



SHORT COURSE ON RAPID PROTOTYPING FOR IOT

The UR-CST-African Center of Excellence in Internet of Things (ACEIoT) in conjunction with WAZIUP is organizing a five-day short-course on Rapid Prototyping for IoT. The short course is scheduled from **April 23rd to 27th, 2018**. Participants having prior knowledge in the below mentioned field are eligible to apply.

- ◆ Electrical and Electronics
- ◆ Computer Engineering
- ◆ Computer Science and other related fields.

For registration visit the following link:

<http://aceiot.ur.ac.rw/registration>

Deadline for Registration : April 16th 2018.

Registration fees: FRW 20,000 to be paid @ the University of Rwanda internal revenues account No:00094-0637830-21(Bank of Kigali). The fee caters for lunch and refreshments.

For more deatail follow this link:

<http://aceiot.ur.ac.rw/?q=content/iot-training-rapid-prototyping>

Upon successful completion of the short course the participants will be eligible to get Certificates.

There are scholarship opportunities available on a competitive basis for eligible candidates from Eastern and Southern Africa Region (Kenya, Malawi, Tanzania, Ethiopia, Burundi, Mozambique, Uganda, and Zambia). The scholarship includes a Bus Ticket to attend the training, meals and accommodation.

Note: Female candidates are strongly encouraged to apply.

University of Rwanda | ACEIoT

NOTE: Inquiries can be sent to the following E-mail Address: aceiot@ur.ac.rw or contact us on Mob : +250788461101/+250783016900/+250783049884

VENUE: KIST 2 Building , Computer LAB

Program Schedule:



DAYS	ACTIVITIES
DAY1	<ul style="list-style-type: none"> ◆ Opening Ceremony ◆ Participants present their ideas (pitch presentation)
DAY2	<ul style="list-style-type: none"> ◆ Basics of Python programming ◆ IoT hardware ◆ Sensor interfacing with IoT hardware ◆ Simple exercises ◆ Basic of IoT short-range and long-range communication ◆ IoT LoRa framework ◆ Prototyping sensors node with LoRa
DAY3	<ul style="list-style-type: none"> ◆ IoT Protocol and database ◆ Gateway Configuration with cloud ◆ Finalizing IoT LoRa sensing platforms ◆ Basic of cloud platform ◆ How to use API(tutorial) ◆ IoT cloud and applications
DAY4	<ul style="list-style-type: none"> ◆ Cloud and Data Visualization ◆ Smart Applications using Web URL ◆ Data monitoring and Analysis Using Cloud platform ◆ Mobile application development tools
DAY5	<ul style="list-style-type: none"> ◆ Students finalizing the project including the presentation preparation ◆ Show-case and pitch of the 10 groups ◆ Awarding of certificates ◆ Closing Remarks

