Platform for the Implementation

Newer version for Pytorch

* **Preliminary works**

1. Convert our original codes that were previously written using Keras, into Pytorch version and finetune the models to get optimal solutions
2. In addition to LSTM and Bi-LSTM, we can use the Gated Recurrent Unit Architecture (GRU and Bi-GRU)

* **Advanced Works**

[**Survey Paper**](https://www.mdpi.com/2076-3417/13/21/12019#B46-applsci-13-12019)

* **Recurrent NN-based model**
  + **MetNet** [**https://arxiv.org/pdf/2003.12140**](https://arxiv.org/pdf/2003.12140)
  + **Conv1d LSTM:** [**https://doi.org/10.30564/aia.v3i1.2790**](https://doi.org/10.30564/aia.v3i1.2790)
* **Prediction Data Augmentation based on Generative model**

We can get the real data from 2021 to 2024 and compare the result of our model on this real data to their result when using data augmentation from generative models. (**Feature Forest Flow)**

* + **Cycle Gan**
  + **Stasy**
  + **TABDDM**
  + **Forest Flow**
  + **Feature Forest Flow**