

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

Date	6 March 2025
Team ID	SWTID1741200494145672
Project Name	Crypto currency
Maximum Marks	4 Marks
Team Leader	G.SWATHY 12009bca22@princescience.in
Team Member	P.SWETHA 12400bca22@princescience.in
Team Member	J.THRISHA 12299bca22@princescience.in
Team Member	YAZHINI 11925bca22@princescience.in
Team Member	S.L.SUJITHA 12488bca22@princescience.in

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)