### ****Test Plan – College Management Portal****

#### ****1. Purpose****

This document explains how the College Management Portal will be tested to make sure it works as expected. It includes what to test, how to test it, and what tools will be used.

#### ****2. Objectives****

* To check that all main features are working correctly (e.g., Student Registration, Login, Attendance).
* To find and fix any bugs before final submission.
* To make sure the system works smoothly on different devices.

#### ****3. Modules to Be Tested****

* Student Module
* Faculty Module
* Admin Module
* Attendance & Grade Management

#### ****4. Main Features to Test****

* Login/Logout functionality
* Data entry and validations
* Access control based on user roles
* Reports (attendance, results, fee)

#### ****5. Features Not Included in Testing****

* Payment gateway (not implemented)
* Real email or SMS services (mocked)

#### ****6. Testing Types****

* Unit Testing: Checking individual functions
* Integration Testing: Making sure different parts work together
* System Testing: Testing the full portal end-to-end
* UAT (User Acceptance Testing): Testing from user point of view

#### ****7. Timeline****

| **Phase** | **Start Date** | **End Date** |
| --- | --- | --- |
| Unit Testing | July 25 | July 27 |
| Integration Testing | July 28 | July 30 |
| System Testing | July 31 | Aug 2 |
| UAT | Aug 3 | Aug 4 |

#### ****10. Deliverables****

* Test Cases Excel Sheet
* Bug Report
* Summary Report