

# A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

## PREQUISITES:

Anaconda Navigator is a free and open-source distribution of Python and R programming languages for data science and machine learning related applications.

The tools like Spyder and Jupiter notebook can be used in Anaconda navigator.

- Visit the website <https://www.anaconda.com/>
- Choose the respective OS.
- Choose the Python version and click download.
- Extract the file and agree to the terms and conditions  
.Collaborate with the Microsoft VSCode(Visual Studio Code),if necessary.
- In the command prompt,type 'jupyter notebook'.Open it via the browser such as Firefox.
- And then,new folder can be created in Jupiter notebook and it can be renamed.
- For evaluation,Shift+Enter has to be pressed.
- To operate spyder,type start spyder in the command prompt.
- Give allow access to allow python to communicate either on public or private networks.
- For evaluation,press Shift+Enter on the highlighted text.
- Open the command prompt,install the neccessary libraries.
- Go the Python environment and import the necessary libraries.
- After that,get out of the Python environment,and then install



dependencies for deep learning algorithms.

- Install and import tensorflow.It is an end-to-end open source platform for machine learning.
- And then import keras.It leverages various optimization techniques to make high level neural API easier and more performant.
- After that,to build web applications using python,install 'flask'.

