

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

Date	6 March 3035
Team ID	SWTID1741089474
Project Name	Cryptocurrency
Maximum Marks	4 Marks
Team Members	PriyaDharsini R- akshayapriya9c14@gmail.com Aafiya Banu Y- Aafiyabanu17@gmail.com Hepzibha Shalomi B- hepzibhashalomi27@gmail.com LekhaSri D Lekhasri0705@gmail.com Dharshini Sri P- Sridharshini579@gmail.com

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)