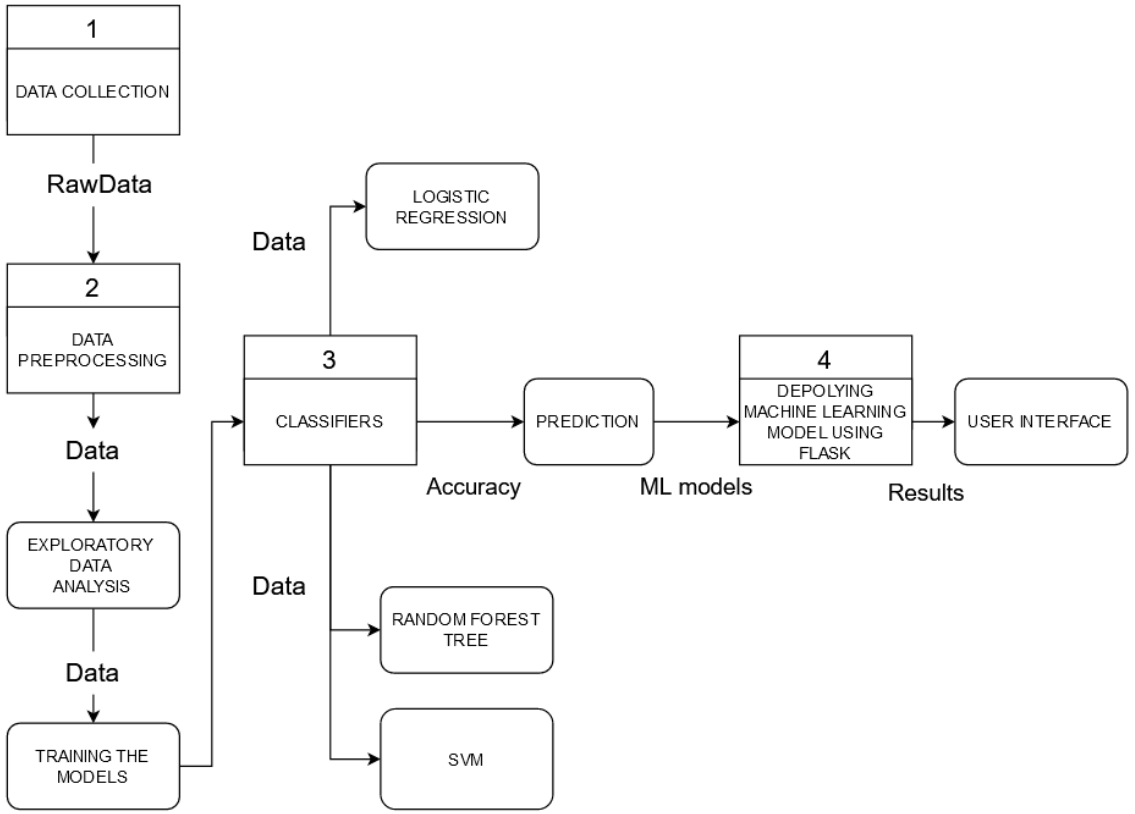
Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID36002
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.


1
DATA COLLECTION
RawData
2
DATA PREPROCESSING
Data
EXPLORATORY DATA ANALYSIS
Data
TRAINING THE MODELS
Data
3
CLASSIFIERS
LOGISTIC REGRESSION
RANDOM FOREST TREE
SVM
Accuracy
PREDICTION
ML models
4
DEPOLYING MACHINE LEARNING MODEL USING FLASK
Results
USER INTERFACE

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Data Collection Team	Collecting data	USN-1	As a user, the data collection team has to collect enough data to train the models.	X-Ray images can be collected.	High	Sprint-1
		USN-2	The data collected is cleaned and pre-processed.	The data is cleaned and converted into csv format.	High	Sprint-1
Model Training Team	Training the models	USN-3	Different classification models are trained	Models which have high accuracy are accepted.	High	Sprint-2
		USN-4	Using the trained models, the prediction is done.	Using the accepted model, the prediction is performed.	High	Sprint-2
Web Development Team	Deploying trained models	USN-5	The trained models are deployed using flask framework.	The trained models are deployed without any malfunctions.	Medium	Sprint-3
Customer (Web user)	Web-Pages	USN-6	User can visit the web page and detect if they have kidney disease.		Low	Sprint-4