Project Design Phase-I
Solution Architecture

Date	5 October 2022
Team ID	PNT2022TMID27696
Project Name	Project - Deep Learning Fundus Image Analysis For Early Detection Of Diabetic Retinopathy
Maximum Marks	4 Marks

Solution Architecture:

- ✓ Collecting the datasets of various medical tests done for patients from the hospitals .

- ✓ Feature selection – Using only the most important data and removing the unwanted features by performing dimensionality reduction .

- ✓ Applying Classification techniques like VGG16 and VGG19 algorithms.

- ✓ Model building – Create the DL model and doing testing and training on the model by providing test and train data respectively.

- ✓ Predict the output and evaluating the performance of the model.

- ✓ Deploying the model with UI with all required features.

- ✓ Providing the input data and it predicts the result.

Solution Architecture Diagram: