

# Team Management App (Web-Based)

## Core Roles

Need strict role-based access control:

- CEO
- HR
- Team Lead
- Intern

Each role sees different dashboards and actions.

## System Flow (How It Should Work)

### HR

Creates Intern accounts  
Assigns Intern → Team Lead  
Can assign/change Team Lead  
Views all reports and analytics

### CEO

Assigns Team Leads  
Can reassign Team Leads  
Views overall company analytics  
Access to all project progress

### Team Lead

Receives interns under them  
Creates projects/tasks  
Sets deadlines  
Reviews intern weekly submissions (PDF)  
Approves / rejects / adds feedback

### Intern

Views assigned project  
Uploads weekly work:

Title  
Description  
Required documents (PDF)  
Sees feedback  
Sees progress tracker

## **Main Modules**

### 1. Authentication Module

Role-based login  
Secure JWT authentication  
Password reset  
Profile management

### 2. Project Assignment Module

Fields for Project:  
Project Title  
Description  
Start Date  
Deadline  
Assigned Intern  
Assigned Team Lead  
Status (Ongoing / Completed)

### 3. Daily and Weekly Work Submission Module

Intern uploads:  
Serial no  
Title  
Description  
PDF upload  
Optional: additional documents  
Team Lead actions:  
Approve  
Request changes  
Add comments

### 4. Analytics Dashboard

## CEO Dashboard

Total Interns  
Total Active Projects  
Completion Rate %  
Daily and Weekly submission consistency  
Team-wise performance chart

## HR Dashboard

Intern count per Team Lead  
Attendance or submission tracking  
Delayed submissions  
Active vs Completed projects

## Team Lead Dashboard

Pending reviews  
Intern progress %  
Missed deadlines  
Performance comparison

## **Progress Tracking**

Submission consistency graph  
Completion percentage bar  
Timeline tracker  
Productivity score (based on deadlines + approvals)

## **Notifications System**

Project assigned → Notify intern  
Submission uploaded → Notify Team Lead  
Feedback added → Notify Intern  
Deadline reminder (auto reminder 1 day before)

Can implement:  
In-app notification system  
Email notifications

Optional later: WhatsApp/Slack integration

## **Suggested Tech Stack**

Frontend:

React (Next.js recommended)

Tailwind CSS

Backend:

Node.js + Express

OR

Django (if Python)

Database:

PostgreSQL

Firebase (if you want simpler setup)

File Storage:

Cloudinary / AWS S3 / Firebase Storage

Authentication:

JWT + Role-based middleware

Deployment:

Vercel (frontend)

Render / Railway (backend)