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

Date	30 June 2025
Team ID	LTVIP2025TMID53273
Project Name	House Hunt – Finding Your Perfect Rental Home
Maximum Marks	4 Marks

Technical Architecture:

House Hunt is designed with a scalable 3-tier architecture consisting of:

- Presentation Layer (Frontend): A responsive and user-friendly interface for tenants and property owners to search listings, post properties, and manage bookings.
- Business Logic Layer (Backend): Handles operations like property management, user authentication, booking workflows, and messaging.
- Data Storage Layer: MongoDB database to store user information, property details, booking records, and feedback.
- The platform may also integrate third-party APIs for features like payment gateways, location search (Google Maps), and email notifications.

Table: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web and mobile-friendly interface for patients and providers	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	Appointment booking, calendar management, reminders	Node.js, Express.js
3.	Application Logic-2	Admin panel, provider management, reporting	React js, Node js
4.	Database	Stores user profiles, appointments, provider datas	MongoDB

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