

HRMS Backend Full Setup Guide (Roman Urdu)

1. Required Packages

- express
- mongoose
- dotenv
- bcryptjs
- jsonwebtoken
- nodemailer
- multer
- cloudinary
- cors
- express-async-handler
- cookie-parser

Note: Tu inko `npm install` se install karega.

2. Folder Structure

project-root/

|-- config/ # DB & Cloudinary config files

| |-- db.js

| |-- cloudinary.js

|-- controllers/ # All logic functions (e.g. login, register, etc.)

| |-- companyController.js

|-- middleware/ # Auth middlewares, error handlers

| |-- authMiddleware.js

| |-- errorMiddleware.js

|-- models/ # MongoDB Schemas (Mongoose)

| |-- Company.js

HRMS Backend Full Setup Guide (Roman Urdu)

|-- routes/ # Express Routes

| |-- companyRoutes.js

|-- uploads/ # Temporary folder for multer (optional)

|-- .env # Environment variables (DB_URI, JWT_SECRET etc.)

|-- server.js # Entry Point

|-- package.json

3. .env File Example

PORT=5000

MONGO_URI=mongodb://localhost:27017/hrms

JWT_SECRET=your_jwt_secret

CLOUDINARY_CLOUD_NAME=your_cloud_name

CLOUDINARY_API_KEY=your_api_key

CLOUDINARY_API_SECRET=your_api_secret

4. API Routes (Sample)

POST /api/inviteCompany

POST /api/registerCompany

POST /api/registerCompanyAdmin

POST /api/company/:name/login

GET /api/company/:name

POST /api/company/:name/apply

GET /api/company/:name/dashboard

POST /api/company/:name/attendance

POST /api/company/:name/inviteUser

DELETE /api/company/:name/user/:email

5. Notes (Roman Urdu)

- Har company ka data ek document me hoga (multi-tenant)
- Har user ke andar attendance, leaves aur documents honge

HRMS Backend Full Setup Guide (Roman Urdu)

- Sirf 3 roles honge: admin (owner), hr, employee
- JWT use hoga login ke liye
- Cloudinary use karna profilePic, resume, logo ke liye
- Multer use hoga file upload handle karne ke liye
- Email invitation ke liye nodemailer use hoga