

<b>Project Title</b>	Seminar Hall Booking
<b>Technologies</b>	Java, JEE(Servlets) ,MySQL or Oracle DMBS, HTML, CSS, JS or any framework of your choice for frontend.
<b>Domain</b>	Education
<b>Project Difficulties level</b>	Medium

### Problem Statement:

The major goal of the Seminar Hall Booking System is to keep track of all seminar hall booking dates, history, and availability for all departments. The project is completely restricted at the administrative level, and department members can only request access from the administrator, who will guarantee it. The goal of the project is to create a mobile app that will reduce manual labor in managing seminar room bookings. It keeps track of all the facts about the booking's approval, rejection, or amendment. It keeps track of all the details regarding the seminar room. Production of the report: It creates a report on the status and history of seminar halls.

### System Modules:

#### Admin

- Login
- Create Department
- View All Booking
- Update Booking Status
- Approval/Reject
- Send notification to Department

#### Department

- Register and login
- Update Booking details
- View My Booking

**Project Evaluation metrics:****Code:**

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards.

**Database:**

- You can use any SQL Database.

**Cloud:**

- You can use any cloud platform for this entire solution hosting like AWS, Azure, or GCP (Not Necessary)

**Deployment:**

- You can host your model in the cloud platform, edge devices, or maybe local, but with a proper justification of your system design.

**Solutions Design:**

- You have to submit complete solution design strategies in HLD and LLD document

**System Architecture:**

- You have to submit a system architecture design in your wireframe document and architecture document.

**Latency for model response:**

- You have to measure the response time of your model for a particular input of a dataset.

**Optimization of solutions:**

- Try to optimize your solution on code level, architecture level, and mention all of these things in your final submission.
- Mention your test cases for your project.

**Submission requirements:****High-level Document:**

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link:

[HLD Document Link](#)

**Low-level document:**

You have to create a Low-level document design for your project; you can refer to the LLD from the below link.

Sample link

[LLD Document Link](#)

**Architecture:** You have to create an Architecture document design for your project; you can refer to the Architecture from the below link.

Sample link

[Architecture sample link](#)

**Wireframe:** You have to create a Wireframe document design for your project; refer to the Wireframe from the below link.

**Demo link**

[Wireframe Document Link](#)

**Project code:**

You have to submit your code GitHub repo in your dashboard when the final submission of your project.

**Demo link**

[Project code sample link:](#)

**Detail project report:**

You have to create a detailed project report and submit that document as per the given sample.

**Demo link**

[DPR sample link](#)

**Project demo video:**

You have to record a project demo video for at least 5 Minutes and submit that link as per the given demo.

**Demo link**

[Project sample link:](#)

**The project LinkedIn a post:**

You have to post your project detail on LinkedIn and submit that post link in your dashboard in your respective field.

**Demo link**

[Linkedin post sample link :](#)