User Acceptance Testing (UAT) Document

# Project: Learnytics- School Student Performance Tracker

Domain: Education

Date: June 20, 2025

## 1. Introduction

This User Acceptance Testing (UAT) document outlines the plan, test cases, and outcomes for evaluating the School Student Performance Tracker. It ensures the system meets user requirements before go-live.

## 2. Objectives

The objective of this UAT is to validate that the system functions correctly from the end-user perspective and aligns with the business requirements. Successful completion confirms readiness for production deployment.

## 3. Scope

The UAT scope includes:

* Student record management
* Attendance tracking and analysis
* Grade entry and performance tracking
* Dashboards and reporting features
* Role-based access control
* Alert and notification system

## 4. Role & Responsibility

|  |  |
| --- | --- |
| Role | Responsibility |
| Project Manager | UAT planning and execution oversight |
| Faculty Representative | End-user testing from teacher’s perspective |
| Admin Staff | Test administrative functions |
| Student Volunteer | Validate student interface and views |
| IT Support | Assist with technical issues during testing |

## 5. Entry and Exit Criteria

Entry Criteria:

* Development and internal QA completed
* Test environment is set up
* UAT test plan and scripts are approved
* Sample test data is loaded

Exit Criteria:

* All critical test cases passed
* No open high-priority defects
* Stakeholders have signed off
* UAT completion report submitted

## 6. Test Scenarios

1. Student record creation and validation
2. Attendance entry and report validation
3. Marks entry and percentage calculation
4. Alert generation for low attendance/grades
5. Access control based on roles
6. Report export functionality
7. Dashboard trend visualization

## 7. Test Cases

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case ID | Scenario | Steps | Expected Result |
| UAT-01 | Add Student Record | Login as admin → Add student → Submit | Student record is created successfully |
| UAT-02 | Enter Grades | Login as faculty → Enter marks → Save | Grades are saved and calculated |
| UAT-03 | Mark Attendance | Login as faculty → Mark present/absent → Save | Attendance saved correctly |
| UAT-04 | Low Performance Alert | Enter poor grades → System checks thresholds | Alert is triggered |
| UAT-05 | Dashboard Access | Login as admin → View dashboard | Performance data displayed |
| UAT-06 | Role-based Access | Login as student/faculty/admin | Only allowed features visible |

## 8. Test Data

Sample data used during UAT includes student profiles, attendance logs, grade entries, and user roles. Data should represent real-life academic structures and variations.

## 9. Defect Report

All defects identified during UAT will be logged with the following details:

|  |  |  |  |
| --- | --- | --- | --- |
| Defect ID | Description | Severity | Status |
| UAT-DEF-01 | Attendance not saving for multiple students when marked in bulk | High | Open |
| UAT-DEF-02 | Student dashboard showing faculty-only reports | Medium | Fixed |
| UAT-DEF-03 | Low performance alert not triggering below 35% marks | High | In Progress |
| UAT-DEF-04 | Export to PDF button not working in the reports section | Medium | Fixed |
| UAT-DEF-05 | Admin unable to reset passwords for faculty accounts | High | Open |
| UAT-DEF-06 | Dashboard trend graph not updating after recent data changes | Low | In Progress |
| UAT-DEF-07 | Role-based access: Student able to view attendance entry form | Critical | Open |
| UAT-DEF-08 | Grades not rounded correctly (e.g., 89.6% shows as 89% instead of 90%) | Low | Fixed |

|  |  |  |  |
| --- | --- | --- | --- |
| Defect ID | Description | Severity | Status |

## 10. Sign Off

|  |  |  |  |
| --- | --- | --- | --- |
| Stakeholder | Role | Signature | Date |
| Project Sponsor | Approver |  |  |
| Faculty Lead | User |  |  |
| IT Head | Technical Lead |  |  |
| QA Lead | Testing Lead |  |  |