Project Design Phase-II
Technology Architecture

Date	13 October 2022
Team ID	PNT2022TMID53390
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning
Maximum Marks	4 Marks

Technology Architecture

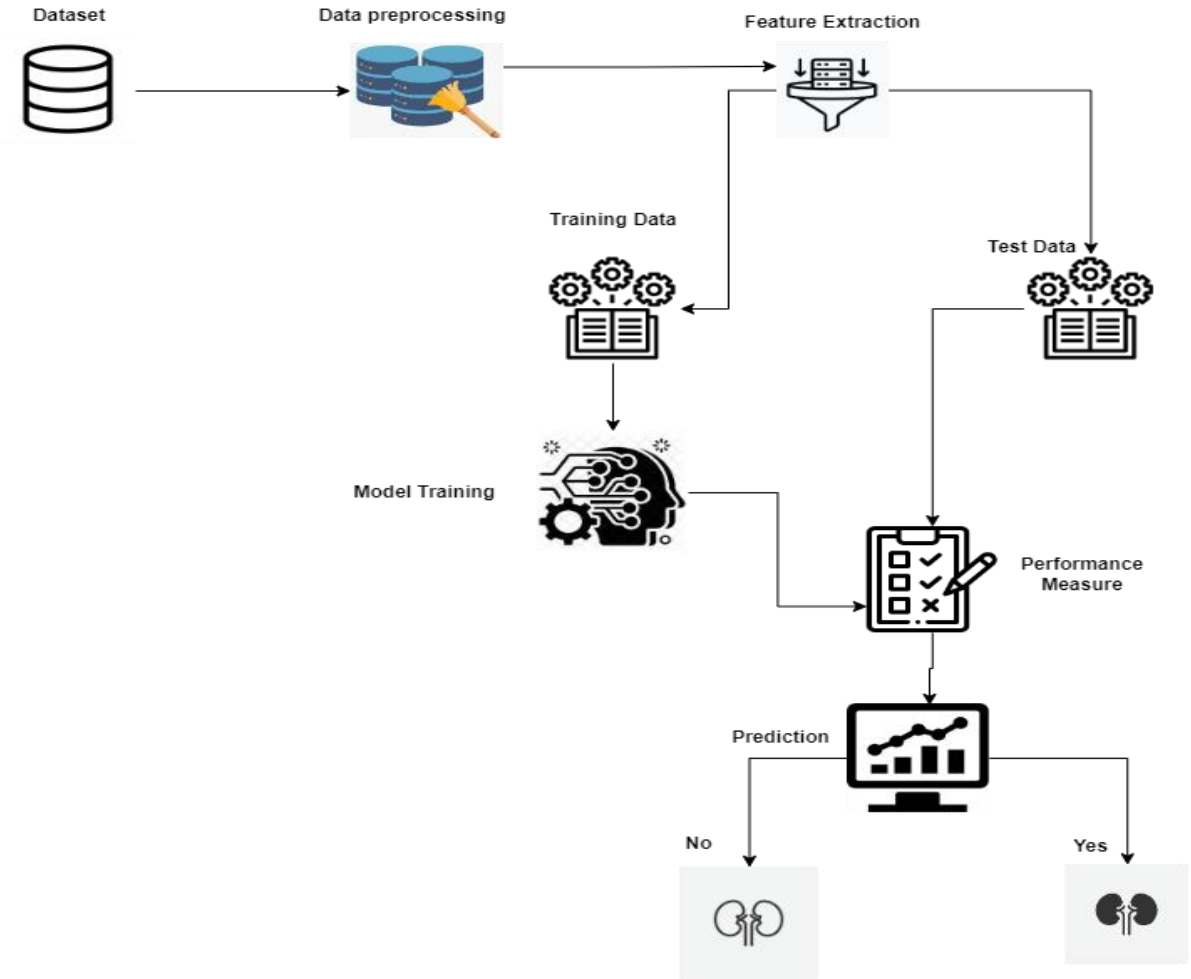

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1	User Interface	How user interacts with application	HTML, CSS,Python Flask
2	Application Logic-1	Get input from the user	HTML,CSS,Python Flask
3	Application Logic-2	Predicts based on the provided input	Python
4	Application Logic-3	Displays the predicted Result	Python,HTML,CSS,Flask
5.	Machine Learning Model	Random Forest,Regression techniques,Decision tree and SVM	Classification Algorithms

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworksused	Google colab,Jupyter notebook,IBM cloud and Flask.
2.	Scalable Architecture	Model can be scalable	Python
3.	Availability	It is used as a website(UI) or available in cloud	Streamlit,IBM cloud
4.	Performance	High accuracy	Machine Learning Classification Techniques