

Mr Regier's TEJ2O Final independent work: (2 parts)

The world of digital electronics, including hardware and software have changed our lives in dramatic ways in the last 50 years and will continue to change.

You are responsible to research one aspect at of this remarkable change and make a web page on it.

You are to make a website as part of your assignment and work off the web site as you present.

WIX has worked well in the past but you are free to use whatever you want.

<http://www.wix.com>

You will be marked on presentation style as well as your use of the 6 by 7 rule and the general appeal of your website. Be sure to include pictures.

Minimum 10 pages not including Title page and references.

You can include a video but it can not be longer than 3 minutes.

Examples of project ideas include:

AR vs VR. Hardware requirements, different brands, sales growth and potential future.

Digital Media in the movies. 5.1 Surround, 8K cameras, different projection standards (IMAX etc) in the movie theaters, D-Box, 4D. Future?

Driverless cars, what companies are contributing, How much money are they investing. Concerns and achievements. Be specific on all aspects.

How has the job market been impacted by the massive move to digital, what jobs are in demand what jobs have been lost. How have regular jobs been changed.

It is projected that by 2021 four companies will be worth 1 trillion dollars. What companies are they, where specifically do they make their money. What is their product. What does the future hold for these companies.

70% of overall grade for ISP

20% for appearance and ease of use of web page

20% for presentation

60% for material

Part 2:

You are to wire up a lab of similar complexity from our digital electronics wiring this semester. You can use a 555 timer, LED (on the demonstrator if you wish) and LEDs. Search the internet for ideas and look in the cabinet for the chips. Show me the wiring diagram first. Marks will be rewarded for working circuit and creativity.

30% of overall grade for ISP.

75% Wiring methods and working circuit

25% creative circuit and working diagram.