

## Project Design Phase-I Solution Architecture

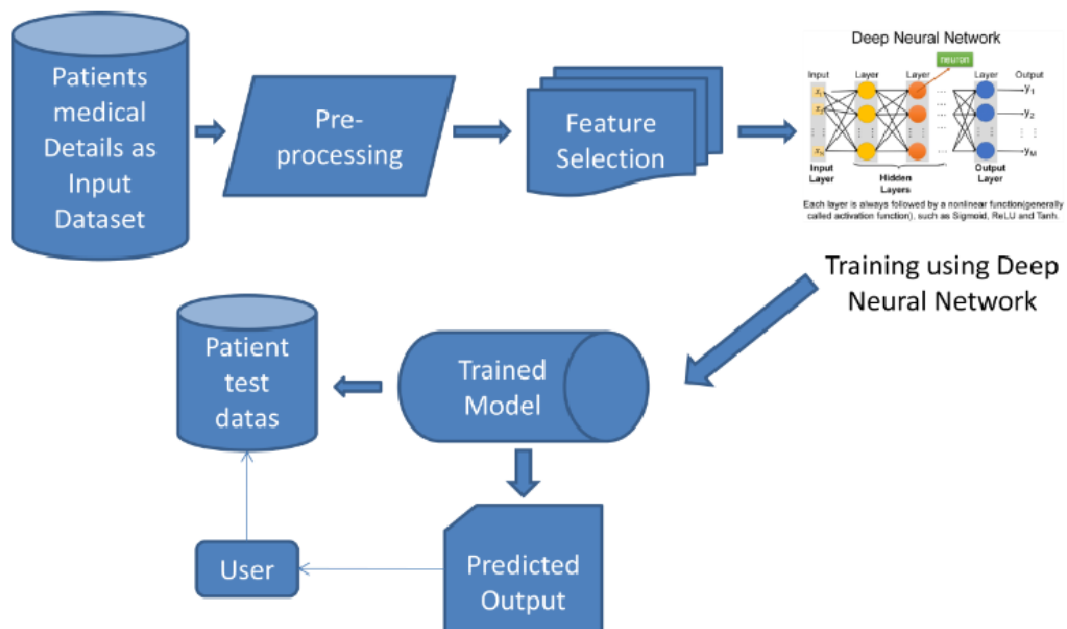
Date	19 September 2022
Team ID	PNT2022TMID20576
Project Name	Project-Early Detection of Chronic Kidney Disease using Machine Learning
Maximum Marks	4 Marks

### Solution Architecture:

- The patient medical details will be taken as dataset and it will be pre processed and the features are selected based on feature selection.
- The dataset will be split into two training data – 80% and testing data – 20%
- The model will be trained using Deep Neural Network.
- After training the model the model will be tested.
- The report data will be given to the model by the user and it will give the prediction.

### Solution Architecture Diagram:

#### Chronic Kidney Disease Detection Architecture



Each layer is always followed by a nonlinear function (generally called activation function), such as Sigmoid, ReLU and Tanh