Minions

Team Members

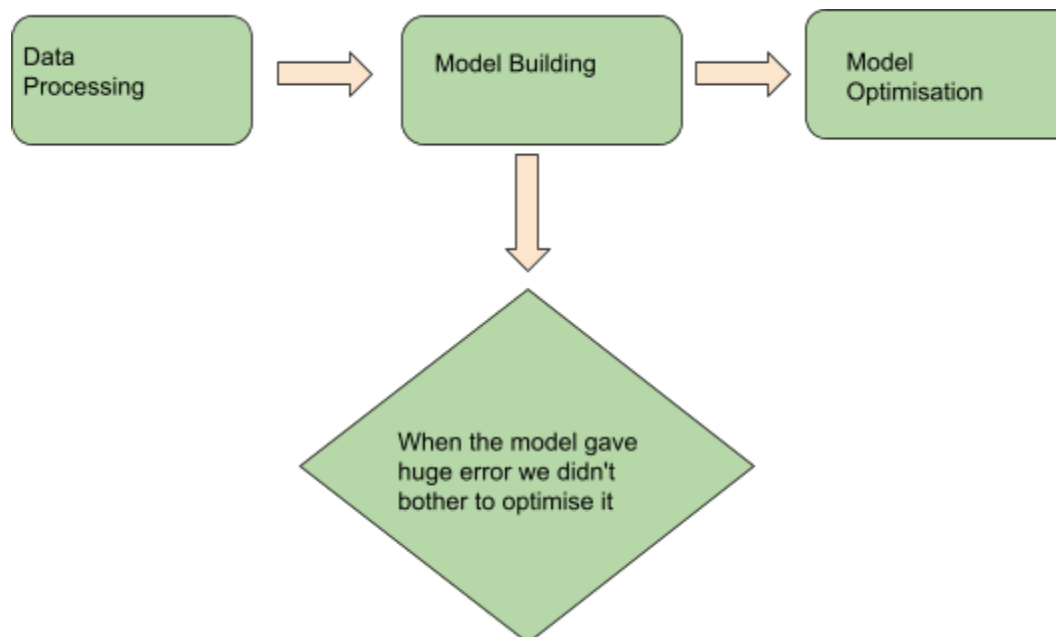- M Varshith

- Dileepan S.K.

- Emil Ben

Structure :

We split the work in terms of:

Data Preprocessing

Model Building

Model Optimizing

The Models with huge errors were generally Time Series Models(explained in report file) and truthfully speaking due to their high complexity it is difficult to optimize them.

Varshith :

- Mostly Model building
- Come up with the explanation why our Data doesn't work with TimeSeries Models
- Built Linear Regression
- Built Gradient Boosting
- Built VAR Model
- Build Lstm Model
- Built Random Forest
- Built XG Boost
- Built Cat Boost
- Data Handling
- Prepared the documents

Dileepan S K:

- Mostly Data preprocessing
- Handled the distribution of data
- Suggested to remove rows containing nulls values of air temp.
- Filled normal distribution of data.
- Built Facebook Prophet.

Emil :

- Dealt with Model Optimization
- Gave the idea of binning for Latitude and Longitude
- Optimised Linear Regression
- Built and Optimised Knn using pipeline and grid search
- Optimized Random Forest using pipeline and grid search
- Optimized Gradient Boosting using pipeline and grid search
- Optimized XG Boost using pipeline
- Optimized Cat Boost using pipeline