



LEARNING MANAGEMENT SYSTEM FOR SYS COLLEGE

REQUIREMENTS TRACEABILITY MATRIX

14 JULY 2025

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EX DEV & TECHNICAL BUSINESS ANALYST



1. **Module Codes and Description**

#	CODE	MODULE	DESCRIPTION
1	CM	Course Management	Requirements related to creating, editing, and managing courses, modules, and content.
2	CD	Content Delivery	Requirements for how students access course materials, interact with content, and receive updates.
3	ES	Enrollment & Scheduling	Covers student enrollment, course assignment, academic calendars, and timetable management.
4	UM	User Management	Requirements for user registration, login, role-based access control, and authentication.
5	AA	Assignment & Assessment	Creating, submitting, grading, and managing assignments and exams.
6	AR	Analytics & Reporting	Dashboards, KPI tracking, and performance summaries.
7	RP	Compliance & Reporting	Institutional reports, attendance, and audit compliance.

BR = Business Requirements

FR = Functional Requirements

2. Requirement Traceability Matrix (RTM)

#	BR ID	REQUIREMENT	FR ID	USE CASE	TEST CASE
1	BR-01	Faculty can create and manage course content and assessments	FR-CM-01 to FR-CM-04, FR-AA-01 to FR-AA-05	Create Course, Manage Course, Upload Content, Manage Grades	
2	BR-02	Students can access content, view courses, and submit assignments	FR-CD-01 to FR-CD-04, FR-AA-02	View Content, View Courses, Submit Assignment	
3	BR-03	Admin staff can enroll students and manage course schedules	FR-ES-01 to FR-ES-04	Enroll Student, Manage Schedule	
4	BR-04	Department heads can access dashboards and performance analytics	FR-AR-01 to FR-AR-03	View Dashboard, Analyze Performance	
5	BR-05	Secure authentication and role-based access	FR-UM-01 to FR-UM-04	Register, Login	
6	BR-06	System integrates with SIS, AD, and Turnitin	FR-ES-01, FR-UM-02, FR-AA-03	Authentication, Sync Students, Check Plagiarism	
7	BR-07	System is mobile-friendly and accessible	FR-CD-04, FR-UM-01	All Student & Faculty Interfaces	
8	BR-08	Admin staff can generate compliance and audit reports	FR-RP-01 to FR-RP-04	Generate Reports, Monitor Compliance	