

## **TASK LATE (Reflection Paper)**

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### **Article 1: White Paper Green ICT (The Greening of Business)**

[http://www.ictliteracy.info/rf.pdf/T-SystemsWhitePaper\\_Green-ICT.pdf](http://www.ictliteracy.info/rf.pdf/T-SystemsWhitePaper_Green-ICT.pdf)

My learning points:

This paper concentrated on the importance of using green IT in our life and correct usage of it. In both business and individuals' personal lives, IT is playing a progressively more significant role. It is also consuming ever greater amounts of energy and is therefore the source of significant CO<sup>2</sup> emissions which is about 600 million metric tons a year. However, Green IT can help control this alarming trend. "Green IT" is the important issue for manufacturers and providers to call all IT solutions that save energy at business organizations. The smart solutions are available that contribute to sustainability. And with the increasing meeting of IT and telecommunications, it possible to take the Green concept a step further. Green ICT extends to other and has aspects to entire life cycle. This includes eco-friendly procurement, employee behavior, running data centers on sustainably generated energy, environmentally sound disposal of used electrical equipment etc.

### **Article 2: Green ICT Readiness Model for Developing Economies: Case of Kenya**

<http://thesai.org/Publications/ViewPaper?Volume=4&Issue=1&Code=IJACSA&SerialNo=8>

My learning points:

This article gave an implication of proposed Green ICT solution in Kenya. The continuous increasing of cost in business and the harming environment are the important topic now-a-days. To implement this, it is vital to establish the level of green ICT readiness of organizations to

inform where and how to start and highlight the emphasized issues. The Molla's G-readiness model is also discussed here. The model assumes the basic level of G-readiness to be same for both developed and developing economies to be the same with regard to ICT personnel awareness. The relationship between ICT personnel's gender, age and training with the G-readiness variables Based on green ICT readiness in Kenya was investigated.

**Video:** Green Industry Innovation Estonia: Geir Jacobsen - Green ICT in Norway

<https://www.youtube.com/watch?v=IM421kMm2E>

My learning points:

The video is from the event happened in Estonia regarding the green industry innovation in Estonia. The discussion was done by Mr. Geir Jacobsen and the topic was basically about the Green ICT in Norway. The Energy Management Systems, Transport & Logistics, Production & Trade and E-health were discussed there elaborately.

## **Chandara Chea**

### **Article 1: Implementation of Green ICT for Sustainable Economic Development**

[http://www2.it.lut.fi/wiki/lib/exe/fetch.php/courses/ct60a7000/spring2016/green/greening/implementation\\_of\\_greenit.pdf](http://www2.it.lut.fi/wiki/lib/exe/fetch.php/courses/ct60a7000/spring2016/green/greening/implementation_of_greenit.pdf)

My learning points:

This article commences with the concept of sustainable economy, which is a structure for restoring economic growth as well as concerning the climate change and other issues related to the environmental sustainability. The way to get a green and sustainable economy and the revolution of business models and its nature by ICT are also discussed. The reductions of risk about the disaster and to cope up with the climate change by using the tools of ICT in different sectors are illustrated here for a green and sustainable future.

## **Article 2: Gaming for Citizen Science**

[http://www2.it.lut.fi/wiki/lib/exe/fetch.php/courses/ct60a7000/spring2016/green/greening/gamingforcitizenscience\\_ver6.pdf](http://www2.it.lut.fi/wiki/lib/exe/fetch.php/courses/ct60a7000/spring2016/green/greening/gamingforcitizenscience_ver6.pdf)

My learning points:

The article is about the Citizen Science and it is a term used to explain research collaborations where members of the public are recruited to assist with scientific investigations. Citizen science helps scientist to deal with the environmental problems and also raise consciousness of citizen themselves. It is very important to encourage us to change our behavior and thought. The concept of Gamification used in web application to involved with the mass people has been discussed here as well.

## **Video: Songdo, the Future City: MEGAPROJECTS**

<https://www.youtube.com/watch?v=szktRPHI1U8&list=PLUtJo8NBFdjSgb2Bspz TGxsZn4berDU1>

My learning points:

The video is about the building world's smartest and greenest city by the master planned project in South Korea cooperating with companies like Samsung, Cisco. Sungdo is the entirely new smart city from scratch in South Korea. The majority of funding earned from green technology

and it is the second city in the world to have all of its major buildings on a par or below the levels set by the green energy certification, Leadership in Energy and Environmental Design.

## **Roberta De Crescenzo**

### **Article1:**

**<http://ieeexplore.ieee.org.ezproxy.cc.lut.fi/stamp/stamp.jsp?tp=&arnumber=7380566>**

My learning points:

The article is about the green computing. The green computing is ecologically sustainable computing and Green Computing works for saving the environment of computers, servers and associated devices such as a monitor, printers and networking and communications systems. The objective of a green computing is saving the environment. There is a example mentioned about the green computing usage of State Bank of India who works for saving the environment with the help of the green channel. It can be said that, Green computing methodologies can help us to build a protected place for us to live in.

### **Article 2:**

**[https://www.researchgate.net/profile/Nabil\\_Sultan3/publication/262388962\\_Cloud\\_computing\\_for\\_education\\_a\\_new\\_dawn\\_Int\\_J\\_Inf\\_Manag/links/544e3de70cf26dda088e9bf2.pdf](https://www.researchgate.net/profile/Nabil_Sultan3/publication/262388962_Cloud_computing_for_education_a_new_dawn_Int_J_Inf_Manag/links/544e3de70cf26dda088e9bf2.pdf)**

My learning points:

This article is about the Cloud computing for education. Educational institutions continue to look for opportunities to rationalize the way they deal with their resources. The economic crisis that eventually affects global financial system which also affect educational establishments that are likely to discover that governments will have less money than before to invest in them. It is argued in this article that cloud computing is likely to be one of those opportunities sought by the cash-strapped educational establishments in these difficult times and could prove to be of huge

benefit to them. Cloud computing is an emerging new computing model for delivering computing services.

### **Article 3:**

**<http://thefutureofthings.com/3083-green-computing/>**

My learning points:

This article is also about the Green computing and green computing is the study and practice of using efficiently and eco-friendly the computing resources. This now not the issue of environment but also the organizations. companies in the computer industry have come to realize that going green is in their best interest, both in terms of public relations and and reduced costs.

**Sheraz Ahmad**

### **Article 1:**

**<http://www.smallbusinesscomputing.com/testdrive/article.php/3855806/What-Is-Green-IT-and-Why-Should-You-Care.htm>**

My learning points:

Green IT is the related fact of life cycle of computers and computer related products that is from manufacturing to disposal that should not harm our environment. Manufacturing computers and related products should be made of natural resources, all its life cycle the renewable energy usage is also important. The information found here provides all the relevant information regarding Green IT and sustainability. It describes Green IT, Its importance and needs for environment. There are very useful tips regarding how to be environmental friendly in using computers in daily life.

### **Article 2:**

**<http://users.jyu.fi/~mieijala/Tietohallinnon%20johtaminen/Green%20IT/Environmental%20responsibility%20and%20green%20IT-%20An%20institutional%20perspe.pdf>**

My learning points:

The article can be guessed by its heading as 'Environmental responsibility and green IT: An institutional perspective' which highlights some importance of Green IT from two perspectives. The first is from business point of view to reduce the overall cost and 2<sup>nd</sup> is the environmental point of view to save our environment to show environmental responsibility. It described about the importance shown by the business managers about Green IT. It shows also the increasingly attraction of Green IT in their business.

**Video: [https://www.youtube.com/watch?v=k1I\\_zFDeUso](https://www.youtube.com/watch?v=k1I_zFDeUso)**

My learning points:

The main thing of this video is that it shows three real examples of sustainable businesses which provides green IT solutions. The companies are imminent systems exchange to renovate IT equipment, Internap, and Isidore (electronic recycling).