**Capstone 2 Proposal**

**Proposal:** **Maintenance Cost Reduction Prediction Project**

**Description:** A company has a fleet of devices transmitting daily telemetry readings. They would like to create a predictive maintenance solution to proactively identify when maintenance should be performed.

This approach promises cost savings over routine or time-based preventive maintenance, because

tasks are performed only when warranted.

The goal of this project is to predict when/which devices potentially are going to fail next. Seven

predictive models have been developed as comparison and the best model is recommended after

comprehensive comparison. Data has been detailedly exploratoried and additional features are

created as essential indication to improve the performance.