**Predictive Maintenance (WEB APPLICATION)**

1. Predict if something will break or not
2. Informs you upfront if the machine will break-down
3. Predict the machine will break down in 2-3 weeks
4. Monitor the data -> predict when it is going to fail or predict when it is going down….
5. Predictive maintenance help in **cost** reduction, ecosystem for condition based maintenance… (if it is going to fail in the next few months)
6. It minimizes over-supply ….

* Data Capture from sensors
* Get the data for analytics
* Predictive Analysis (anomaly detection, thresholding)
* Notification…..

**Insights**

* Real-time performance
* Trend monitoring
* Anomaly Detection
* Prediction of required maintenance

**Challenge (to be addressed by Predictive Maintenance in Food & Tech)**

* Cost efficiency (reliable production line)
* Waste reduction (limiting eco footprint)
* Predictability (increase of continuity)
* COME UP WITH A DASHBOARD OR WEB APPLICATION

Temp: census

Moisture: %

Baro: HPk (Hecto Pascal)

Current: magnitude 0-1024 i.e., 0-100 A (around 55000W)

X, Y, Z: sensor movement within the system (position of the sensor, the more it moves, the more imbalanced the system is)

Microphone: relative magnitude (related to db)

12 millisecond data recording rate

REAL-TIME MONITORING !!!!

ACTIVE NOTIFICATION….

Hourly trend of visualization

* Classification is already done (but NOT shown to us): abnormal/normal
* HImpulse Library

Alert Notification depends on the features….

Financial Benefit Estimation: How much cost savings???