Project Design Phase-I
Proposed Solution Template

Date	22-10-2023
Team ID	Team-593182
Project Name	Disease Prediction Using Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Developing a machine learning model to predict the likelihood of a patient having a particular disease based on their symptoms and other relevant data.
2.	Idea / Solution description	**1)** Gather data **2)** Prepare the data **3)** Choose a machine learning model **4)** Train the model **5)** Evaluate the model **6)** Deploy the model
3.	Novelty / Uniqueness	**Focus on a specific disease or population -** For example, we could develop a model to predict the risk of Alzheimer's disease in older adults, or the risk of postpartum depression in new mothers.
4.	Social Impact / Customer Satisfaction	**1)** Improved diagnosis and treatment **2)** Personalized medicine **3)** Early detection **4)** Prevention
5.	Business Model (Revenue Model)	**Pay-per-use model:** Customers pay a fee each time they use the product or service. This model could be used for a cloud-based machine learning API that allows developers to integrate disease prediction capabilities into their own applications.
6.	Scalability of the Solution	The volume and velocity of the data. If the solution is processing a large volume of data at high velocity, then it will need to be able to scale to meet the demand.