Big Data — Dashboard Development for Predictive Maintenance
Interdisciplinary Project

Motivation:
At the Gear Research Centre we are developing an innovative artificial intelligence based condition monitoring system with gear damage detection. Therefore, we acquire lots of data of different type from various tests and do data analytics with the purpose of condition monitoring and predictive maintenance of gearbox components and systems as a whole.

Your task:
The goal of this IDP is to develop and implement a concept and layout for data visualization in form of a dashboard. You will analyze the data, decide how to structure it and mainly focus on the implementation of the data visualization in an interactive dashboard using Python and the Dash library.

Your profile:
- Highly interested in data science and visualization
- Interest in predictive maintenance useful
- Coding skills (e.g. Python, Dash)
- Highly motivated and responsible
- Fluent in English or German