

UBIQUITOUS COMPUTING ASSIGNMENT

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Topic : Research on CES 2017-Top 10 cool Technologies
Assignment No : Week 1

1.LiFi

Company: PureLiFi.

Note: Professor Harald Haas, from the University of Edinburgh in the UK, is widely recognized as the original founder of Li-Fi

Demo for LiFi:

<https://www.youtube.com/watch?v=FbDohcbuhu0>

Article About LiFi : <http://thenextweb.com/insider/2014/08/21/purelifi-li-fi-vlc-led/>

The speed of the internet is 100 times faster than WiFi. It works with light instead of routers and that gives high density coverage but within limited range. This could be the fastest internet for confined region. I got interest on this product because when it comes to internet, speed matters the most.

2. Smart Homes

Company: Many company provides software support like Microsoft and some companies like apple gives both hardwares and softwares for Smart Homes.

Demo Video Link –

<https://www.youtube.com/watch?v=B2U5SnMbyCw>

Microsoft's HomeOS:

<https://www.microsoft.com/en-us/research/project/homeos-enabling-smarter-homes-for-everyone/>

I had an app in my smart phone called HOME. But unfortunately, I don't have the requirements to use that app. This made me much curious to know what that app can do. But after doing some research on it, I came to know that IoT and smart homes technologies are behind that app. Internet of things is best used when it comes to Smart Homes. The Apple has launched many products such as alarms and sensors, Heating and cooling, Lighting and switches and they have also given the HOME app at iOS 10 which can easily control all the devices.

This technology, with no doubt, makes us lazy but you can sit at a place and manage the home with a PDA. This gives real great experience for managing the house.

3. Home Smart Fertility Tracker



Company: easy@home products

Link to buy the product:

<https://healthcare-manager.com/products/easy-home-smart-fertility-tracker-bluetooth?variant=32010520198>

The most advanced Bluetooth enabled basal thermometer. It intelligently tracks and measures your monthly cycle. It helps and finds whether you are trying to conceive, avoid pregnancy naturally, monitor the early stages of pregnancy, or just get to know your body better, the Smart Fertility Tracker does it all with ease. Every woman can use this to make sense of her cycle easily.

Approx Cost: 50\$

4. Smart Helmet



Company: Babaali

Video Demo: <https://www.youtube.com/watch?v=XJwJBqREFoQ>

Wireless turn signal technology brings more road safety. These turn signal LED indicators will be controlled through wireless remote that brings easy accessibility. This would surely reduce the rate of road accidents and ensures the safety of the people.

Approx Cost: 130\$.

5. Amazon GO:

Company: Amazon

Video Demo: <https://www.youtube.com/watch?v=NrmMk1Myrxc>

Official site: <https://www.amazon.com/b?node=16008589011>

No Lines and No Checkouts makes it the best shopping experience one could ever get.

6. Blincam Camera



Company: Blincam

Official site:

<https://www.blincam.co>

It distinguishes the difference between normal blink and heavy blink and captures the moment that we see through. Hands-free capturing of picture makes it more comfortable rather than taking out the phone from the pocket every time for taking some picture which needs only some definition rather than quality. For Example: If someone wants to take a picture of the note the professor have written in the board, then instead of taking the mobile phone and launching the camera app and all other tasks, simply a wink will do the needful.

7: TrackR – Tracker that keeps the valuables safe



Company: TrackR – A Startup

Video Demo: <https://www.youtube.com/watch?v=0Ep8XHtsq8A>

Official Site:

<https://www.thetrackr.com>

As we go lazy going behind technologies, our mind also getting lazy and our memory powers sometime make us really frustrated when we misplace our valuables.

So, this device could help better for finding the things(keyholder, earphones, or some of important book, folder) that we misplace frequently.

8. Keyless Bluetooth Travel Padlock



Company: Dog and Bone

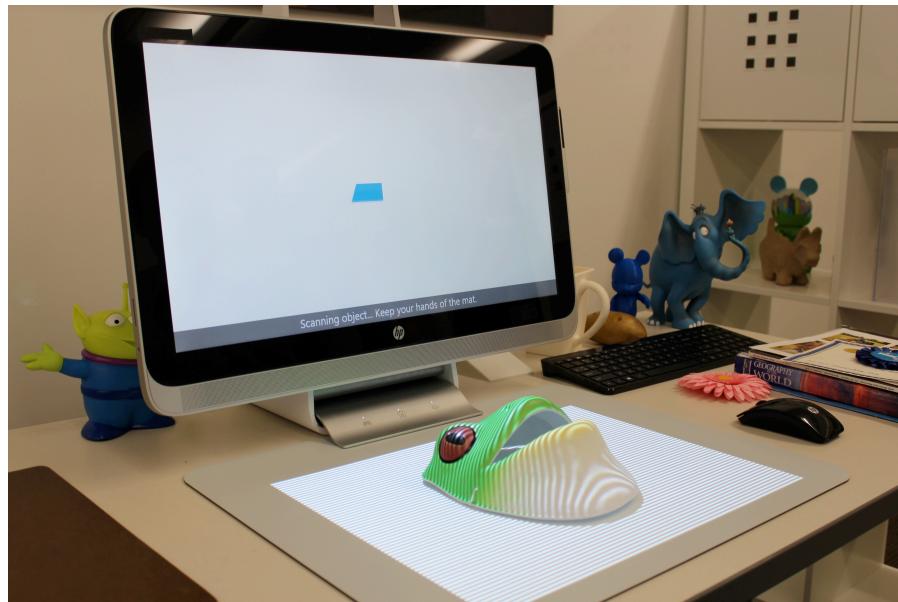
Official site: <http://www.dogandbonecases.com/>

A new keyless, trackable travel security is here. A new keyless Bluetooth travel lock with more features, more conveniences and more security.

Note: Bio-Key International also has a FingerPrint Biometric Pad Lock which is a similar kind of cool padlock.

Link: <http://www.bio-key.com/>

9. HP Sprout Pro G2 PC with integrated 3D scanner



Company: HP

Article about HP Sprout: <http://www.ubergizmo.com/2017/01/hp-sprout-pro-g2-pc-with-3d-scanner/>

Official Site:

<http://www8.hp.com/us/en/sprout/home.html>

This is one of the computers that ride the Human-Computer interaction to the next level. Apple gave a touch pad to the new MacBook PRO which gives similar kind of interactive experience but not up to the level of HP Sprout. These computers might be the next generation PC.

10. Kuri



Company: Kuri

Official site:

<https://www.heykuri.com>

Kuri can follow you around according to the voice command and it patrols the home and takes pictures if we want one. It monitors kids, also if pets are on the couch it will inform us through our PDA and we can even yell on the pet using the voice note. Almost a kind of robot patrolling the home and taking care of all the stuffs. It always makes connection in our homes.

Market Price of Kuri: 699\$