Project Design Phase II
Technology Stack (Architecture & Stack)

Date	22 June 2025
Team ID	LTVIP2025TMID57363
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.
2.	Application Logic-1	Creating courses by individual educators	Node.js, Express.js
3.	Application Logic-2	Enrolling in courses by learners or students	Node.js, Express.js
4.	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
2.	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