ECPI University Rafat Khandaker

CIS228 09/02/18

**Unit 1 Graded Exercise 2: Time-Line**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Personal**  Virtual reality glasses  Virtual reality or augmented phones | **Business Software**  Integrated Cloud applications with single user client application.  Advanced chrome engine with store  AI Assistant software | **Hardware**  Tech glasses  Unbreakable devices, using carbon-fiber. Or thinning of devices. | **Mobile**  Satellite communication integration on mobile network.  Hand-wrist phones/ watch integration | **Network**  Fiber-optic protocols & maximum potential  Migration from electrical pulses to light pulses | **Data Storage**  We already see centralized data-centers & Cloud technology. This technology may one day, be migrated into the ocean & used for all technology connected to the internet & even processed with an centralized AI unit.  We may see data compression & encryption on software – storage side & using workflows with security to unlock certain data. |
| Because virtual reality headsets are already in production. It is not too for off to say that this technology will be made more efficient & portable. So, I predict Virtual-reality glasses will be the next step for this technology. Also, it is not too far off to say that these technologies can be used to virtualize our everyday hardware. We may see that our phones and computers, being replaced by virtual technologies. | We may see that all useful applications will be fully migrated & implemented on the cloud. Also, these applications will be accessible through a integrated single user application with a store-manager. Similar to chrome as a browser, usable on web sites. We may see a client style application, that is fully integrated with all features to switch between different applications on the cloud.  AI Assistance: We may see Siri or Cortana or Alexa; AI applications, being used in business for active monitoring of user’s personality setting and assistance in the workplace. This software may also temporarily aide in monotonous workload. | We may see advanced wearables like glasses being implemented with VR Technology.  We may see better and more durable hardware, like unbreakable carbon fiber. We may also see flat screens that are flexible like a carpet | We may see an improvement of communication service, using satellite service rather than towers.  We may see slow migration of phone to watch integration for ease of usage. As technology gets smaller, we will be able to put more functionality in watch phones. | We may potentially see a rise of fiber optic protocols & change in communication protocols between networks. Fiber optics is an incredible technology that has not reached its maximum potential.  We may see electric pulses in circuits being converted to light pulses instead. This may potentially be more energy efficient & the amount of information process in smaller circuits will increase exponentially. This may open up a world of possibilities. | I say this because our next evolution, once developing a wide variety of technologies; should be steady usage, creating efficiency & intelligent implementation. We may see larger centralized data centers being integrated with AI units. We may also see encryption and compression technology on existing data to allow more efficient storage capabilities. |

**Cost effective solutions:**

I believe that Integration of technology & ease of usability will always be cost-effective solutions. If we can provide a single application in place of many, this will reduce time & increase efficiency. If we can provide AI solutions to learn and take over some key user functions, then this technology can assist when the user is away. This will also help companies grow towards understanding automation. If we can create hardware that is durable and ever-lasting, then the initial cost is small comparable to its length in durability. If we can increase the potential of our service by implementing the best quality, then there will always be room for upgrading technology for further advancements. Last, if we can centralize our data & information; if we are able to use smarter compression algorithms and integrate self-learning solutions, we would definitely reduce entire cost in the long run for maintenance & support. This will drastically increase efficiency in any work environment with less down-time.

**References:**

Timeline of Computers. (2018). Computer History Museum. Retrieved from: <http://www.computerhistory.org/timeline/>

History of Internet Documentary. (2017, July 21 ). Education Channel. Retrieved from:

<https://www.youtube.com/watch?v=dzqr7XQjbKY>