

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

Date	6 March 3035
Team ID	SWTID1741161713158599
Team Members	Ms. MONISHA K Ms. PADMAVATHI A Ms. SATHIYA PRIYA P Ms. VANITHA S
Project Name	COOKBOOK: YOUR VIRTUAL KITCHEN ASSISTANT
Maximum Marks	4 Marks

**Technical Architecture:**

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

**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	Recipe listing, search, and user interactions	HTML, CSS, React.js, Bootstrap
2.	Application Logic	Managing recipe data, user login, and registration forms	React.js, JavaScript
3.	External API Integration	Fetching recipe information and nutrition data	ThemealsDB API
4.	UI Design	Responsive and interactive layout	Bootstrap, CSS Grid, Flexbox

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	F Frontend frameworks for UI development	React.js, Node.js, Axios

S.No	Characteristics	Description	Technology
2.	Scalable Architecture	Securing API calls and access controls	HTTPS, API key authentication (RapidAPI)