# Project Meeting Minutes

*The main purpose of the document is to capture all the work that has been done by the group and* ***not*** *to write down what was discussed in a single meeting. You should be meeting and/or working throughout the week*.

Date of meeting(s): **02/26/2023**

**03/04/2023**

**03/07/2023**

Group Number: **07**

Group members present (Name, ID):

* Mohmad. Faizal Kazi **0783366**
* Aleena Almeida **0788193**
* Pradeep Kumar Tomar **0789140**
* Akash Sharma **0785748**
* Jay Patel **0789561**

Specific Activities that were completed/worked on:

* List brief description of activities carried out **by group members.**

1. **Finalized VGG-16 & Random Forest for Image data classification:** Akash (VGG-16) and Aleena (Random Forest Model)
2. Completed regression model by Akash with its accuracy and precision.
3. **EDA, ARIMA model & Random Forest:** Pradeep, Faizal, and Jay.
4. The whole team worked on creating the PowerPoint presentation file.

Specific Output from work:

* Include a brief summary of any written work or any code developed.

**Akash and Aleena worked on R&D and performed the tasks below.**

1. Aleena worked on precision, recall and F1 score for random forest. Resolved the error of reading all the images in dataset by reshaping the images.
2. Getting Accuracy and Precision and recall as 50% for regression model as well.

**Pradeep, Faizal and Jay worked on identifying what model will be appropriate for forecasting time series data and EDA**

1. We finalized and completed Random Forest.
2. Researched on FB prophet Model for forecasting.
3. Implementing Smoothing technique on Random Forest.
4. Working on creating a forecasting dashboard/visualization on Tableau

On Target:

* Indicate the current status of your project:
  + \_\_\_\_\_ **green**: everything on track for completion by due date
  + \_\_\_\_\_ yellow: a small number of tasks are off track and completion by due date is at risk
  + \_\_\_\_\_ red: many tasks are off track and project will not be completed by due date

Challenges/Disagreements:

* List any challenges identified/discussed and possible solutions.
  + Faced issues in implementing Smoothing technique on Random Forest.
  + Some challenges were faced to improve the recall, precision and accuracy for CNN model by Akash.
  + Sometimes, it took a lot of time to run the model for all the successive epochs.
* List any notable disagreements and subsequent discussion and resolution.
* Nothing as such

Planned Activities for coming week:

* List brief description of activities **by group member**
* Make sure tasks are assigned to address yellow and red flag items.
* **Aleena** will work on Recall, precision and F1 score plots, and work more on EDA as well.
* **Akash** - Hyper tuning of the CNN model created to check for better Precision, Recall and Accuracy.
* **Faizal is** going to work on the FB Prophet model. We will also be working on the Final Report.
* Jay will be going through the book – Communicating with Data: The Art of Writing for Data Science.
* **Pradeep** will work on Smoothing in R and read chapter 1 & 2 from storytelling with you.
* The whole team would be doing R & D on report writing for final submission