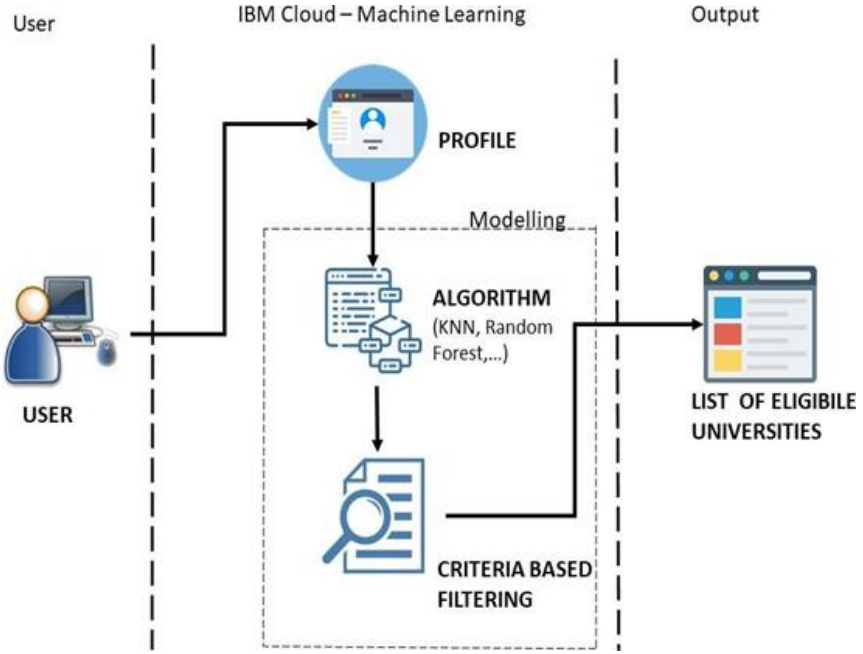
Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	17 October 2022
Team ID	PNT2022TMID00293
Project Name	University Admit Eligibility Admit Predictor
Maximum Marks	4 Marks

Technical Architecture:



Guidelines:

1. Include all the processes as an application logic or technology Block
2. Provide demarcation of infrastructural of local or cloud
3. Indicate machine learning models to interface
4. Include all the necessary machine learning algorithms
5. Provide the list of all eligible universities along with its description

Table-1: Components & Technologies:

1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript etc.
2.	Application Logic-1	Logic for a process in the application	Python (jupyter)
3.	Application Logic-2	Logic for a process in the application	IBM Watson Assistant
4.	Database	Data Type, configurations etc.	CSV
5.	External API	Purpose of External API Used in the application	List of eligible universities
6.	Machine Learning Model	Purpose of Machine Learning Model	KNN, Random Forest, Decision tree etc.
7.	Infrastructure for server or cloud	Application Deployment on Local system / cloud Local Server Configuration: Cloud server Configuration:	Local, cloud etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask is imported for front end purpose and python is used for backend purpose	Python (flask)
2.	Security Implementations	The user profile will be secured	Encryptions, IAM controls, OWSAP etc
3.	Scalable Architecture	The accurate list of eligible universities and its description will be provided	Random forest ML algorithm
4.	Availability	Anyone can visit our website anytime	IBM load balancer
5.	Performance	By applying through our website, the user can have knowledge according to their eligibility criteria.	Random forest ML algorithm