



Department of EEE, SoET



WEBINAR ON “Electric Vehicle Charging Technology”

Name of the Event	: “ Electric Vehicle Charging Technology ”
Date of the event	: 29 th April 2021
No. of attendees	: 16
Mode of the celebration	: ONLINE
Venue	: Department of EEE, CUTM, Odisha, India
Speaker	: Dr. Sudhansu Kumar Samal : Dr. Sidharth Sabyasachi (Sr. Automotive Engg in TCS)
Time	: 6.30 pm to 7.30 pm

The Department of EEE, SoET BBSR, organized a webinar on “**Electric Vehicle Charging Technology**”.

The Event was inaugurated by Honourable Director, SoET of CUTM Prof. Jagannath Padhi with his enriching inaugural speech about future mobility and the requirement of Electric Vehicle. This whole workshop was based on the overview of EV technology and recent development.

Objective:

- To understand the need for Electric Vehicles and the need for change
- To guide in implementing authorities and stakeholders on planning, authorization, and execution of EV charging infrastructure
- To Ensure a leap forward in user's confidence, functionalities and energy efficiency of future EVs.

The session was followed as:

- Electric vehicle overview
- Types of Electric vehicle
- EV in Indian market
- Electrical system in EV
- Battery types and classification
- EV charging system

Faculty members of Centurion university across all campuses have participated in this webinar.

Memorabilia:

DC Fast Charging Station

Fast chargers

Optional PV

MV grid

Isolation/step-down transformer

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GPS Map Camera

EVSE for KONA EV

DC Quick Charger (CCS Type 2)

AC Wall Box Charger

Portable Charger along with the Car - 2.8 kW

Example for setting the ICCB charge level
 The example is only for reference and may vary according to the surrounding environment.

Outlet current	ICCB charge level	Control box display window

How to Connect Portable Charger (ICCB: In-Cable Control Box)
 1. Connect the plug to a house...

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OBC Design Specifications

Electrical Characteristics

- > 1-phase/3 phase
- > Unidirectional/Bidirectional
- > Input Power
- > Input AC Voltage
- > Maximum Input AC Current
- > Inrush Current
- > AC Input Frequency
- > Power Factor at full load
- > THD (Total Harmonic Distortion) at full load
- > Maximum Output Power
- > Output DC Voltage Range
- > Maximum output DC Current

- > Storage Temperature
- > Coolant Temperature
- > Relative Humidity
- > Max. Operating Altitude
- > Protection Degree: Ingress Protection (IP)

Protection

- > Over Voltage Protection
- > Over Current Protection
- > Short Circuit Protection
- > Over Temperature Protection
- > Reverse Protection
- > Output Fuse
- > Inrush Current Protection




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Brochure:

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

CORDIALLY INVITES YOU




WEBINAR ON


" Electric Vehicle Charging Technology "

In collaboration with
 Research Center for Smart Mobility and Machines

RESOURCE PERSON

DR. SIDHARTH SABVASA CHH
 SENIOR AUTOMOTIVE ENGINEER
 TATA CONSULTANCY SERVICES (TCS)





APRIL

29

2021

TIME: 6:30 PM-7:30 PM

MODE OF CONDUCT: ON-LINE

ORGANIZED BY
 DEPARTMENT OF ELECTRICAL ENGINEERING

CONTACT PERSON

DR. SUDILANSU KUMAR SAMAL
 HEAD OF THE DEPARTMENT
 ELECTRICAL AND ELECTRONICS ENGINEERING

List of Participants

1	Dr. Chandra Sekhar Dash	Professor
2	Dr. Chinmayee Dora	Asst. Professor
3	Jagannath Padhi	Professor
4	Dr. Abhinna Chandra Biswal	Professor
5	Dr. Sudhansu Kumar Samal	Associate Professor
6	Dr. Rajendra Kumar Khadanga	Associate Professor
7	Dr. Ardhendu Mouli Mohanty	Professor
8	Dr. Ramesh Chandra Mohanty	Professor
9	Dr. Laxman Kumar Malla	Asst. Professor
10	Dr. Nitesh Dhar Badgayan	Asst. Professor
11	Prajna Paramita Debata	Asst. Professor
12	Babuli Kumar Jena	Asst. Professor
13	Dilip Kumar Mohanta	Asst. Professor
14	Dr. Kapileswar Mishra	Professor
15	Dr. Kamal Kumar Barik	Associate Professor
16	Dr. Siba Prasad Mishra	Associate Professor



Dr. Prasanta Ku. Mohanty
Dean Academic