**Introduction:-**

**1. Overview**

Insight Hub is an **offline student portal** designed to provide students with easy access to educational materials such as **videos, notes, PDFs, and important questions** without requiring an active internet connection. The platform is aimed at enhancing **learning accessibility** and **efficient resource management** for students and faculty.

**2. Motivation**

In many educational institutions, students face challenges accessing online learning platforms due to **unstable internet connectivity**. Insight Hub eliminates this dependency by offering a **self-hosted, offline-accessible** solution for students to access their learning materials anytime.

**3. Objectives**

* **Provide an offline learning platform** for students.
* **Enable faculty to manage and upload study materials** efficiently.
* **Ensure a structured and secure environment** for resource access.
* **Implement role-based access control** for different users (Admin, Faculty, and Student).
* **Enhance usability with an intuitive UI/UX**.

**4. Scope of the Project**

* **Faculty Dashboard**: Manage subjects, upload educational content, and organize resources.
* **Student Portal**: View, download, and interact with learning materials.
* **Admin Panel**: Manage users, permissions, and system settings.

**5. Technologies Used**

* **Frontend**: React.js (TypeScript) with Vite
* **Backend**: Spring Boot (Java)
* **Database**: MySQL with Hibernate (JPA)
* **Authentication**: Session-based authentication with RBAC