Project Design Phase-I

Proposed Solution Template

Date	06 May 2023
Team ID	NM2023TMID17489
Project Name	CancerVision: Advanced Breast Cancer Prediction With Deep Learning

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Current breast cancer prediction methods have limitations in accurately identifying malignancies, leading to false positives or false negatives. The proposed solution aims to improve the accuracy of breast cancer prediction, reducing misdiagnosis rates and ensuring timely intervention.
2.	Idea / Solution description	The goal is to classify images into two classifications of malignant and benign. As early diagnostics significantly increases the chances of correct treatment and survival. In this application we are helping the doctors and patients to classify the Type of Tumour for the specific image given with the help of Neural Networks.
3.	Novelty / Uniqueness	CancerVision stands out for its integration of deep learning, advanced image analysis, scalability, and focus on interpretability. These unique characteristics make it a promising and innovative solution for advanced breast cancer prediction, contributing to improved diagnosis and patient outcomes.
4.	Social Impact / Customer Satisfaction	Overall, CancerVision's social impact lies in improving patient outcomes, enhancing accessibility to healthcare, reducing costs, and empowering healthcare professionals. Its emphasis on accuracy, user-friendliness, time efficiency, and interpretability

		contributes to customer satisfaction and ensures that the system meets the needs and expectations of healthcare professionals and patients.
5.	Business Model (Revenue Model)	The revenue model for CancerVision will depend on factors such as the competitive landscape, market demand, regulatory considerations, and the value proposition of the predictive system. It's advisable to conduct market research, engage with potential customers, and adapt the revenue model accordingly to ensure sustainability and growth. The total cost estimate for this model would round up to 1.5 Lakh.
6.	Scalability of the Solution	CancerVision can handle increasing demands, accommodate growing datasets, and scale effectively to meet the needs of a broader user base. Scalability is crucial for the widespread adoption and impact of CancerVision in the field of breast cancer prediction and diagnosis.