

Team Tracker

AI-Assisted Build Plan • Project Timeline

18 - 20 Days	6D/Week, 8H/Day	1 People
Total Work	Schedule	Team Size

1. Project Overview

A comprehensive HR/Team Management System built with React (frontend) and NestJS (backend)

Project Status:

- ☒ Frontend UI: 100% Complete
- ☒ Backend setup: Complete (NestJS, Prisma, Database)
- ☒ Owner authentication: Complete & Working
- ☒ Database schema: Complete

1.1 Tech Stack

Front-End	Back-End
• Framework: React 19 + TypeScript + Vite • UI Library: shadcn/ui • State Management: Redux Toolkit • Form Handling: React Hook Form + Zod validation	• Framework: NestJS 10 • Database: MySQL • ORM: Prisma 7.4 • Authentication: JWT + Passport • Validation: Class Validator + Zod

2. Work Breakdown

2.1 Backend APIs (Days 1-5)

Day	Module	Time
Day 1	Members + Departments + Designations + Hiring Sources + Employment Types + Locations	8 hrs
Day 2	Attendance	8 hrs / day
Day 3	Leave Management	8 hrs
Day 4	Holidays + Notice + Events + Settings	8 hrs
Day 5	Calendar + Permissions	8 hrs

2.2 Frontend Integration (Days 6-17)

Day	Module	Time
Day 6	Super Admin, Admin/Member Authentication	8 hrs / day
Day 9-11	Members, Attendance, Leave, Holidays, Event	8 hrs / day

Day 12	Calendar	8 hrs / day
Day 13	Permissions, Profile	8 hrs
Day 14	Other Pages	8 hrs / day
Day 15-17	Feedback + Final fixes	8 hrs / day

2.3 Lunch (Days 18)

Day	Module	Time
Day 18	Production launch	8 hrs

3. Quick Reference: What's Already Done

3.1 Frontend UI

- All 11 pages exist (members, attendance, leave, calendar, performance, permissions, reports, profile, Notice, General and settings)
- Using mock data currently
- Components fully styled with shadcn/ui

3.2 Backend Foundation

- NestJS setup complete

- Prisma ORM configured
- Database connection working
- MySQL database ready
- Owner authentication working (5 endpoints live)

3.3 Infrastructure

- TypeScript configured
- Redux state management ready
- Axios HTTP client configured
- ESLint + Prettier setup

3.4 Database

- Prisma schema with models
- All relationships defined
- Migrations generated
- Ready for new modules

4. Success Criteria

4.1 Backend

- API endpoints built & tested
- Performance optimized

4.2 Frontend

- All pages integrated to API
- All forms working with validation
- All data displaying correctly
- Loading states visible
- Error handling working

4.3 System

- [] Performance verified

- [] Security verified
- [] Database production-ready
- [] Monitoring active

4.4 Launch

- [] Production deployment successful
- []  System live in production