Acceptance Testing
UAT Execution & Report Submission

Date	20 feb 2025
Team ID	LTVIP2026TMIDS82253
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to summarize the **User Acceptance Testing (UAT)** results for the *Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy* project.
This report outlines the **test coverage**, **defect status**, and **readiness of the system** for deployment from an end-user perspective.

The UAT validates that the system meets user requirements and performs as expected in real-world medical screening scenarios.

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2. Defect Analysis

This section presents the number of defects identified during UAT, categorized by severity level and resolution status.

Defect Severity Levels

- **Severity 1:** Critical – System crash / incorrect diagnosis
- **Severity 2:** High – Major functionality issue
- **Severity 3:** Medium – Minor functionality issue
- **Severity 4:** Low – UI / cosmetic issue

Defect Resolution Summary

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
Fixed	6	4	5	6	21
By Design	2	1	1	2	6
Duplicate	1	0	1	0	2
Not Reproduced	0	1	1	0	2
Won't Fix	0	1	1	1	3
Totals	**9**	**7**	**9**	**9**	**34**

3. Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested

Module / Section	Total Test Cases	Not Tested	Failed	Passed
Image Upload & Validation	10	0	0	10
Image Preprocessing	8	0	0	8
DR Prediction Engine	12	0	0	12
Web Application (Flask UI)	9	0	0	9
Performance & Response Time	5	0	0	5
Security & Access Control	4	0	0	4
Reporting & Dashboard (Optional)	6	0	0	6
Total	**54**	**0**	**0**	**54**