Project Design Phase-II

Data Flow Diagram & User Stories

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| Date | 175 October2022 |
| Team ID | PNT2022TMID20392 |
| Project Name | Deep learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy |
| Maximum Marks | 4Marks |

Data Flow Diagrams:

Feature Extraction

PDR

Mild

Normal

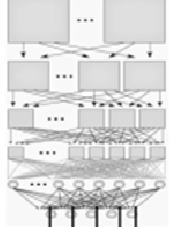
Severe

Moderate

Preprocessing

Augmentation

Training Image



Test Image

User Stories

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional**  **Requirement(Epic)** | **User Story Number** | **User Story/Task** | **Acceptance criteria** | **Priority** | **Release** |
| Diabetic Patient | Image Upload | USN-1 | The user may post a picture of eyes. | Must be able to upload easily with little verification | High | Sprint-1 |
|  | USN-2 | I will get the diagnosis report as a user within an hour. | Diagnosis must not take more time | High | Sprint-1 |
|  | USN-3 | As a user, I can receive information about my diagnosis in an easily understandable way | Information presented must be simple still having all information for the patient is necessary | Low | Sprint-2 |
|  | USN-4 | As a user, I have the option to send it to a doctor for evaluation and to receive medical advice. | Severity of disease must be notified properly | High | Sprint-3 |
|  |  |  | The information must be in a format that can be sent over mail or through other media possible | Medium | Sprint-3 |