**Lab Assignment #5 –Emerging Technologies, sustainability and responsibility as global citizens**

Due Date: Sunday midnight, Week 14.

Purpose: The purpose of this assignment is to:

1. Study the work/response of Software makers to sustainability and responsibility as global citizens.

References: <https://www.microsoft.com/en-us/corporate-responsibility/sustainability>

<https://www.microsoft.com/en-us/ai/ai-for-earth>, <https://aws.amazon.com/about-aws/sustainability/>, <https://sustainability.google/>

https://platform.openai.com/docs/introduction

<https://platform.openai.com/docs/api-reference/chat/object>

Be sure to read the following general instructions carefully:

- This assignment may be completed in **groups of 5 students**. You could use the same group as in group project.

- Submit your findings using the assignment link on eCentennial shell. You file name should be named “YourFullNameLab5”.

- List the names of all team members

**Exercise 1**

In this assignment you will **study and discuss** the impact of software emerging technologies to the environment and various sustainable solutions provided by top Software makers/providers (Microsoft, Amazon, Google, etc.) You may use more references than listed here. Submit a short report (2-3 pages). Use **BERT** (as in Week12Part1 lecture example) or **OpenAI API**  **to generate your answers/summary for at least one of the articles**. Provide the JavaScript code.

(10 marks)

Group Members:

1 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4 – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5 – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use the spaces below for both summaries:

**I. Impact of Emerging Technologies to the environment**

Provide one page summary of the most recent articles here.

**2. Sustainable solutions provided by top Software makers**

Provide one page summary (generated by a BERT summarizer) of the most recent articles here:

**Evaluation:**

|  |  |
| --- | --- |
| **Summary of articles on sustainability and environmental impact** |  |
| **Quality of summary** | 25% |
| **Relevance of articles** | 25% |
| **Use of summarizer** | 25% |
| **UI for running the summarizer and displaying results** | 25% |
|  |  |
| **Total** | **100%** |