IDEATION PHASE

THE PROBLEM STATEMENT

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| Date | 14-10-2022 |
| Team ID | PNT2022TMID20647 |
| Project Name | Deep Learning Fundus Image Analysis for Early Detection of  Diabetic Retinopathy |

Diabetic Retinopathy, is a retina disease caused by diabetic mellitus and it is the leading cause of blindness globally. Early detection and treatment are necessary in order to delay or avoid vision loss. To that end, many artificial-intelligence -powered methods have been proposed by the research community for the detection and classification of diabetic retinopathy on fundus retina images.

Customer Problem Statement:

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| I am | Sisira Age -40  I have an diabetic mellitus. |
| I’m Trying to | Remind to take injectable insulin for diabetic mellitus and need to take an proper diagnosis whether |

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|  | the eye is affected by diabetic retinopathy. |
| But | Life style challenges, patients in compatibility, forgetting of medicine use and non expert advice. |
| Because | Due to patient forgot, it will results in the high level diabetic mellitus and also results in the diabetic retinopathy, it will risk health of patient. |
| Which makes me feel | Worry about patient health for careless of taking medicine and forgetten of diagnosis test for diabetic retinopathy. |