By Henry Nsubuga

Young people are embracing innovation and technology to solve some of society’s most pressing problems as the world gravitates towards the fourth industrial revolution.

On July 29, students from different universities who were doing their internships at Supercom Technologies in Kabalagala, a Kampala suburb, made their final innovation project presentations before a panel of judges. Below are some of the innovations that were presented.

E-SAFE

The developers said it was an electronic business website and application purposely built to safeguard websites from cyber-attacks by hackers and protect valuable company information.

Their argument is that most times, impersonators look out for those making online transactions like paying for products and services.

Andrew Divine, one of the developers and an information systems student from Kyambogo University, said their application has an interface for the administrator who oversees all the activities on the application and is able to find out when there is an attempt by a hacker and identify the intruders.

The application was developed by Mercy Katese, Brian Andrew, Richard Isingoma, Peace Natsali, Isaac Bakashaba, Seth Kamuntu and Grace Ashaba.

TRAFFIC AID

The application helps motorists determine roads that have traffic jam and also suggests alternative routes to avoid jam.

The interface uses Google maps to give accurate and real-time traffic updates. It can be used on a phone for convenience but can also be accessed on a computer.

To use the application, a user will sign up with their details, including physical address and get the notifications in real time.

The developers were Aisha Nabuudo, Moses Okwo, Joshua Mutebi, Grace Abbey, Agaba, Robert Buleya, Mamasaki, and Alice Nabintu.

CENSUS SYSTEM

This is a real-time population monitoring system they hope will be used by the Government to ease planning, instead of waiting for years to carry out a census.

The developers say the system gets accurate data of the population of different areas and will reduce the money spent on census and have data updated from time to time.

The system looks at the whole country replacing the manual counting system with digital.

On the system, the enumerator registers birth and death data, the supervisor over sees the enumeration while the administrator can add and remove enumerators and also revise the census records.

It was developed by Paul Semwogo, Alex Ngabo, Lilian Mweboza, Tom Andama, Moses Isem, Maghala Muhuma, Alphonse Odoa, Sakat Muhindo, Antonia Mgusha, Sarah Nahwo, Justin Nakwenda and Shaddion Gumoshabe.

CASH APPLICATION

The idea here is to reduce the production, circulation and usage of counterfeit money.

The developers, who developed the application, said they will be using a software that can detect counterfeit money.

The innovators say they have hardware devices similar to the ones in local banks.

The hardware will have a morator used for counting the money and a screen with green lights to show that the machine is counting and when it detects false money the red light will come on and “fake money detected” notice will be displayed on the screen.

The developers are Ranith Nantandere, Agabone Kato, Jovan Mweboza, Edward Sekuhita, Johnson Ayaro, Brian Kito, Joshua Okorut, Mathela Mungye, Tony Usadiid and Herbert Sindiariyaga.

QUICK INVEST

According to the developers, this system is to help many people who have money but have no idea how to invest.

They seek to guide investors with among other basics, the list of the listed companies on the Uganda Securities Exchange to invest in.

Solomon Manzi, one of the developers, said they will know the prices per share and be updated with changes from time to time and be able to check the stocks.

They argue that today, if one wants to know the value of stocks, they will not have to travel to Kampala but their information portal with all the necessary information. There is also a chart to show stock price fluctuation.

The application has a login page where you sign up, get an account, get a registration number and have an account administrator’s page who does the monitoring of the application.

It was developed by Usman Hadi, Basha, Basha Bobbo, Solomon Magawo, Reagan Andew, Bruno Aminatawe, Mercy Kweka, Alice Nababu and Meregi Karuzi.