V.S.B. ENGINEERING COLLEGE, KARUR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IBM NALAIYA THIRAN

TEAM ID	PNT2022TMID33395
PROJECT NAME	Fertilizers Recommendation System for Disease Prediction

PREREQUISITES:

To complete this project we should have the following software and packages

Anaconda Navigator :

Anaconda Navigator is a free and open-source distribution of the Python and R programming languages for data science and machine learning-related applications. It can be installed on Windows, Linux, and mac OS. Conda is an open-source, cross-platform, package management system. Anaconda comes with so very nice tools like JupyterLab , Jupyter Notebook,QtConsole, Spyder, Glueviz, Orange, Rstudio, Visual Studio Code. For this project, we will be using Jupiter notebook and spyder.

Tensor flow:

Tensor Flow is an end-to-end open-source platform for machine learning. It has a comprehensive, flexible ecosystem of tools, libraries, and community resources that lets researchers push the state-of-the-art in ML and developers can easily build and deploy ML powered applications.

Keras :

Keras leverages various optimization techniques to make high level neural network API easier and more performant. It supports the following features:

Consistent, simple and extensible API.
Minimal structure - easy to achieve the result without any frills.
It supports multiple platforms and backends.
It is user-friendly framework that runs on both CPU and GPU.
Highly scalability of computation.

Flask:

Web framework used for building Web applications.