**Assignment 1 – Introduction to Embedded Design**

Due: Due Before the start of FRIDAY’s class (January 13, 2020)

Honor Code: \_\_\_\_\_\_\_\_I have neither given or received, nor have I tolerated others’\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_use of unauthorized aid.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: \_\_\_\_Joe Leveille\_\_\_\_\_\_ Signature: \_\_\_\_\_Joseph Leveille\_\_\_\_\_

1. Read the following online discussion:

<https://www.embeddedrelated.com/thread/4325/embedded-engineers-most-important-and-useful-skills>

Identify two prevailing themes from this online discussion. State them below and discuss how they apply to you in two brief paragraphs.

Organization – This currently applies to me in a scholastic way, in that I must keep my time and assignments organized to handle multiple classes that deal with different subjects and deadlines. In my future career, I will need to stay organized to ensure efficient and full completion of projects at work, as well as handling personal finances and projects without getting overwhelmed.

Adaptability – As a student, I must be adaptable to different teaching styles, class schedules and course content in every semester. Without being able to change my routine and being able to learn quickly, my grades and stress levels could easily suffer. In a broader perspective, being a college student is all about adaptability because studying a field is all about giving the student a decent understanding of many areas within their major in order to give them an opportunity to adapt to many different types of jobs.

1. Read the following online article:

<https://www.linkedin.com/pulse/embedded-engineers-10-skills-you-need-now-heather-jaapson>

1. Of the 10 skills listed, pick the one that you think is the most important and write a brief paragraph discussing why that skill is important for an embedded engineer.

Number 5 on the list seems to be the most important – diversifying your skillset and learning about multiple layers of embedded systems. I think this is the most useful because learning multiple layers of a project will help an embedded systems engineer understand a larger part of the project, make them more employable in positions similar to their current one and open up different career options later on. Knowledge of the technology outside of your explicit job description will prove to co-workers and managers that an engineer is willing to learn new content and wants to fully understand the full impact of his work.

1. Of the 10 skills listed, pick the one that you think is the least important and write a brief paragraph discussing why you think that skill is the least important (of these 10) for embedded engineers.

Skill number 2 is likely the least important skill to embedded engineering because it is a basic skill that is necessary for most any technical job in modern times. Using a search engine effectively is essential to so many people, so it should go without saying that it is a useful skill because it is just necessary whether embedded engineering is involved or not.