**Project Design Phase-I**

**Proposed Solution Template**

| Date | 19 September 2022 |
| --- | --- |
| Team ID | IBM-Project-10558-1659186640 |
| Project Name | Project - 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** |
| --- | --- | --- |
|  | Problem Statement (Problem to be solved) | **develop a application to detect Diabetic Retinopathy using fundus image** |
|  | Idea / Solution description | Use transfer learning (inception v3) on a standard cnn architecture |
|  | Novelty / Uniqueness | Transfer learning helps increase accuracy of our system as prior training knowledge is included. |
|  | Social Impact / Customer Satisfaction | People with Diabetic Retinopathy are diagnosed at a much earlier stage and can take treatment before complete blindness. |
|  | Business Model (Revenue Model) | Sell application for per api call price, this enables us to reach any doctor with a fundus image. |
|  | Scalability of the Solution | Requires only deployment servers, highly scalable on cloud platforms. |