**<Forecasting>**

**Business Objective:**

**Total Inpatient Beds have been recorded to understand the occupancy of the beds on a daily basis for a year. Our objective is to forecast the data available and find out estimated beds available for the period of next one month.**

**Data Set Details:**

This dataset provides hospital-aggregated data for estimated patient impact and hospital utilization collected from chain of hospitals. Data is collected for the beds occupied in the hospital. Total available beds are 900.

<This dataset consists of 360 observations>

**Acceptance criteria:**

- Should get the least possible RMSE and the model should be deployed using Flask/ RShiny/Heroku.

**Milestones:**

30 days to complete the Project

| **Milestone** | **Duration** | **Task start - End Date** |
| --- | --- | --- |
| Kick off and Business Objective discussion | 1 day |  |
| Data set Details | 2 days |  |
| EDA | 1 week |  |
| Model Building and evaluation | 2 weeks |  |
| Deployment | 4 days |  |
| Final presentation | 1 day |  |

Protocols:

1. All participants should add here to agreed timelines and timelines will not be extended
2. All the documentation – Final presentation and R/python code to be submitted before the final presentation day
3. All the participants must attend review meetings