

Graduate Certificate in Artificial Intelligence with Machine Learning  
AIGC 5504 – Emerging Technologies in Artificial Intelligence

## Lab 7: Exploring Audio Generation Using No-Code Tools

### Submission guidelines:

- For this lab, you will need to submit 1 PDF file.
  - Convert your codes to PDF.
  - Name the PDF as follows: firstname\_lastname\_LAB 7.pdf
  - Go to the course Blackboard → Labs folder → Lab Exercises 7 and submit the pdf.
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### Lab goals:

- Use a no-code tool to generate audio with Generative AI.
- Explore and customize parameters for audio generation.
- Reflect on the potential applications and ethical considerations of AI-generated audio.

### Part 1: Setting Up the No-Code Tool

#### 1. Choose a Tool:

- Use a no-code audio generation platform such as Murf
- Create a free account if required.

#### 2. Explore Features:

- Review the tool's options for voice selection, style, pitch, speed, and language.
- Identify any pre-built templates or prompts that can assist in generating audio.

### Part 2: Generating Audio Content

#### 1. Create an Audio Clip:

- Choose a text-to-speech or audio generation option in the tool.
- Input a short script (e.g., "Welcome to the Future of AI Audio Generation!").
- Select voice characteristics (e.g., child/adult, formal/informal tone).

#### 2. Customize Audio Settings:

- Experiment with parameters like speed, pitch, and background sound effects.

- Listen to different options and finalize your preferred version.

### **3. Export and Save:**

- Download the generated audio file in a format like MP3 or WAV.
- Save it with an appropriate name (e.g., Audio\_Lab7.mp3).

## **Part 3: Exploring Advanced Features**

### **1. Multi-Language Support:**

- If the tool supports multiple languages, generate an additional clip in a non-English language.
- Compare the pronunciation and style across languages.

### **2. Background Music or Effects:**

- Add optional background music or sound effects to enhance the audio clip.
- Reflect on how these additions improve the overall experience.

## **Part 4: Reflection Questions**

Answer the following questions in your PDF submission:

1. What features of the no-code tool were the most helpful for generating audio?
2. How does customization (e.g., voice tone, speed) affect the perception of the audio?
3. What are three potential applications of AI-generated audio in real-world scenarios?
4. What ethical concerns should be considered when using AI for audio generation?

Enjoy!

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