



IBM NM 5th sem 2025-26

Project Phases Example (Frontend & Node.js REST API)

Phase 1 — Problem Understanding & Requirements(Deadline – Week 7)

- Problem Statement
- Users & Stakeholders
- User Stories
- MVP Features
- Wireframes / API Endpoint List
- Acceptance Criteria

Phase 2 — Solution Design & Architecture(Deadline – Week 7)

- Tech Stack Selection
- UI Structure / API Schema Design
- Data Handling Approach
- Component / Module Diagram
- Basic Flow Diagram

Phase 3 — MVP Implementation(Deadline – Week 8)

- Project Setup
- Core Features Implementation
- Data Storage (Local State / Database)
- Testing Core Features
- Version Control (GitHub)

Phase 4 — Enhancements & Deployment(Deadline – Week 9)

- Additional Features
- UI/UX Improvements
- API Enhancements
- Performance & Security Checks



- Testing of Enhancements
- Deployment (Netlify, Vercel, or Cloud Platform)

Phase 5 — Project Demonstration & Documentation(Deadline – Week 10)

- Final Demo Walkthrough
- Project Report
- Screenshots / API Documentation
- Challenges & Solutions
- GitHub README & Setup Guide
- Final Submission (Repo + Deployed Link)