Acceptance Testing

UAT Execution & Report Submission

Date	16 February 2026
Team ID	LTVIP2026TMIDS88398
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 explain the test coverage, defect analysis, and open issues of the Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy project at the time of release to User Acceptance Testing (UAT).

2. Defect Analysis:

Resolution	Severity 1 (Critical)	Severity 2 (High)	Severity 3 (Medium)	Severity 4 (Low)	Subtotal
By Design	1	2	1	0	4
Duplicate	0	0	1	0	1
External	0	1	0	0	1
Fixed	3	4	5	3	15
Not Reproduced	0	0	1	0	1
Skipped	0	0	0	1	1
Won't Fix	0	1	0	1	2
Totals	4	8	8	5	25

3. Test Case Analysis:

Section	Total Cases	Not Tested	Fail	Pass
User Registration	5	0	0	5
User Login	4	0	0	4
Image Upload	6	0	0	6

Image Preprocessing	5	0	0	5
Model Prediction	8	0	0	8
Result Display	4	0	0	4
Database Storage	3	0	0	3
Security (Authentication & Session)	4	0	0	4
Exception Handling	5	0	0	5
Version Control	2	0	0	2
Total	46	0	0	46

UAT Conclusion:

All major functional and non-functional requirements were successfully tested. The system demonstrated stable performance, accurate DR stage prediction, secure user authentication, successful database integration, and smooth image processing. The project is approved for final submission after successful User Acceptance Testing.