Key Requirements for Project Advancement

1. **Access to Real-Time Dataset** - While we have been working with publicly available datasets (e.g., from Kaggle), we require access to a real-time, high-quality dataset from a recognized hospital or medical institution to ensure accuracy and clinical relevance.
2. **Cloud Computing Resources** - We will need premium access to cloud computing services, with AWS being our preferred choice, to securely store and manage the dataset and facilitate scalable model training and deployment.
3. **Product Development Support** – We also need assistance to prototype and refine the Mammary Protect wearable device, ensuring accurate integration of thermography and echography technologies for reliable breast cancer screening.
4. **Regulatory and Compliance Guidance** – We require Expert legal assistance to navigate the necessary regulatory approvals in Kenya and ensure compliance with relevant local laws, such as the Kenya Data Protection Act. We will also aim for alignment with general worldwide medical device regulations to facilitate future expansion into international markets.
5. **Model Optimization and Continuous Learning** - Support for implementing machine learning pipelines that allow the model to continuously improve by learning from new data and user feedback, ensuring better predictions over time.