

## Annexure I (For Project development)

**1) Project statement :**

Developing an AI-powered web app where developers can link repositories, view AI-generated commit summaries, and search code using natural language.

**2) Approximate duration(in hours)to complete the project:** 90-120 hours

**3) Proposed Project in charge:** Ishaan Singla

**4) Team Members along with roll no's:**

(i) Ishaan Singla (2210992582)

(ii) Sanya (2210992255)

(iii) Sanskriti (2210992252)

**5) Check Points:**

a) Does the project statement result in a product? If yes, what type of product?

i) Yes, a web-based app that helps developers manage repositories, view AI-generated commit summaries, and search code using natural language.

b) if it is a product, can a prototype be made, if not, what is it, which we can produce that our teachers can evaluate:

i) Yes, a functional prototype of the web app can be made, showcasing key features like repository linking, AI-generated commit summaries, and basic code search for evaluation.

c) Does the project statement use multiple concepts to achieve the outcome? (yes/no): Yes

d) does it have enough for our team members to do sufficient amount of work? (yes / no): Yes

**6) Technical Nodes** *(add more rows in the table below , if required)*

Subject/Area/ Topic	Technical Notes
Frontend	Next.js, React.js, HTML/CSS, JavaScript, API integration (Google Gemini, Assembly AI), UI libraries (Shadcn)
Backend	Neon Console (database management), Clerk (authentication), API integration (Assembly AI, Google Gemini), GitHub API for repository linking

**7) Prerequisites (in terms of knowledge, concepts and material) for doing the Project:**

a) Knowledge of Next.js, React.js, HTML/CSS, JavaScript, API integration (e.g., Google Gemini, Assembly AI), user authentication (Clerk), database management (Neon Console), Git/GitHub, and deployment (Vercel).

**8) Material that may be required to make the project and where it might be available:**

a) Development tools (VS Code), libraries (Next.js, React.js, Google Gemini AI, Assembly AI, Clerk), database (Neon Console), deployment platform (Vercel), and version control (Git/GitHub) from online resources and package managers.

**9) What could the total cost of the project?**

a) Rs 359 / hour

**10) Resources available to us:**

a) Online development resources, open-source libraries, AI tools (e.g., Google Gemini, Assembly AI), GitHub for version control, and community support through forums, documentation, and tutorials.