Proposed Solution

Date	23rd October, 2023
Team ID	592321
Project Name	Diabetes Prediction Using Machine Learning

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	How might we provide the general public with a free and easy to access way to input their related personal data to diagnose their risk of diabetes in order to help them decide whether to seek medical help.
2.	Idea / Solution description	To design and deploy a model that takes inputs of basic patient histories and outputs the likelihood of diabetes in a person and assesses the importance for the same to go acquire a professional diagnosis immediately.
3.	Novelty / Uniqueness	Our model will keep the inputted data and add it to the model under the training or testing sets according to if patient diagnosis

		has been predicted or officially medically diagnosed to help feed the model constantly.
4.	Social Impact / Customer Satisfaction	The model being an open source model, would help to be integrated in major disease predicting applications. The user interface would be smooth and easy to navigate, even for individuals with minimal tech expertise.
5.	Business Model (Revenue Model)	Partnership with healthcare providers,clinics and hospitals to integrate the model into their services could be made. It could share aggregated data of anonymous users to pharmaceutical companies to support research and medicine manufacture.
6.	Scalability of the Solution	The model will be largely scalable by using database systems and implementing data pipelines. Cloud computing can also help scale up the parallel computational tasks to compute the large scale data being fed into the model.