Week 7 Worklog - Consumable Details Management Portal

Sprint Goal: Complete the remaining UI components and implement advanced frontend features like form validations and dynamic content.

Work Done in Week 7

Santosh K - 7376212IT221

- Integrated **frontend with backend APIs**, ensuring seamless **data flow between UI & server**.

- Implemented **search, filtering, and pagination** for inventory and request lists.

- Added **loading states & error handling** for API requests.

- Worked on **role-based UI updates**, ensuring **Admins & Users** see appropriate components.

Jayasuriya J - 7376212IT160

- Developed and integrated **dynamic UI components** such as **modals, notifications, and interactive tables**.

- Implemented **form validation** for user inputs using **React Hook Form & Yup**.

- Enhanced **dashboard functionality**, including **real-time data fetching** from APIs.

- Improved **UI responsiveness** for different screen sizes using **Tailwind CSS & Flexbox/Grid layouts**.

Rakesh M - 7376212IT208

- Conducted **UI testing & debugging**, identifying and fixing layout issues.

- Ensured **form validations work correctly** by testing with various input scenarios.

- Fixed **frontend API connection issues** by handling **CORS & incorrect data formats**.

- Assisted in **state management improvements** using **Zustand**.

Praveen R - 7376212IT201

- Optimized **frontend performance** by reducing **unnecessary re-renders** and **improving component structure**.

- Implemented **lazy loading for images & large data** to improve page speed.

- Improved **dark mode & theme switching functionality**.

- Ensured **cross-browser compatibility**, fixing UI inconsistencies across different browsers.

📌 **Week 7 Summary & Deliverables**

✔ **All remaining UI components completed** with interactive elements.

✔ **Form validations implemented**, improving user experience & security.

✔ **Dynamic content updates enabled**, ensuring real-time changes in UI.

✔ **Frontend fully integrated with backend**, with proper API error handling.

✔ **UI responsiveness improved**, making the system accessible on different devices.