

EVENT REPORT

Online Webinar

on

“Electric Vehicle”

Organized By

Department of Electrical Engineering
Faculty of Engineering and Technology
Gurukula Kangri (deemed to be University)
Haridwar Uttarakhand

A webinar on “Electric Vehicle” was organized By Department of Electrical Engineering, Faculty of Engineering and Technology, Gurukula Kangri (deemed to be University) Haridwar on 10 May 2022 under the guidance of hon’ble Vice Chancellor Prof. Roop Kishor Shastri, hon’ble Registrar Prof. Sunil Kumar, Dean FET Prof. Pankaj Madan and department Incharge Mr. Gajendra Singh Rawat to have a view on the electric Vehicle and its technologies which are helping our environment which move towards carbon neutral scenario in the world by our guest speaker Mr. Mohan Sunderarajan Iyer General Manager Christiani Sharpline Technical Training. This even was coordinated by Mr. Bipin Kumar Nishad. The details of the event are as under:

1. Number of participants registered: 119
2. Number of participants finally appeared in webinar:85

Gurukula Kangri (Deemed to be University)
Haridwar, Uttarakhand

Life Is On | **Schneider Electric**

Speaker

Webinar On Electric Vehicle

Time-3 PM
Date-10 May 2022

Registration Link-
<https://forms.gle/zB2zG3R4jSGnFhvv5>

Coordinator
Mr. Gajendra Singh Rawat
Mr. Bipin Kumar Nishad

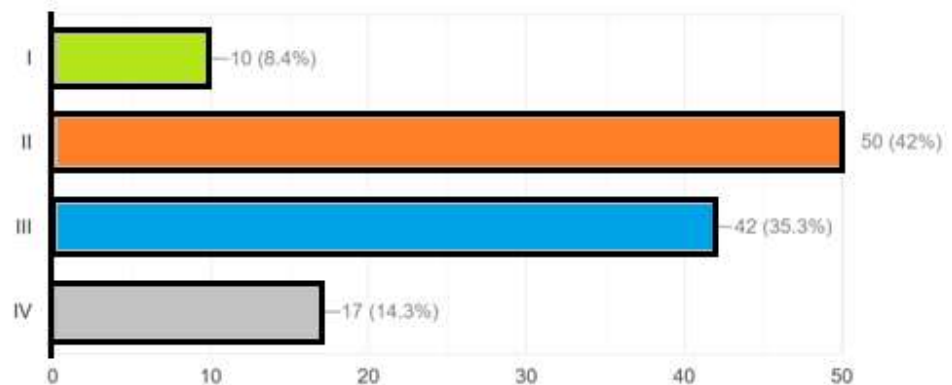
Organized By
Department of Electrical Engineering
Faculty of Engineering and Technology

Mr. Mohan Sunderarajan Iyer
General Manager
Christiani Sharpline Technical Training

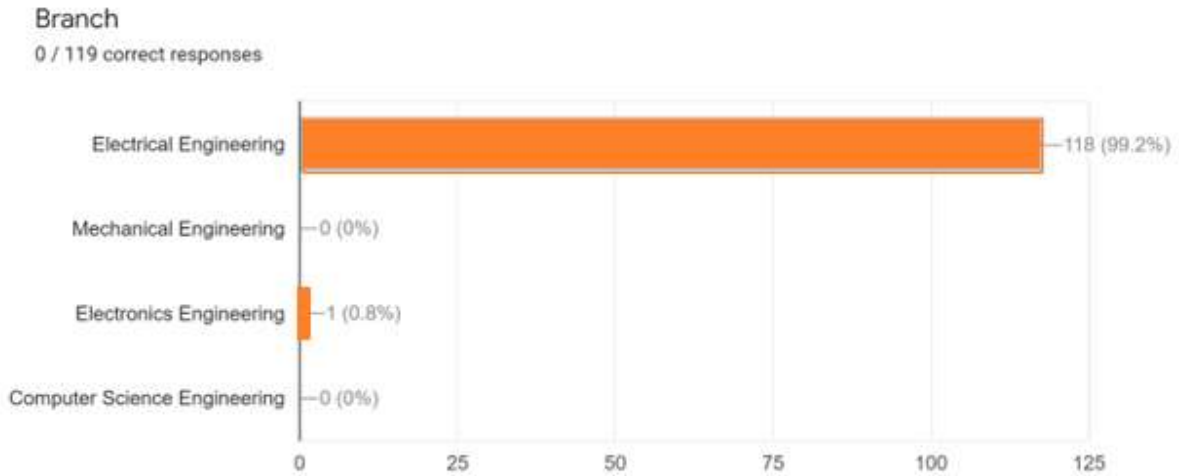
Event Poster

Year

0 / 119 correct responses



Bar graph for Year wise registration.



Bar graph for branch wise registration.

Christiani
Sharpline

Skill Development Labs

- Mechanical**
 - Manual & Machine Based
 - CNC + CAD CAM
 - Hydraulics, Pneumatics ; Welding
- Electrical/ Electronics**
 - Basic Electrical Technology; Control Engineering;
 - PLC Technology; Drives Engineering
 - Machine Safety
- Automation**
 - Mechatronics
 - Robotics
 - Sensorics
- Automotive Technology**
 - Suspensions & Brakes; Engine Technology
 - Automotive Electrics – Autotronics
 - Alternative Drive & High Voltage Systems; E- Vehicle Technology
- Renewable Energy/ Sanitation / HVAC**
 - Solar
 - Gas Technology; Bathroom Installation; Drinking Water; HVAC

Emerging Technologies

May-22 22

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Emerging Technologies

Industry 4.0



- Complete Lab On Industry 4.0 – Automation Technology
- Modules Provided –
 - Mechanical – Computer Based Teaching
 - Mechatronics Functional Models
 - Robotics – COBOT
 - PLC Technology + HMI
 - Pneumatics
 - Hydraulics
 - Sensorics (Basic, I/O Link)
 - Industry 4.0
- Upskilling Of Existing Work Force

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Benefits

Industry



The expected outcome of such training programs is that the trainees who are imparted hands on engineering and technical knowledge and operational skills will be productive from day one of their employment.

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CoE Smart Cities – Solar Technology



Learning Technologies

- Basic Solar Technology
- Solar Modules
 - Installation
 - Maintenance
- Advanced Solar Modules
 - On Grid/ Off Grid Learning

Emerging Technologies

Training Wall – Drinking Water & Waste Water Management



Emerging Technologies

Air Conditioning – Controlled Residential Ventilation



Features:

- Real building technology didactically prepared
- Compact unit (Helios) for wall mounting, with heat recovery
- Adjustable valves to adapt to the air demand of the room
- Measured value transmission via W – LAN to tablet

Learning objectives

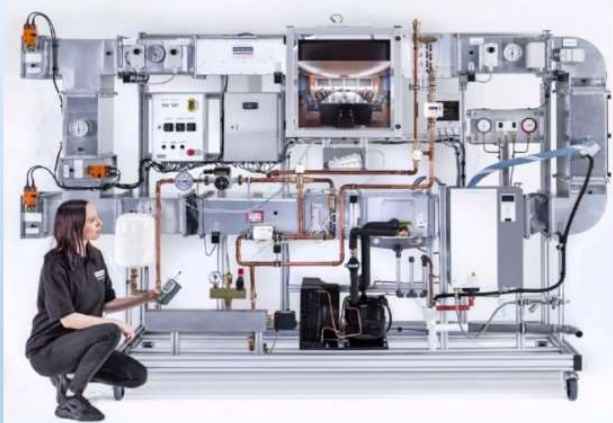
- Components + Functions
- Planning, installation, commissioning, maintenance
- Troubleshooting, measurements, optimizations, etc.

Target group

- Vocational education and training

Emerging Technologies

Air Conditioning



Features:

- Real building technology didactically prepared
- Classic duct system with bends, flaps and reducers
- 2 speed controlled fans

Learning objectives

- Components + Functions
- Planning, installation, commissioning, maintenance
- Troubleshooting, measurements, optimizations, etc.

Target group

- Vocational education and training

Emerging Technologies

Building Automation

Bio – Mass



Drinking Water



Heating Hydraulics



WILO Brain Box



Get Technology

Ray-22

E - Mobility

Training Modules – Autotronics



Ray-22

Emerging Technologies

E – Mobility



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CoE

E – Mobility / Autotronics



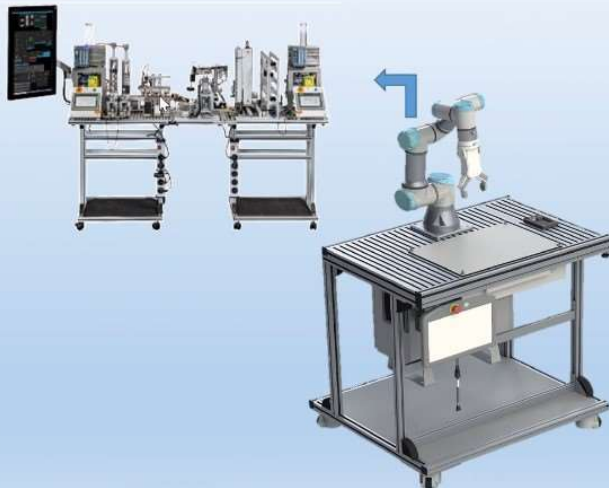
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Learning Technologies

- E – Vehicle
 - High Voltage Systems In Electric Vehicles
 - Safety Systems In E-Vehicles
- CAN BUS
- Sensors & Actuators
- Electricals – Locktronics
- Automatic Climate Control
- ABS/ EBS/ ESP
- Air Brake Systems
- Web Based Teaching Modules – Vehicle Technology

Industry 4.0

Christiani Modular Mechatronic System (mMS) – Sorting System Compact 4.0



- Stand-alone Or Integrated In Complete System
- Application Plate With For The Use Of Task Plates
- Learning Contents:
 - Commissioning And Setup Of Robots
 - Characteristics Of Robots
 - Robot Designs, Especially Articulated Arm Robots
 - Kinematics Of Articulated Arm Robots
 - Hand Guidance Of Robots
 - Teaching (Teach-in), Checking And Adjusting Of Positions
 - Safety In Robot Systems
 - Control Of External Components In Connection With A Robot
 - Path Planning (Travel Distance)
 - Collision Check

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May-22

Emerging Technologies

Air Conditioning



- Features:**
- Real building technology didactically prepared
 - Classic duct system with bends, flaps and reducers
 - 2 speed controlled fans
- Learning objectives**
- Components + Functions
 - Planning, installation, commissioning, maintenance
 - Troubleshooting, measurements, optimizations, etc.
- Target group**
- Vocational education and training

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May-22

Emerging Technologies

Building Automation

Bio – Mass



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CoE

Building Automation – HVAC & Sanitation

Learning Technologies



- Plumbing Technologies
 - Drinking Water
 - Bathroom Installation
- Gas Technology
- Heating Hydraulics
- Bio – Mass
- Air – Conditioning

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E - Mobility

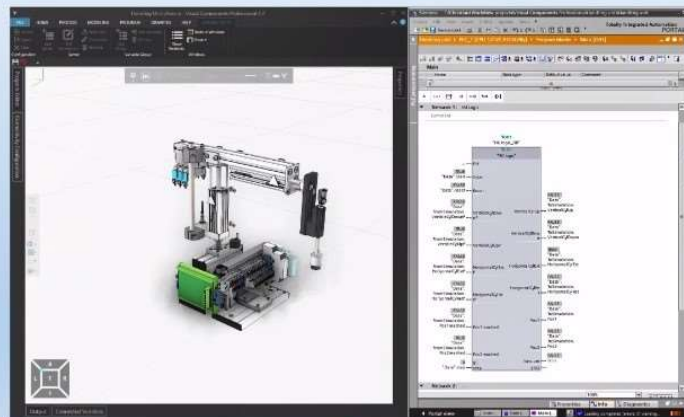
Training Modules – Autotronics



Ray-22

Industry 4.0


Digital Twin – Simulation



Ray-22


**Christiani
Sharpline**

CoE **Industry 4.0 – Automation**



Learning Technologies

- Automation – Mechatronics
- Pneumatics
- PLC + HMI + SCADA
- Sensorics – Basic & Advanced
- Robotics
- Digital Twin
- AR/ VR



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Conclusion-

The webinar was organized successfully. Thanks to our guest speaker Mr. Mohan Sunderarajan Iyer General Manager Christiani Sharpline Technical Training for wonderful presentation.