**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| --- | --- |
| Date | 10 March 2025 |
| Team ID | SWTID1741258148149965 |
| Project Name | Cryptoverse: A Cryptocurrency Dashboard |
| 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:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | |  |   Component | |  | | --- | | **Technology/Tool Used** | | |  | | --- | | **Description** | |
| |  | | --- | |  |   Frontend | |  | | --- | | HTML, CSS, JavaScript, AngularJS | | |  | | --- | | Used to build the user interface and ensure a responsive and interactive experience. | |
| Backend | |  | | --- | | Node.js, PHP |  |  | | --- | |  | | |  | | --- | | Used to handle API requests, process data, and serve dynamic content. |  |  | | --- | |  | |
| |  | | --- | | API |  |  | | --- | |  | | |  | | --- | | Coin Ranking API |  |  | | --- | |  | | |  | | --- | | Provides real-time cryptocurrency data. |  |  | | --- | |  | |

**Table-2: Application Characteristics:**

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