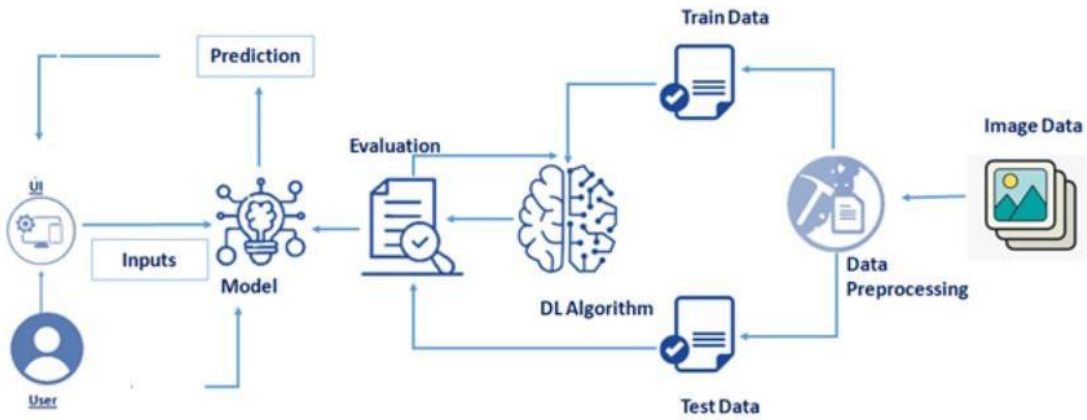


**Project Design Phase-  
IITechnologyStack(Architecture&Stack)**

Date	04 Nov 2022
TeamID	PNT2022TMID29505
ProjectName	Project – AI powered Nutrition Analyzer for Fitness Enthusiasts
MaximumMarks	4 Marks

**TechnicalArchitecture:**

The Deliverables shall include the architectural diagrams below and the information as per the table 1 & table 2



**Table-1:Components&Technologies:**

S.No	Component	Description	Technology
1.	UserInterface	MobileApp,webpage	HTML, CSS, JavaScript/ AngularJs/ ReactJsetc.
2.	ApplicationLogic-1	Registerintheapplication	Java/Python
3.	ApplicationLogic-2	Loginintheapplication	IBMWatsonSTTservice
4.	Database	DataType,Configurationsetc.	MySQL, NoSQL,etc.
5.	CloudDatabase	DatabaseServiceon Cloud	IBMDB2,IBMCloudantetc.
6.	FileStorage	Filestoragerequirements	IBM Block Storage or Other StorageServiceorLocal Filesystem
7.	ExternalAPI-1	Purposeof ExternalAPIused intheapplication	IBMWeatherAPI,etc.
8.	ExternalAPI-2	Purposeof ExternalAPIused intheapplication	AadharAPI,etc.
9.	MachineLearningModel	Purposeof MachineLearningModel	ObjectRecognitionModel,etc.
10.	Infrastructure(Server/Cloud)	Application Deployment on Local System / CloudLocalServerConfiguration: CloudServerConfiguration:	Local,CloudFoundry,Kubernetes,etc.

**Table-2:ApplicationCharacteristics:**

S.No	Characteristics	Description	Technology
1.	Open-SourceFrameworks	List theopen-sourceframeworksused	TechnologyofOpensourceframework
2.	SecurityImplementations	List allthe security/accesscontrols implemented, useoffirewallsetc.	e.g. SHA-256,Encryptions,IAM Controls,OWASPetc.
3.	ScalableArchitecture	Justifythescalabilityofarchitecture(3–tier, Micro-services)	Technologyused
4.	Availability	Theapplication willbeavailableforalltheusers	Pycharmorspyder
5.	Performance	Theperformanceoftheapplicationwillbe accurateandhigh	DL algorithm