# Project Design Phase-II
## Solution Requirements (Functional & Non-functional)

| Date | 19 October 2022 |
|------|-----------------|
| Team ID | PNT2022TMID52980 |
| Project Name | Project – Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|-------------------------------------|
| FR-1 | Uploading Image | Uploading image. |
| FR-2 | Get Verification | Get verification code from Discord |
| FR-3 | Collect Data | Collect data from various sources for training model , by accessing the data. |
| FR-4 | Create Samples | Creating samples from the data collected and train the module according to the information from the user. |
| FR-5 | Conclusion Report | After analysis a conclusion report is generated to the user. |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

| FR No. | Non-Functional Requirement | Description |
|--------|-----------------------------|-------------|
| NFR-1 | **Usability** | The specific product should be easily usable to each and every user all around the world. |
| NFR-2 | **Security** | Security of the users plays a very important role and the specific product should satisfy it. |
| NFR-3 | **Reliability** | The specific product must be totally trusted by the user . |
| NFR-4 | **Performance** | The performance of the product plays a very important role.It determines the satisfaction of the user. |
| NFR-5 | **Availability** | The product should be easily available in the market. |
| NFR-6 | **Scalability** | The product should be small and compact in size,in that case it can be easily carried by the user. |