Feasibility Study

The feasibility study for the Automobile Reselling System evaluates the practicality of developing an online platform for buying and selling used vehicles. It examines the technical, operational, and economic aspects of the system to determine if it can meet user requirements within the allocated time and budget The study confirms the system will be easy to use, affordable, and provide a secure, convenient platform for buyers, sellers, and admins.

Types of Feasibility

Technical Feasibility

Technical feasibility looks at the tools and resources needed to complete the project on time and within budget. It requires hardware like web servers, cloud storage, and computers for development and testing. The software includes front-end tools like HTML, CSS, and JavaScript, and back-end tools like PHP and MySQL. The chosen technologies are stable, widely used, and supported by active developer communities, providing reliable resources for troubleshooting and future improvements. These technologies are popular, so the team can easily find help and resources to fix issues and make improvements.

Operational Feasibility

Operational feasibility evaluates whether the software can effectively solve business problems and meet user requirements. The platform addresses critical needs, including vehicle listings, car searches, transaction management, and secure payments, ensuring it fulfils user priorities The system makes buying and selling easier with a smooth and simple user experience. The system is easier to use and safer, which makes everyone happy.

Economic Feasibility

Economic feasibility determines whether the software can generate financial benefits while managing costs effectively. The development cost, including design and testing, is estimated to be between $20,000 and $50,000. The development cost is between $20,000 and $50,000, but the money from listing fees and transaction charges will make it a good investment. The cost of conducting the feasibility study, including requirements analysis, is estimated at $2,000 to $5,000. Annual costs for hardware and hosting range from $500 to $2,000, while most software tools will be either open-source or low-cost subscriptions. Since the system is easy to use, it requires little effort to get started.