**Team Name:** ProjTech
**Team Members:** Mounica Mannam, Caleb Cheruiyot, Pavan Kumar Madavaram

**System Request:** Online Bidding System

**Project Sponsor:** Professor Eric Fredericks

**Business Needs:**

The motivation behind the Online Bidding System project is to create a platform where community members can engage in auctions to sell or acquire products its primary business needs include; community engagement, product exchange through efficient transaction, revenue generation and user empowerment.

**Business Requirements:**

- It shall have user registration and profiles to enable community members to register, create profiles, and manage their personal information securely.

- Enable users to list products for auction, specify auction duration, starting prices, and reserve prices. Users should be able to manage their active auctions.

- Implement a secure and transparent bidding process that allows users to place bids on listed items

- Integrate secure payment processing to facilitate transactions between buyers and sellers.
- Provide a real time communication channel for participants to interact during auctions, including questions and answers.
- Enable users to rate and provide feedback on transactions, promoting trust within the community.
- Mobile Responsiveness to ensure the platform is accessible on various devices, including mobile phones and tablets.

**Business Value:**

We expect that the organization will derive substantial business value from the Online Bidding System project since the project will foster a thriving and engaged community, attracting more members, and encouraging active participation, generate revenue through transaction fees or subscription models, contributing to sustainability and growth also ensuring community members will have access to a wide range of products at competitive prices.

**Budget:**

The project budget will be determined during the project planning phase and will be optimized to ensure cost-effectiveness.

**Special Issues or Constraints:**

- The system must adhere to stringent data privacy regulations, safeguarding user information and transaction data.
- Robust security measures must be implemented to protect users' financial information and maintain the integrity of the platform.
- Consideration should be given to user onboarding and education to ensure that community members can effectively use the platform.
- Develop clear community guidelines and policies to maintain a respectful and safe online environment.
- The system should be designed to accommodate potential growth in user numbers and transaction volumes.
- Ensure that the platform complies with all relevant local and national laws and regulations related to online auctions and e-commerce
- Implement a feedback mechanism to collect input from community members for continuous improvement.