



The power to do more

The Daily Star
DHAKA, MONDAY, OCTOBER 27, 2014
e-mail: bytes@thedailystar.net

INFORMATION

GADGETS

TECHNOLOGY

BYTES



SUPER STAR presents

EMBRACING A BRIGHTER TOMORROW

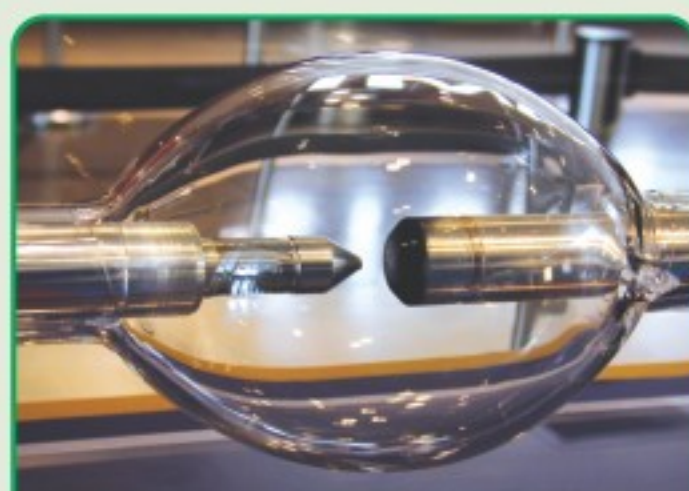


Competition for the incandescent light bulb heats up
1877

Lightning in a tube
1850



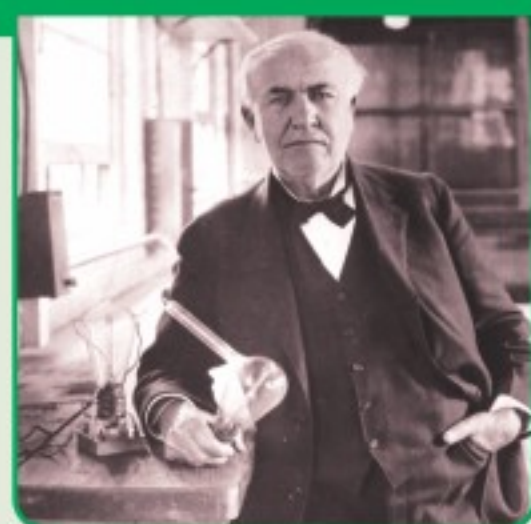
First constant electric light is demonstrated
1835



first arc lamp was created
1803

1878

Edison begins working on incandescent lights



1901

Incandescent light now comes in smaller shape



1904

Out of the carbon filament and in with the tungsten



1908

Edison screw becomes universal



Neon lights are big hit
1926



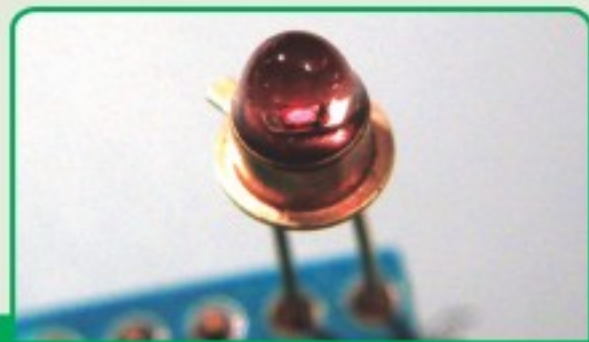
Fluorescent lamps on display
1939



Fluorescent lamps become commercial success
1940



First light emitting diode invented
1962



Bangladeshis start importing LED bulbs for consumers
2010



First Residential LED bulb hits the market
2002



First blue, then White LEDs
1994



First CFL hits the market
1985

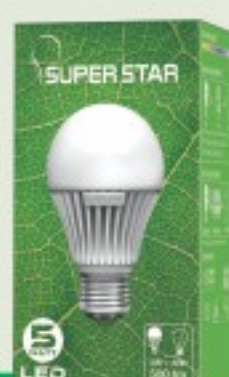


LEDs appear in Consumer Products
1978

Fluorescent bulbs go spiral
1976



Super Star Group starts marketing LED lamps in Bangladesh
2012



LED light floods the local market
2014



Did you know



Isamu Akasaki, Hiroshi Amano and Shuji Nakamura were awarded Nobel prize in Physics for the invention of efficient blue LEDs.

Blue LEDs are considered as the key to bright and energy saving white light sources.



The Light of Tomorrow LED



Future is bright

superstargroupbd.com
f /ssgbd

KASPERSKY SECURITY UPDATE

Android 5.0 data better protected with new crypto system

There's been a lot of hoopla in recent weeks over claims from Google that user content, stored in the latest iterations of the Android operating system, is encrypted in such a way that Google does not have the capacity to decrypt the locally stored information.

According to Nikolay Elenkov of Android Explorations, Android users have had the option to deploy full disk encryption (FDE) since Android 3.0, also known as Honeycomb. Android's FDE offering then remained largely unchanged until Google fortified it in Android 4.4. They will strengthen that cryptographic system yet again in Android L, but more importantly, they are also turning FDE on by default for the first time in Android 5.0.

In Android version 4.4, Google moved towards a stronger crypto-system. Despite this, it is still based on a PIN or password. So it is still possible to perform an attack and ultimately brute-force weak PINs and passwords, though in Android 4.4 it took a matter of minutes rather than seconds.

Such attacks will not work for Android L. The exact reason for that is unclear, because there is not yet any available source-code for the operating system. Elenkov's analysis led him to conclude that decryption key derivation is no



longer based purely on a user's passphrase, PIN or lock-screen password. Instead, it seems decryption in future varieties of Android will be based only in part on the user's lock-screen PIN or password.

Thus, brute-forcing a password may still be possible, but it won't decrypt encrypted disk space.



TECH HAPPENING

Firefox App Challenge begins

On 22nd October 'Firefox App Challenge' competition was inaugurated at a press release at the Bissho Shahitto Kendro. For the first time such a competition of application developers will be organized by Grameenphone, Mozilla and MCC Ltd. Present at the occasion was Grameenphone's External Communications Deputy Director Mr. Talat Kamal and MCC's Deputy Director Mr. Zaki Haider. Grameenphone, MCC Ltd. and Firefox jointly held the 'Firefox App Challenge' starting from 22nd October in Dhaka. The total allocated prize money for this competition is \$27,500 or about Tk. 22 lakhs. Mr. Kamal said, "The Firefox App Challenge Contest can bring about necessary content for the low income earners of the country."



Digital Center Entrepreneurs Conference starts this November

Digital Center Entrepreneurs Conference 2014' will be held on the 4th year of founding the nationwide digital center. The event is stated to be held on 11th November at the National Parade Ground. Prime Minister Sheikh Hasina will inaugurate this conference. A2i has stated that this is the largest such conference of the entrepreneurs of the country wide implemented digital center. All the Unions, City Council, City Information and service centers of the country have now been dubbed as 'Digital Center'.



JUST IN

Logitech brings Bluetooth adaptor for music

Logitech Bluetooth adaptor can play music via Bluetooth from any Smartphone or Tablet or Bluetooth enabled PC within 50 feet range. This Bluetooth adaptor turns the Speakers and Home Theatres into a speaker by simply connecting their adapter. Just pressing the sign of the adapter it connects devices automatically.

Price: Tk. 3,000/- with 12 Months replacement facility.



ADATA Launches UV130 USB Flash Drive

ADATA® Technology, a leading manufacturer of high-performance DRAM modules and NAND Flash application products, today launches the UV130 USB Flash Drive. Therefore, the capless UV130 features a race car spoiler-inspired design with a big strap hole for a modern look and high portability, allowing users to carry and plug it in easily.

Price: 8GB: Tk. 450/-, 16GB Tk. 650/-.



TECH BITS
Italy hopes free public WiFi will help revive its economy



Drug stores drop Apple Pay and Google Wallet to push their own payment tech



Amazon has made its Appstore for Android obsolete



Sundar Pichai takes control of Google's crucial products



Joseph Gordon-Levitt is shooting a 4K film with Samsung's NX1

