**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

|  |  |
| --- | --- |
| Date | 12 March 2025 |
| Team ID | SWTID1741155058 |
| Project Name | FitfFlex: Your Personal Fitness Companion |
| Maximum Marks | 4 Marks |

**Team details**

|  |  |
| --- | --- |
| **TEAM LEADER** | **EMAIL ID** |
| RIYAS.M | [rriyas1366@gmail.com](file:///C:\Users\PC\Downloads\riyas\fit\Phase%201\rriyas1366@gmail.com) |

|  |  |
| --- | --- |
| **TEAM MEMBERS** | **EMAIL ID** |
| JAYAKUMAR D | [Jai1632004@gmail.com](mailto:Jai1632004@gmail.com) |
| RAVINATH G | [ravinathgopu@gmail.com](mailto:ravinathgopu@gmail.com) |
| VIGNESH N | [2004vignesh2004@gmail.com](mailto:2004vignesh2004@gmail.com) |

**Technical Architecture:**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
|  | User Interface | How user interacts with application | ReactJS, CSS, React Fa icons |
|  | Application Logic-1 | Logic for fetching and displaying data | JavaScript, ReactJS |
|  | Application Logic-2 | API requests handling and error handling | Axios for HTTP requests |
|  | External API-1 | Fetching ExerciseDB data | ExerciseDB API (via RapidAPI) |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | List the open-source frameworks used | ReactJS, Axios |
|  | Security Implementations | Securing API calls and access controls | HTTPS, API key authentication (RapidAPI) |