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	<p style="color: red;">Title of the International Workshop:</p> <p style="color: red; font-size: 1.2em;"><b>Arduino: IoT Applications</b></p>
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**Presenters:**  
 Dr. Priyanka E. B.  
 Dr. Rand Alhashimie

<b>Date</b> 31/05/2022	<b>Hour</b> 10:00 – 12:00	<b>Location</b> TIU Main Building 302
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**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.

**Date :**

**31/05/2022**

**Submitted by:**

**Ezideen A Hasso**



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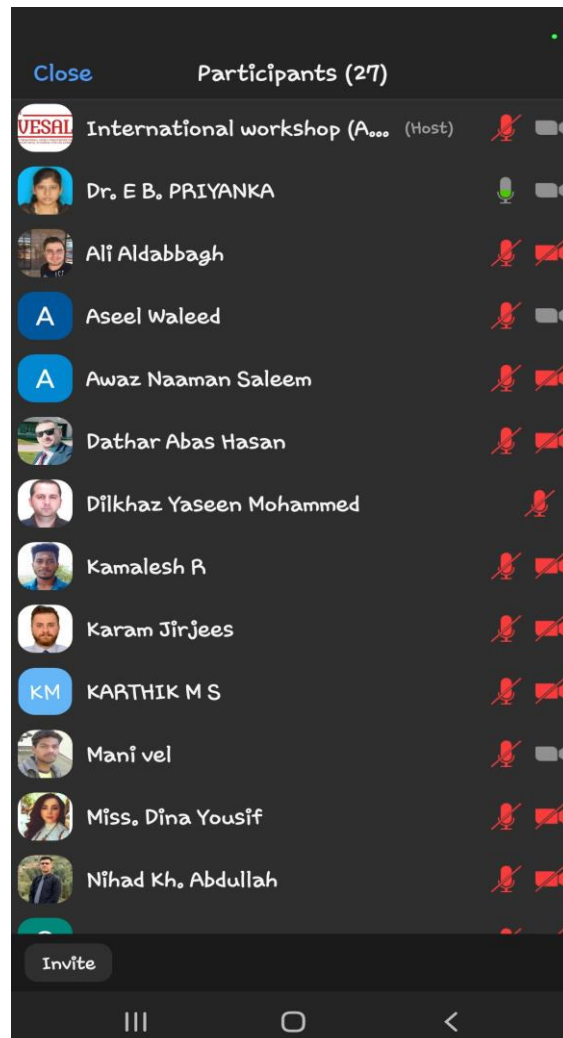
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International Workshop: Arduino: IOT Applications

No	Name	Title	Signature/Session 1	Signature/Session 2
52	Soran Ramadhan	mechatronics		
53	Mohammed Ali	IOT Applications		
54	Mohammed Fafouq	mechatronics		
55	Bawa Abdulbasit			
56	Zafer Burak Bulut	Mechatronics		
57	Asim Arman Erdogan	Mechatronics		
58	Taha Abdulla	Aviation		
59	Yasin Kanaran	Aviation		
60	Mohammed Abdolxala	Aviation		
61	Wed Mohammed			
62	Abdulrahman Mohammed			
63	Ibrahim Ahmed Nazat			
64	Saman Sarder abduallah			
65	Ahmed Kanaan Rahman			
66	Ali Muath sheet			





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International Workshop: Arduino: IOT Applications

No	Name	Title	Signature/ Session 1	Signature/Session 2
39	Adnan Adam Muhamad			
40	Muhammed Dihsad			
41	Mustafa Khalis bilal			
42	Aree Peshawa			
43	Bruar Abdulbasib			
44	Ali Muath sheet			
45	Zafer Burak Bulut			
46	Soran Ramadhan			
47	Yasin Hamran	Aviation		
48	Muhammed Abdulkhalid			
49	Taher Abdulla			
50	Amr Al-Tajer			
51	Muhammed Ali			



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International Workshop: **Arduino: IOT Applications**

No	Name	Title	Signature/ Session 1	Signature/Session 2
27	malik Abdulbari			
28	yousif Abdulhalik			
29	Ameer Saleh			
30	omer AZAD Sadi			
31	Muhamel Dzar Ibrahim			
32	Ahmed Hussein			
33	Qasay Alwaid	R.A		
34	Rasty Rizgar Mustafa			
35	Fawaz Rafid Fareed			
36	Mohammed Farooq Abdalab			
37	Prwsha Aryan Ahmed			
38	mustafa nazar			





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International Workshop: Arduino: IOT Applications

No	Name	Title	Signature/Session 1	Signature/Session 2
14	Thamir M. Ahmed	Assoc. prof		
15	Merve S. TAHA	Assist Lecturer		
16	Gaya Abdulgadir	Research Assistant		
17	SHAAD AHMED	R. ASSISTANT		
18	Hussein Mohamed	Asst. Pis		
19	Sayok Savdar			
20	Ahmed Adnan			
21	Musbafa Ismail			
22	Dr. Caysar S. Mahdy	professor		
23	Aree Peshawarsaid			
24	Ammar Talib			
25	Bayer Ahmed			
26	Lawand Jaffar			



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31/5/2015		10:00 AM		302 MB

International Workshop: Arduino: IOT Applications

No	Name	Title	Signature/Session 1	Signature/Session 2
1.	Dr. Hamed M. Jassim	Professor		
2.	Dr. Ezideen Hasso	HoD		
3.	Safa Anwar	Ass. Lec.		
4.	Safa Serwel	Ass. Lec		
5.	Dr. Rana Basil	Lecturer		
6.	Dusay H. Ali	Ass. Lecturer		
7.	Ahmed A. Arsalan	R. A		
8.	Sana Basil	Ass. Lecturer		
9.	Marwa Awni Kamal	R. A		
10.	Garmyan Fouad Ali	R. A		
11.	Sivakumar N S	Asst. Prof		
12.	Ahmed Haval	R. Assistant		
13.	Karam Dhey	R. Assistant		