Feasibility Study

Feasibility Study for the "Pet Adoption Platform" Website:

Technical Feasibility:

Hardware and Software Requirements: Assess the current hardware and software resources available for developing the website, including server hosting, database systems, and development tools. Ensure they meet the technical needs of the platform.

Technology Stack: Evaluate the suitability of the MERN (MongoDB, Express.js, React.js, Node.js) stack for the project and verify that the development team possesses the necessary skills to work with these technologies effectively.

Integration with External APIs: Investigate the feasibility of integrating external APIs for additional data, such as vaccination history, and ensure that they are stable, well-documented, and accessible for use.

Operational Feasibility:

User Adoption and User Experience: Analyze potential user adoption rates and the ease of use of the platform for both pet adopters and organizations. Conduct user testing or surveys to gather feedback on the platform's usability.

User Acceptance Testing: Plan and execute user acceptance testing (UAT) with representatives from shelters, pet adopters, and potential users to ensure the platform aligns with their needs and expectations.

Change Management: Evaluate the organization's readiness for adopting the platform and identify any potential challenges in terms of adapting to new processes and technologies.

Economic Feasibility:

Cost Estimation: Conduct a thorough cost analysis, including software development costs, hardware infrastructure, licensing fees, API access fees, and ongoing maintenance expenses.

Revenue Generation: Explore potential revenue streams, such as sponsored listings, advertising, or premium features, to determine if the platform can generate sufficient income to cover expenses and provide a return on investment.

Cost-Benefit Analysis: Compare the estimated costs with the expected benefits and assess whether the project's financial gains align with the organization's objectives.