**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

| Date | 6 March 3035 |
| --- | --- |
| Team ID | SWTID1741088905 |
| Project Name | Recipe app |
| Maximum Marks | 4 Marks |
| TEAM MEMBERS | Charukesini.M - [charukesinimariappan@gmail.com](mailto:charukesinimariappan@gmail.com) |
|  | Janani.K - [jananijanani237@gmail.com](mailto:jananijanani237@gmail.com) |
|  | Shivaranjini.D - [shivaranjinidhandapani3113@gmail.com](mailto:shivaranjinidhandapani3113@gmail.com) |
|  | Bava Dharani.S- [sbavadharani7@gmail.com](mailto:sbavadharani7@gmail.com) |
|  | Devisree.K - [sreejothi213@gmail.com](mailto:sreejothi213@gmail.com) |

**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** |
| --- | --- | --- | --- |
|  | User Interface | Recipe listing, search, and user interactions | HTML, CSS, React.js, Bootstrap |
|  | Application Logic | Managing recipe data, user login, and registration forms | React.js, JavaScript |
|  | External API Integration | Fetching recipe information and nutrition data | ThemealsDB API |
|  | UI Design | Responsive and interactive layout | Bootstrap, CSS Grid, Flexbox |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | F Frontend frameworks for UI development | React.js, Node.js, Axios |
|  | Scalable Architecture | Securing API calls and access controls | HTTPS, API key authentication (RapidAPI) |