*P73\_Classification of Machine Failure:*

**Business Objective:**

In industries, re-evaluating their maintenance schedules is necessary for this digitalization era as smart as possible for production enhancements. Predictive maintenance offers great opportunities to businesses for a smarter and more digital facility. Using this dataset our objective is to predict when the machine is more likely to fail.

**Data Set Details:**

-The dataset contains 10000 observations in 14 columns

**Acceptance Criterion:**

Need to deploy the end results using Rshiny/ Flask / Heroku.

**Milestones:**

**30 days to complete the Project**

| **Milestone** | **Duration** | **Task start - End Date** |
| --- | --- | --- |
| Kick off and Business Objective discussion | 1 day | 25/09/2021 |
| Data set Details | 1 Week | 02/10/2021 |
| EDA | 1 week | 09/10/2021 |
| Model Building & Evaluation | 1 Week - 1 1/2 week | 16/10/2021 |
| Deployment & Final presentation | 1 Week | 23/10/2021 |

Protocols:

1. All participants should adhere 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.