Feasibility Study

Feasibility study is the degree to which a project can actually be carried out successfully. A feasibility study is conducted to assess the solution's viability, which establishes whether it is viable and implementable in the program. The feasibility study takes into account details like the availability of resources, software development costs, the advantages of the software to the business once it is built, and the costs associated with maintaining it. The outcome of the feasibility study should be a report recommending whether or not the requirements engineering and system development process should be continued.

Technical feasibility

Technical feasibility studies are essential because they aid stakeholders in understanding whether, from a technological perspective, the project is indeed feasible. It offers useful information that can affect the decision to move on with the project. It evaluates the viability of a given project or business endeavour by technically feasible in their implementation. It concentrates on assessing whether the required infrastructure, resources, skills, and technology are in place or attainable to complete the project successfully. Examines the technical proficiency and qualifications of the members of the software development team. evaluates the stability and maturity of the applicable technology, ensures that the software development technology has a sizable user base so that people may be consulted when issues arise or improvements are needed.

This placement cell website system uses latest web technologies. Within the allotted time and money, the technologies employed can be modified to meet user requirements in the software, as well as new upgrades.

- For front end which uses HTML, CSS, JavaScript
- For the back end which uses Python- Django

These can be applied to current problems and flexible.

Operational feasibility

evaluates the degree to which the necessary software executes a sequence of operations to meet user and business criteria. This feasibility involves imagining whether the software will function after it is produced and be functional after it is installed. It is dependent on human resources (the software development team). The following duties are also carried out by operational feasibility. evaluates the priority of the issues raised by the user requirements, determines whether the software development team's solution is appropriate, examines how well people will accept new software, determines whether the software development team's alternate alternatives have pleased the organization.

Operational feasibility for a placement cell website involves evaluating its compatibility with existing processes and resources within the university or educational institution. By determining whether the website can seamlessly interact with the existing placement methods and databases, the operational viability of the website can be proved. This system allows easy registration for students, alumni and companies, which automate job postings& job applying resume submissions, and interview scheduling, furthermore provide administrative tools so that placement coordinators may efficiently manage and monitor the process. Additionally, the website is user-friendly. The feasibility study should look into the possible advantages of increased productivity, less paperwork, and better communication between students and businesses, all of which would help the placement cell website run smoothly and be used by more people.

Economic feasibility

assesses whether the necessary software may bring an organization financial benefit. It includes the expenses related to the software development team, the expected cost of the necessary hardware and software, the expense of conducting a feasibility study, and so on. Expenses associated with software development that result in long-term benefits for a business Costs associated with doing a comprehensive software study, including requirements elicitation and requirements analysis cost of the development team, software, hardware, and training.

The website organizes and streamlines the entire placement process, improving its effectiveness. It helps recruiters to publish job vacancies and review resumes digitally,

minimizing paperwork and manual labour, and it enables students to view and apply for job possibilities online, individuals from many fields can look into job prospects provided by a wide range of companies, and recruiters from various regions can access a diversified pool of students. The software makes communication between recruiters, the placement cell, and students easy. It makes it possible to schedule interviews quickly and provide feedback, which improves everyone's engagement and experience. The website can gather and analyse data on job placements, student preferences, and employer requirements. This data-driven approach helps in making informed decisions, identifying trends, and improving future placement strategies. Reduces manual intervention and paperwork. The website allows for real-time updates on job openings, interviews, and placement-related events, keeping all stakeholders informed and up-to-date. The website may collect and analyse information on student preferences, employer requirements, and job placements. Making educated decisions, spotting trends, and optimizing future placement tactics are all facilitated by this data-driven approach.. All interested parties can be informed and up to date with the website's real-time updates on job vacancies, interviews, and placement-related events.