

FEASIBILITY STUDY AND REQUIREMENT GATHERING

PROJECT: EDUSPHERE FUSION

SCRUM MASTER:

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APPLICATIONS

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FEASIBILITY STUDY:

EDUSPHERE FUSION PROJECT

Date: 05/09/2023

Guide: Navyamol K T

Technical Feasibility

Technical Requirements:

The project is technically feasible due to the use of established technologies. It utilizes Python Django for the backend and HTML with CSS and Bootstrap for the frontend. These technologies are robust, widely supported, and suitable for building a scalable web application.

Security Measures: The following security measures will be implemented:

- **Data Encryption:** User data, including personal information and payment details, will be encrypted using industry-standard encryption algorithms to protect against data breaches.
- **User Authentication:** Secure user authentication methods will be employed to ensure that only authorized users can access their accounts.
- **Data Access Control:** Access to sensitive user data will be strictly controlled, and role-based access control will be implemented for admin roles.
- **Regular Security Audits:** Regular security audits will be conducted to identify and address vulnerabilities.

API Integration: The project may integrate with external APIs to enhance functionality, such as payment gateways for handling transactions, geolocation services for college location information.

Performance: The system's performance will be monitored and optimized to ensure fast response times, even with a large user base.

Recommendation Algorithm

- **User Profiling:** Users will provide information about their study interests, academic performance, and preferences.
- **Machine Learning:** Machine learning models may be employed to enhance recommendation accuracy as the system collects more data.

Technical Feasibility Questions:

Is the chosen technology stack (Python Django for the backend, HTML/CSS/Bootstrap for the frontend) readily available and suitable for building the GlobalEd Fusion platform?

YES

- Are there existing libraries or APIs that can be used to implement essential features, such as payment processing and product browsing?

YES

- Do We Have the Required Expertise?

YES

- Are there team members skilled in user interface (UI) and user experience (UX) design to create an appealing and user-friendly interface?

YES

- Can the chosen technology stack handle the anticipated number of users accessing the system simultaneously?

YES

- Are there strategies in place to ensure the performance and responsiveness as the user base grows?

YES

- Are there well-defined APIs or integration points available for seamless data exchange between the system and backend?

YES

- Can we implement strong security measures to protect user data and payment information?

YES

- Are there encryption protocols and authentication mechanisms that can be employed to ensure data privacy?

YES

Operational Feasibility

User Engagement: The project aims to engage users effectively by providing a user-friendly interface, and personalized recommendations. Regular updates and new features will maintain user interest.

Data Management: The platform will have robust data management systems to organize user data, college information, course details efficiently.

Regular Updates: Regular maintenance and updates to the platform, including security patches and feature enhancements, will ensure operational feasibility.

Operational Feasibility Questions:

- Is the user interface designed to be user-friendly and encouraging users of varying technical backgrounds to adopt the platform?
YES
- Will the administrative team responsible for verifying college?
YES
- Are the required technical infrastructure and resources for hosting and managing the platform readily available and operationally feasible?
YES
- Is there a plan in place for regular maintenance and updates to ensure the platform's operational stability and security?
YES

Economic Feasibility

Revenue Streams: The project has multiple revenue streams, including advertisements, fees from paid courses and subscription fees for personalized recommendations.

Cost Estimations: Costs will include development and maintenance expenses, marketing, and operational costs.

Market Analysis: The increasing trend in foreign education seekers and the need for reliable platforms make the project economically viable. With a growing demand for global education, revenue potential is promising.

Economic Feasibility Questions:

- Does the revenue model include multiple streams such as advertisements, paid courses, subscriptions, and IELTS coaching fees?
YES
- Have the development costs, operational expenses, and marketing/promotion costs been thoroughly assessed and considered in the economic feasibility analysis?
YES
- Is there a reasonable expectation of profitability based on projected revenue and cost estimates?
YES

Feasibility Assessment:

Based on the assessment of the feasibility questions:

Technology Availability: The required technologies and development tools are readily available in the market.

Expertise: We have experienced team.

Scalability: The chosen technology stack can be scaled to accommodate a growing user base.

Integration: APIs and integration points are available.

Security: Strong security measures can be implemented to safeguard user data and transactions.

Device Compatibility: The proposed system support various devices and operating system versions.

Conclusion:

The feasibility assessment indicates that the necessary technologies and expertise are available for the project.

REQUIREMENT GATHERING:

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1. Project Overview?

EduSphere Fusion is a comprehensive Foreign Study Management System with an integrated E-learning platform. It serves as a social media platform designed to assist students in their pursuit of foreign education. The platform offers various features, including college searches, personalized college recommendations, access to online certification courses, college updates, profile customization, and a public domain for questions and queries. The system aims to address the increasing demand for foreign education while protecting users from scams and providing access to quality education resources.

2. To what extend the system is proposed for?

The system is proposed to be a global platform accessible to users worldwide who are interested in pursuing foreign education. It aims to provide comprehensive support and resources to students seeking information about foreign colleges, courses, and admission procedures.

3. Specify the Viewers/Public which is to be involved in the System?

- i. Students: Users seeking information about foreign colleges, certification courses.
- ii. Foreign Colleges: Educational institutions offering online certification courses and seeking to connect with prospective students.

4. List the Modules included in your System?

- i. College Search and Recommendations.
- ii. Online Certification Courses.
- iii. College Updates.
- iv. User Profiles and Management.
- v. Public Domain for Questions and Queries.
- vi. Admin Verification and Management.

5. Identify the users in your project?

- i. Students seeking foreign education opportunities.
- ii. Foreign colleges offering certification courses.
- iii. Admin responsible for platform management.

6. Who owns the system?

The system is owned by the organization responsible for developing and maintaining EduSphere Fusion.

7. System is related to which firm/industry/organization?

The system is related to the education industry and serves students and colleges involved in foreign education and certification courses.

8. Details of person that you have contacted for data collection?

- i. Online and offline resources.
- ii. Personal Experience.
- iii. College authorities.
- iv. Foreign education agencies.

Contact Person for Data Collection:

Name: Vighnesh S Raj

Role: Director and Chief Marketing Officer

Agency Name: Fair Future Overseas Educational Consultancy

Location: Ravipuram, Ernakulam, Kerala, 682016

Experience: An overseas education consultant with expertise in all the major English-speaking destinations such as the USA, UK, Canada, Australia, and New Zealand.

Fair Future Overseas Educational Consultancy has been an Advisory Board member to the University of California, Irvine's International Programs since 2021 and is an official representative of numerous prestigious institutions including the University of Regina, Seneca College, University of Idaho, University of California Riverside, University of Maine, DeMontfort University, University of Tasmania, University of Winnipeg, and more.

Mr. Vighnesh has provided counseling to thousands students for foreign studies over the last 18 years, making him a highly experienced and knowledgeable expert in the field of foreign education consultancy.

9. Questionnaire to collect details about the project? (min 10 questions, include descriptive answers, attach additional docs (e.g. Bill receipts, certificate models), if any?)

- i. What inspired the development of EduSphere Fusion, and what problems does it aim to solve?

EduSphere Fusion was inspired by the increasing demand for global education opportunities and the need to address issues related to scammers and intermediaries in the foreign education space. The project aims to provide a reliable platform for students seeking foreign education, offering accurate information about colleges, courses, and admission procedures while protecting them from fraudulent activities.

- ii. What features and services do foreign colleges provide through the platform?

Foreign colleges on the EduSphere Fusion platform can offer both paid and free online certification courses. They can also post timely updates and feeds to inform their followers about important information, events, and news related to the college.

- iii. Can you explain the revenue model, including how the platform generates income from advertisements and paid courses?

Advertisements: Advertisers pay to display targeted ads to our user base.

Paid Courses: Colleges charge fees for their online certification courses, and a portion of these fees goes to EduSphere Fusion.

- iv. How does EduSphere Fusion plan to address competition in the market and stay relevant in the long term?

The platform aims to differentiate itself by providing verified and trustworthy information, a strong user community, and a range of features to the needs of students and colleges..

- v. Who is responsible for verifying tutor and college details, and what are the criteria for verification?

The platform's admin is responsible for verifying tutor and college details. Verification criteria include checking the credentials and ensuring colleges are accredited, and confirming the authenticity of the information provided.

- vi. What measures are in place to protect user data and privacy?

To protect user data and privacy, EduSphere Fusion employs industry-standard security practices. This includes data encryption, secure authentication, regular security audits, and compliance with data protection regulations.

- vii. How does the platform facilitate personalized recommendations through paid subscriptions?

To access personalized college recommendations, users can subscribe to premium services for a fee. Subscribers provide information about their study interests and academic performance, allowing the platform to offer tailored suggestions.

viii. What plans are in place for scaling and expanding the platform in the future?

The project is planned to expand by adding more features, increasing the number of colleges and courses, expanding IELTS coaching options, and enhancing user engagement through community-building activities. There are also plans to explore partnerships with educational institutions to broaden the platform's offerings.

ix. How does the platform ensure the accuracy and reliability of information about foreign colleges?

EduSphere Fusion relies on a combination of user-generated content and verified data. Admin verification ensures that colleges listed on the platform meet certain standards and criteria. User feedback and reporting mechanisms also help in maintaining accuracy and authenticity.

x. How does the public domain for questions and answers work, and how does it benefit users?

The public domain allows users to ask questions or queries related to foreign education. Any user can respond, creating a collaborative environment where students can get quick and diverse responses to their doubts and concerns.