



IEEE Botswana Sub-Section

Event Number: 1 of 2020

Date: 26th – 28th August 2020

Time: 8:30am to 5:00pm daily

Venue: Botswana International University of Science and Technology (BIUST) Labs

Prepared by: Dr. Sajid M. Sheikh

WORKSHOP ON INTRODUCTION TO INTERNET OF THINGS (IOT)

The IEEE Botswana Sub-Section in collaboration with the FET Cisco Academy at UB and BIUST organised a 3 day event as below:

Workshop on Introduction to Internet of Things (IoT)

Dates: Wednesday 26th August 2020 to Friday 28th August 2020

Workshop Overview: Introduction to IoT course providing an overview of the concepts and challenges of the transformational IoT economy. The course discusses the Internet and its evolution to the interconnection of people, processes, data, and things that forms the Internet of Thing. The course introduced the concept of a network foundation connecting billions of things and trillions of gigabytes of data to enhance our decision making and interactions. Course modules describe how IoT drives the convergence between an organization's operational technology (OT) and information technology (IT) systems, and the business processes for evaluating a problem and implementing an IoE solution. Machine-to-machine (M2M), machine-to-people (M2P), and people-to-people (P2P) connections in an IoE solution are also covered. The course introduces the concepts and challenges of the transformational IoE economy. Three lab sessions were carried out relating to the IoT Concepts. Practicals were done with the Arduino Microcontroller. A certificate was issued to those who successful completed the course. The course was conducted by Dr. Sajid M. Sheikh and Dr. Kgwadi. There were 10 participants.

- The students did a written test.
- The lecturers were conducted online by Dr. Ngebani and Dr. Sheikh
- The labs were conducted by Dr. Kgwadi
- Dr. Mtengi provided access to labs, student supervision and test administration
- Tests Marking were done by Dr. Sheikh
- Certificates of attendance were issued to all those that attended the workshop.
- Cisco IoT certificates were issued to those that passed the test.

Some pictures of the event are below.



