1. Introduction:

Project Title: Rhythmic Tunes your melodic companion

Team ID:NM2025TMID34838

Team Leader: PRAVEENASHAINI A [-24ucs540@avasctnj.edu.in](mailto:-24ucs540@avasctnj.edu.in)

TEAM Members:4

1.RAKSHANA S [-24ucs544@avasctnj.edu.in](mailto:-24ucs544@avasctnj.edu.in)

2.SARITHA S [-24ucs555@avasctnj.edu.in](mailto:-24ucs555@avasctnj.edu.in)

3.SWETHA J  [-24ucs563@avasctnj.edu.in](mailto:%20%20-24ucs563@avasctnj.edu.in)

4.YOGESHWARI D [-24ucs573@avasctnj.edu.in](mailto:-24ucs573@avasctnj.edu.in)

---

2. Project Overview:

Purpose:

This project connects clients and freelancers through project postings, bidding, and real-time communication.

Features:

Project posting and bidding

Secure chat system

Feedback and review system

Admin control panel

Architecture:

Frontend: ReactJS with Bootstrap and Material UI

Backend: Node.js & Express.js managing server logic and API endpoints

Database: MongoDB for user data, project information, applications, and chat messages

Setup Instruction:

Prerequisites:

Node.js

MongoDB

Git

React.js

Express.js

Mongoose

Visual Studio Code

Installation Steps:

# Clone the repository

git clone <repository-url>

# Install client dependencies

cd client

npm install

# Install server dependencies

cd server

npm install

│ └── controllers/

Project Documentation

---

Running the Application:

documentation

Project Documentation

Folder ion

Project Documentation

Folder #ct Documentation

Folder #

│ ├── nation

Folder #

│ ├── e.js backForntend:

cd client

npm start

Backend:

cd server

npm start

Access: Visit http://localhost:3000

---

7. API Documentation:

User:

/api/user/register

/api/user/login

Projects:

/api/projects/create

/api/projects/:id

Chats:

/api/chat/send

/api/chat/:userId

---

8. Authentication:

JWT-based authentication for secure login

Middleware protects private routes

---9. User Interface:

Landing Page

sFreelancer Dashboard

Admin Panel

Project Details Page

---

10. Testing:

Manual testing during milestones

Tools: Postman, Chrome Dev Tools

---

11. Screenshots or Demo:

---

12. Known Issues:

---

13. Future Enhancements: