

Nairobi Innovation Week

Date and time:

Tue, 2015-08-11 13:05

Location / Venue:

University of Nairobi

The Department of physics participated at the [Nairobi Innovation Week](#) event that happened from 5th to 7th August, 2015. On display at our departmental booth were some of the innovations that our undergraduate and postgraduate students have come up with after attending some of our courses, like the Bachelor of Science in Applied Microprocessor and Instrumentation course. Among them was a robotic arm, controlled using a wirelessly connected joystick. Both the control board and the joystick boards were implemented using the modern [ARM-based Freescale micro-controllers](#). [FreeRTOS](#) was used to create a real-time firmware running in both boards. The robotic arm is a basis KIT for learning robotics. This a step forward in demonstrating the level of preparedness of our graduates to work in a problem solving environment armed with relevant skills and able to utilize modern embedded systems development tool-sets to come up with custom solutions for specific problems.

There was also on display a 3D printed drone, part of an ongoing Msc. project. We had many visitors at our booth and we made lots of contacts with very interesting people. We would like to thank all those that visited us. We would like to continue some of the discussions that started at the exhibition and forge relationships with relevant stakeholders to further the level of implementation of some of these technologies.