# **AiPowered-power-line-fault-detection Environment Setup:**

Below are the steps to setup project execution environment. Follow the steps in the same order as specified.

Step1: Download project submission zip file ‘AiPowered-power-line-fault-detection.zip’ and extract (unzip) the folders and files.

Step2: Create conda environment by running below sciripts in ‘Anaconda Prompt’ (Anaconda command line interface). Script is available in ‘CA3-conda-environment-setup-script.txt’ in project base folder.

Step3: Download input datasets from the below URL and copy in to ‘aiPowered-power-line-fault-detection\input’.

<https://www.kaggle.com/c/vsb-power-line-fault-detection/data>

1. metadata\_train.csv (https://www.kaggle.com/c/vsb-power-line-fault-detection/download/metadata\_train.csv)
2. train.parquet (https://www.kaggle.com/c/vsb-power-line-fault-detection/download/train.parquet)

Step4: Once the datasets have been extracted in datasets folders, run the following python programs using Jupyter notebook : ‘*aiPowered-power-line-fault-detection\pythonscript\ aiPowered-power-line-fault-detection.ipynb’*