

Develop Enterprise Applications

Session No#	Session mode	Session Details	Week-Day	Duration Hrs
1	EL-Async	IU 1: Introduction to Enterprise Software Development <ul style="list-style-type: none"> Overview of enterprise applications Importance of enterprise applications in business Complete MCQ	1-1	3
2	FC-F2F	IU 1: Introduction to Enterprise Software Development Familiarization of software development process and technical design Explain assignment 1	1-2	3
3	AS-F2F	Complete the assignment and submit Assignment 1 - Application Design: Develop system block diagram and UML diagrams	1-3	3
	EL-Async	IU 2: Designing Enterprise Software Architecture <ul style="list-style-type: none"> Key technologies and frameworks - DB Design, Spring JPA, Rest API Complete MCQ	1-4	3
4	FC-F2F	IU 2: Designing Enterprise Software Architecture Designing a database for the enterprise application Implementing entities and repositories using Spring Data JPA Explain assignment 2	1-5	3
5	AS-F2F	Complete the assignment and submit Assignment 2 - Application Design: Develop Backend components and API	2-6	3
6	EL-Async	IU 3: Implementing Business Logic and Integration <ul style="list-style-type: none"> Components, state, and props in React Handling user input and events Introduction to React Router for navigation Complete MCQ	2-7	3
7	FC- Sync	IU 3: Implementing Business Logic and Integration Developing react components and webhooks Explain assignment 3	2-8	3
8	AS- Sync	Complete the assignment and submit Assignment 3 - Application Development: Create the application components and web pages based on the functionality	2-9	3
9	EL-Async	IU 4: User Interface Development IU 5: Testing, Deployment, and Maintenance of Enterprise Software <ul style="list-style-type: none"> Integrating Spring Boot backend with React frontend Consuming RESTful APIs in React Complete MCQ	2-10	3
10	FC-Sync	IU 4: User Interface Development	3-11	3

		IU 5: Testing, Deployment, and Maintenance of Enterprise Software Integrating front-end and back-end components and testing Explain assignment 4 & 5		
11	AS-F2F	Complete the assignment and submit Assignment 4 - Application Development: Implement business logics and integrate the components	3-12	3
12	AS-Sync	Complete the assignment and submit Assignment 5 - Application Testing: Review the application by executing the suitable tests	3-13	3
13	PM-F2F	Explain project and project tasks 1. Analyze business needs to identify key features and functionalities for the enterprise application. 2. Design a scalable, high-performing, and secure application architecture. 3. Develop a user-friendly, visually appealing interface focused on usability and accessibility. 4. Test thoroughly to ensure the application's functionality, performance, and reliability. 5. Maintain the application through monitoring, troubleshooting, and continuous improvements.	3-14	3
14	PI-Async	Complete task 1	3-15	3
15	PI-Async	Complete task 2	4-16	3
16	PI -Async	Complete task 3	4-17	3
17	PM-F2F	Project Mentoring - Review the completed task and provide support for the balance tasks	4-18	3
18	PI-Async	Complete task 4	4-19	3
19	PI-Async	Complete task 5. Submit project report	4-20	3
21	SA-Sync	Summative Assessment (Each learner)	5-21	30 min

EL-E-Learning

FC-Flipped Class

AS-Assignment

PM-Project Mentoring

PI-Project Implementation

SA-Summative Assessment

Sync- Synchronous Session &

Async- Asynchronous Session