

Name:

Wednesday, August 21, 2019

EE 221 – Introduction to Electrical Engineering

Due – 30th August 2019 (beginning of the class) – **Worth 5% of total grades**

Problem 1: Innovation is the number one driver of US economy. Computer, internet, smart phones, smart watches, self-driving cars, Amazon Alexa, Google home, military technologies such as Drones, are some of the examples of innovation and many of these innovative technologies are utilized by the millions of citizens all around the world.

In this spirit, if all the funds and resources are available to you to do the innovation, what would you innovate related to your discipline?

To shape up your writing for the innovation topic, please try to incorporate the best answers based on your ability to following questions in your write up:

What is the strong rationale for the topic of innovation?

What are the two goals that will help the innovation a reality?

What are the two objectives of each goal?

Find and discuss at least one technique or algorithm without that your innovation can not be possible.

Please submit your paper in PDF format in ECampus -> Homework Assignment 1 link. Use single spacing, 10 pts Times New Roman font with 1 inch page margin all sides format. Page limit -1 page. Write the title of the innovation in the header space of the page. Use page 2 for graphs, tables and references. This document will be shared with all EE 221 students so please write your name on the document if you would like to share with students otherwise do not write your name.

For research use following website from WVU computers:

<http://ieeexplore.ieee.org>

<https://scholar.google.com/>

<https://www.engineeringvillage.com/search/quick.url>