**Slide 1: Introduction**

**Speaker Text:** "Welcome everyone. Today we’re presenting the plan for Sprint 1 of our task management system. In this sprint, our primary goal is to set up the foundational components: we will configure Keycloak for user and role management, implement the authentication system, create project and task modules, and prepare our app environment using Docker. Let’s walk through each part of this sprint."

**Slide 2: Sprint Goal**

**Speaker Text:** "Our sprint is focused on laying the groundwork for our application. We aim to achieve four main goals: establishing a secure authentication and role-based access system with Keycloak, enabling user login and session management, setting up the frontend and backend environments, and creating the project and task features which are core functionalities of the platform."

**Slide 3: Keycloak Setup**

**Speaker Text:** "In this step, we will deploy and configure Keycloak to act as our identity and access management server. Admins will use it to create users, assign them roles like Admin, Manager, or Employee, and define permissions. This ensures secure and centralized management of all access controls."

**Slide 4: Authentication Flow**

**Speaker Text:** "The frontend will use NextAuth integrated with Keycloak to handle user login. Once a user is authenticated, their roles and permissions will be stored in a secure JWT token. These tokens are passed to the backend, where we use CASL to enforce fine-grained access control to API routes and resources."

**Slide 5: Project & Task Management**

**Speaker Text:** "We will also implement the creation of projects and tasks. A task is always linked to a specific project. Only authorized roles, such as Admins or Managers, will be able to create or assign tasks. This sets the stage for future work on tracking task progress and team productivity."

**Slide 6: Docker Setup**

**Speaker Text:** "To keep our environments consistent across machines, we’re going to containerize our application using Docker. This includes the frontend, backend, database, and Keycloak setup. This will make our deployment pipeline more reliable and developer-friendly."

**Slide 7: Product Backlog**

**Speaker Text:** "Here’s the product backlog for this sprint. It includes tasks like initializing both frontend and backend codebases, setting up Keycloak and its roles, developing the authentication process, and implementing basic project and task creation pages. These tasks will be divided among the team members."

**Slide 8: Timeline**

**Speaker Text:** "This sprint is scheduled to last two weeks. The first few days will focus on the environment setup and Keycloak configuration, followed by UI development and backend API creation for projects and tasks. We'll also run regular standups and reviews to stay aligned."

**Slide 9: Deliverables**

**Speaker Text:** "By the end of the sprint, we plan to deliver a fully functional Keycloak setup, working login flow with role-based access, and functional pages for creating projects and tasks. We'll also have a Dockerized development environment ready for future sprints."