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

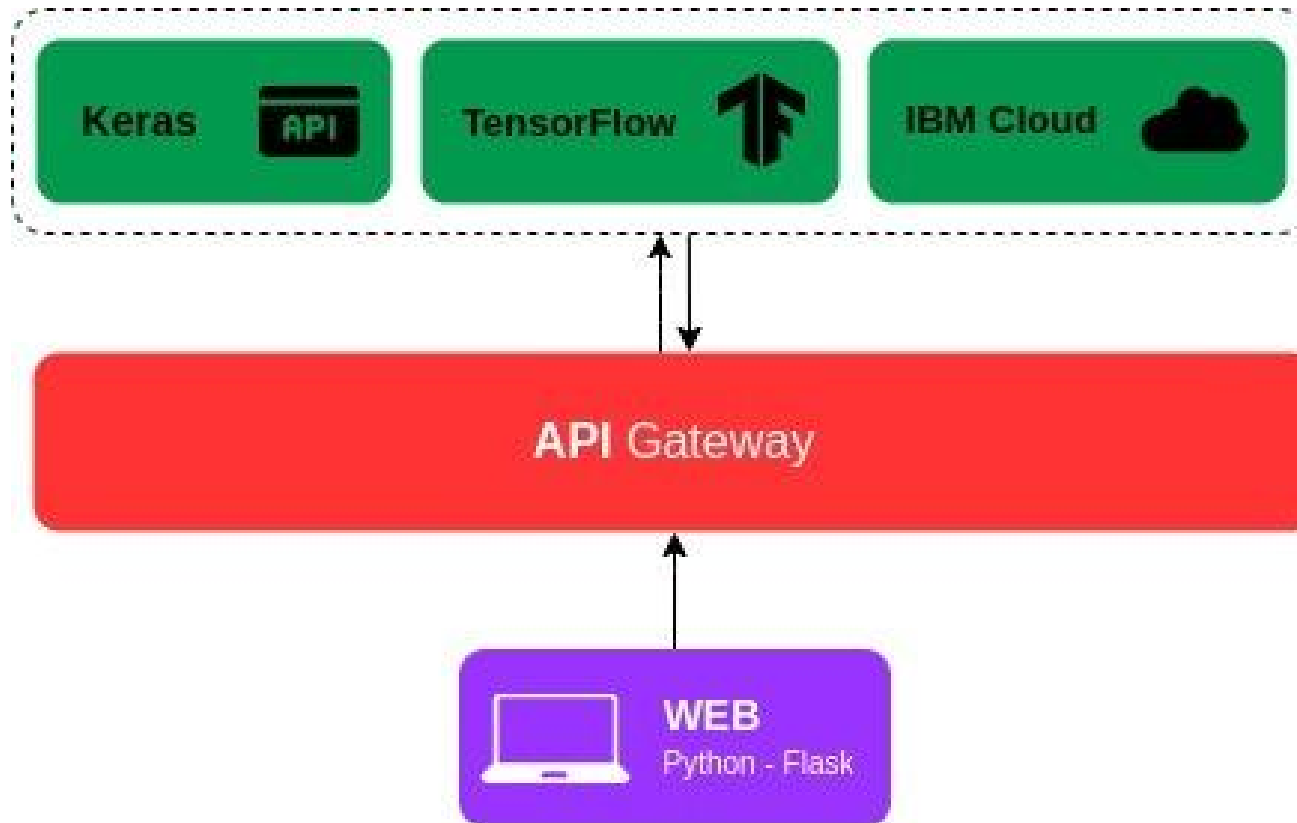| Date	03 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	flask, python
2.	Application Logic-1	Logic for a process in the application	Python
3.	External API-1	keras API is used to fetch the dataset	keras
4.	Machine Learning Model	recognize the handwritten digits	handwritten digit Recognition Model (image recognition model)
5.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	IBM cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	flask, tensor flow
2.	Availability	Application is deployed on cloud	IBM cloud