



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

A CHRISTIAN MINORITY RESIDENTIAL INSTITUTION

AICTE Approved & NAAC Accredited

DEPARTMENT OF ROBOTICS ENGINEERING

EVENT REPORT

Date:23/08/2021

NAME OF THE EVENT	Webinar on COBOTS
DATE	23rd of August 2021 from 11:00 AM to 12:15 PM.
MEDIUM	Zoom Meeting
RESOURCE PERSONS AND THEIR DETAILS (WITH PHONE AND EMAIL ID (not required for internal))	Mr. Arun Joy Robotics Application Engineer I.T Analyst IoT - Cognitive Systems & Industrial Robots TATA CONSULTANCY SERVICES tos Infopark, Kochi
ORGANIZERS	Dr. L.D. Vijay Aanand, CAIRA
NO. OF INTERNAL PARTICIPANTS	85
NO. OF EXTERNAL PARTICIPANTS	75
REGISTRATION FEES IN RS.	NIL
SPONSORS IF ANY	NIL

SHORT REPORT:

On May 23rd, Karunya institute of technology and sciences along with the department of Robotics engineering and department association CAIRA organized a webinar on the subject COBOTS.

The Webinar was open to the public and approximately 160 were in attendance. The required promotions were done for the event using various social media platforms with videos and posters.

The guest speaker shared that across the spectrum of smart technology, it's clear that everything from computers and cars to heavy machinery, and MedTech are becoming more and more intelligent every day. With new artificial intelligence algorithms, the technology around us is constantly adjusting to our needs and behaviors to serve us in the best way. This technology assistance is also scaling up. Industrial 'cobots' or collaborative robots are designed to be able to collaborate with humans in an intelligent and safe manner, and are set to become a key part of industry 4.0.

What are cobots?

Collaborative robots are robots that are capable of collaborating with humans. This collaboration is supposed to enhance human abilities in a safe way. In comparison, robotics deployments that do not assume human-robot collaboration typically function independently from humans, and often reside in a cage. They can also be programmed to stop when a human enters the facility where the robot operate. This, in turn leads to unwanted delays in operation or production, which can be avoided through the use of cobots. Collaborative robots are capable of monitoring the environment and co-existing in the same facility together with humans without sacrificing performance or safety.

The industry development of cobots is ongoing in several different areas. Faster reaction time, more exact movement patterns, orientation capabilities, capabilities in imitating humans – all these aspects contribute to advancements in cobot development. In addition, brain-computer interfaces is an exciting area that has made significant progress recently. When brain signals can be read with high precision and transferred to the robots, we will be able to collaborate with them in a completely new way.

The overall outcome of the webinar was very insightful and triggering content.

During the conference, attendees shared opinions, thoughts and suggestions for consideration during the event. Then, following a structured process of brainstorming and information exchange, participants in the session were allowed to share their queries in the chat box with related Questions and solutions.

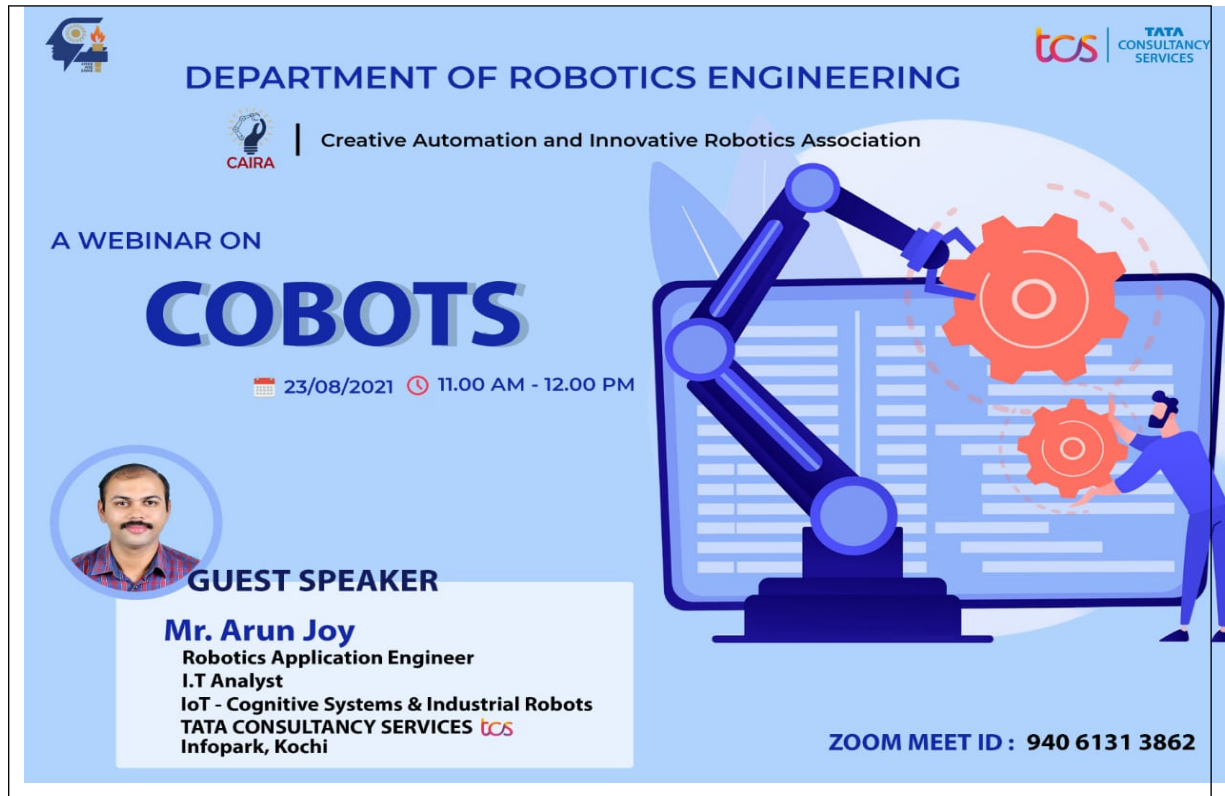
At the conclusion of the webinar, the feedback was collected as the G-form link was presented to the entire group in attendance in the chat box to receive their respective E-certificates through the mail(automatically generated).

Finally, appreciation to the Department organizers for making the best out of this event and completing it successfully with positive remarks. Very honourable to have the guest speaker share his insightful COBOTS content to the public and for spending his valuable time for the webinar on request.

OUTCOME:

The participants were involved in a knowledge enhancing, informative and an interactive session on COBOTS. They also gained knowledge on the perspective of Robotics and Automation around the field of MNC's.

PHOTOS:



DEPARTMENT OF ROBOTICS ENGINEERING

CAIRA | Creative Automation and Innovative Robotics Association

TCS | TATA CONSULTANCY SERVICES

A WEBINAR ON

COBOTS

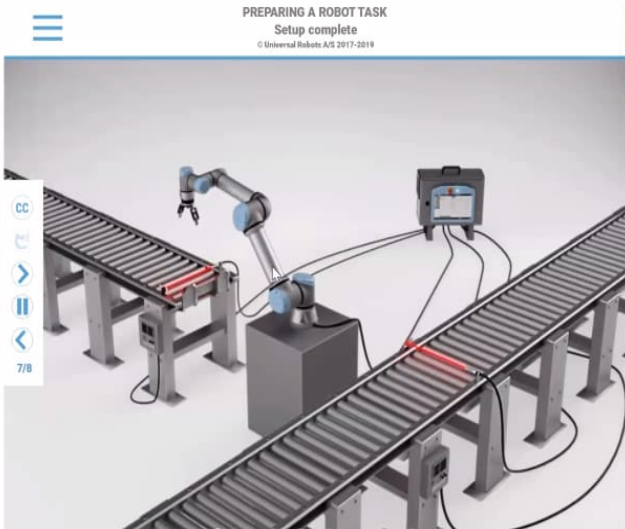
23/08/2021 11.00 AM - 12.00 PM

GUEST SPEAKER

Mr. Arun Joy
Robotics Application Engineer
I.T Analyst
IoT - Cognitive Systems & Industrial Robots
TATA CONSULTANCY SERVICES **tcs**
Infopark, Kochi

ZOOM MEET ID : 940 6131 3862

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PREPARING A ROBOT TASK
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FIRST LOOK: THE ROBOT AT A GLANCE

What You Will Learn

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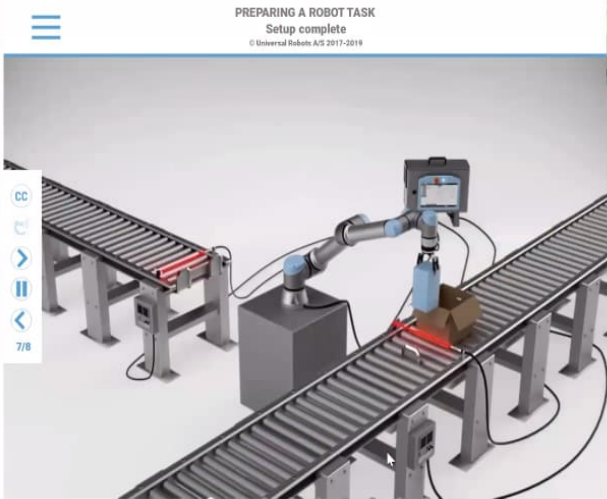


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FIRST LOOK: THE ROBOT AT A GLANCE
What You Will Learn

- What You Will Learn
- The Robot Arm
- Control Box
- Touch Panel
- Frontview Mode
- Production Step



UNIVERSAL ROBOTS

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TOTAL REVENUE GENERATED:

Nil