REQUIREMENT ANALYSIS

3.1.1 Feasibility Study Questionnaire

- **Is today's student facing in choosing career? Why?**

  Yes, The main reason for this is the too many courses are there in the market. Each year the number of courses and job are created and more specifications in each courses and jobs are coming.

- **Is generation gap made any difference in choosing career?**

  Yes, 10years ago student choose their career based on their financial stability and parents also influenced, but today the situation is not the same. Peer group influences them more in such decision.

- **Today, how does a student take a career options, on what basis?**

  Today, students are influenced by their peer groups. Most of the take the course what their friends or peers taken in order to fit in.

- **What is the primary objective?**

  The main objective is to help students and professionals make informed decisions about their education and career paths by providing comprehensive information on courses, job opportunities, and career-related guidance.

- **What makes Pathway different from traditional career guidance methods?**

  Pathway is a centralized online platform that offers access to detailed course and career information, making it easy to research, compare, and choose educational and career options, all in one place.

- **How does Pathway support career planning for users?**

  Pathway provides users with information on courses, career opportunities, and educational pathways, helping them make decisions aligned with their interests and career goals.

- **What types of activities can users perform on Pathway?**

  Users can search for courses, view career options, post articles, provide feedback, and interact with the platform by liking, sharing, and commenting on posts. Also an AI and ML based systems help in achieving careers

- **How does Pathway ensure that course and job information is up-to-date?**

  Managers and admins can update course and job information regularly. This ensures that users always have access to the latest details.

- **What kind of support does Pathway offer for making career decisions?**

  Pathway provides structured career information, allowing users to explore and understand various educational and career paths and make well-informed choices.

- **How can students get to know about the career in deep?**

  By talking to the persons, who are now at their desired career help them know more about career.

3.1.5 Requirement Gathering

Project Overview

The Career Pathway project is an educational web platform aimed at assisting students in making informed decisions about their higher education and career paths. The platform provides comprehensive information on courses, job opportunities, and mock tests, including psychometric tests. It enables users to search for relevant courses, explore career options, and interact through blogs and feedback systems. The system incorporates role-based access control for different users, ensuring streamlined operations and efficient data management.

Main Objectives

1. Implement a secure login system with role-based access for Admin, Manager, and General Users (students and institutions).
2. Allow Admins and Managers to add, update, and manage courses and job listings.
3. Enable users to explore and filter courses and career options based on categories and subcategories.
4. Provide an interactive blog system where users can post educational articles, like, share, and comment.
5. Facilitate psychometric tests to help students determine suitable career paths.
6. Implement a reporting mechanism for inappropriate content on blogs.
7. Ensure a centralized data management system for efficient tracking of user interactions.
8. Develop an admin dashboard to monitor platform usage, manage reported content, and oversee user activities.
9. Implement a feedback system allowing students to review courses and career paths.
10. Enable institutions and users to send messages for direct inquiries.

Target Audience

- Students seeking course and career guidance.
- Educational Institutions providing course information.
- Career Counselors and Admins managing content and psychometric tests.

- Platform Admins overseeing system functionalities.

Modules

1. Admin

- Manage access for users, including Managers and General Users.
- Approve or remove courses, job details, and blog posts.
- Handle reports and block/unblock content.
- Oversee psychometric test modules and results.
- Monitor platform usage and manage overall system settings.

2. Manager

- Add and manage course and career details.
- Modify or remove job postings.
- Moderate user feedback and respond to queries.

3. General Users (Students & Institutions)

- Register and log in to explore career and course options.
- Filter and search courses based on categories and subcategories.
- Participate in psychometric tests to receive career recommendations.
- Post and engage with blogs (like, share, and comment).
- Report inappropriate blog content.
- Send messages to institutions for inquiries.

4. Psychometric Test Module

- Provide structured tests to analyze students' strengths and interests.
- Generate career recommendations based on test results.
- Store and allow access to past test results for future reference.

5. Reporting and Feedback System

- Users can report inappropriate blogs or comments.
- Admins can review, block, or remove reported content.
- Students can provide feedback on courses and career paths.

6. Messaging System

- Enables students to directly contact institutions for course-related inquiries.
- Facilitates communication between users regarding career guidance.

System Ownership The system is managed by an educational organization responsible for maintaining course and career information. Institutions contribute by adding details about courses, while students interact with the platform for guidance.

Data Collection Contacts

1. **Name: Rajendran**
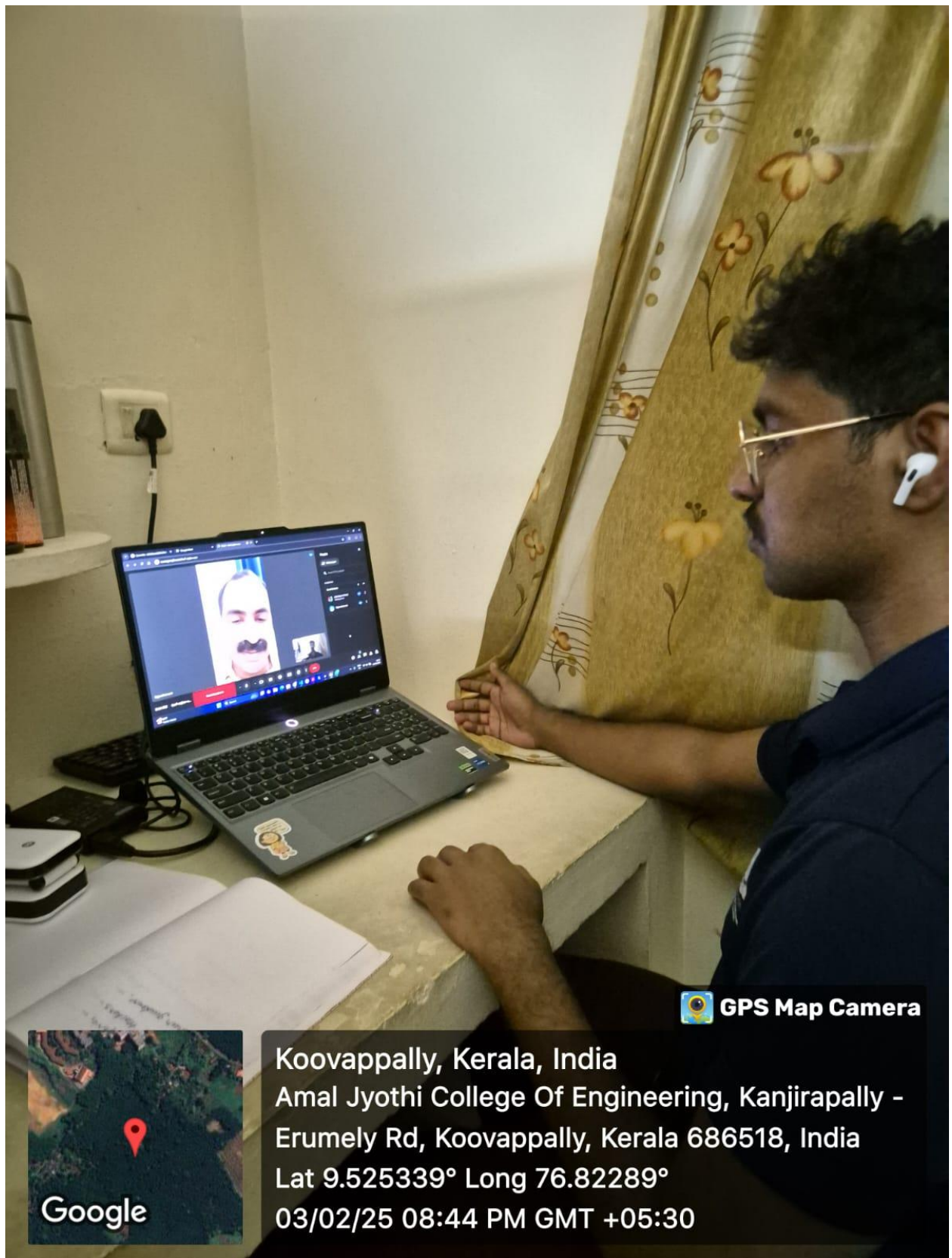
   Role: Teacher, Career counsellor

Questionnaire for Data Collection

1. What are the primary responsibilities of the admin in the Career Pathway platform?

   o Managing user access, approving/rejecting courses and jobs, handling reported content, and overseeing system security.

2. What challenges might the admin face in maintaining the system?

   o Ensuring data accuracy, handling user feedback and reports, and preventing misuse of the platform.

3. What functionalities are available to students ?

   o Searching for courses and careers, taking psychometric tests, posting and interacting with blogs, messaging institutions, and providing feedback on courses.

4. How should the psychometric test module function?

   o It should present structured questions, evaluate responses, and generate career recommendations based on the results.

5. What measures should be in place to manage reported content?

   o Admins should review reports, take necessary action (block/unblock content), and maintain a log of reported incidents for reference.

6. How should the feedback system be managed?

   o Feedback should be stored in a database, categorized by course/job, and visible to other users for informed decision-making.

3.1.6 Geotagged Photograph

Fig 3.1.5.1

Fig 3.1.5.2