Meeting Record

**Electricity Demand Forecasting Using Machine Learning**

Electricity generation is one of the most important inventions in human history. Electricity powers devices in our homes, transportation, and factories. Predicting the electricity demand is essential for power generation and investment decisions so that costly problems, such as shortage and oversupply, are avoided. The project aims to build machine learning algorithms to predict the future consumption of electricity. The project aims to implement machine learning algorithms in Python to predict electricity demands based on historical usage data.

Dr. Mohammad Abualsheikh

1. **13/02/2023 Monday W2**

Participants: Zhongyuan Zhang, Ting Zhang, Jin He

Notes:

1. Communicate future available meeting time for each member
2. Present the overall project direction and recent plans: define the Scope this week, complete the Proposal and Plan in Week 3&4
3. List questions to prepare for tomorrow's meeting with the mentor
   1. Scoring criteria for meeting notes
   2. Regional limitation of the project
   3. The target stakeholders for the project
   4. Selection and number requirement of ML algorithms
4. **14/02/2023 Tuesday W2**

Participants: Zhongyuan Zhang, Ting Zhang, Jin He, Dr. James, Dr. Mohammad

J - Mentor 2h whole semester, mark, question about M

M – sponsor, more time, throw ideas

* Why this topic:

1. Provider, overproduce, supple-demand balance
2. Electrical new product demand
3. WFH demand increase, consumption, too much to handle
4. Gov concern, environment, coal/wind/…power, 55/35 gov policy

* System ML method
* Allocate diff tasks
* Visual
* ML Models
* Documentation
* Project management
* Document share – Github
* Scrum - use tool (eg. Trolle) click up
* Mixed energy problems included
* why important for gov/ public/ individual/… (id stakeholders 3-4) how to design new suburbs/ builders/city plan … invest wt energy selection
  + customers may = supplier
  + to Gov, mention focus…
* forecast (will discuss, refer dataset)
* Budget $300, inc. poster budget $50

Recent goal:

* Do research, find resources
* Stakeholders

-> Motivation

* Github ready
* Click-up plan
* W4 proposal -> get feedback

Documentation – start now! Weekly reflection!

Next meeting: next Tuesday, 2pm online