

Project Title/Lead:

Project Title: Staff-Sync-Plus

Project Lead: Vaibhav Madhukar Patil

Project Description:

Staff-Sync-Plus is a comprehensive staff management system with an integrated chatbot feature. The system aims to simplify and optimize the management of staff members within an organization. It offers a range of functionalities including employee information management, attendance tracking, task assignment, and communication via a chatbot interface. The chatbot component enables staff members to interact with the system naturally, allowing them to access information, make requests, and receive updates on their tasks and schedules.

Project Technologies Used:

The Staff-Sync-Plus project will be developed using the following technologies:

Front-end: HTML, CSS, Bootstrap, JavaScript, React.js

Back-end: Java, Spring Boot

Databases: MySQL, MongoDB, PostgreSQL

This combination of technologies is commonly referred to as the MERN stack, which stands for MongoDB, Express.js, React.js, and Node.js. However, in your case, you're using Java and Spring Boot on the back end instead of Node.js. This makes it a modified version of the MERN stack, which can still provide a robust and efficient development environment for your project.

SDLC Model Name:

We going to use the SDLC model for your project is Agile. Agile methodologies, such as Scrum, align well with software development projects' iterative and collaborative nature. In Scrum, the development process is divided into iterations called sprints, with each sprint delivering a potentially shippable increment of the software. This allows for continuous feedback, flexibility in adapting to changing requirements, and regular opportunities for stakeholder involvement. By embracing Agile principles, your team can efficiently develop, test, and deliver the Staff-Sync-Plus system while ensuring high customer satisfaction.