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Title of the International Workshop:

Arduino: IoT Applications

Presenters:

Dr. Priyanka E. B.

Dr. Rand Alhashimie

Date	Hour	Location
31/05/2022	10:00 - 12:00	TIU Main Building 302

Participants:

93 Total (27 Online and 66 on Campus)

Agenda:

Session 1

Introduction to IoT, with its fundamental and features, Arduino and It's types, then end with an Introduction to Thingspeak.

Session 2:

IoT System Architecture, Applications of IoT system such as: Smart Home, E-Health System, Smart Agriculture and Smart City, and the requirements of IoT System including Sensors, Actuators, Controller and Platforms.

Summary of the Workshop:

Mechatronics Engineering Department at Tishk International University conducted an international workshop in collaboration with Kongu Engineering College – India on May 31, 2022, the workshop entitled as **Arduino: IoT Applications**.

The workshop was divided into two sessions, the first session was presented by Dr. Priyanka E. B. from Kongu Engineering College – India, and the second session was presented by Dr. Rand Alhashimie from Mechatronics Engineering Department / TIU. Around 93 participates joined the workshop online and on-campus from different universities.

The covered topics by the first session were: Introduction to IoT, with its fundamental and features, Arduino and It's types, then end with an Introduction to Thingspeak.



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While during the second session the covered topics were: IoT System Architecture, Applications of IoT system such as: Smart Home, E-Health System, Smart Agriculture and Smart City, and the requirements of IoT System including Sensors, Actuators, Controller and Platforms.

Outcomes of the Workshop:

- 1- Introduction to IoT
- 2- Introduction to Thingspeak.
- 3- IoT System Architecture, Applications of IoT system

Follow-up Steps:

We will try to arrange a training course next year based on IoT system.

Recommendations:

We would encourage our students to conduct their final year projects (FYP) in this field, this is the technology of the future.

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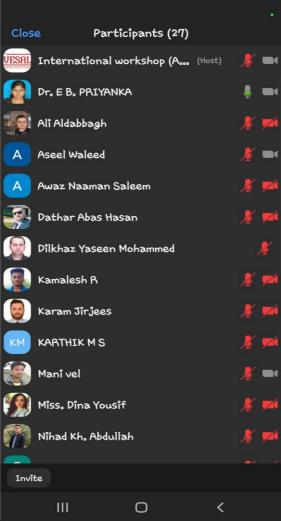
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