

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

Date	6 March 3035
Team ID	SWTID1741530213158049
Project Name	Crypto currency
Maximum Marks	4 Marks
Team Leader	PERUMAL R
Team Members	NAVEEN KUMAR A MOHAMMED IBRAHIM A MOHAMMED UMAR M

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 / 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

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