PROJECT DESIGN PHASE 1

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| **DATE** | 2 OCTOBER 2022 |
| **TEAM ID** | 43225 |
| **PROJECT NAME** | DEEP LEARNING FUNDUS IMAGE ANALYSIS FOR EARLY DETECTION OF DIABETIC RETINOPATHY |
| **MAXIMUM MARKS** | 2 MARKS |

Proposed Solution Template:

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| **S.NO** | **PARAMETRS** | **DESCRIPTION** |
| **1.** | **Problem statement(problem to be solved)** | Early detection of diabetic retinopathy to reduce the risk of vision loss. |
| **2.** | **Idea /Solution description** | Detecting diabetic retinopathy at early stages using deep learning fundus image analysis. |
| **3.** | **Novelty /Uniqueness** | Images of eye were taken by the operator and analysis done with database. |
| **4.** | **Social impact/customer staisfaction** | It reduces the extremity of damaging retina of the eye that leads to blindness. |
| **5.** | **Business model (revenue model)** | Can collaborate with diagnosis centers and hospitals to analyse patients more precisely. |
| 6. | Scalability of the solution | Can collaborate with government for health care. |