

# Natural Disasters Intensity Analysis and Classification using Artificial Intelligence

## PNT2022TMID34563

### **Prerequisites:**

#### **Hardware Specifications:**

- Windows (minimum 10), Mac & Linux
- Ram - 4GB ( minimum)
- Hard Disk - 100GB (minimum)
- Processor - Intel i3 (minimum), Mac M1

#### **Software Specifications:**

- Anaconda Navigator - <https://www.anaconda.com/products/distribution>
- Jupyter notebook.
- Google Colab - <https://colab.research.google.com/>
- Spyder / VS Code / Pycharm

#### **IBM:**

- IBM Account Creation - <https://vimeo.com/742609168/1824d26a5b> (Follow this video for IBM Skill Build Account Creation)
- IBM Skill Build - <https://www.ibm.com/academic/home>
- Webmail - <https://sg2plmcpnl492529.prod.sin2.secureserver.net:2096/>
- IBM Cloud - <https://cloud.ibm.com/login>

#### **Anaconda Navigator:**

Anaconda is an open-source distribution of the Python and R programming languages for data science that aims to simplify package management and deployment. To install Anaconda refer this video: <https://youtu.be/5mDYijMfSzs> To build Machine learning models the following packages are required.

- Numpy
- Scikit-learn
- OpenCV
- Flask
- Python packages