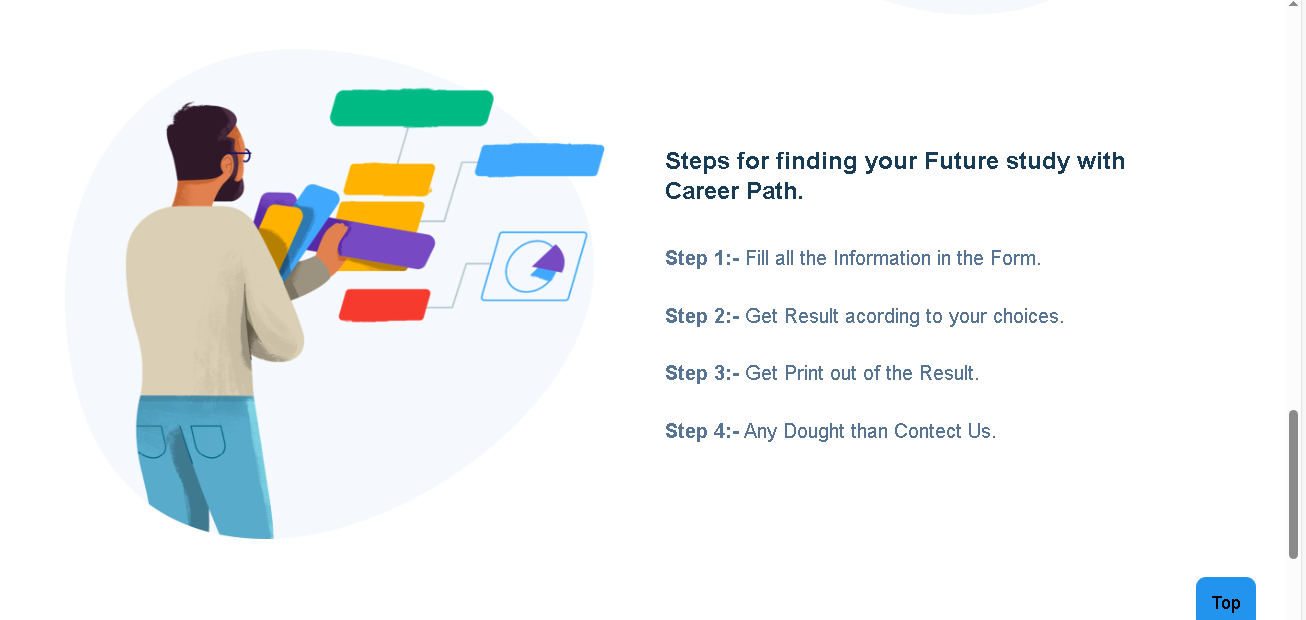
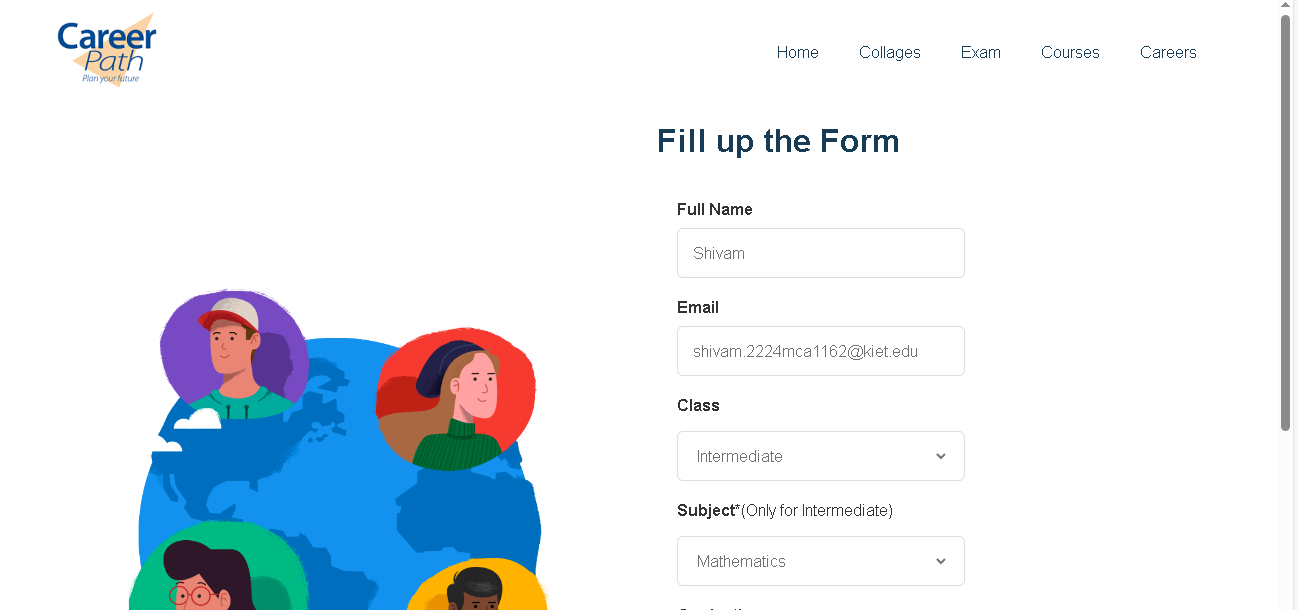


Fig 5.8 Form filling steps

2- Form Page- It includes a navigation bar, a section guiding users to fill out the form, and the form itself. The form captures information such as full name, email, class, subject (if applicable), graduation, and interests. JavaScript is used to toggle the navigation menu and dynamically display certain form fields based on user selections.



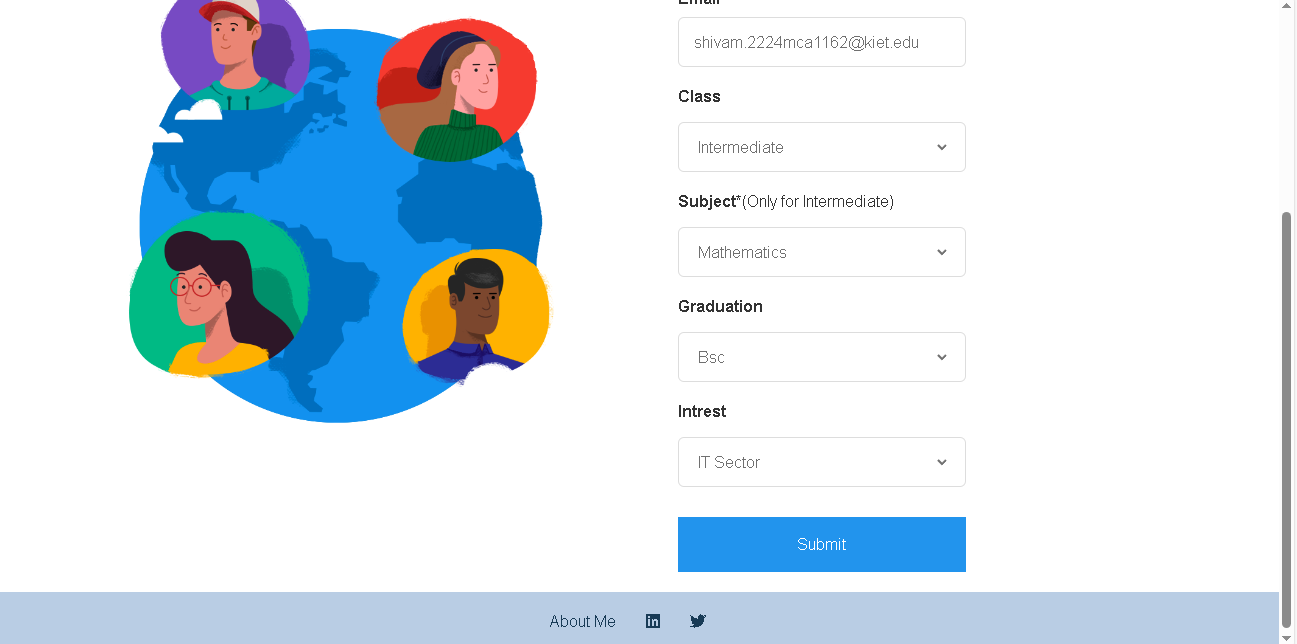


Fig 5.9 Form Page

3- Result Page – It includes a navigation bar, a container displaying personalized results for the user, and a button to print the results. The results include information about recommended courses, entrance exams, and top colleges based on the user's interests and provided information.

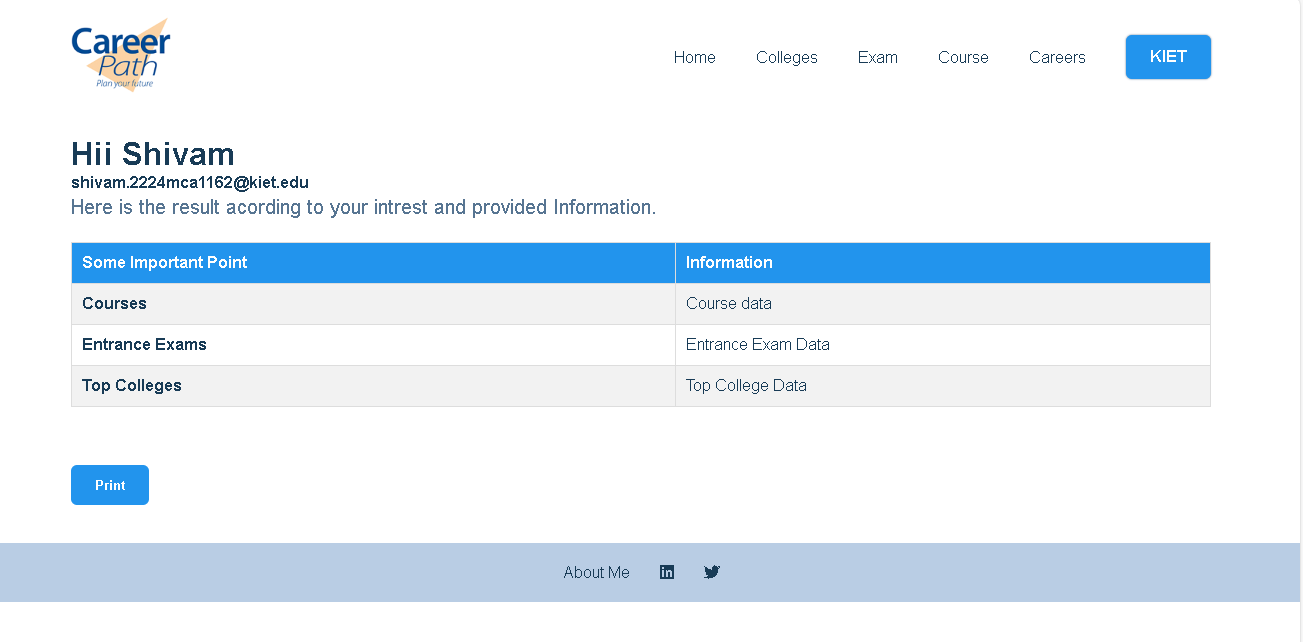


Fig 5.10 Result Page

**5.5 Back End and Coding:-**

In this section, we will delve into the back-end development and coding aspects of the Career Path application. The back end is responsible for server-side logic, database interactions, and overall functionality that support the user interface.

**5.5.1 HTML File - index.html**

The index.html file serves as the main entry point for the Career Path application. It includes the necessary HTML structure, meta tags, and a link to the stylesheet. Additionally, it contains a navigation bar, header section, information about universities, details about the Career Path process, a footer, and JavaScript code for navigation menu toggling.

**5.5.2 HTML File - formpage.html**

The formpage.html file represents the form page of the application. It includes a navigation bar, a section guiding users to fill out the form, and the form itself. The form captures information such as full name, email, class, subject (if applicable), graduation, and interests. JavaScript is used to toggle the navigation menu and dynamically display certain form fields based on user selections.

**5.5.3 HTML File - resultpage.html**

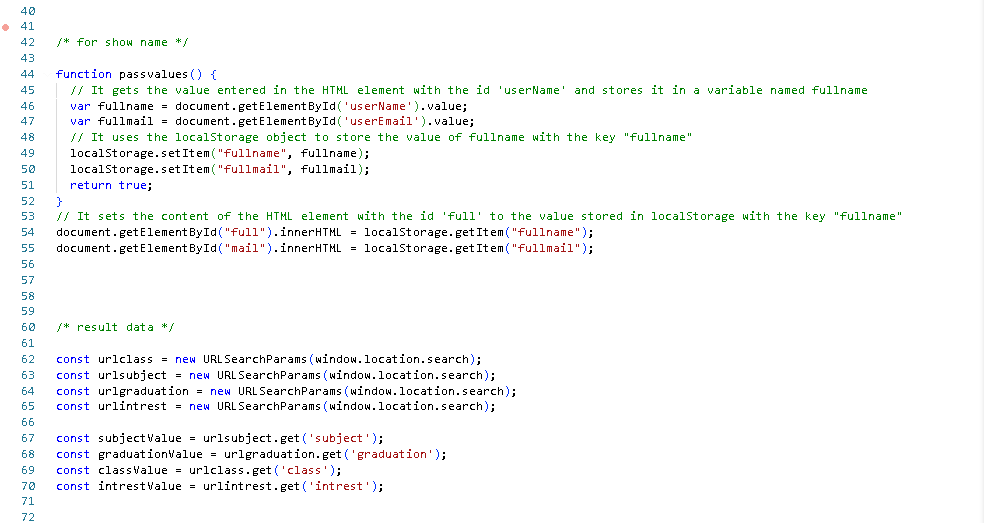
The resultpage.html file serves as the result page of the Career Path application. It includes a navigation bar, a container displaying personalized results for the user, and a button to print the results. The results include information about recommended courses, entrance exams, and top colleges based on the user's interests and provided information.

**5.5.4 CSS File - style.css**

The style.css file contains the cascading style sheets for the Career Path application. It defines the visual aspects of the HTML elements, such as layout, colors, fonts, and spacing. This file ensures a cohesive and visually appealing presentation of the application across different devices.

**5.5.5 JavaScript File - script.js**

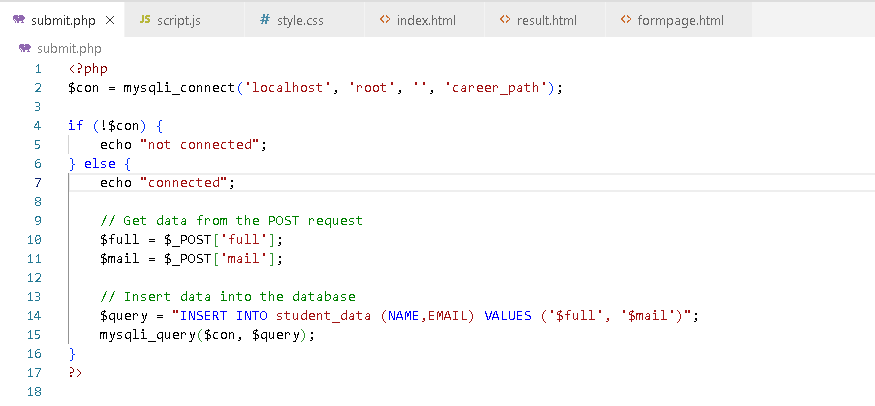
The script.js file contains additional JavaScript functionality for the Career Path application. It includes code to toggle the navigation menu, handle form logic on the form page, and enhance user interaction throughout the application.



5.11 script.js

**5.5.6 PHP File - submit.php**

The submit.php file is responsible for connecting to the database and handling form submissions. It establishes a connection to the MySQL database and verifies the connection. There is commented-out code that, when uncommented, would insert user-submitted data (name and email) into the 'student\_data' table in the database.



5.12 submit.php

**CHAPTER 6**

**CONCLUSION**

In conclusion, the "Career Path: Personalized Student Career Path Guidance System" project aims to revolutionize the way students make educational and career choices. The project has undergone a thorough analysis, feasibility study, and requirement analysis to ensure its technical, economic, operational, and behavioral viability. The design of the system encompasses various elements, including data flow diagrams, flow diagrams, entity-relationship diagrams, and activity diagrams.

The user interface has been meticulously designed to be intuitive, interactive, and visually appealing, offering a positive experience for users. The back-end development involves HTML, CSS, JavaScript, and PHP, ensuring a seamless and functional experience for users.

The project's objective is to provide personalized career paths, accurate college recommendations, optimal course selection, enhanced academic preparedness, and improved decision-making for students. The anticipated outcomes include empowering students to take ownership of their education and career choices, leading to lifelong success and fulfilment.

Throughout the project, gratitude is extended to the project supervisor, Dr. Ankit Verma, and Dr. Arun Kumar Tripathi, Professor and Head of the Department of Computer Applications, for their guidance and support. Acknowledgments are also extended to friends, family, and others who have provided moral support and assistance.

As the project moves forward, the commitment to continuous improvement remains strong, with a focus on refining recommendations based on user feedback, staying updated on educational trends, and adapting to advancements in technology. The "Career Path" project stands as a beacon of hope and guidance for students embarking on their educational and career journeys, exemplifying the intersection of technology, data-driven decision-making, and education.

**BIBLOGRAPHY**

• http://www.w3schools.com

• http://www.collegedekho.com

• http://www.stackoverflow.com

• http://www.wikipedia.com

• http://www.geeksforgeeks.org

• http://www.aktu.ac.in

• http://www.kiet.edu

• http://www.youtube.com

• http://cuet.samarth.ac.in

• http://nimcet.admissions.nic.in

• http://gate2024.iisc.ac.in

• http://www.shiksha.com

• http://www.sarkariresult.com

• http://www.collegedunia.com

• http://www.upgrad.com

• http://www.coursesxpert.com

• http://www.mydegreeguide.com

• http://www.mapsofindia.com

• http://www.byjus.com

• http://www.careers360.com