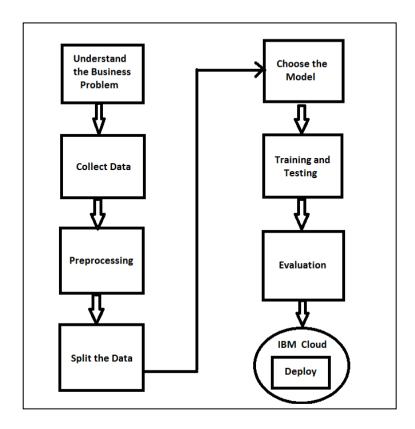
## ProjectDesignPhase-II TechnologyStack(Architecture&Stack)

Date	12October2022	
TeamID	PNT2022TMID04101	
ProjectName	Project-Early Detection of Chronic	
	Kidney Disease using	
	MachineLearning	
MaximumMarks	4 Marks	

## **Technical Architecture:**



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

S.N	Component	Description	Technology
O	-		
1	UserInterface	Howuserinteractswithapplicatione.g.W ebUI	HTML,CSS,PythonFlask
2	ApplicationLogic-1	Getinputfrom theuser	HTML,CSS,PythonFlask
3	ApplicationLogic-2	Predictsbased ontheprovidedinput	Python
4	ApplicationLogic-3	DisplaysthepredictedResult	Python,HTML,CSS,Flask
5	FileStorage	Filestoragerequirements	IBMCLOUD
6	Machine Learning Model	RandomForest,Regressiontechniq ues,DecisiontreeandSVM	PredictionandClassification
7	Infrastructure(Server/Cloud)	Cloud Deployment	IBMCLOUD

## **Table-2:ApplicationCharacteristics:**

S.N	Characteristics	Description	Technology
0			
1	Open-SourceFrameworks	Development and Deployment	IBMCloud,Python
2	SecurityImplementations	SecutiryprovidedbyIBM Cloud	WorkloadProtection,Identity
			andAccessProtection
3	ScalableArchitecture	Model canbe scalable	Python
4	Availability	Availableinthecloud	IBMCLOUD
5	Performance	HighaccuracyPerformance	MachineLearningPredictiona
			ndClassificationtechniques

## **References:**

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<u>security?utm\_content=SRCWW&p1=Search&p4=43700052658150583&p5=e&gclid=CjwKCAjwtKmaBhBMEiw</u> AylNuwJox0TDWprc7hp189HpjBfjAmN0isGe3Etmvr9criDif\_P\_D-ZckNxoCBJgQAvD\_BwE&gclsrc=aw.ds

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https://scikit-learn.org/stable/supervised\_learning.html#supervised-learning