## Feb 6, 2024 | [SER 517 - Group 31 meeting](https://www.google.com/calendar/event?eid=XzYwcTMwYzFnNjBvMzBlMWk2MG80YWMxZzYwcmo4Z3BsODhyajJjMWg4NHMzNGg5ZzYwczMwYzFnNjBvMzBjMWc3MHA0NmNwbDZjcjNpZDFsNmgyNDhnOWc2NG8zMGMxZzYwbzMwYzFnNjBvMzBjMWc2MG8zMmMxZzYwbzMwYzFnODkyazhkYTM2b3EzNmdhMjZncDNjaDFrNzExNDRlOWw2c3JqZWNxMjhrcWo2ZDIzNmNyZ18yMDI0MDIwNlQyMTMwMDBaIGhnb3R0YW1AYXN1LmVkdQ)

Attendees: [Abdallah Moubayed](mailto:amoubaye@asu.edu) [Amit Noel Thokala](mailto:athokal1@asu.edu) [Hari Priya Gottam](mailto:hgottam@asu.edu) [Harsha Vardhan Yallavula](mailto:hyallavu@asu.edu) [Sai Rithvik Vaikuntam](mailto:svaikunt@asu.edu) [Vishwanath Reddy Yasa](mailto:vyasa@asu.edu) [Yashwanth Reddy Kikkuri](mailto:ykikkuri@asu.edu)

**Topics Covered:**

1. Review of Previous Sprint
2. Discussion on Identified Models for 5G-NIDD Dataset
3. Explanation of Basic Understanding and Preprocessing of Dataset
4. End Deliverable - Submission of IEEE Report
5. Sprint-1 Action Items
6. Overall Plan of Action as Discussed by Prof.

**Notes:**

1. Review of Previous Sprint:
   * Literature review completed.
   * Models identified, including SVM and ensemble model.
   * Base models for the ensemble model were discussed, including the use of ANN and RNN.
2. Discussion on Identified Models
   * The team discussed identified models for the 5G-NIDD dataset, focusing on SVM and ensemble models.
   * Base models for ensemble: any existing model, ANN, RNN.
3. Explanation of Basic Understanding and Preprocessing of Dataset:
   * The team shared their basic understanding of the dataset.
   * Basic preprocessing steps were explained.
4. Explained end deliverable - Submission of IEEE report.
5. Discussed what needs to be committed as part of Sprint-1

**Action items**

* Perform preprocessing (Data visualization)
* Identify appropriate models
* Identification of relationships between features and their correlation
* Start implementation of identified models.
* Have some code developed and commit those to GIT.
* Documentation of environment setup, and how to run the program.

**Overall Plan of Action as discussed by Prof:**

* In the next 3 sprints, complete implementation of models.
* Advancements in the models and feature selection enhancements in the remaining 2 sprints.

Action Owners - TBD in sprint meeting

Action Item Dates - TBD in sprint meeting

Date and Time of Next Meeting- 02/22/2024