**Team 1. Framework, User Experience and Data Module**

**Task/Scope:**

1. Plan & design for the GUI for user to interact.
2. Read the data - Assuming user has provided the file.
3. Clean the data
   1. Anomalies (NA, blank, non-numerical in numerical column, etc.)
4. Save the cleaned data in Database
5. Pass & invoke the APIs.
6. Plot/visualize the output of the APIs on GUI

**Technology Stack:**

* Github <https://github.com/anjanar94/CCE_ML_2020>
* Programming Language – **Python 3.7**
* Database –MongoDB
* Python Framework - Flask
* GUI Framework – Dash with plan Java Script

**Data:**

1. Numerical: (Univariate, Bivariate, Multivariate)
2. Binary: Vectors, Images etc

**File formats:**

* Files – Text, CSV and Space, semicolon, tab etc separated files
* Images – jpeg, gif etc

**Block Diagram:**

