Nadhiya Nashath:

Good morning to the distinguished panel members.

We are the members of Group 3 for the second-year group project module of the Computer Science degree program.

My name is Nadhiya Nashath, and I'm joined by my team members Nishagi Jeewantha, Sawani Vihanga, and Chamath Abeysinghe.

Our project is guided by our supervisor, Dr. Dinuni Fernando, and co-supervised by Mr. Tharaka Isurulal."

"Before diving into the core part of the presentation, let me first give you all a brief summary of our system and its purpose.

Our project, *Themis*, is a legal case management system designed to address the inefficiencies faced by legal professionals when managing their cases. With *Themis*, we aim to streamline case management, enhance collaboration among legal teams, and ensure secure and efficient handling of sensitive legal information.

This system is tailored to provide tools for better organization, accessibility, and productivity for lawyers and their clients alike."

"Saying that, my team member Nishagi will quickly outline the functional requirements that were planned and expected for our system.

These requirements form the backbone of *Themis* and ensure it meets the needs of its users effectively. They include features designed for case management, secure access, and efficient collaboration tailored for legal professionals. Over to you Nishagi

Nishagi:

The core features include :

▪ **User Management**

▪ **Case Management**

- **Advanced Search and Query**

- **Document Management**

- **Collaboration Tools**

- **Calendar and Scheduling**

- **Client Interaction**

- **Data Security and Encryption**

- **Mobile Responsiveness**

These features are designed to make *Themis* a comprehensive tool that streamlines legal processes and ensures security, efficiency, and accessibility for all users."

"Today, we stand here having successfully completed the front end of the *Themis* system, in addition to implementing four core CRUD operations, the login and sign-up functionality, and few other key features. These accomplishments highlight the progress we've made over the past few months.

"To achieve this, we leveraged the **MVC (Model-View-Controller) architecture**. This approach has allowed us to organize the development process more effectively by separating concerns.

By adopting the MVC architecture, we've been able to develop a system that is both scalable and maintainable, providing a solid foundation for the next stages of the project."

"Throughout the development process, our team has gained significant technical exposure by applying the necessary technologies required for building *Themis*. My team mate Sawani will outline about that:

Sawani:

We have focused on core web development technologies,

- **For the Frontend** : We used **HTML, CSS**, and **JavaScript** to create a dynamic and user-friendly interface.

- The backend was built using **PHP**, allowing us to handle server-side operations and integrate the various features of the system, such as user authentication and data management.

- For data management, we used **MySQL**, which provided a reliable relational database solution for handling case records and user data.

- We implemented the **Model-View-Controller (MVC)** architecture to ensure proper separation of concerns, making the codebase more maintainable and scalable.

By utilizing these core technologies and the MVC approach, we have not only gained hands-on experience with the essential tools but also a deeper understanding of how to create a robust web application without relying on additional frameworks."

A huge part of our learning experience was gaining practical knowledge of how to effectively collaborate using **GitHub**. We utilized version control to manage code changes, resolve conflicts, and track our progress. This experience has been invaluable in helping us coordinate as a team, ensuring smooth collaboration and continuous integration throughout the project. To talk about the remaining workload, let me handover to my team mate Chamath

Chamath

Following the proposal presentation, we received valuable feedback that helped refine and improve the direction of our project. We took careful note of these suggestions and took action to ensure that *Themis* meets the expectations outlined in the feedback.

As the distinguished panel members suggested, we planned on adding **encryption through PHP** to ensure that sensitive data within *Themis* is adequately protected.

At this stage of the interim, since we only have completed the front end and few cruds and functionalities, the remaining work is planned to be completed in the collaborative manner by dividing the work among team members according to the cruds of the actors of the

system. The github has monumentally helped us with collaboration which helped all members of the team to be up to date with the system

By following this collaborative plan, dividing work efficiently among team members, and maintaining consistent updates through GitHub, we are confident that we will complete the remaining features on time and deliver a functional system.

We are pleased to report that approximately 60% of the development is complete. This includes the successful implementation of a critical feature: **calendar integration**, which is central to the system's functionality. Additionally, we have completed the **core CRUD operations** and the **entire front-end development**, ensuring it is fully responsive across devices.

Now lets have a run through and navigate through the system to explore its UI design and features.