# THE AWARD WINNING INNOVATIONS OF
NATIONAL HACKATHON 2016

National Hackathon 2016, organized by ICT Division, came to an end after the announcement of the top ten teams. This year's hackathon had one simple objective: to come up with innovative solutions to tackle the ten Sustainable Development Goals (SDG). After staying glued to the computer screen and writing thousands of lines of codes for 36 hours straight, the top teams came up with the most innovative ways to solve the SDGs. In today's issue of Bytes we are showcasing the winning solution in each category:

CATEGORY: NEW BORN CHILDREN
TEAM NAME: AppSoul
TEAM MEMBERS: Syed Mohammad Salah Uddin, Md. Al Amin Tipu, A. A. M. Sharif & Takmilul Ehsan
NAME OF THE APP: Mom & Baby Care

DESCRIPTION: This nifty app is going to bring health services to people (Specially Pregnant Women, Infant) by ensuring effective use of health-workers, providing timely health tips and establishing communication between users & health workers.
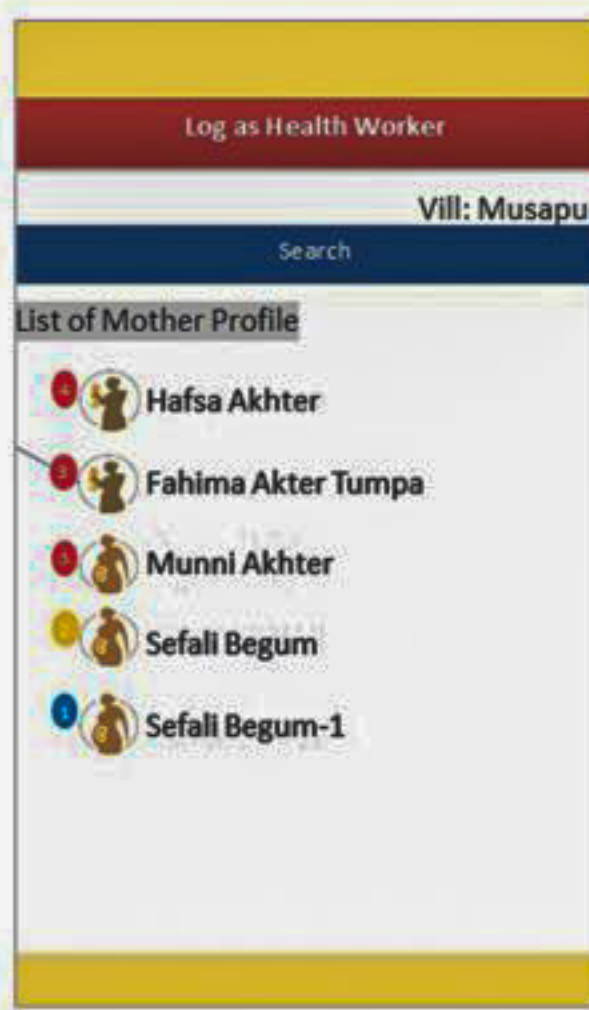
CATEGORY: QUALIFIED TEACHERS IN EDUCATION
TEAM NAME: BUET EXON
TEAM MEMBERS: Anirban Chakraborty, Kawsar Ahmed, Nusrat Ara
NAME OF THE PORTAL: Connecting Teachers

DESCRIPTION: Through this unique portal teachers from urban & rural areas will be able to connect and share their experiences .They will be able to solve any problems through sharing and will remain up-to-date about any latest news regarding education. The teachers can upload and download educational contents, files etc through the online library feature. The portal is also supposed to have options for video calling, group messaging and a notice board section.
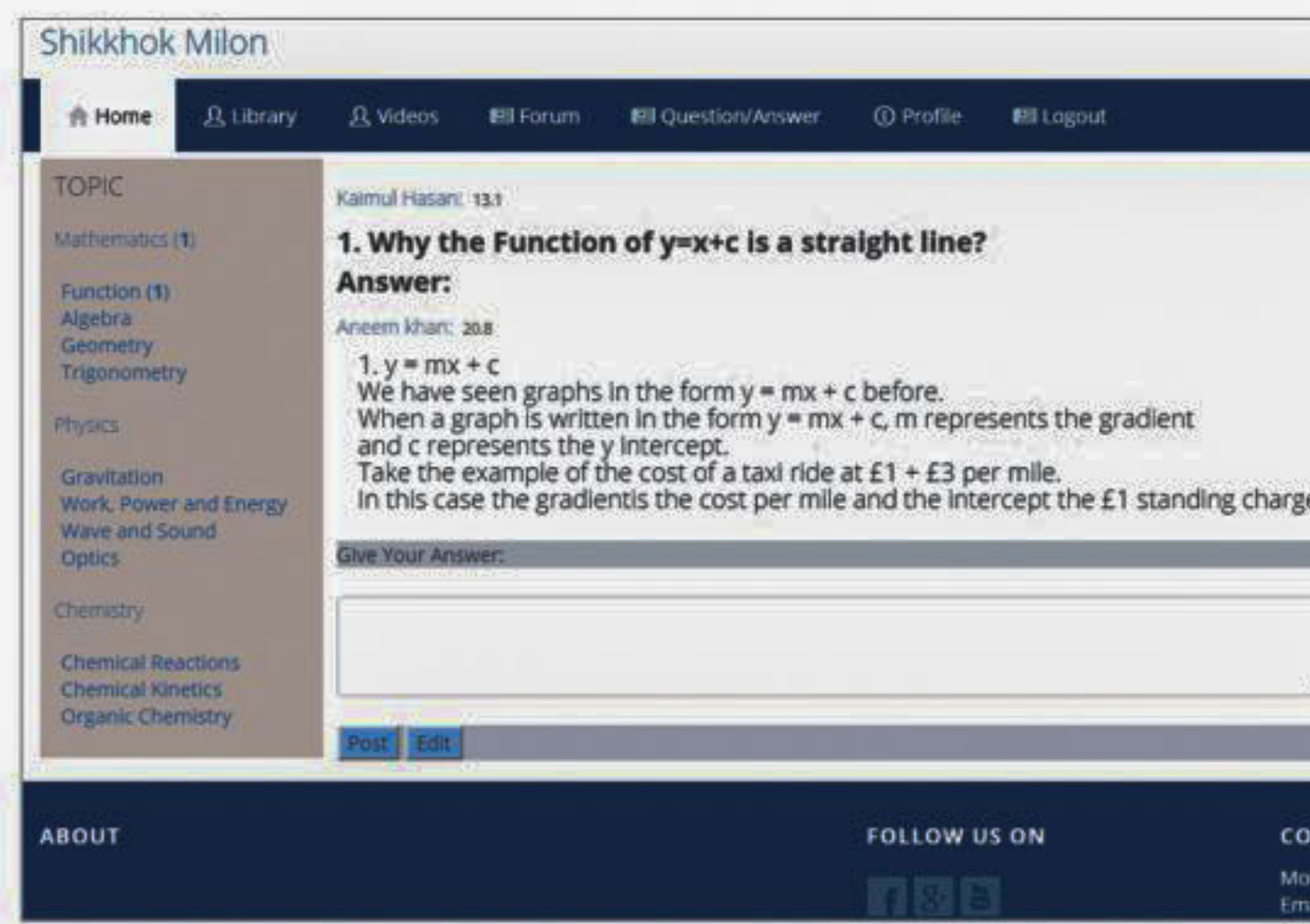
CATEGORY: VIOLENCE AGAINST WOMEN
TEAM NAME: Code Breaker
TEAM MEMBERS: Forhad An Naim, Abdullah Al Mamun, Md. Humayun Kabir, Md. Niaz Sharif Shourov, Mahedi Mosharrof, Sayed Rizban Hussain
NAME OF THE APP: Women Safety Gadget

DESCRIPTION: Through this app, victims can generate safety signals in three ways: through a Help Me button, the power button and a wearable.

CATEGORY: MARINE RESOURCES
TEAM NAME: CodeBreakers
TEAM MEMBERS: Mubasshir Ahmed Bipu, Sabbir Arif Siddique, Mohammad Ali, Asif Mahbub, Readowan Arefeen Choyon
NAME OF THE APP: Dishari

DESCRIPTION: Dishari, which means 'guide' in Bengali, is an app for the fishermen of Bangladesh. This app can pinpoint locations of all fishermen connected via the same app for collaborative teamwork. This app also provides a video feed on proper fishing techniques, information on microloans, and first aid procedures. In addition to that it works as a platform to connect local buyers and fishermen to book and order their products and support each other's businesses. Certainly this could be a game changer in the coastal communities here.

CATEGORY: ENVIRONMENT IN CITY
TEAM NAME: GraphicPeople
TEAM MEMBERS: Ataul Haque, H M Riyadh Ul Islam, Md. Mahboobur Rahman, Md. Nazmul Huda, Md. Habibullah Al Hadi, Md. Morshed Alam
NAME OF THE APP: Shocheton

DESCRIPTION: As the name suggests, this app is here to create awareness and resolve problems for a cleaner city. Users will be able to find nearby public toilets, trash cans in the map with directions. Users can post complaints related to various pollution or submit requests if the available facilities are not adequate.
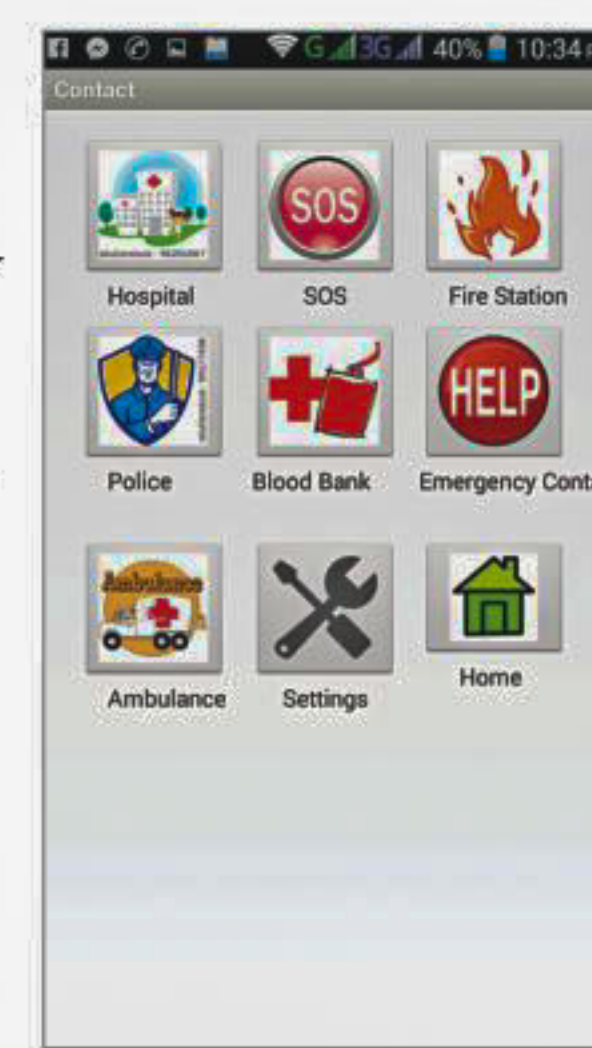
CATEGORY: CORRUPTION
TEAM NAME: Hexagon
TEAM MEMBERS: Tasmia Shahriar, Dhrubo Jyoti Paul, Preya Shabrina Upama, Abida Sanjana Shemonti, Rudra Ranajee Shaha, Nafisul Islam
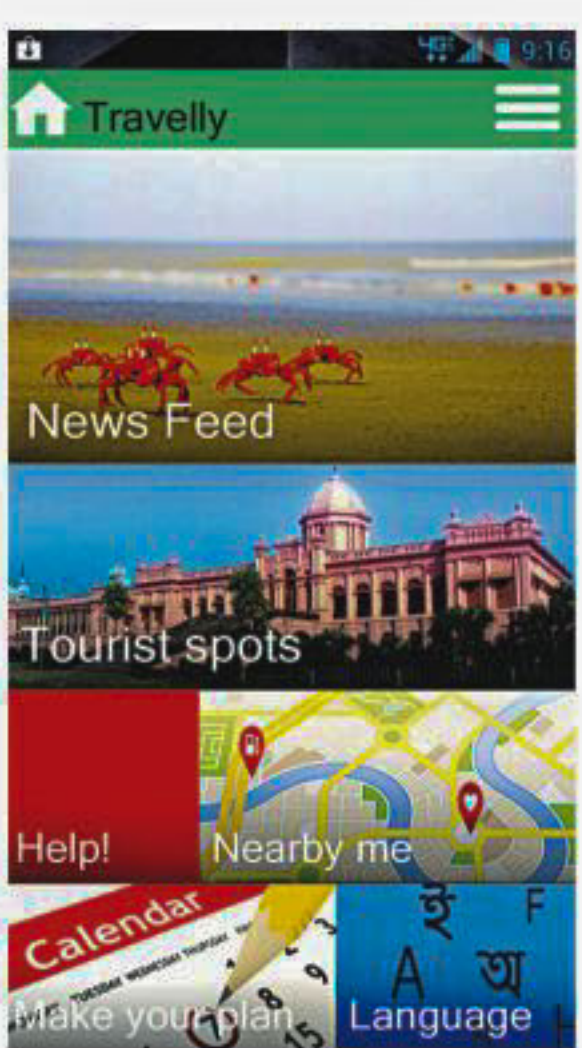NAME OF THE APP: VAT Management System

DESCRIPTION: Through this app when an end customer buys a product, the shop manager sends the vat registration number, invoice id, consumer ID and bill without VAT to the government site. Then the consumer will get notification that the VAT of their product has been cleared by the govt.

CATEGORY: ROAD TRAFFIC ACCIDENTS
TEAM NAME: Fellowship
TEAM MEMBERS: Md. Maksedul Islam, Samim Ahmmad Limon, Md. Morshadul Hassan
NAME OF THE APP: e-Contact

DESCRIPTION: This is a brilliant app that can help save lives after a road accident by searching nearby hospitals, Police Stations, Fire Stations, Ambulance services through GPS technology and emergency calling system.

CATEGORY: SUSTAINABLE TOURISM
TEAM NAME: Droid Digger
TEAM MEMBERS: Md. Shakerul Islam Sakib, Monwar Jahan Mufad, Mihodi Hasan Lushan, Fazle Rabbi Rushu & Hosne Mobarak
NAME OF THE APP: Travelly

DESCRIPTION: This app is a platform where travelers can share their personal experiences with fellow travelers. The cool UI is a big plus-point as well.

CATEGORY: ENERGY EFFICIENCY
TEAM NAME: Techno-Life
TEAM MEMBERS: Tahsir Ahmed Munna, Minhajul Islam, Md. Hafizul Islam, Sadman-Al-Farabe
NAME OF THE PROJECT: Save natural resource and

DESCRIPTION: Remove Load-Shedding This system directs the excess energy produced by the solar panels to a substation. As a result up to 17% energy can from a 500W solar panel. Imagine the impact that this setup can bring.

CATEGORY: AGRICULTURAL PRODUCTIVITY
TEAM NAME: Null_pointer
TEAM MEMBERS: Md. Imran Choudhury, Khan Mohammad Sashoto Seeam, Md. Noor hossain, AKM Rezaul Alam, Arifur Rahman (Coder)
NAME OF THE APP: Krishika

DESCRIPTION: Krishika is an app that focuses on increasing the agricultural productivity by integrating farmers with newer cultivation methods.

JUST IN

Huawei launches the Huawei Y6Pro for Bangladeshi market

The handset's features include a powerful 4000 mAh battery, Power Saving 3.0 technology & two-amp charger. The Y6Pro offers a fully featured camera experience with 13MP seven-piece lens rear camera with F2.0 aperture and also a 5 MP front camera with F2.2 aperture. The phone comes equipped with a 2GB RAM and a 16 GB ROM, and runs on Android 5.1 Lollipop OS complimented by Huawei EMUI 3.1 Lite.
Price: Tk. 15,990/- with 1 year warranty.

TECH HAPPENING

Offer Bazar creates hub of all offers

Offer Bazar, a platform where one can find each and every offer running on several products, started its journey officially from 9th April. The inauguration ceremony was held at BASIS Auditorium at 12 pm where BASIS President Mr Shameem Ahsan was present as Chief Guest. Munir Hasan, coordinator of youth program at Prothom-Alo was also present as special guest. Atikuzzaman, Towshikur Rahman and Shazedul Islam Shuvro; co founders of offer bazar were also present at the event.

ISPAB Organises 'Cyber Security & Network Security' Workshop

A workshop titled 'Cyber Security & Network Security' was organised at Hotel Washington by ISP Association of Bangladesh and ICT Business Promotion Council to discuss about the current ICT security scenario of Bangladesh. State Minister for ICT, Zunaid Ahmed Palak inaugurated the workshop. During the event Palak said, "Bangladesh is going through rapid digitalisation. We are taking steps one after another to promote the sector. At the same time, cyber security risk is also increasing. We need to be ready for that. We need to be successful in preventing threats." ISPAB President M A Hakim said, "ISPAB work not only for business promoting activity but also for human resource development. We arrange this kind of training program every year."

Bangladeshi tech startup Udoy showcases in 'Tech in Asia Singapore 2016'

To connect the hottest up and coming startups with potential investors, Tech in Asia (A Singapore based portal) organised a two day conference titled 'Tech in Asia Singapore 2016'. Around 4,000 entrepreneurs, investors and corporate heads from all around the world participated in the conference. As the only Bangladeshi startup, Udoy participated in the conference. Udoy is a AI powered mobile personal assistant that helps you to find what you want. According to the Co-founder of Udoy, Md. Arif Akram, Udoy is Bangladesh's very first AI backed and human powered personal mobile assistant. He also said "Through this event Udoy has been able to connect directly with potential investors. Additionally, the event has been divided into several categories and many budding startups are being able to learn the key tenets of entrepreneurship." Udoy was chosen as one of the top 6 business ideas in the recently concluded Connecting Startups Bangladesh contest. The app is still in beta phase and is expected to be released soon.

Dell brings in cutting edge data centre solutions in BD

Dell last week announced the addition of new data centre solutions aimed at building future-ready enterprises and workforce. In conjunction with the 'Dell Bangladesh Future-Ready 2016' in Bangladesh, Dell introduced new additions to its portfolio of commercial products in the country. Harjeet Singh Rekhi, General Manager, Dell South Asia Developing Market Group, Chuang Yeah Foo, Head of Client Service, Dell South Asia Developing Market Group & Mohammad Atiqur Rahman, Country Manager, Dell Bangladesh, were present at the event. "The ICT industry developments in Bangladesh in recent years have been impressive, though more can be done to bridge the digital divide in the market. Dell also remains committed to invest in research and development and the channel, and through our ability to pursue a long-term strategy with 100 percent customer focus, Dell increasingly stands alone as the provider of end-to-end solutions that matter most to customers" said Mohammad Atiqur Rahman, Country Manager, Dell Bangladesh.