Project Proposal: Intern LMS System for Glaxit

# Objective

To design and develop an intuitive Learning Management System (LMS) tailored for managing Glaxit interns. The platform will allow supervisors to manage intern data, assign tasks, track progress, and reward accomplishments. Interns will be able to upload completed work, view their learning progress, and earn achievements.

# Core Features

## Intern Management

* Store intern data (Name, Email, Department, Internship Duration, etc.)
* View all interns in an admin dashboard
* Ability to activate/deactivate interns

## Task Management

* Admins can create and assign tasks (with file attachments if needed) and set deadlines
* Interns can view assigned tasks, upload completed work (files), and add notes or comments

## Progress Tracking

* Radar Chart/Level Bar for visual intern progress tracking
* Tracks task completion, timely submissions, quality feedback

## Rewards & Badges System

* Earn badges for completing tasks on time, hitting weekly/monthly goals, and high-quality submissions
* Fastest Responder Badge for first quality submission per task
* Optional Top Intern leaderboard

## Authentication & Security

* Google OAuth 2.0 Authentication for interns
* Admin-only access for task assignment and analytics

## File Handling & Storage

* Secure file upload & download
* Metadata for uploaded files (timestamp, file type, etc.)

## Notifications

* Email or dashboard notifications for new tasks, deadline reminders, badge achievements

## Dashboard Overview

* Admin: Active Interns, Task completion rate, Badge distribution
* Interns: Assigned Tasks, Progress Radar, Earned Badges

# Tech Stack

* Frontend: HTML, CSS, JavaScript
* Backend: Node.js, Express.js
* Database: MySQL
* Charts: Chart.js or D3.js
* Authentication: Google OAuth 2.0
* File Upload: Multer (Node.js middleware)
* Hosting: Vercel/Render (Frontend), Railway/Render (Backend), Planetscale (MySQL)

# Project Timeline & Milestones

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| Milestone # | Description | Est. Duration |
| M1 | Requirements Gathering & Planning - Define feature list, design ER Diagram, finalize UI Wireframes | 2 days |
| M2 | Backend Setup - Setup Node.js + Express server, connect MySQL database, create models | 3 days |
| M3 | Frontend Setup & Basic UI - Setup HTML/CSS/JS structure, login page with Google OAuth, dashboards | 4 days |
| M4 | Intern & Task Management - Add/view intern data, assign/view/upload tasks, file handling | 4 days |
| M5 | Progress Radar & Badge System - Integrate Chart.js, implement badge logic, leaderboard | 3 days |
| M6 | Testing & Debugging - Validate inputs, fix bugs, optimize responsiveness | 2 days |
| M7 | Deployment & Final Touches - Deploy, configure DB, prepare documentation | 2 days |

# Outcome

This lms will streamline intern management at glaxit boost engagement through gamification (badges and levels), and provide admins with tolls to evaluate intern performance efficiently. Interns will enjoy a modern, interactive enviornments that mimics real workplace task handling.