

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

Date	6 March 3035
Team ID	SWTID1741202976145716
Project Name	Recipe app
Maximum Marks	4 Marks
Team leader	ARON M
Email id	12308bca22@princescience.in
Team leader	ARON M
Email id	12308bca22@princescience.in
Team member	ADITHYAN R
Email id	12083bca22@princescience.in
Team member	DAVID JENOSEYA Y J
Email id	12063bca22@princescience.in
Team member	BASKARAN R
Email id	11998bca22@princescience.in

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

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