

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

|                |                             |
|----------------|-----------------------------|
| Date           | 6 March 3035                |
| Team ID        | SWTID1741109158             |
| Project Name   | Crypto currency             |
| Maximum Marks  | 4 Marks                     |
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**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      | Web-based interface for crypto currency                   | HTML, CSS, JavaScript / Angular Js / React Js etc. |
| 2.   | Application Logic-1 | Top 10 crypto currency and data management                | Java / Python                                      |
| 3.   | Application Logic-2 | All crypto currency and user search for selected currency | IBM Watson STT service                             |

|    |                |                               |                       |
|----|----------------|-------------------------------|-----------------------|
| 4. | External API-1 | Fetching Coinranking API data | IBM Weather API, etc. |
|----|----------------|-------------------------------|-----------------------|

**Table-2: Application Characteristics:**

| S.No | Characteristics        | Description                            | Technology                               |
|------|------------------------|--|--|
| 1.   | Open-Source Frameworks | Frontend frameworks                    | React.js, Node.js, ANTD, chart.js        |
| 2.   | Scalable Architecture  | Securing API calls and access controls | HTTPS, API key authentication (RapidAPI) |