Brief Report of Value-Added Course on CSV-23-05 Internet of Things (Run-1) 03-07-2023 to 15-07-2023

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Brief Report of Value-Added Course
On
CSV-23-05 Internet of Things (Run-1)
03-07-2023 to 15-07-2023
Organized by
Department of Computer Sc. & Engineering
Integral University, Lucknow

The DQAC, Department of Computer Science & Engineering, Integral University, Lucknow organized an online value-added course on '**Internet of Things**' for the students of B.Tech., M.Tech., BCA, MCA, BSc. PMC, and Diploma in Engg. The two-week value-added course, with 30-hours of active engagement, was organized from 3rd July 2023 to 15th July 2023 in online mode on ili.

The course enabled the students to understand the basics of Internet of Things and protocols. It enabled participants to understand the building blocks of the Internet of Things, their characteristics, application areas, concepts of interconnection, and integration of the physical world.

Hands-on training sessions were delivered on Arduino, OS installation on Raspberry PI, Python Programming with Raspberry PI, LED Blinking & Brightness Control of LED using PWM, Interfacing IR sensor & Temperature and Humidity monitoring. The students will be able to design & develop IOT Devices.
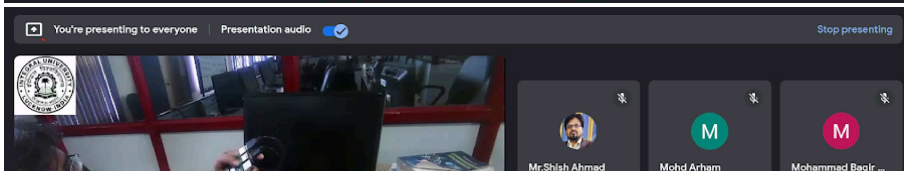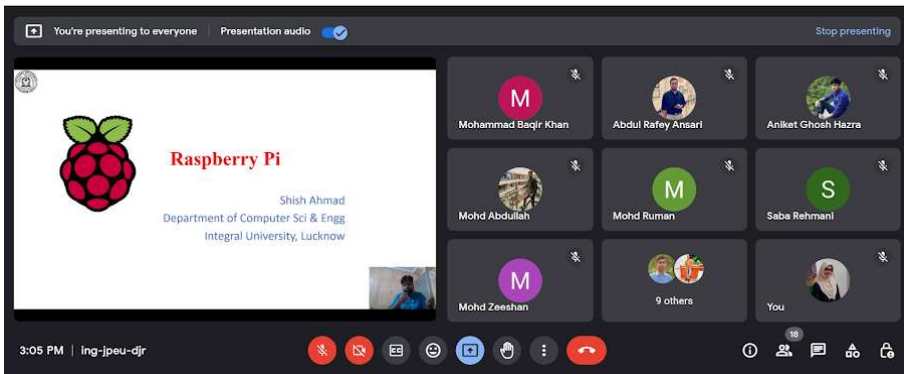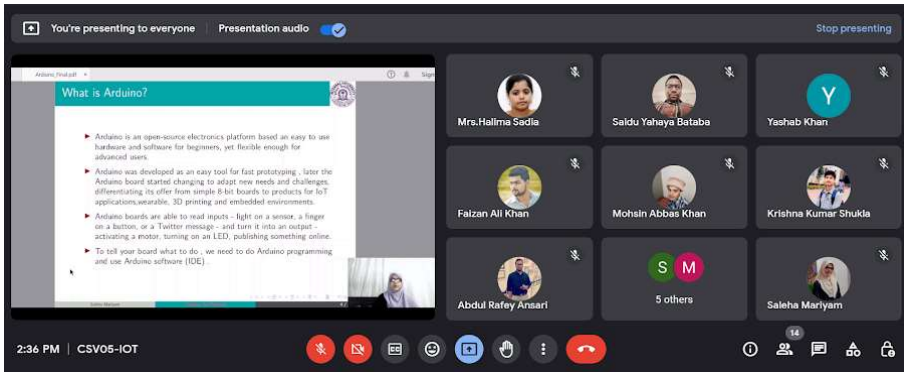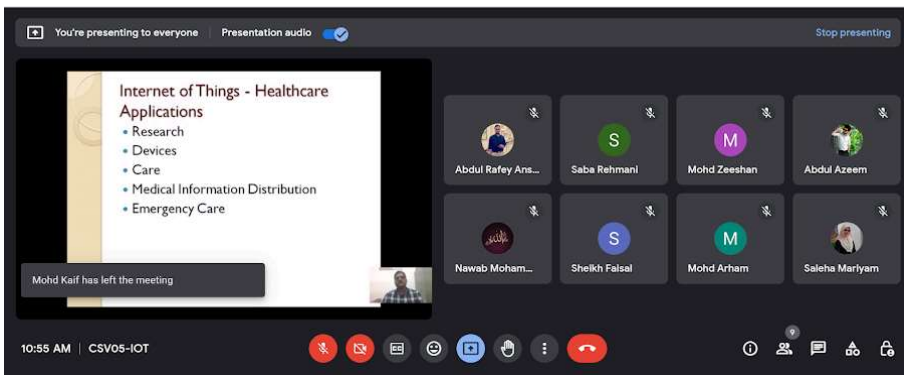
The online 30-hours value-added course was organized by DQAC, Department of Computer Sc. & Engineering under the able guidance of Ms. Kavita Agrawal, Head, Department of CSE, Integral University, Lucknow. The course structure and module description were designed by Dr. Shish Ahmad, Professor, Department of CSE, Integral University, Lucknow. The overall event was coordinated by Dr. Halima Sadia, Associate Professor, Ms. Ankita Srivastava & Ms. Saleha Mairiyam, Assistant Professor, Department of CSE, Integral University, Lucknow. Special thanks to Ms. Saleha Mariyam for managing the sessions.

A total of 211 students registered for the event and received certificates of completion. The distribution of E-Certificate was based on students' attendance, submitted assignments, and their performance in the final online test, conducted at the end of the course.

Following were the resource persons for the Value-Added Course:

Ms. Kavita Agrawal, Associate Professor & Head, CSE Department, Integral University, Lucknow
Dr. Shish Ahmad, Professor, CSE Department, Integral University, Lucknow
Dr. Mohd Haroon, Professor, CSE Department, Integral University, Lucknow
Dr. Mohd Arif, Associate Professor, VIT, Vellore
Dr. Halima Sadia, Associate Professor, CSE Department, Integral University, Lucknow
Dr. Faiyaz Ahmad, Associate Professor, CSE Department, Integral University, Lucknow
Ms. Saleha Mariyam, Assistant Professor, CSE Department, Integral University, Lucknow

Glimpses of the *Value-Added Course on CSV-23-05 Internet of Things (Run-1) from 03-07-2023 to 15-07-2023*

Thanks & Regards,

Dr. Halima Sadia

Associate Professor & Program Coordinator
Department of Computer Science & Engg.
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