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

Lab 8: 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 8.pdf
- Go to the course Blackboard → Labs folder → Lab Exercises 8 and submit the pdf.

Lab goals:

- Use ChatGPT via a no-code platform to automate a business process.
- Apply prompt engineering techniques to achieve optimal results.
- Reflect on the use of Generative AI in practical applications.

Part 1: Setting Up the No-Code Tool

1. **Choose a Tool:**
   o Use a no-code platform like ChatGPT.
   o Create an account if required.
2. **Explore Features:**
   o Review the platform's features for text generation and automation workflows.
   o Ensure it supports structured outputs, such as email templates or summaries.

Part 2: Automating the Appointment Scheduling Process

1. **Define the Task:**
   o Automate email responses for customer appointment scheduling based on their preferred date and time.
2. **Design the Prompt.**
3. **Generate Responses:**
   - Input customer inquiries (e.g., "Can I schedule an appointment with Dr. Smith on December 15th at 3 PM?").
   - View and save the generated responses, including alternative suggestions if the requested slot is unavailable.
- **Customize Outputs:**
   - Experiment with tone, format, and structure by tweaking the prompt.

Part 3: Exploring Advanced Features
1. **Handle Complex Scenarios:**
    - o Test managing double-booking, rescheduling requests, or providing instructions for virtual appointments.
2. **Optimize Prompt Engineering:**
    - o Include role-playing, clear instructions, and examples to refine output quality.

Part 4: Reflection Questions
Answer the following questions in your PDF submission:
1. How did prompt engineering influence the quality of responses?
2. What challenges did you encounter while setting up the automation?
3. List three potential applications of ChatGPT in appointment scheduling.
4. What ethical considerations should be taken into account when automating appointment management?

Enjoy!