

EduSphere – Team Task Division Document

Project Overview:

This document defines the task allocation for the EduSphere project team. The responsibilities are divided among five members to ensure efficient development, clear accountability, and timely completion within the 3-month academic timeline.

Member 1 – Frontend Lead (Student Module)

- Design Student Dashboard (React)
- Login & Authentication UI
- Profile View/Update Page
- Attendance, Results & Notifications Pages
- Grievance Submission Form
- API Integration
- Responsive UI Design

Member 2 – Frontend (Faculty & Admin Module)

- Faculty Dashboard UI
- Attendance Management Interface
- Marks Upload Interface
- Admin Dashboard UI
- Reports & Analytics View
- Role-Based Navigation

Member 3 – Backend Lead

- Backend Setup (Node.js/Django)
- JWT Authentication
- Password Encryption
- RESTful API Development
- Role-Based Access Control (RBAC)
- API Documentation

Member 4 – Database & Architecture

- Database Schema Design
- ER Diagram Creation
- Create Tables/Collections
- Query Optimization
- Data Validation
- Backup Strategy

Member 5 – DevOps & QA

- Docker Configuration
- Deployment Setup
- API Testing
- Security Testing
- System Testing
- Final Documentation & Presentation

Suggested Timeline (3 Months)

- Month 1: Backend setup, database design, authentication, and basic frontend structure.
- Month 2: Complete Student and Faculty modules with grievance workflow.
- Month 3: Admin module, testing, deployment, and documentation.