Semester Project Proposal (1 pager)

# Problem Statement

Describe the problem that you plan to work on.

* This includes problem statement, setting/scope, a high-level review of the current literature, intended contributions, and the relevance to degradation modeling and prognostics
* The problem description and the expected work needs to be at a level that reflects the percentage of the course grade allocated to the project. In other words, it cannot be a problem that could be solved as a homework problem and that does not require a significant level of development.

# Data Sourcing

Describe the source and the nature of the data that you will be using for the project.

* For projects that will generate or use data for experimental validation and numerical studies, team members will need to provide information about the data and its source.
* For data generated through a model or simulator, information related to the capabilities of the simulator, design of experiments, and time-line required to generate data need to be provided.

# Plan of Work

Discuss the tasks that you plan to accomplish in an explicit manner.

* Describe what has been done previously in the existing literature
* Provide an outline and description of the proposed tasks
* Highlight your key contributions and anticipated results