PROJECT DESIGN PHASE-II
TECHNOLOGY STACK(ARCHITECTURE STACK)

Date	05 -10- 2022
Team ID	PNT2022TMID05143
Project Name	Nutrition Assistant Application

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the below table 1 and table 2.
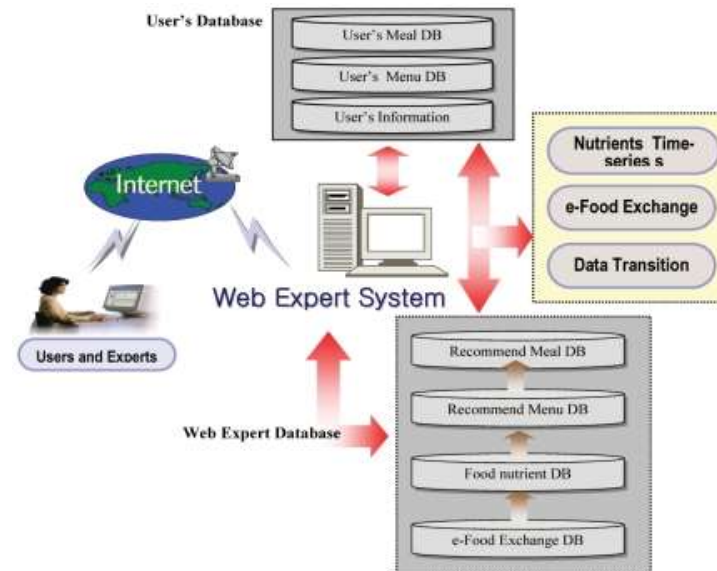
Table:1 Components and Technologies

S.NO	Component	Description	Technology
1.	User Interface	How user interacts with application (EX: Web UI, Mobile App, Chatbot etc..,)	HTML, CSS, JavaScript/Angular Js
2.	Database	Data Type, Configuration etc	My Sql
3.	Application Logic-1	Logic for a process in the application	Python
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant
5.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
6.	Infrastructure(Server/Cloud)	Application Deployment on Local System/Cloud Local Server Configuration: Cloud Server Configuration:	Local, Cloud Foundry, Kubernetes

Table-2:Application Characteristics

S.NO	Characteristics	Description	Technologies
1.	Open-Source Frameworks	List the open-source frameworks used.	Python flask
2.	Security Implements	List all the security /access controls implemented, use of firewalls etc	SHA-26,Encryptions,IAM controls
3.	Scalable Architecture	Justify the scalability of architecture(3-tier,Micro-services)	IBM DB2,IBM Cloud Object Storage, Kubernetes
4.	Availability	Justify the availability of application(e.g. use of load balancers, disturbed servers etc.)	Justify the availability of application
5.	Performance	Performance depends on the availability of compute power in the cloud.	IBM Cloud Object Storage, Kubernetes, Docker Images, IBM DB2,Sendgrid