

# Natural Language Processing

## AIGC 5501

### Assignment 06

#### **Lab 5** (Python Notebook Submission)

Understand the use cases and code them in your way in the Jupyter Notebook using Python and your preferred libraries.

#### **Exercise 1:** Training LSTM Model in PyTorch for Sentiment Analysis

<https://www.datacamp.com/tutorial/nlp-with-pytorch-a-comprehensive-guide>

#### **Exercise 2:** Text generation via RNN and LSTMs (PyTorch)

<https://www.kaggle.com/code/purvasingh/text-generation-via-rnn-and-lstms-pytorch>

#### **Deliverables:**

Submit 2 separate Python notebooks for exercises 1 & 2

- a) all notebook cells need to be executed without error
- b) add comments/explanations to your code patches