**WOA7015 ADVANCED MACHINE LEARNING**

Alternative Assessment

Academic Session 2022/2023: Semester 1

Jan 2023

**Project Proposal**

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| --- | --- | --- |
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# Introduction

The project aim is to correlate and predict the heart rate from the respiratory signal. The datasets are obtained from the website, <https://physionet.org/content/picsdb/1.0.0/>, where there are 10 sets of data consist of both the respiratory and ECG signal for 10 different pre-term infants.

# How to obtain the heart rate (target variable) from the dataset?

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# How to handle the data (pre-processing)?

# What algorithm is used or built (model architecture)?

# Why can the stated algorithm solve the problem?

# What are the baseline models or benchmarks?

# What are the performance metrics used?