7 TECH TRENDS TO CATCH
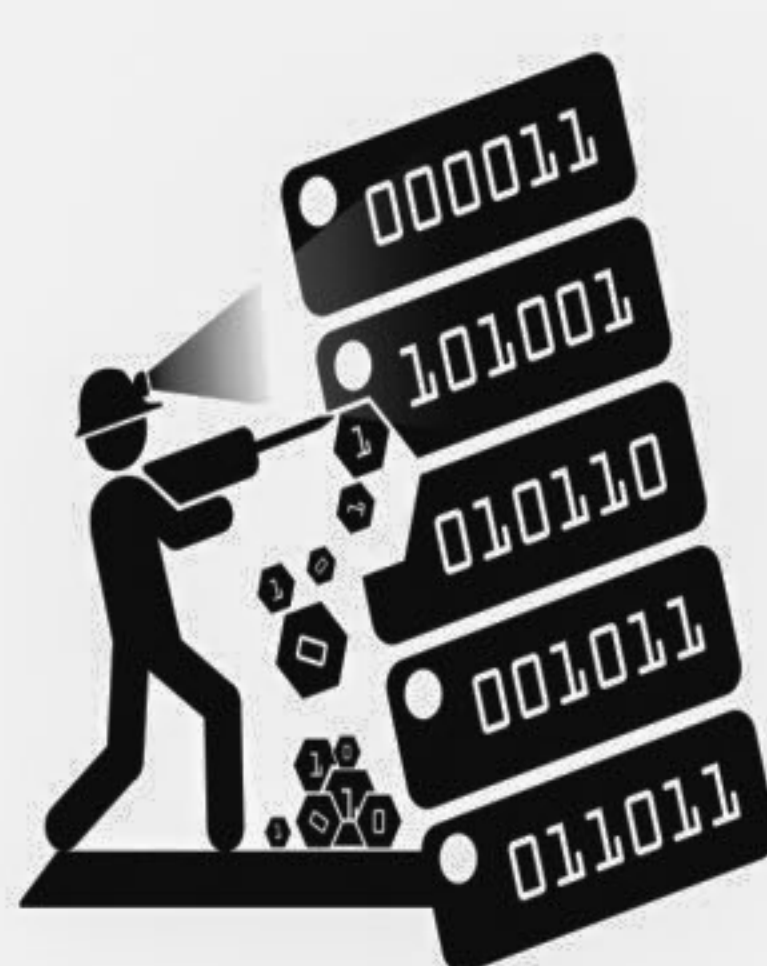## ON TWENTY15

The Internet of THINGS
CONNECT THE WORLD

THE INTERNET OF THINGS

The Internet of Things or IoT was probably the most hyped phrase in the last quarter of 2014. The term, first coined in 1999 by Kevin Ashton, depicts a truly connected world where all the electronic appliances stay connected through internet. We believe from the beginning of next year this trend will start to grow significantly, as consumers, businesses, and governments are recognizing the benefits of connecting inert devices to the internet.

RISK-BASED SECURITY AND SELF-PROTECTION

By now almost everyone has understood that absolute security is nothing but a farfetched dream. Though absolute security might not be feasible, but advanced risk/threat assessment and mitigation of threat will come into play in 2015. It is expected that security will move away from outer-limit defense to agile preventive approaches. In 2015 we are going to see security-sensitive application design, dynamic and static application security testing, and runtime application self-protection.
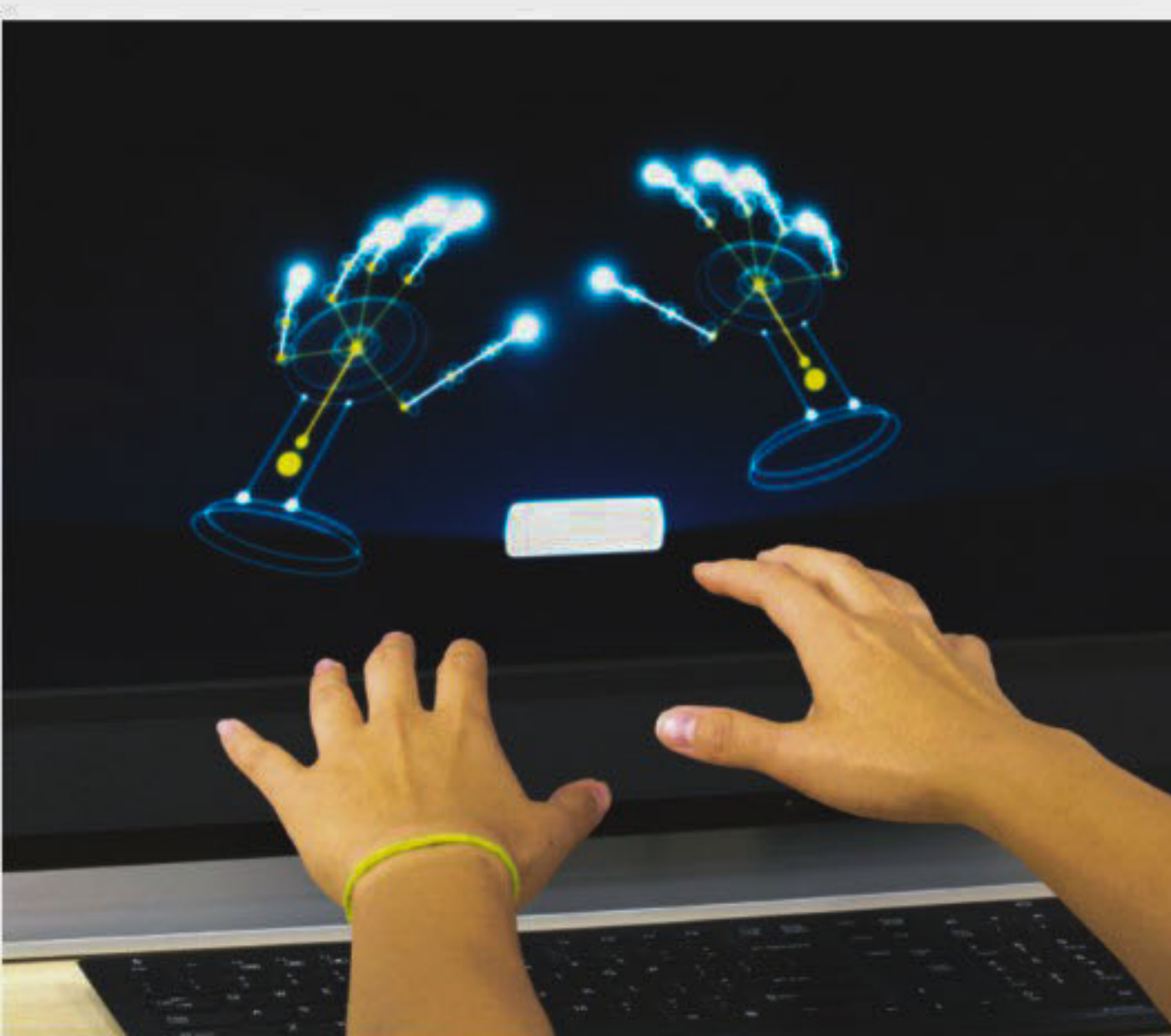
PREDICTIVE ANALYTICS

Predictive analytics, a complex form of data mining, will be taking over finance, insurance, telecommunications, retail, travel, healthcare, pharmaceuticals sectors this year. Through predictive models and exploiting the patterns found in historical and transactional data this method actually identifies risks and opportunities.

AGE OF HIGH TECH PROSTHETICS

Yes, 2015 might be the year when 6 million dollar man becomes a reality. Why? Because we have the technology! In the last couple of years, thanks to the leaps of advancement in biomedical engineering, amputees are getting electro-mechanical prosthetic limbs. But this year probably its going gear it up a notch by commercially bringing high tech mind controlled prosthetic limbs.

AUGMENTED REALITY & GESTURE BASED COMPUTING

Augmented reality and gesture based technology are already available in real world but these are yet to be incorporated in everyday electronics i.e. TVs, cell-phones, PCs. This year with all the big players buying up startups working on gesture based computing we can easily expect something breathtaking. Psyched? So are we!!

EVERLASTING BATTERIES

With so many giants working on battery technologies we in the year 2015 expect to catch the big break: insanely lasting batteries. Be it for cell-phones, cars, cameras or everyday techs- every aspect of our lives is going to be positively affected by it. Already we have got batteries that charges up super fast, so finger crossed. Maybe finally we get to run our smartphones a week straight on a single charge this year.

RISE OF MOBILE DATA TRAFFIC

Worldwide Data traffic has continued to grow steadily but this year mobile data traffic will grow exponentially. This mobile data traffic will increase, reaching 500 Peta Bytes, which is nearly 6 times more than 2012-2014.

KASPERSKY SECURITY UPDATE

Seven tips on how to make your home Wi-Fi safer

Step 1. Changing the admin password
One of the most serious mistakes often made is using the default, out-of-box, admin password (consider the frequently used "admin:admin" and "1234"). If you have not already done so, we strongly recommend resetting the password to something more sophisticated.

Step 2. Disabling remote management
Usually producers enable only LAN-based router controls by default, but this is not always the case. Make sure that you check whether your router's control interface is available over the Web.

Step 3. Disabling Broadcast SSID
As a rule, a wireless router transmits your Wi-Fi network ID (the so-called SSID) to everyone. This may be changed at will by unchecking the corresponding box in the settings. Then your network will not be so easily hacked.

Step 4. Using reliable encryption
Cybercriminals might use your home network for illicit activities and the police could end up on your doorstep! So we suggest enabling WPA2 encryption (WEP is not very reliable) and setting a stronger password for your Wi-Fi hotspot.

Step 5. UPnP et al.
Universal Plug and Play (UPnP), DLNA support (Digital Living Network Alliance) and the like, are better off disabled if not in use; you run a lower risk of being affected by vulnerabilities in software using these features.

Step 6. Updating built-in software
We suggest using the most up-to-date firmware from vendors' official websites: they frequently patch vulnerabilities and mistakes, which can open the point of entry to hackers willing to compromise your network.

Step 7. Not just the router
Absolutely 'ultimate' protection does not exist, as the years have proved. A sensible approach to router settings, using strong passwords and encryption and timely updates are the keys.

KASPERSKY lab | THINK SECURITY

TECH HAPPENING

Samsung Galaxy Core launched in Bangladesh

Samsung mobile Bangladesh begins the New Year with the introduction of a new member to the Galaxy Core series with the new Galaxy CORE Prime. The new Galaxy Core Prime has a large 4.5" display with enhanced multimedia and crispy detailed visuals. It's 5 megapixel main camera and 2 megapixel front camera allows to take high quality pictures. It runs with a 1.2GHz Quad Core processor and 1 GB RAM. This new phone comes with 8 GB of internal storage with expansion slot up to 64 GB. For connectivity it has Wi-Fi b/g/n, BT 4.0 and a 2,000 mAh battery with the Ultra Power Saving Mode providing uninterrupted talk time.
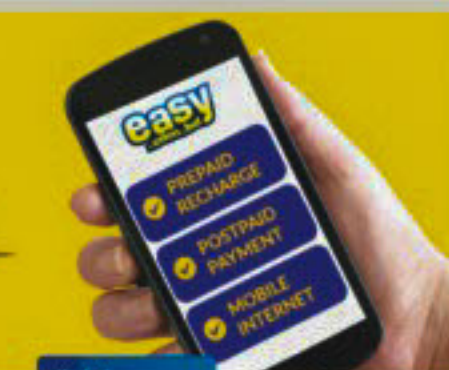
Current market price is BDT 13,900/-

Easy.com.bd & Visa card brings 5% Extra Offer

Easy.com.bd in partnership with Visa, the global leader in payments, brings to Visa credit or debit cardholders an offer under which Visa cardholders will be rewarded with an additional 5% of credit for all transactions made on www.easy.com.bd from December 20 – March 19, 2015.

Easy, Bangladesh's first online prepaid and postpaid airtime recharging/payment service for mobile and internet users brings to consumers the convenience of online payments for mobile recharges and mobile bill payment.

5% EXTRA

JUST IN

Dell Inspiron 3148, 2-in 1 Laptop
With the performance of a laptop and versatility of a tablet, Dell Inspiron 3148 2-in-1 device laptop adapts easily to your lifestyle. The laptop features 1.7 GHz 4th Generation Intel® Core-i3 processor, 11.6" touch screen, 4GB RAM, 500GB HDD, built-in graphics, wireless LAN, Bluetooth, USB ports etc.

PRICE: 55,000/-

ASUS Zenbook UX32LA with discrete graphics and premium design
ASUS Zenbook UX32LA is a high-performance ultrabook. It sports a vibrant 13.3-inch HD display, 4th generation Intel® Core™ i5 1.70 GHz, 8 GB DDR3 memory, 1TB hard drive, HD audio with SonicMaster speaker, HD webcam, wireless LAN, Bluetooth. The slim notebook also offers a wide range of ports- 3 USB 3.0, HDMI, mini Display Port.

PRICE: TK. 62,500/- PLUS 2 YEARS WARRANTY

ASUS brings Fonepad 7 FE375CG Tablet
ASUS recently announced the new ASUS Fonepad 7 FE375CG. This 7-inch tablet with dual-SIM, 3G phone functionality is powered by the latest 64-bit Intel® Atom™ Z3560 1.83GHz quad-core processor. The tablet PC has 10.5 hours of battery life when watching videos or browsing the web, or up to 20 hours of 3G talk-time, 1 GB RAM, 8 GB storage, 5-megapixel rear-facing and 2-megapixel front-facing cameras with PixelMaster technology for enhanced camera functions for high-quality images and video.

PRICE: TK. 17,500/-

TECH BITS

Google Now code hints at spoken notifications and third-party services

Brazil's enormous taxes chase Nintendo out of the country

GM to release the $30,000 Chevy Bolt electric vehicle in 2017.

Bing now recommends best-sellers for you to read

4K movies are coming to Blu-ray discs and hard drives