PRE-REQUISITES

DATE	12-NOVEMBER-2022
PROJECT NAME	Real-Time Communication System Powered by AI for Specially Abled
TEAM ID	PNT2022TMID39801

To Complete this project, you must require the following Software's, Concepts & Packages:-

1. Install ANACONDA, which is a python distribution - Anaconda(IDLE / Spyder / Pycharm) (Python 3.7)

   ≫Install Anaconda python & Jupiter Notebook on your windows using your favorite browser & download the required software.

2.In Addition download some of the Python Packages such as,

>> **Tensorflow**- This package is used as backend support to Keras

>> **Keras**-This package is used for building Neural Network layers
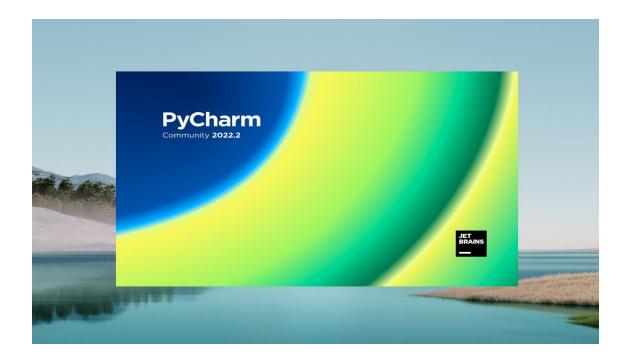
>> **OpenCV**-This package is used for image processing

>> **Flask**- To build a web application

If you are using anaconda navigator, follow the below steps to download the required packages:

Open anaconda prompt as administrator.

(a) Type **"pip install tensorflow==1.14.0"** and click enter.
(b) Type **"pip install keras=2.2.4"** and click enter.
(c) Type **"pip install opencv-python"** and click enter.
(d) Type **"pip install imutils"** and click enter.
(e) Type **"pip install flask"** and click enter.

3.Further we have installed the 'Pycharm Community' of edition – 2022.2

4.Also we have installed several python software's regarding our projects namely,

IDLE(Python 3.11 64-bit)

Python 3.11 Module Docs(64-bit)

5. For the conversion of the process of Text to Speech, we have also installed a software named "VISUAL STUDIO CODE".