***Dataset Link****:* <https://www.kaggle.com/datasets/jeyasrisenthil/input-data/data>

***Libraries required for the Project*** :

1. **NumPy**: For numerical operations.

import numpy as np

1. **Pandas**: For data manipulation and analysis.

import pandas as pd

1. **Matplotlib**: For data visualization.

import matplotlib.pyplot as plt

1. **Seaborn**: For statistical data visualization.

import seaborn as sns

1. **Scikit-learn**: For machine learning algorithms and data preprocessing.

from sklearn.model\_selection import train\_test\_split

from sklearn.linear\_model import LogisticRegression

from sklearn.metrics import accuracy\_score, confusion\_matrix

from sklearn.ensemble import RandomForestClassifier

from sklearn.preprocessing import StandardScaler

from sklearn.svm import SVC

1. **Pickle**: For saving and loading the trained model.

import pickle

1. **Streamlit**: For deploying the web application.

!pip install -q streamlit

import streamlit as st