



# SHARENEST

# ABSTRACT

ShareNest is a platform designed to allow B.Tech students to showcase their projects and link them to their business or job profiles. It provides a space for students to securely share their flat projects and book accommodations. This helps students demonstrate their skills and experience to potential employers. The platform uses modern web technologies to ensure a seamless user experience.

# INTRODUCTION

- What is ShareNest? An interactive and user-friendly web platform designed specifically for our college community.
- A centralized hub for students to upload, share, discover, and rate academic projects across various subjects.
- Why ShareNest? To foster collaboration among students.
- To encourage innovation and creativity.
- To create a valuable repository of knowledge accessible to current and future students.

# EXISTING METHODS

- Current Challenges: Lack of a Centralized Platform: Projects are scattered across personal drives, emails, and various online locations.
- Limited Collaboration: Difficult to find and connect with students working on similar projects.
- Knowledge Silos: Valuable project insights are not easily accessible to others.
- No Formalized Feedback System: Limited opportunities for peer review and constructive criticism.

# PROPOSED METHOD

- ShareNest: The Solution A dedicated web platform to address the challenges of project sharing and collaboration.
  - Key Features:Project Upload and Sharing: Easy-to-use interface for submitting and sharing projects.
  - Subject-Based Categorization: Projects organized by subject and course for easy browsing.
  - Rating and Review System: Students can rate and provide feedback on projects.
  - Collaboration Tools: Integrated features for connecting with other students and forming project teams.
  - Search Functionality: Robust search capabilities to quickly find relevant projects.
  - User Profiles: Showcase your projects and skills to the community.

# ARCHITECTURE

- High-Level System ArchitectureFrontend: User interface built with HTML, CSS, and JavaScript (e.g., React, Angular, or Vue.js).
- Backend: Server-side logic and API built with a language like Python (Django, Flask), Node.js (Express), or Java (Spring).
- Database: Storage for project data, user information, and ratings (e.g., MySQL, PostgreSQL, MongoDB).
- Cloud Hosting: Platform hosted on a cloud service like AWS, Google Cloud, or Azure for scalability and reliability.

# MODULES

- User Management:Registration, login, profile, authentication, roles.
- Project Management:Upload, categorize, list, detail, edit, delete projects.
- Rating & Review:Submit ratings, comments, moderation.
- Search:Keyword, advanced, and user search.
- Admin Modules:Category management, reporting.
- Future Modules:Collaboration tools, notifications.

# HARDWARE AND SOFTWARE REQUIREMENTS

**Hardware Requirements (Server):** Sufficient processing power (e.g., multi-core CPU).  
Adequate RAM (e.g., 8GB or more).  
Sufficient storage space for project files and database (e.g., 100GB+).

**Software Requirements:** Operating System: Linux (Ubuntu, CentOS) or Windows Server  
Web Server: Nginx or Apache  
Programming Languages: Python, JavaScript, HTML, CSS  
Frameworks: Django/Flask (Python), React/Angular/Vue.js (JavaScript)  
Database: MySQL, PostgreSQL, MongoDB  
Development Tools: IDE (VS Code, PyCharm), Git for version control



# CONCLUSION

ShareNest provides an innovative solution for B.Tech students to share their projects and enhance their professional profiles. By utilizing the latest web technologies and focusing on user experience, ShareNest aims to bridge the gap between academic projects and professional opportunities. The platform promises to deliver a high-performance technology that fosters innovation and impact.



**THANK YOU**