

CSE 474 Homework 3

Due December 24th, Sunday, 23:59

Please answer the following questions. Provide references. Do not just copy and paste.

We know that Internet grows enormously and mobile data usage increases exponentially every year. With the emergence of Internet of Things (IoT), physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators are going to connect and exchange data with each other. 5G will allow a higher density of mobile broadband users, and support device-to-device, more reliable, and massive machine communications. In this homework, you are asked to investigate various resources and try to answer the following questions **in your own words**. For each question please **provide a bulleted list**. Provide any **reference** that you use.

1. HEALTH AND SAFETY ISSUES

- a. What are the potential health and safety risks of emerging new Internet technologies that are briefly described above?
- b. Can these emerging technologies be used in healthcare and safety applications? What are the possible applications?

2. ENVIRONMENTAL EFFECTS

- a. Investigate the environmental effects of the emerging new Internet technologies.
- b. What is green networking? Provide several methods for greening the Internet.

Please submit your homeworks via email to cse474submit@gmail.com.