

# Pre-Requisites

TEAM IT	PNT2022TMID13948
PROJECT NAME	Project – Natural Disaster Intensity Analysis and Classification Using Artificial Intelligence

```
Anaconda Prompt (anaconda3)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
    | 438 kB 3.3 MB/s
Requirement already satisfied: setuptools in c:\users\dhana\anaconda3\lib\site-packages (from tensorflow) (50.3.1.post20201107)
Requirement already satisfied: typing-extensions>=3.6.6 in c:\users\dhana\anaconda3\lib\site-packages (from tensorflow) (3.7.4.3)
Collecting google-pasta<0.2.0-py3-none-any.whl (57 kB)
  Downloading google_pasta-0.2.0-py3-none-any.whl (57 kB)
    | 57 kB 1.5 MB/s
Collecting opt-einsum<2.3.2
  Downloading opt_einsum-3.3.0-py3-none-any.whl (65 kB)
    | 65 kB 1.3 MB/s
Collecting grpcio<2.0,>=1.24.3
  Downloading grpcio-1.50.0-cp38-cp38-win_amd64.whl (3.7 MB)
    | 3.7 MB 2.2 MB/s
Collecting absl-py<=1.0.0
  Downloading absl_py-1.3.0-py3-none-any.whl (124 kB)
    | 124 kB 3.2 MB/s
Collecting tensorflow-io-gcs-filesystem<=0.27.0-cp38-cp38-win_amd64.whl (1.5 MB)
  Downloading tensorflow_io_gcs_filesystem-0.27.0-cp38-cp38-win_amd64.whl (1.5 MB)
    | 1.5 MB 3.2 MB/s
Collecting keras<2.11,>=2.10.0
  Downloading keras-2.10.0-py2.py3-none-any.whl (1.7 MB)
    | 1.7 MB 3.2 MB/s
Collecting numpy<1.20
  Downloading numpy-1.22.4-cp38-cp38-win_amd64.whl (14.7 MB)
    | 14.7 MB 2.2 MB/s
Requirement already satisfied: packaging in c:\users\dhana\anaconda3\lib\site-packages (from tensorflow) (20.4)
Collecting Keras-Preprocessing<1.1.2-py2.py3-none-any.whl (42 kB)
  Downloading Keras_Preprocessing-1.1.2-py2.py3-none-any.whl (42 kB)
    | 42 kB 441 kB/s
Requirement already satisfied: wrapt<=1.11.0 in c:\users\dhana\anaconda3\lib\site-packages (from tensorflow) (1.11.2)
Collecting flatbuffers<2.0
  Downloading flatbuffers-22.10.26-py2.py3-none-any.whl (26 kB)
    | 26 kB
Requirement already satisfied: wheel<1.0,>=0.23.0 in c:\users\dhana\anaconda3\lib\site-packages (from astunparse>=1.6.0->tensorflow) (0.35.1)
Requirement already satisfied: requests<3,>=2.21.0 in c:\users\dhana\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.24.0)
Collecting tensorboard-data-server<0.7.0,>=0.6.0
  Downloading tensorboard_data_server-0.6.1-py3-none-any.whl (2.4 kB)
    | 2.4 kB
Collecting markdown<3.4.1-py3-none-any.whl (93 kB)
  Downloading Markdown-3.4.1-py3-none-any.whl (93 kB)
    | 93 kB 3.3 MB/s
Collecting tensorboard-plugin-wit<=1.6.0
  Downloading tensorboard_plugin_wit-1.8.1-py3-none-any.whl (781 kB)
    | 781 kB 3.3 MB/s
Collecting google-auth-oauthlib<0.5,>=0.4.1
  Downloading google_auth_oauthlib-0.4.6-py2.py3-none-any.whl (18 kB)
    | 18 kB
Requirement already satisfied: werkzeug<=1.0.1 in c:\users\dhana\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (1.0.1)
Collecting google-auth<3,>=1.6.3
  Downloading google_auth-2.14.1-py2.py3-none-any.whl (175 kB)
    | 175 kB 3.3 MB/s
Requirement already satisfied: pyparsing<2.0.2 in c:\users\dhana\anaconda3\lib\site-packages (from packaging->tensorflow) (2.4.7)
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Anaconda Prompt (anaconda3)
(base) C:\Users\dhana>pip install numpy
Requirement already satisfied: numpy in c:\users\dhana\anaconda3\lib\site-packages (1.19.2)

(base) C:\Users\dhana>python -V
Python 3.8.5

(base) C:\Users\dhana>pip install pandas
Requirement already satisfied: pandas in c:\users\dhana\anaconda3\lib\site-packages (1.1.3)
Requirement already satisfied: numpy>=1.15.4 in c:\users\dhana\anaconda3\lib\site-packages (from pandas) (1.19.2)
Requirement already satisfied: python-dateutil<2.8,>=2.7.3 in c:\users\dhana\anaconda3\lib\site-packages (from pandas) (2.8.1)
Requirement already satisfied: pytz>=2017.2 in c:\users\dhana\anaconda3\lib\site-packages (from pandas) (2018.9)
Requirement already satisfied: six>=1.5 in c:\users\dhana\anaconda3\lib\site-packages (from python-dateutil>=2.7.3->pandas) (1.15.0)

(base) C:\Users\dhana>pip install scikit-learn
Requirement already satisfied: scikit-learn in c:\users\dhana\anaconda3\lib\site-packages (0.22.2)
Requirement already satisfied: threadpoolctl<=2.0.0 in c:\users\dhana\anaconda3\lib\site-packages (from scikit-learn) (2.1.0)
Requirement already satisfied: scipy<=0.19.1 in c:\users\dhana\anaconda3\lib\site-packages (from scikit-learn) (1.5.2)
Requirement already satisfied: joblib<=0.11 in c:\users\dhana\anaconda3\lib\site-packages (from scikit-learn) (0.17.0)
Requirement already satisfied: numpy>=1.13.3 in c:\users\dhana\anaconda3\lib\site-packages (from scikit-learn) (1.19.2)

(base) C:\Users\dhana>pip install opencv-contrib-python
Collecting opencv-contrib-python
  Downloading opencv_contrib_python-4.6.0.66-cp36-abi3-win_amd64.whl (42.5 MB)
    | 42.5 MB 2.2 MB/s
Requirement already satisfied: numpy>=1.17.3; python_version >= "3.8" in c:\users\dhana\anaconda3\lib\site-packages (from opencv-contrib-python) (1.19.2)
Installing collected packages: opencv-contrib-python
Successfully installed opencv-contrib-python-4.6.0.66

(base) C:\Users\dhana>pip install tensorflow
Collecting tensorflow
  Downloading tensorflow-2.10.0-cp38-cp38-win_amd64.whl (455.9 MB)
    | 455.9 MB 22 kB/s
Requirement already satisfied: h5py>=2.9.0 in c:\users\dhana\anaconda3\lib\site-packages (from tensorflow) (2.10.0)
Collecting gast<0.4.0,>=0.2.1
  Downloading gast-0.4.0-py3-none-any.whl (9.8 kB)
    | 9.8 kB
Collecting termcolor<=1.1.0
  Downloading termcolor-1.1.0-py3-none-any.whl (5.8 kB)
    | 5.8 kB
Collecting astunparse<=1.6.0
  Downloading astunparse-1.6.3-py2.py3-none-any.whl (12 kB)
    | 12 kB
Requirement already satisfied: six>=1.12.0 in c:\users\dhana\anaconda3\lib\site-packages (from tensorflow) (1.15.0)
Collecting libclang<=14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
  Downloading libclang-14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
    | 14.2 MB 2.2 MB/s
Requirement already satisfied: protobuf<3.20,>=3.9.2 in c:\users\dhana\anaconda3\lib\site-packages (from tensorflow) (3.15.8)
Collecting tensorboard<2.11,>=2.10
  Downloading tensorboard-2.10.1-py3-none-any.whl (5.9 MB)
    | 5.9 MB 2.2 MB/s
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
    | 438 kB
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Anaconda Prompt (anaconda3)
175 kB 3.3 MB/s
Requirement already satisfied: pyrsim>=2.0.2 in c:\users\dhana\anaconda3\lib\site-packages (from packaging>tensorflow) (2.4.7)
Requirement already satisfied: urllib3[!1.25.0,!1.25.1,<1.26,>=1.21.1] in c:\users\dhana\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (1.25.11)
Requirement already satisfied: idna<3,>=2.5 in c:\users\dhana\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2.10)
Requirement already satisfied: chardet4,>=3.0.2 in c:\users\dhana\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (3.0.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\dhana\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2020.6.20)
Collecting importlib-metadata>=4.4; python_version < "3.10"
  Downloading importlib-metadata-5.0.0-py3-none-any.whl (21 kB)
Collecting requests-oauthlib>=0.7.0
  Downloading requests-0authlib-1.3.1-py2.py3-none-any.whl (23 kB)
Collecting cachetools>=6.0,>=2.0.0
  Downloading cachetools-5.2.0-py3-none-any.whl (9.3 kB)
Collecting rsa<5,>=3.1.4; python_version >= "3.6"
  Downloading rsa-4.9-py3-none-any.whl (34 kB)
Collecting pyasn1-modules>=0.2.1
  Downloading pyasn1-modules-0.2.8-py2.py3-none-any.whl (155 kB)
155 kB 6.8 MB/s
Requirement already satisfied: zipp>=0.5 in c:\users\dhana\anaconda3\lib\site-packages (from importlib-metadata>=4.4; python_version < "3.10">markdown>=2.6.8->tensorboard<2.11,>=2.10->tensorflow) (3.4.0)
Collecting oauthlib>=3.0.0
  Downloading oauthlib-3.2.2-py3-none-any.whl (151 kB)
151 kB 3.3 MB/s
Collecting pyasn1>=0.1.3
  Downloading pyasn1-0.4.8-py2.py3-none-any.whl (77 kB)
77 kB 5.1 MB/s
Installing collected packages: gast, termcolor, astunparse, libclang, tensorboard-data-server, importlib-metadata, markdown, absl-py, tensorboard-plugin-wit, grpcio, oauthlib, requests-0authlib, cachetools, pyasn1, rsa, pyasn1-modules, google-auth, google-auth-0authlib, numpy, tensorboard, tensorflow-estimator, google-pasta, opt-einsum, tensorflow-io-gcs-filesystem, keras, keras-preprocessing, flatbuffers, tensorflow
Attempting uninstall: importlib-metadata
  Found existing installation: importlib-metadata 2.0.0
  Uninstalling importlib-metadata-2.0.0:
    Successfully uninstalled importlib-metadata-2.0.0
Attempting uninstall: numpy
  Found existing installation: numpy 1.19.2
  Uninstalling numpy-1.19.2:
    Successfully uninstalled numpy-1.19.2
Successfully installed absl-py-1.3.0 astunparse-1.6.3 cachetools-5.2.0 flatbuffers-22.10.26 gast-0.4.0 google-auth-2.14.1 google-auth-0authlib-0.4.6 google-pasta-0.2.0 grpcio-1.50.0 importlib-metadata-5.0.0 keras-2.10.0 keras-preprocessing-1.1.2 libclang-14.0.6 markdown-3.4.1 numpy-1.23.4 oauthlib-3.2.2 opt-einsum-3.3.0 pyasn1-0.4.8 pyasn1-modules-0.2.8 requests-0authlib-1.3.1 rsa-4.9 tensorboard-2.10.1 tensorboard-data-server-0.6.1 tensorboard-plugin-wit-1.8.1 tensorflow-2.10.0 tensorflow-estimator-2.10.0 tensorflow-io-gcs-filesystem-0.27.0 termcolor-2.1.0

(base) C:\Users\dhana>pip install keras
Requirement already satisfied: keras in c:\users\dhana\anaconda3\lib\site-packages (2.10.0)

(base) C:\Users\dhana>pip install flask
Requirement already satisfied: flask in c:\users\dhana\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\dhana\anaconda3\lib\site-packages (from flask) (1.1.0)
Requirement already satisfied: click>=5.1 in c:\users\dhana\anaconda3\lib\site-packages (from flask) (7.1.2)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\dhana\anaconda3\lib\site-packages (from flask) (2.11.2)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\dhana\anaconda3\lib\site-packages (from flask) (1.0.1)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\dhana\anaconda3\lib\site-packages (from Jinja2>=2.10.1->flask) (1.1.1)

(base) C:\Users\dhana>

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