**Project Documentation**

**Project Title**

1. **Introduction**

• Project Title: CookBook: Your Virtual Kitchen Assistant

• Team ID : NM2025TMID42375

• Team Leader: K.ASWINI & aswinikarunakaran11@gmail.com

• Team Members: 4

–ALIMA.B & alimaallu672007@gmail.com

– ASHIN.T & ashinthoppaiyan@gmail.com

\_ATCHATA & atchayasoundhar@gmail.com

**2.Project Overview**

**• Purpose:** SB Works 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

**3.Architecture**

**• Frontend:** React.js with Bootstrap and Material UI

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

**• Database:** MongoDB stores user data, project information, applications, and chat messages

**4. Setup Instructions**

**• Prerequisites:**

– Node.js

– MongoDB

– Git

– React.js

– Express.js

– Mongoose

– Visual Studio Code

**• Installation Steps:**

# Clone the repository git clone

# Install client dependencies cd client npm install

# Install server dependencies cd ../server npm install

**5.Folder Structure**

SB-Works/

|-- client/ # React frontend

|\_\_components/

L\_\_ pages/

|\_\_ server/ # Node.js backend

|\_\_routes/

|\_\_ models/

|\_\_ controllers/

6.Running the Application

**• Frontend:**

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/creat

– /api/projects/:id • **Applications:** /api/apply

**• Chats:**

– /api/chat/send

– /api/chat/:userId

**8.Authentication**

• JWT-based authentication for secure login

• Middleware protects private routes

9. User Interface

• Landing Page

• Freelancer Dashboard

• Admin Panel

• Project Details Page

**10. Testing**

• Manual testing during milestones

• Tools: Postman, Chrome Dev Tools

**11. Screenshots or demo**

A Demo of how to use the nan mudhalvan training

A screenshot of the nan mudhalvan portal(like dashboard,login page,etc.)

**12. Known Issues**

Website or App Performance issues

Slow loading times

Occasional downtime or server error

13**. Future Enhancements**

- Use AI to suggest couses based on user skills, interest