Khmer Riel Forecasting

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Since our project is about *Time Series Forecasting*, we have to come up with many difficulties step by step because everything was new for us to deal with and understand each point of the project. However, now we can go through successfully with each point of the project task from the beginning of starting our project till the final one.

Here are some several steps, which we use to apply in each step:

1. *Define the Project Objective:* there were sound 10 times of online meeting around 1 hour to 2 hours, which discussed what our topic is and the objective of our project scoping, then the result we came up with Khmer Riel Price Forecasting.

2. *Project 1*: Web-Scraping
   a. **Leader:** Oun Vikreth (ID: e20200485)
      i. His responsibilities was giving the explanation of scraping and giving us how to scrap the data from the website. Moreover, he was also involved in scraping the data.
   b. **Teammate:** Mao Kimlang (ID: e20201055)
      i. Her responsibilities for this project was finding the algorithms and methods to scrap.
   c. **Teammate:** Pean Chhinger (ID: e20201339)
      i. Her responsibilities for this project was finding the algorithms and methods to scrap.
   d. **Teammate:** Nang Sreynich (ID: e20200447)
      i. My responsibilities for this project was finding the algorithms and methods to scrap.

For the Manuscripting: We divided 2-3 responsible parts for each member.

3. *Project2: Role and Responsibilities with Building each Model*
   a. **Leader:** Oun Vikreth (ID: e20200485)
      i. His responsibilities for this project is Building LSTM Model, and observing the result of Data Processing, ARIMA Model and ETS Model after other teammates had finished and concluded the final result.
   b. **Teammate:** Mao Kimlang (ID: e20201055)
      i. Her responsibilities for this project was Building ETS Model.
   c. **Teammate:** Pean Chhinger (ID: e20201339)
      i. Her responsibilities for this project was Data Processing.
   d. **Teammate:** Nang Sreynich (ID: e20200447)
      i. My responsibilities for this project was Building ARIMA Model.

For the Manuscripting: We divided each responsible part for each member.

4. *Final Project: working on deployment*

5. Team responsibility

    a. **Leader:** Oun Vikreth (ID: e20200485)

        i. His responsibilities for this project is Building Flask with LSTM model, API, Dockerfile.

    b. **Teammate:** Mao Kimlang (ID: e20201055)

        i. Her responsibilities for this project was Building Flask ETS Model, and ARIMA Model.

    c. **Teammate:** Pean Chhinger (ID: e20201339)

        i. Her responsibilities for this project was Building Flask ETS Model, and ARIMA Model.

    d. **Teammate:** Nang Sreynich (ID: e20200447)

        i. My responsibilities for this project was Building Flask ETS Model, and ARIMA Model.