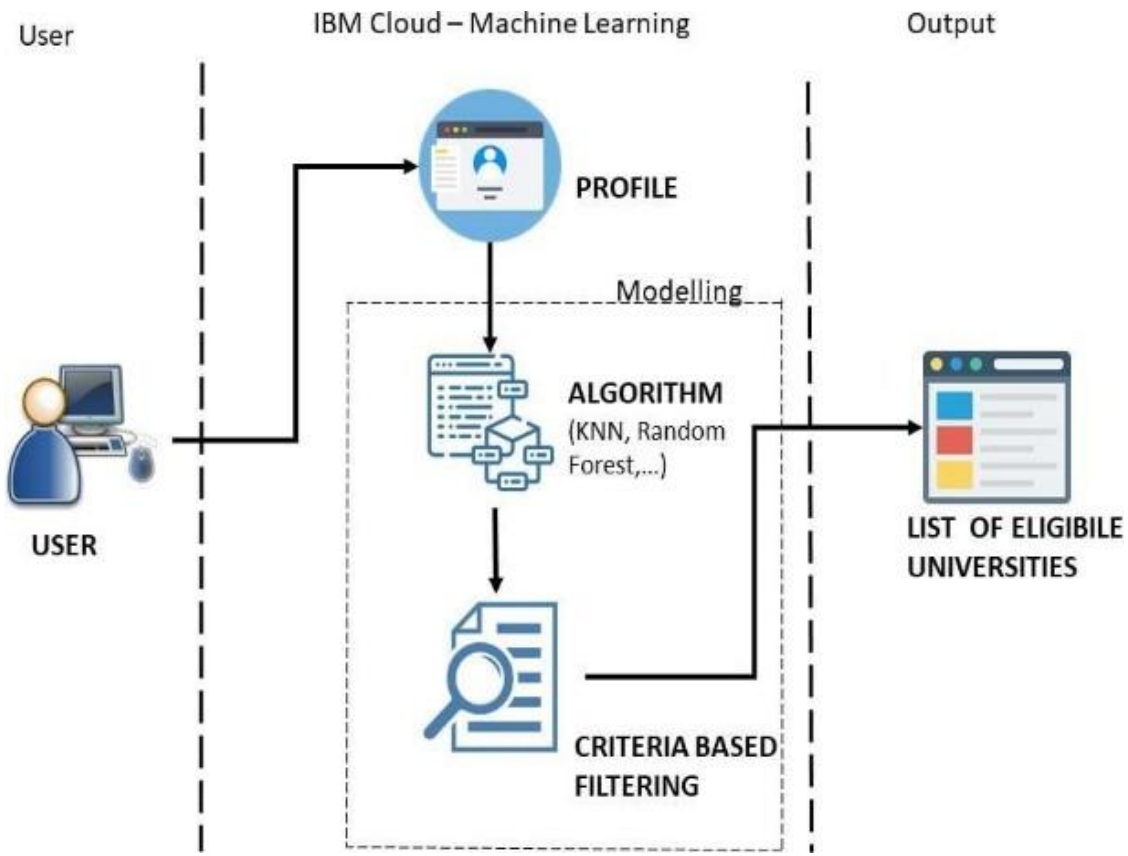
Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	9 October 2022
Team ID	PNT2022TMID15482
Project Name	University Admit Eligibility Predictor
Maximum Marks	4 Marks

TECHNOLOGY ARCHITECTURE



S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Logic for a process in the application	Python
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	To predict whether a student is eligible to get admitted in a university	Prediction Model
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry,

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Python for Backend purpose and flask is imported for front end purpose	Python(Flask)
2.	Security Implementations	The user profile will be secure	Encryptions, IAMControls, OWASP etc
3.	Scalable Architecture	The accurate list of eligible universities name and its description will be provided	Random Forest ML Algorithm
4.	Availability	Anyone and in anytime they can visit our website	IBM Load Balancer
5.	Performance	The user can have a knowledge of their eligibility for applying Universities through our website	Random Forest ML Algorithm