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| GROUP D – 7th Meeting minutes | |
| Location: | Virtual (Zoom) |
| Date: | 3/06/2021 |
| Time: | 7:30pm – 8:30pm |
| Facilitator: | Bahee Gnanasundram |

# Agenda Items

1. Discuss the progress of LSTM
2. Discuss whether we can get any useful Solar PV data
3. Working out action plan.

# Meeting Minutes

Start Time: 7:30pm

Finish Time: 8:30pm

Attendees: Bahee Gnanasundram, Maththew Seery, Rahul Lobo, Mohammad Ahsan Ullah

**Outcome:**

* 1. Matt presented the updated version of LSTM incorporating feature inputs, with time series. LSTM was able to produce a good forecast, with RMSE of 70-80MW. Require further fine tuning.
  2. Ahsan provided the Solar PV data, but this is for the entire state and per month. Bahee will explore and will try to map the timeslot and temperature.
  3. Rahul to refine the model parameters and validate the models

# Action Items

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| Task | Name | Completion Date | Current Status |
| Meeting Minutes | Bahee | 16/05/2021 | Completed |
| Git Repository Setup | Matt | 16/05/2021 | Completed |
| Group Project Plan & | All | 18/05/2021 | Core work completed. Matt will make the submission on the 18th.  Completed on the 18th May |
| Check list | All | 18/05/2021 | All will respond individually based on the group decision.  Completed on the 18th May |
| Booking with a lecturer | Bahee | 14/05/2021 | Booking made with Gustavo Batista for 1PM-2PM, 18/05/2021 |
| Review Data | All | 24/05/2021 | Completed |
| Booking with a lecturer | Bahee | 24/05/2021 | Booking made with Michele for 3PM-4PM, 27/05/2021 |
| Preprocess Data | Matt, Bahee | 31/05/2021 | 80% completed |
| Document Data Visualization | Ahsan | 27/05/2021 | Completed on time |
| Statistical Analysis of data | Rahul | 31/05/2021 | On going |
| LSTM | Matt | 8/06/2021 | Refine the model with feature input |
| Solar PV | Ahsan | 3/6/2021 | Provided monthly data |
| Review Model | Bahee, Rahul | 3/6/2021 | Review both MLP and LSTM |
| Booking with a lecturer | Bahee | 3/6/2021 | Booking made with Michele for 7PM-8PM, 07/06/2021 |
| Solar PV | Bahee | 10/06/2021 | Will try to incorporate the Solar PV as input. |
| LSTM, MLP continuous improvement | Matt, Bahee | 10/06/2021 | Ongoing |
| Model Validation | Rahul and Ahsan | 10/06/2021 | Ongoing |