This document is meant for developers in the project.  
Please follow below steps to get started with the project and this document will be updated as we progress on the project.

1. **Cloning GIT repo ->**   
   *git clone https://github.com/madhunica-balasubramanian/EmployeePerfMonitoringSystem.git /Users/madhunica/Desktop/CMPE272/PROJECT/development --progress*

*cd /Users/madhunica/Desktop/CMPE272/PROJECT/development*

*git checkout development*

1. **Create Structure in VS Code for frontend using react.js , backend using python, database setup using postgres.**

***BackEnd 🡪***

*cd /Users/madhunica/Desktop/CMPE272/PROJECT/EmployeePerfMonitoringSystem*

*mkdir -p backend/app/{models,routes,services,utils}*

*mkdir -p backend/tests*

*touch backend/app/\_\_init\_\_.py backend/app/config.py backend/app/main.py backend/requirements.txt*

*Structure*

*backend/*

*├── app/*

*│ ├── \_\_init\_\_.py*

*│ ├── models/*

*│ ├── routes/*

*│ ├── services/*

*│ └── utils/*

*├── tests/*

*├── config.py*

*├── requirements.txt*

*└── main.py*

***FrontEnd 🡪***

*mkdir -p frontend/src/{components,pages,services,utils}*

*touch frontend/src/{App.js,index.js}*

*mkdir frontend/public*

*touch frontend/package.json frontend/README.md*

*frontend/*

*├── public/*

*├── src/*

*│ ├── components/*

*│ ├── pages/*

*│ ├── services/*

*│ ├── utils/*

*│ ├── App.js*

*│ └── index.js*

*├── package.json*

*└── README.md*

***Database 🡪***

*mkdir -p database/migrations*

*touch database/init.sql*

*database/*

*├── migrations/*

*└── init.sql*

***Docker Setup 🡪***

*mkdir -p docker*

*touch docker/docker-compose.yml docker/Dockerfile.backend docker/Dockerfile.frontend*

*docker/*

*├── docker-compose.yml*

*├── Dockerfile.backend*

*└── Dockerfile.frontend*

touch .gitignore README.md , touch requirements.txt , cd backend , touch requirements.txt

1. **Setting up virtual environment and install dependencies**

*# Create and activate virtual environment*

python -m venv venv

source venv/bin/activate

pip install fastapi uvicorn psycopg2-binary sqlalchemy pydantic python-dotenv pytest

pip freeze > backend/requirements.txt

1. Go to frontend and install required dependencies

# Navigate to frontend directory

cd frontend

# Initialize React app with Create React App

npx create-react-app .

# Install necessary dependencies

npm install axios react-router-dom @mui/material @mui/icons-material @emotion/react @emotion/styled recharts jwt-decode