Project Design Phase-I
Proposed Solution

Date	20 October 2022
Team ID	PNT2022TMID23784
Project Name	Deep Learning Fundus Image Of Early Detection of Diabetic Retinopathy
Maximum Marks	2 Marks

Proposed Solution Template:

The main aim of this project is to create an appropriate machine learning model to detect Diabetic Retinopathy as early as possible.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	1)To find the presence of lesions in the eye. 2) To find HbA1c level 3) Early detection of illness
2.	Idea / Solution description	1)Prediction is done at a faster rate. 2)Accuracy of prediction. 3)laser treatment can stop or slow the leakage of blood and fluid in the eye.
3.	Novelty / Uniqueness	1) Use of powerful deep neural network. 2) It provides robust and trusted support. 3)Maintaining database which contains details of the disease.
4.	Social Impact / Customer Satisfaction	1) Reduction of Diabetic Retinopathy risk. 2) Provides Digital Assistance. 3) Very helpful in making decisions faster. 4) Can be used 24x7.
5.	Business Model (Revenue Model)	1) This can be implemented as an essential diagnosis method in every hospital. 2) Accurate detection and analysis can encourage the increase in financial benefit.
6.	Scalability of the Solution	1) Accurate predictions and extensive use. 2) Based on the times of the correct diagnosis. 3) Availability.