**Software Implementation instructions for Machine Learning prediction for Parkinson’s disease**

**Sorce code and Datasets are available in the following link:**

***To Run “EDA Analysis & Prediction of Parkinson with ML Classifiers.ipynb” file, steps to follow***

**Step1:**

Install Anaconda Navigator from Online resource: <https://www.anaconda.com/products/individual>

**Step 2:**

Setup the Anaconda Navigator 🡪 Open Anaconda3 from the search menu 🡪 Install the Jupyter Notebook 6.0.0 Shown under the Base (Root) Channel

**Step 3:**

Installing the Packages 🡪 On the left side of the Navigator panel, open ‘environments’ 🡪 Search the additional Packages named ‘python’, ‘Scikit-Learn’, ‘Seaborn’, ‘Numpy’, ‘Pandas’, ‘Squarify’, ‘Matplotlib’.

**Step 4:**

After Installing the packages, Close the Navigator.

**Step 5:**

Open the Jupyter Notebook (Anaconda) from the search menu and wait for the packages to load 🡪 local host of Jupyter is loaded in the Internet explorer 🡪 Open Downloads 🡪 Parkinson\_ML 🡪 Parkinson\_MLDL 🡪 Open EDA Analysis & Prediction of Parkinson with ML Classifiers.ipynb

**Step 6:**

Go to Cell🡪Click Run All

***To Run” Parkinsons\_NN.ipynb” file, Steps to Follow***

**Step1**:

Install Anaconda Navigator from Online resource: <https://www.anaconda.com/products/individual>

**Step 2:**

Install TensorFlow in the Anaconda Navigator 🡪 Open Anaconda3 from the search menu 🡪Click Environments 🡪 Under the base (root) Click on Create 🡪 Select Python 3.6 🡪 Name the Environment as “Tensor flow”

Under the base (root), the Tensorflow environment is created

**Step 3:**

Install all the packages 🡪 On the left side of the Navigator panel, open ‘environments’ 🡪 Select Tensorflow 🡪 Search the additional Packages named ‘tensorflow’, ‘Keras’, ‘Pandas’, ‘Matplotlib’, ‘ seaborn’, ‘Numpy’, ‘Scikit-Learn’.

**Step 4:**

After Installing the packages, Close the Navigator.

**Step 5:**

Open the Jupyter Notebook (Tensorflow) from the search menu and wait for the packages to load🡪 local host of Jupyter is loaded in the Internet explorer 🡪 Open Downloads 🡪 Parkinson\_ML 🡪 Parkinson\_MLDL 🡪 Open Parkinsons\_NN.ipynb

**Step 6:**

Go to Cell🡪Click Run All