

Data Analytics Major Project

About Dataset: - Dataset Overview

This dataset contains sensor data collected from various machines, with the aim of predicting machine failures in advance. It includes a variety of sensor readings as well as recorded machine failures.

Columns Description: -

Footfall: The number of people or objects passing by the machine.

Temp Mode: The temperature mode or setting of the machine.

AQ: Air quality index near the machine.

USS: Ultrasonic sensor data, indicating proximity measurements.

CS: Current sensor readings indicate the machine's electrical current usage.

VOC: Volatile organic compounds level detected near the machine.

RP: The machine parts' rotational position or RPM (revolutions per minute).

IP: Input pressure to the machine.

Temperature: The operating temperature of the machine.

Fail: Binary indicator of machine failure (1 for failure, 0 for no failure).