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| GROUP D – 9th Meeting minutes | |
| Location: | Virtual (Zoom) |
| Date: | 11/06/2021 |
| Time: | 7:30pm – 8:30pm |
| Facilitator: | Bahee Gnanasundram |

# Agenda Items

1. Discuss the Prediction Program
2. Ahsan to discuss alternative models and implementations
3. Delegate report writing by sections
4. 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. Bahee demonstrated the Prediction Program, all reviewed and discuss the approach
  2. Ahsan has done several and serious work, but still the implemented and tested LSTM model gives the best results with RSME of less than 70MW.
  3. Rahul did the initial framework and will compile sections from other members. Rahul to make use of the original project plan document, Matt to provide the LSTM model description, Bahee to provide write up on the prediction algorithm and Ahsan to provide the data visualization.

# 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 | Completed on time |
| Document Data Visualization | Ahsan | 27/05/2021 | Completed on time |
| Statistical Analysis of data | Rahul | 31/05/2021 | Completed on time |
| LSTM | Matt | 8/06/2021 | Completed on time |
| Solar PV | Ahsan | 3/6/2021 | Provided monthly data on time |
| Review Model | Bahee, Rahul | 3/6/2021 | Review both MLP and LSTM. Completed on time. |
| 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 |
| Prediction Program | Bahee | 11/06/2021 | Will start working on it. |
| Exploring Alternative models and/or implementation | Ahsan | 11/06/2021 | Completed and presented on time |
| Delegation of Report Tasks | Rahul | 11/06/2021 | Discussed and distributed to team members on the 11th. |
| Booking with a lecturer | Bahee | 12/06/2021 | Booking made with Michele for 7PM-8PM, 14/06/2021 |
| Report | All | 15/06/2021 |  |