Sensors Report 21-22

Chair person Vignesh Raj
Treasurer Lakshmanan R
Overall Coordinator Thanish Kumar

Sensors Sunday: Multiple facts about one chosen topic was posted every Sunday in a month on the Social Media Handles of Sensors.
Mode of Event: Online Social Media Handles.
Timelines: 18/09/2021 to 13/03/2022
Outcome:
The event was successfully conducted for several months, reaching a considerable number of people.
Students were educated on various interesting topics relating to the field of Technology, Automation.

Know your sensors: Conducted an event where participants had to take a photo of any device from the surroundings and specify the sensor used in it. A small description of the sensor (3-4 lines) along with the picture were to be given.
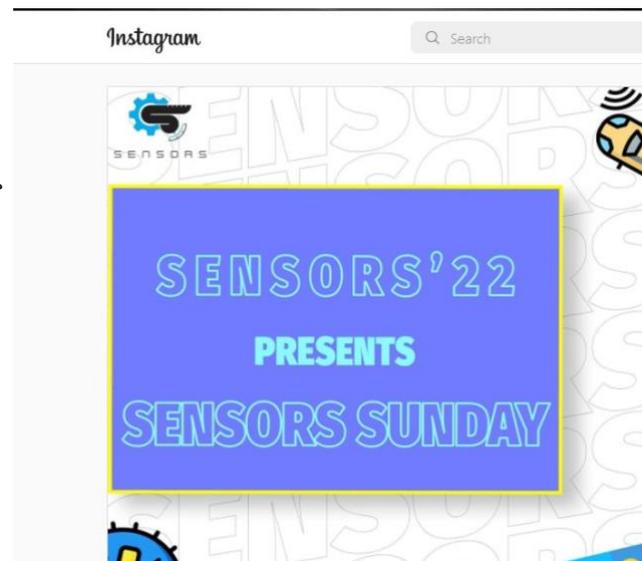Participants had to upload it in their Instagram story and tag Sensors official Instagram page Winners were decided based on the number of photos posted (and creativity on posting them with description) .

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Mode of Event: Online Social Media Handles.

Timeline: 18/10/21 to 21/10/21
Outcome:
We received a high amount of submissions. Many people came forward for posting it as their story which was a free promotion to SENSORS as well. Winners were officially announced in social media handle on 22/10/21.

Guess who? : An user engaging event where the participants had to guess famous tech personalities. The images of the personalities were blurred so that it becomes quite difficult for the participants to guess.

Mode of Event: Online Social Media Handles.
Timelines: 12/11/2021
Outcome: Increased user participation and interaction with our social media handles. No prizes were awarded as it was a fun event.

The MATLAB WORKSHOP

This workshop is conducted without fees. It helped many students to expand their knowledge and applications in MATLAB. We had Mr.Akhil Gopinath, education Technical Evangelist at MathWorks, teach MATLAB to the students. This was the first workshop. It was a grand one with a lot of participation.

Mode of Event: Online

Platform: Teams

Timelines: 05/01/2022

Duration: 2 hours

Cost of Workshop: No fees

Outcome: 500 people registered and 300+ people attended the workshop
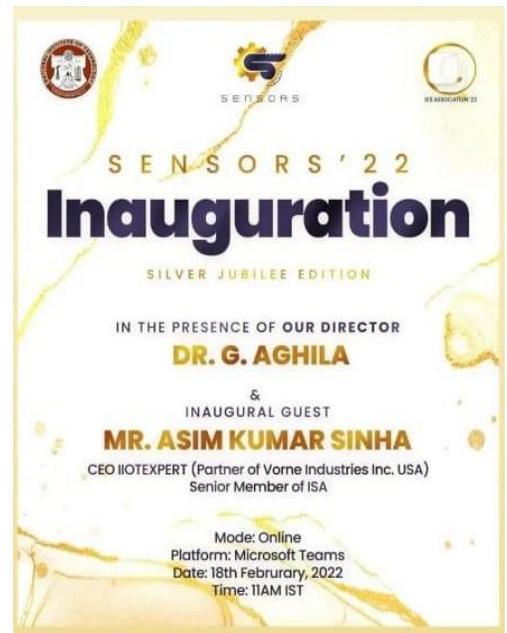

Sensors Inauguration:
The technical symposium of the Department of Instrumentation and Control Engineering, Sensors, was inaugurated on 18th February 2022.
The occasion was graced by the presence of Shri. Asim Kumar Sinha, CEO of IIOTEXPERT(Partner of Vorne Industries Inc. USA), a Senior Member of the International Society of Automation(ISA), and a regular author for the ISA Global website.

It was organized in a hybrid format with invitees both online and in-person, in the presence of Dr G. Aghila, the Director of NIT Trichy, Head of the Department Dr K. Dhanalakshmi, Dr M. Umapathy, and Faculty Advisor of Instrumentation and Control Engineers Association(ICEA), Dr R. Periyasamy, and fellow students.

Vignesh Raj, Student Chairperson of ICEA started the event with the Inaugural address. Dr.K.Dhana Lakshmi gave an overview of ICE department NIT Trichy followed by which Dr. R. Periyasamy spoke about Sensors and ICE Association. Mr Asim Kumar Sinha spoke about Industrial IoT and Smart manufacturing, sharing his experience and immense knowledge in the field. The event ended with a vote of thanks from Lakshmanan R, Student Treasurer of ICEA.

Networking Webinar

An interesting webinar was conducted by Mr.Adithyaa Sriram, Associate consultant at Bain and Co., and fellow NIT alumni. Effective use of LinkedIn as a medium to scout for internships, placements, and networking is discussed.

Mode of Event: Online
Platform: Google Meet
Timelines: 26/02/2022
Duration: 1 hr

Cost of Workshop: free
Outcome: It was a very insightful and interactive talk. Students who liked to explore different fields, seek new opportunities were benefited with this session.

FrontEnd Web Development Workshop

It was a paid workshop, recordings and certificates were distributed to the participants after the workshop.

Mode of Event: Online
Platform: Zoom
Timelines: 27/02/2022

Duration: 6hrs

Cost of Workshop: ₹99 per person

Outcome: Advertising through social media was done to increase participation. Students who wanted to learn and get into web development got an in depth explanation from an expert. And gave feedback that they want more such sessions from Sensors Team.

Tech Triathlon - Webinar on Current Trends in Robotics and Automation

A Webinar to get handy insights about the scope of the Robotics and Automation field conducted by Guest lecturer Puru Rastogi, CEO, Mojito Automaton Pvt. Ltd.

Mode of Event: Online

Platform: Zoom

Timelines: 04/03/2022

Duration: 1 hr

Cost of Workshop: free

Outcome: Participants got insights about the field of Robotics and Automation, Clarifying their questions on higher studies in Robotics. He also elaborated about entrepreneurship, relating it with robotics and india

Tech Triathlon - Introduction to ROS

In this Workshop, The students get to know how to simulate a bot in ROS and code it. Registration fees were INR 150 and Certificates were provided.

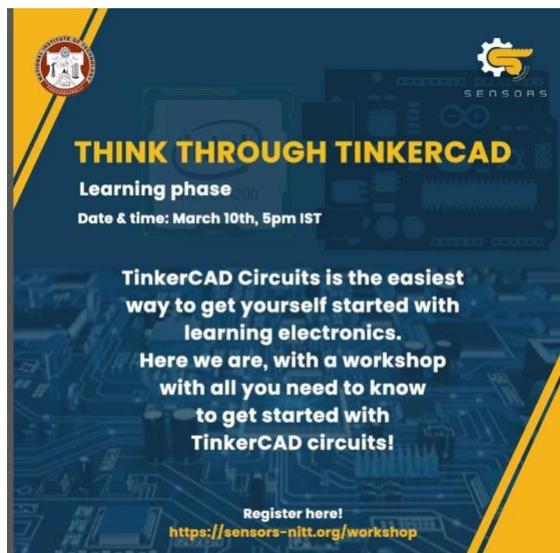

Mode of Event: Online
Platform: Zoom
Timelines: 05/03/2022
Duration: 3hrs
Cost of Workshop: INR 150
Outcome: Educated participants and the students on Linux followed by ROS. And how to simulate and program a robot in ROS , Gazebo.

Think through Tinkercad:
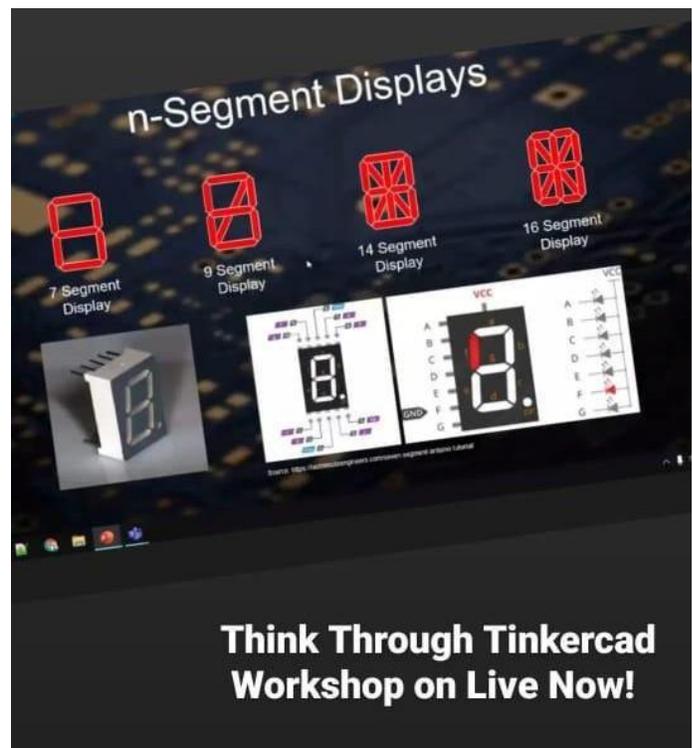

A workshop to get students familiar with tinkercad circuits.
Mode: Online
Outcome: More participation for the event happened. As well more students were

benefited as they could get to learn and simulate arduino related projects without hardware.

Think Through Tinkercad - Event

An event where participants had to solve problem statements related to circuit design with the help of Tinkercad.

Mode of Event: Social media handle and google forms (For submission).
Timelines: 11/03/2022 to 14/03/2022

Outcome: To apply and have their knowledge from Circuit design and Arduino tested. Since the circuit was done using tinkercad Circuits, a free circuit design software for arduino related circuits, students who did not have the hardware also showed up for the contest. We received a good amount of registrations.
Prize Money of 5K was awarded to the winner.