Feasibility Study

The proposed Inclusive E-Commerce Platform for Assistive Aids presents a visionary project with the aim of transforming the accessibility and availability of assistive aids for disabled users. Through the power of e-commerce, the platform seeks to bridge the gap between individuals with disabilities and the essential tools they require for leading independent and enriched lives. The project envisions an inclusive and user-centric marketplace that offers a wide range of high-quality assistive aids to cater to the diverse needs of disabled users.

Types of Feasibility

Technical feasibility assesses the current resources (such as hardware and software) and technology, which are required to accomplish user requirements in the software within the allocated time and budget. Technical feasibility also performs the following tasks.

- Analyses the technical skills and capabilities of the software development team members
- Determines whether the relevant technology is stable and established
- Ascertains that the technology chosen for software development has many users so that they can be consulted when problems arise or improvements are required.

Based on the information provided in the preceding responses, the Inclusive E-Commerce Platform for Assistive Aids appears to be technically possible. The proposed functionalities, such as user registration, personalized product recommendations, order tracking, and user reviews, are routinely implemented in e-commerce platforms and can be accomplished utilizing current technologies and frameworks. Furthermore, the technical feasibility evaluation noted the availability of competent developers and resources, which is critical for the effective deployment of the platform. The platform's technical needs can be met effectively with the correct skills and resources. However, it is vital to highlight that the real technological viability would be determined by the exact implementation details, the platform's complexity, and the scalability of the chosen technologies. In addition, incorporating machine learning for customised product.

Operational feasibility assesses the extent to which the required software performs a series of steps to solve business problems and user requirements. This

feasibility is dependent on human resources (software development team) and involves visualizing whether the software will operate after it is developed and be operative once it is installed. Operational feasibility also performs the following tasks.

- Determines whether the problems anticipated in user requirements are of high priority
- Determines whether the solution suggested by the software development team is acceptable
- Analyses whether users will adapt to a new software
- Determines whether the organization is satisfied by the alternative solutions proposed by the software development team.

The operational feasibility study considered a variety of areas of the platform's day-to-day operations, including as order fulfilment, logistics management, customer support, and mentor counselling services. According to the report, collaborations with reputable logistics suppliers and a devoted customer care team may assure smooth order processing and timely product delivery. Furthermore, the platform's capacity to provide consultative services for assistive technology via communication channels such as live chat and email improves its operational practicality. The platform can successfully assist individuals in picking the most appropriate assistive devices for their unique needs by giving professional guidance and customised recommendations to users. Furthermore, the platform's user-centric design, which allows users to leave reviews, track order status, and add things to their wish list or shopping cart, helps to its operational effectiveness.

Economic feasibility determines whether the required software can generate financial gains for an organization. It involves the cost incurred on the software development team, estimated cost of hardware and software, cost of performing feasibility study, and so on.

- Cost incurred on software development to produce long-term gains for an organization
- Cost required to conduct full software investigation (such as requirements elicitation and requirements analysis)
- Cost of hardware, software, development team, and training.

Based on the information provided in previous responses, the Inclusive E-Commerce Platform for Assistive Aids indicates economic feasibility. The platform provides several revenue streams, including product sales, consultancy fees, and possible partnerships with assistive aid makers. Users can browse and purchase a wide choice of high-quality assistive aids, generating a constant stream of cash from product sales. Furthermore, the platform provides assistive aid consultation services, where users can seek expert advice, allowing the platform to gain revenue through consultation fees. Furthermore, the potential for collaborations with producers of assistive devices gives a chance for the platform to gain cash through commissions or promotional fees for displaying their products. According to the market analysis, there is a desire for an inclusive e-commerce platform for assistive aids.