

Project design phase-1

Proposed solution Template

Date	07 -11-2022
Team ID	PNT2022TMID52049
Project Name	Deep Learning fundus Image Analysis For Early Detection Of Diabetic Retinopathy
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)	Diabetic retinopathy is a leading cause of blindness.it becomes need of the hour to build safe and reliable system that will work on early detection of this disease and will provide genuine result.
2.	Idea / Solution description	Patient's retinal images are captured via smart phone camera and uploaded to a cloud based web application for patient data entry, image capture and uploading , integration with the AI model
3.	Novelty/Uniqueness	User can detect their disease in early stage.
4.	Social impact /customer satisfaction	Helps in preventing the loss of visibility to the needed through CSR activities or through healthcare camps.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">●Can collaborate with diagnosis centers and hospitals.●Can collaborate with government for health awareness camps.
6.	Scalability of The Solution	Laser treatment- is used to treat new blood vessels at the back of the eyes in the advanced stages of diabetic retinopathy .