

Annexure I (For Project Proposal for BEE)

1. Project Statement: This project aims at creating a social media platform where users can interact with each other.
2. Approximate duration (in hours) to complete the project: 333hrs
3. Proposed Project In charge: JAI KUMAR GOEL
4. Team Members along with roll no’s:

a. JAI KUMAR GOEL 2210991693

b. JAPIT ARORA 2210991695

1. Check Points:
   1. Does the project statement result in a product? If yes, what type of product? Yes, a creative social media platform.
   2. If it is a product, can a prototype be made, if not, what is it, which we can produce that our teachers can evaluate. Yes, a prototype can be made for the project.
   3. Does the project statement use multiple concepts to achieve the outcome? (yes/no) Yes
   4. Does it have enough for our team members to do sufficient amount of work? (yes / no) Yes

1. Technical Nodes (add more rows in the table below, if required)

|  |  |
| --- | --- |
| Subject / Area / Topic | Technical Nodes |
| Backend Development | Node.js, Express.js, MongoDB |
| Frontend Development | React.js, HTML, CSS, JavaScript |
| Real-time Communication | WebSockets, Socket.IO |
| User Authentication | JWT (JSON Web Tokens), Passport.js |
| Database Management | MongoDB, Mongoose |
| Deployment | AWS, or any cloud service |
| Version Control | Git, GitHub |

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

Understanding of MERN stack (MongoDB, Express.js, React.js, Node.js)

Experience with user authentication and authorization mechanisms

Familiarity with database management and CRUD operations

Knowledge of version control systems (e.g., Git)

1. Material that may be required to make the project and where it might be available

 Laptops/Desktops with internet access

MERN stack setup on local machines

Code editor (e.g., VS Code)

Online resources and documentation (available on official websites and platforms like MDN, Stack Overflow)

1. What could the total cost of the project?

N/A

1. Resources available to us:

Laptops/Desktops with required software installed

Internet access

Online documentation and tutorials

Code repositories (e.g., GitHub)

Cloud services (e.g., MongoDB Atlas free tier)