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1. **Executive Summary**

1.1. Overview

405 Found is a web-based social media community for coders. This is a place for anyone associated with coding, be it an experienced one or an amateur. This platform will include the following features

1. A Q&A section for coders to discuss their queries.
2. A community chat where coders can discuss their ventures with the likes of them.
3. A credit-based system for coders who help their fellow coders by answering their queries!

1.2. Stakeholders

Development, design, and cloud teams are our project's stakeholders, and we want to target coding enthusiasts as our end users.

1.3. Bussiness Profile

Our company, '405 Found' is based in Dharwad. For any queries reach us at [queries.405.found@gmail.com](mailto:queries.405.found@gmail.com).

**Mission Statement:** Connecting coders around the world.

**Our Vision:** We want to create a community that can serve as a backbone for coders. 'All for one and one for all' is our motto. We strongly believe that a strong community of coders will pave the way for the future of technology and innovation.

**Our goals:** Making coders incorporate 405 Found into their coding path is our aim.

1.4. Problems in the existing Systems

There are very few communities for coders. Even though there are some platforms for coding-related queries, there is no platform for coding enthusiasts to share their interests. Hence we plan to incorporate the best of both these worlds into our platform.

**2. Project Scope**

Project Location: Dharwad, India

Project cost: 11.73 Million

Project time span: 4 months

**3. Feasibility Study**

3.1. Methodology

Our methodology involved establishing the necessary human resources, project timetable, and funding needs as well as listing the technological factors, researching the market, describing the marketing plan, and so on. incorporating the innovative ideas of programmers and their community-building suggestions

3.2. Economic Feasibility

The main expenditure includes the cost of development, deployment, maintenance, storage, security, and advertisement. The development of the proposed will take around 30,000. The deployment and management will cost around 11M.

3.3. Technical Feasibility

The front-end will use HTML, CSS, JS, and other frameworks.

For the back-end, we will use MongoDB and Node.js For hardware purposes and security reasons, we will use Cloud resource and we have opted GCP for the same.To make our website highly available to users we will use auto-scaling options.

3.4. Legal Feasibility

We have analysed potential legal roadblocks to the project's implementation, such as data protection or social media legislation, project certificates, licences, and copyrights, among other things. Our proposed enterprise complies with legal and ethical standards.

3.5. Schedule Feasibility

The platform's development is anticipated to take four months. A group of programmers and designers will be working on the project. Throughout the development phase, we will also undertake frequent testing and user input.

3.6. Operational Feasibility

Our platform is user-friendly. It will support the necessary tasks. Our user concerns are our top priority and we will make sure that they are not at any kind of risk while using our platform. We will make the website easily available by making sure that it can run on every platform. Our software will be thoroughly tested by our software development team to ensure no dead ends.

**4. Observations**

Our proposed system is technically, legally, operationally, and economically feasible. It also has schedule feasibility. It is expected to bring all coders together and make coding available for everyone.Based on our observations 405Found project can proceed with no hindrances.

**5. Challenges**

Since we need to compete with already existing companies, attracting users might pose a problem. This platform in its early stages cannot handle large traffic

**6. Recommendations**

We plan to attract the users by running marketing and advertising campaigns., and constant monitoring will be done to ensure that the resources are scaled up when required.

**7. Team Members**

Jahnavi Hegde : 21BCS044

Suravarapu Sai Jyothirmai : 21BCS123

**8. Glossary**

HTML : Hypertext Markup Language, a standardized system for tagging text files to achieve font, colour, graphic, and hyperlink effects on World Wide Web pages.

CSS : CSS stands for Cascading Style Sheet, it is a style sheet language used to shape the HTML elements that will be displayed in the browsers as a web-page.

JS: JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else

MongoDB: MongoDB is an open-source document-oriented database that is designed to store a large scale of data and also allows you to work with that data very efficiently

Node. js: Node. js is a single-threaded, open-source, cross-platform runtime environment for building fast and scalable server-side and networking applications.