**Function of files**

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| File Location | File name | Function |
| Repository page >  Folder named “ANN” | ANN.ino | Arduino coding for applying Artificial Neural Network (ANN) model on ESP32 to predict wind speed based on temperature and humidity readings from DHT22 sensor. |
| Repository page >  Folder named “ANN” | model.h | ANN model converted to C array format. |
| Repository page >  Folder named “ANN\_test” | ANN\_test.ino | Arduino coding for testing deployment of ANN model on ESP32. |
| Repository page >  Folder named “ANN\_test” | model.h | ANN model converted to C array format. |
| Repository page >  Folder named “MLR” | MLR.ino | Arduino coding for applying Multiple Linear Regression (MLR) model on ESP32 to predict wind speed based on temperature and humidity readings from DHT22 sensor. |
| Repository page >  Folder named “MLR” | model.h | MLR model converted to C array format. |
| Repository page >  Folder named “MLR\_test” | MLR\_test.ino | Arduino coding for testing deployment of MLR model on ESP32. |
| Repository page >  Folder named “MLR\_test” | model.h | MLR model converted to C array format. |
| Repository page | ANN.ipynb | Google Colab coding for training ANN model. |
| Repository page | MLR.ipynb | Google Colab coding for training MLR model. |
| Repository page | Result Analyzer.ipynb | Google Colab coding for determining accuracy of MLR and ANN models. |
| Repository page | Result.xlsx | Result of wind speed prediction included data recorded during raining weather. |
| Repository page | Result2.xlsx | Result of wind speed prediction excluded data recorded during raining weather. |
| Repository page | Setapak.xlsx | Training dataset for MLR and ANN model. |