

# Equipment Failure Prediction for Predictive Maintenance

- Predictive maintenance helps in detecting issues in advance and resolve problems before equipment failure can occur.
- Predictive maintenance strategy uses data analytics tools to monitor the performance of equipment during normal operation to detect any potential issues before they become major problems.
- The data is collected by connected sensors in machinery and equipment. Depending on the data collected and predefined predictive algorithms, it tries to estimate when a breakdown will occur.

- The project aims to enhance maintenance strategies, reduce downtime, and optimize the reliability and performance of critical machinery.

Week 1 ( 1st June – 4th June)

- Had meeting with mentor to discuss about project
- Discovering Resources
- Numpy
- Pandas
- Scikit-Learn
- Dataset: NASA Turbofan Jet Engine Data Set to learn and understand the concept.