Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	16 June 2035
Team ID	LTVIP2025TMID59712
Project Name	LearnHub: Your Center for Skill Enhancement
Maximum Marks	4 Marks

Technical Architecture:

LearnHub uses a MERN stack architecture with React for the frontend, Node.js/Express for the backend, and MongoDB for data storage. It integrates secure authentication, cloud storage for media, and scalable deployment on cloud platforms.

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web-based interface for instructor and students	HTML, CSS, JavaScript / React JS etc.
2.	Application Logic-1	Course Posting	Node.js, Express.js
3.	Application Logic-2	Admin Panel	React.js, Node.js
4.	Database	Stores user data, jobs, applications, messages	MongoDB

Table-2: Application Characteristics:

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

References:

React.js

Node.js

JSON

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