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

Date	03 October 2022
Team ID	PNT2022TMID40249
Project Name	Project – Skills and Job Recommender
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

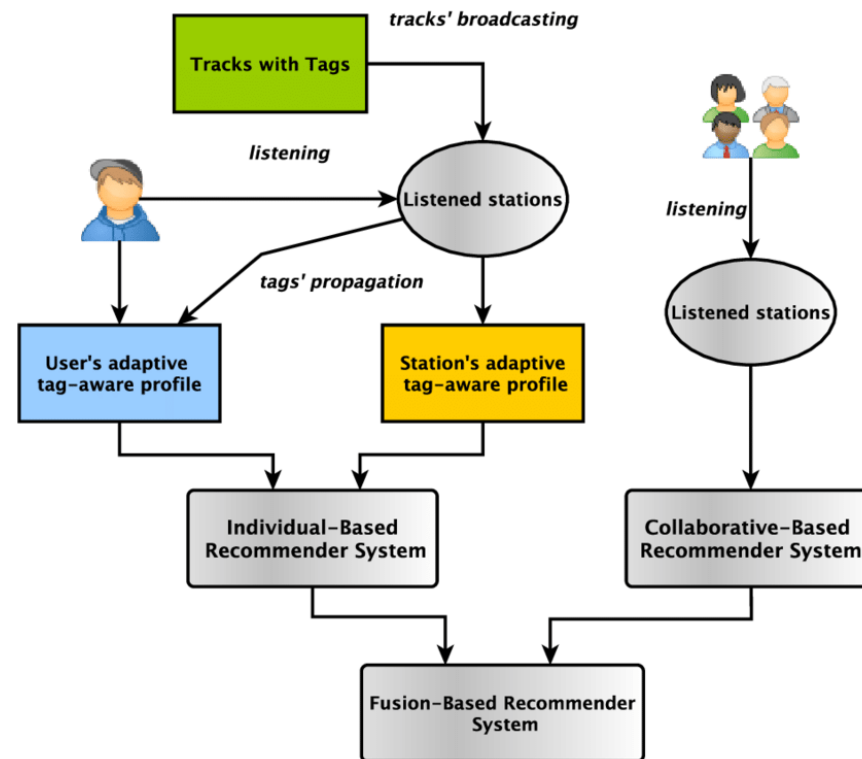**Example: Order processing during pandemics for offline mode**

Fig: Technical Architecture

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Using Mobile app and Web UI(User Interface) web application.	HTML, CSS, JavaScript
2.	Application L-1	Location based searching for the job requirements.	Python
3.	Application L-2	Incentive based analyser.	IBM service
4.	Application L-3	Salary based Searching.	IBM
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	Storage requirements for storing the datasets of the employee or company officers.	IBM Block Storage or Other Storage Service or Local Filesystem
8.	Search API-1	For searching an right job in web application	IBM Weather API, etc.
9.	Machine Learning Model	Analysing the skills and Recommending appropriate job.	Object Recognition Model, etc.
10.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Python, Flask, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Web UI, Google chrome, Web applications	Technology of Opensource framework
2.	Security Implementations	Authority by public source and verification methodology.	Encryptions etc.
3.	Scalable Architecture	Scalable for both end users.	Scalability measurement
4.	Availability	Distributed Services where used.	Online source technology
5.	Performance	Accessing maximum requests and responding within secs.	Highly provisioned technology.