<div align="center">**Survey Platform Project Report**</div>

1. Problem Definition:

The problem is to build a secure survey platform designed for indigenous solutions that addresses key limitations of existing platforms. Most current platforms require participants to choose themselves, without recruitment by the platform or the conductor, limiting targeted participant engagement. Additionally, these platforms often lack robust security, storing sensitive data on their servers without allowing conductors to use their own databases for data storage. Furthermore, existing platforms tend to focus on either market research or academic surveys, but fail to provide a comprehensive, one-stop solution for diverse survey needs. The platform must prioritise security, flexibility, and inclusivity.

2. Literature Survey:

- Prolific: Prolific is a popular platform for academic research, known for its focus on high-quality participants and ethical transparency.Studies indicate that Prolific users are more attentive and reliable, making the platform a preferred choice for behavioural, psychological, and social sciences research. Its international user base adds value by offering diverse, global perspectives.
- SurveyMonkey:SurveyMonkey offer users the opportunity to earn rewards by completing surveys.Primarily used for market research and consumer feedback, these platforms prioritise connecting brands with consumers. Participants are often motivated by financial incentives, which can impact the quality of the data collected.

Key Challenges the platform seeks to solve:

- Streamlining the survey creation process with advanced features like branching logic and media embedding
- Facilitating diverse participant recruitment methods
- Ensuring data integrity and security while maintaining user privacy
- Providing robust analytics and reporting capabilities
- Allowing users to pause and revert to the survey with the same state

3. Work done so far:

- Functional and Non-Functional Requirements: Defined the core system features and quality attributes, focusing on performance, security, and usability.
- Use Case Diagram: Created a diagram to depict user interactions and system functionalities.
- High-Level System Design & DB Schema: Developed a system architecture outlining the key components and their interactions.Designed the database schema to support data management for surveys, users, and responses.

- Authentication and Authorization Service,SurveyManagement Service,Basic Frontend work
- Deployment of Auth Service to K8 Cluster