

Project Design Phase-II

Technology Stack (Architecture&Stack)

Date	23 May 2025
Team ID	LTVIP2025TMID45605
Project Name	LearnHub
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1&table 2

Example: Order processing during pandemics for offline mode

Reference: <https://www.coursera.org>

Table-1 : Components&Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web-based interface for Online Learning	HTML, CSS, JavaScript/ React Js etc.
1.	Application Logic-1	Creating courses by individual educators	Node js, Express js
1.	Application Logic-2	Enrolling in courses by learners or students	Node js, Express js
1.	Database	Stores course content, Users details	MongoDB

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Frontend frameworks	React js, Node js, Express js
1.	Scalable Architecture	3-tier architecture with RESTful APIs	Microservices

References:

[React.js Documentation](#)

[Node js Best Practice](#)

<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>