Project design phase-I

Proposed Solution

Date	15 October 2022
Team ID	PNT2022TMID 17456
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy.
Maximum Marks	2 Marks

Problem Statement

Proposed Solution

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	I am Diabetic Retinopathy patient. I am trying to get rid of this problem for more than 5 years but there is no certain facilities to get rid of it because the solution that I had was not good which makes me feel frustrated.
2.	Idea / Solution description	Disease diagnosis from medical images has become increasingly important in medical science. Abnormality identification in retinal images has become a challenging task in medical science. Effective machine learning and soft computing methods should be used to facilitate Diabetic Retinopathy Diagnosis from Retinal Images. Artificial Neural Networks are widely preferred for Diabetic Retinopathy Diagnosis from Retinal Images.
3.	Novelty / Uniqueness	Usage of 3 layer conventional neural network for early detection of diabetic retinopathy

4.	Social Impact / Customer Satisfaction	As a result Artificial Neural Networks it is used for the diagnosis from Retinal Images for Diabetic Retinopathy so that patient can get rid of this impairment.
5.	Business Model (Revenue Model)	The government should improve AI technology in healthcare system and they should allocate fund for the introducing it.
6.	Scalability of the Solution	Patient registered with basic demographic data, base line medical information and unique I'd is created. If patient misses a treatment or they get any issues or queries they can approach nearby ophthalmologist and get clear with that.