CET139 – Emerging Technologies Workshop 1

In the following workshop, you will be provided with a series of tasks based on the concepts you have covered in the lecture. Employ your knowledge and skills to identify the problem and solve that. Many of the components listed here will be within the lecture slides. However, in some instances, you may have to perform your research and investigation to find the answer.

You are expected to work **individually** to finish the following tasks. Though no submission is required, you are advised to keep a copy of your work.

Task 1:

Given the 10 emerging technologies found by your group in the seminar, select an emerging technology to explore its

a. Development history

b. Current research and application, and

c. Where this emerging technology probably go in future.

You also need to consider what impacts (e.g., advantages and/or disadvantages) of this technology could bring. You need to summarize this into a report of at most 2 pages and upload it to your ePortfolio (https://eportfolio.sunderland.ac.uk/). Your report should include:

1. Title, student names and email address

3. A brief introduction to this emerging technology

4. Its development history

5. Current research and applications

6. The future trend of this technology

7. Impacts of this technology on society, industry, or our daily lives

Task 2:

A patient who is based in London seeks a consultation with a doctor located in Sunderland. Additionally, the patient intends to make an online payment to a pharmacy for prescribed medication and desires swift delivery. Unfortunately, all delivery services are currently unavailable. You are asked to design a plan, incorporating emerging technologies in Computer Science, to help this patient to:

1. See his doctor on time

2. Pay his medicine in a secure way

3. Receive his medicine as soon as possible

Explain your idea using a flowchart and a detailed description of your plan. Submit your work to ePortfolio.