

PROJECT OBJECTIVES

End of this project:

- You will be able to understand the problem to classify if it is a regression or a classification kind of problem.
- You will be able to know how to pre-process clean the data using different data pre-processing techniques.

Clean the dataset:

- The download data set is not suitable for training the machine learning model as it has so much of randomness so we need to clean the dataset properly in order to fetch good results. This activity includes the following steps
 - Import the libraries
 - Read the dataset
 - Analyze the dataset
 - Drop unnecessary columns
 - Change the column names
 - Remove the randomness in the columns
 - Find the missing values
 - Handle the missing values
 - Split the data into independent and dependent variables
 - Split the data to train and test
- You will be able to analyse or get insights from data through visualization .
- Applying different algorithms according to the dataset.

- You will be able to build web application using Flask
- You will be able to know how to build a web application using the Flask framework.

Application building:

- ❖ In this section, we will be building a web application that is integrated to the model we built.
- ❖ A UI is provided for the uses where he has to enter the values are given to the saved model and prediction is showcased on the UI.
- ❖ This section has the following tasks .
 - Building HTML pages
 - Building server-side script

To build this you should know the basics of “HTML, CSS, Bootstrap, flask framework and python”. Create a project folder that should contain .

- A python file called app.py
- Model file (CKD.pkl).
- Templates folder which contains the index.HTML file.
- Static folder which contains the CSS folder which contains. CSS files.