Project Report: Learning Management System (LMS)

1. Introduction
This project is a Learning Management System (LMS) built using Django. It is designed to manage users (students, teachers), courses, enrollments, assignments, announcements, and quizzes. It provides a centralized platform for students and teachers to interact and participate in academic activities.

2. Objectives
- Provide a digital platform to manage courses and enrollments.
- Enable teachers to create and manage quizzes and assignments.
- Allow students to view course materials and submit assignments.
- Simplify communication through announcements.
- Track student progress via dashboards.

3. Features
- User Authentication (Student & Teacher login)
- Dashboard for students and teachers
- Course enrollment system
- Assignment upload and submission system
- Quiz creation, listing, and submission
- Announcement management by teachers
- View results and grades

4. Technology Stack
- Frontend: HTML, CSS, Bootstrap
- Backend: Django (Python Framework)
- Database: SQLite
- Templates: Django Templating Engine

5. Modules
- Accounts Module: Manages registration, login, and user roles
- Courses Module: Handles course creation and enrollment
- Assignments Module: Teachers upload, students submit
- Quizzes Module: Create, view, and attempt quizzes

- Announcements Module: Teachers post news/updates
- Dashboard Module: Personalized view for each user

6. Future Enhancements

- Add email notifications
- Integrate calendar reminders
- Implement advanced quiz analytics
- Include video lecture support
- Mobile responsive design

7. Conclusion

The LMS system streamlines academic processes and communication between students and teachers. It lays the foundation for a more interactive and digital learning experience.