



# Jansons Institute of Technology

Karumathampatti, Coimbatore – 641 659

## Report

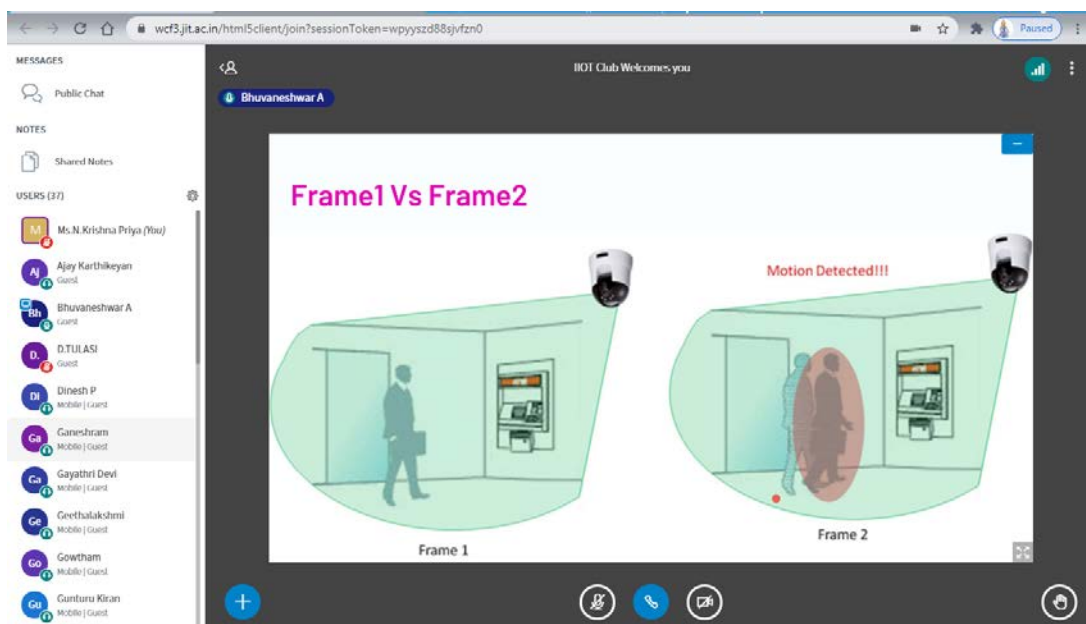
<b>Name of the Program / Activity / Event / Others</b>	Hands-on workshop on the topic "Webcam Motion Detection using IOT" by AI & DS Department Students
<b>Date &amp; No. of days</b>	25.08.2021 & 01
<b>Organized by</b>	JIT-IIOT CLUB
<b>In association with</b>	-
<b>Venue</b>	Virtual platform - Moodle
<b>Participants/ Beneficiaries</b>	Students of all disciplines

### Event brief (500 words with photo):

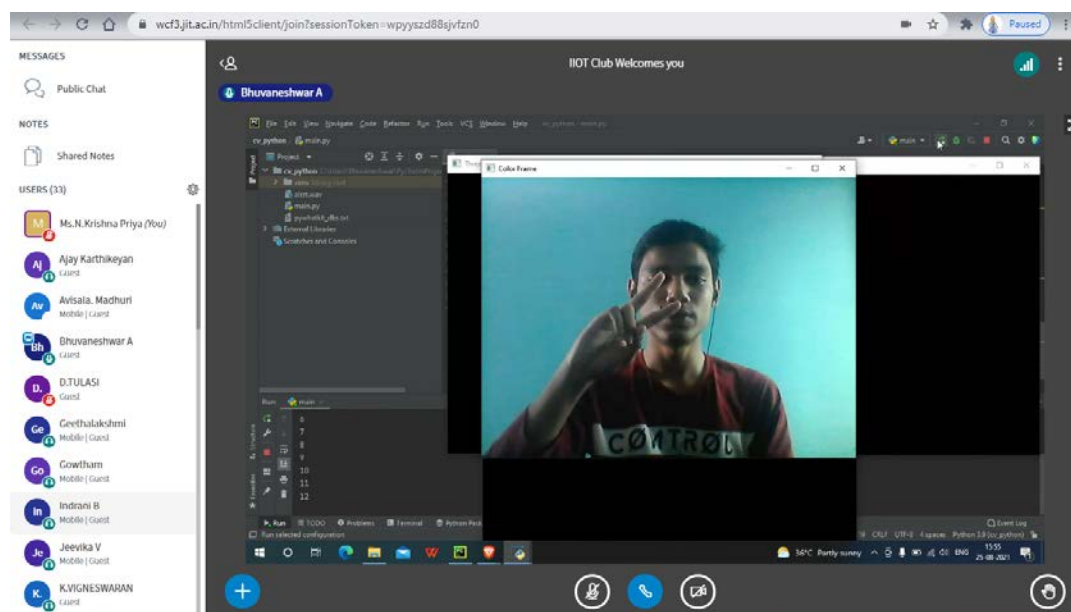
A Hands-on workshop on the topic "Webcam Motion Detection using IOT" organized on 25.08.2021 by the Industrial IOT club at Jansons Institute of Technology, Coimbatore. The session was handled by the IIOT club student coordinators of AI & DS department, where they provided the real-time simulation of the motion detection using IOT.

In this workshop, video surveillance system is presented based on a single board computer represented by Raspberry PI as an embedded solution. The aim is to make a smart surveillance system which can be monitored by owner remotely. As it is connected with IOT, the system will send the notifications when an intrusion is detected inside the room. It is required to develop an affordable low cost web-camera based surveillance system for remote security monitoring. Authorized user can access to their monitoring system remotely via internet with the use of a mobile phone and monitor the situation on application.

Students and Faculty members took part in the workshop which was enriching and highly insightful. The session ended with the discussion of future enhancements of the work.



Real-time simulation of Motion Detection using IOT



Hands-on workshop on the topic "Webcam Motion Detection using IOT" by AI & DS Dept Students on 25.08.2021 through Moodle.

Outcomes	Students will be able to build their career and the knowledge required for the industry need.
Feedback	Excellent
Suggestions / Future actions	More number of sessions can be planned.

Mrs.N.Krishnapriya  
Faculty In-charge