COMM424DA Project Proposal: Structural health monitoring of Offshore Wind Turbines using Functional Accelerometer Data

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Abstract

A brief summary of the research proposal, including the research question, objectives, methodology, and significance.

1 Introduction

1.1 Background

Context and background information on the topic.

1.2 Problem Statement

Clearly state the problem or research question you intend to address.

1.3 Objectives

Outline the main objectives of the project.

1.4 Significance

Explain the importance and potential impact of the research.

2 Literature Review

Review of relevant literature, identifying gaps and key theories/models.

3 Research Questions or Hypotheses

Clearly state the research questions or hypotheses.

4 Methodology

4.1 Research Design

Describe the overall research design.

4.2 Data Collection

Explain the methods for data collection.

4.3 Data Analysis

Outline the techniques for data analysis.

4.4 Materials and Tools

Specify any materials, equipment, or tools required.

4.5 Timeline

Provide a timeline or schedule for the project.

5 Expected Results

Discuss the anticipated outcomes of the research.

6 Ethical Considerations

Address any ethical issues and how they will be handled.

7 Budget (if applicable)

Provide an estimated budget for the project.

8 References

List all the references and sources cited in the proposal.

9 Appendices (if applicable)

Include any additional material that supports your proposal.