Students Kit

Project Title: E - Learning Resource Management

Requirements Specification (RS)

No.	Requirement	Essential / Desirable	Description of the Requirement	Remarks
RS1	User Registration	Essential	A form for new users to create an account by entering their details.	Includes email and password.
RS2	User Login	Essential	Secure login system for registered users to access their panel	Different panels for student/admin
RS3	Profile Management	Essential	Users can update name, occupation, image, and password	Enhances user experience.
RS4	Course Management	Essential	Admin can add, edit, delete course information and associated lessons.	Uses structured course modules.
RS5	Feedback System	Essential	Registered users can submit feedback.	Helps improve service quality.
RS6	Lesson Access	Essential	Students can view video lessons for the courses they purchased.	Requires login and purchase

RS7	Payment Integration	Essential	Students can pay via Paytm to access paid courses.	Displays payment status and receipts.
RS8	Sell Report Generation	Essential	Admin can view/download sells reports for courses sold.	Useful for monitoring revenue.
RS9	Notification of Payment Status	Essential	Students can track status of their course payments	Based on order ID.
RS10	Contact Form	Essential	Users can reach out to the admin for queries via a contact form.	Basic support interface.
RS11	Admin Dashboard	Essential	Admin can view system-wide stats, feedback, and manage all entities.	Centralized control panel.
RS12	Secure Data Handling	Essential	Data integrity and access control measures implemented using PHP/MySQL.	Prevents unauthorized access.

Database Fields Specification

No.	Field Name	Range of valid values for the field	Remarks
1	admin_id	int(11)	Unique identifier
2	admin_name	varchar(255)	Admin's name
3	admin_email	varchar(255)	Admin's email
4	admin_pass	varchar(255)	Encrypted password

Student_info

No.	Field Name	Range of valid values for the field	Remarks
1	**Student** ID	Alphanumeric, unique identifier	Unique identifier for each user.
2	Username	Alphanumeric	Unique username for login`
3	Password	Alphanumeric/ Numeric	Encrypted password for user authentication
4	Email	Alphanumeric (Email format)	User's email address
5	UserType	Enumerated (User/Admin)	Type of user (Admin privileges for administrative users)

High Level/Detailed Design (HLD/DD)

Design Components

User Interface Modules:

- Home Page

- Course Listing

- Registration Form

- Login Page

- Student Dashboard

- Course Access

- Payment Status

- Feedback Form

- Contact Page

Admin Interface Modules:

- Admin Login

- Dashboard Overview

- Course and Lesson Management

- Student Records

- Feedback Monitoring

- Payment & Order Monitoring

- Sell Report

- Password Change

Test-Plan (TP)

No.	Test case Title	Description	Expected Outcome	The requirement in RS that is being tested	Result
1	User Registration	Test the registration of a new user with valid input (Email, Password).	The user is successfully registered with the provided information.	User Registration	Passed
2	User Login	Test user login with valid credentials.	The user is logged in and redirected to the user dashboard.	User Authentication	Passed
3	Profile Update	Test if student can edit profile and upload image	The user receives the message as per their preferred channel.	Updation System	Passed
4	Course Purchase	Test if the user can purchase courses	The user is purchased and redirected to the payment page	User Authentication	Passed
5	Admin Login	Test admin login with valid admin credentials.	Admin is logged in and redirected to the Admin Dashboard.	Admin Authentication	Passed
6	Admin Role Management	Test if the admin can create, update, and delete user roles	Admin can successfully manage user roles.	Role Management	Passed

7	View Payment Status Monitoring	Test if the admin can monitor the current status of payment .	Admin can see the user's current status	Admin Dashboard	Passed
8	Admin User Management	Test if an admin can view, edit, or deactivate user accounts.	Admin can manage user accounts by viewing, editing, and deactivating them.	User Management (Admin Management)	Passed
9	Admin Access to System Logs	Test if the admin can access system logs and monitor the status of notifications.	Admin can view detailed logs for error monitoring and message delivery.	System Monitoring & Logs (Admin Dashboard)	Passed