



**CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA**  
**WORKSHOP**

on

**“Electric Vehicle Design and Assembly”**

**9<sup>th</sup> and 10<sup>th</sup> July 2021**

**Resource Person:**

**Prof. (Dr.) Prasant Kumar Mohanty,  
Dean Academics, SoET of CUTM**

**Prof. Jagannath Padhi  
Director, BBSR campus, CUTM**

No. of Participants: 104

**Organized by:** Department of EEE, SoET

**A REPORT ON “National Workshop on Electric Vehicle Design and Assembly”**

Name of the Event	: “National Workshop on Electric Vehicle Design and Assembly”
Date of the event	: 09 <sup>th</sup> and 10 <sup>th</sup> December 2021
No. of attendees	: 104
Mode of the celebration	: ON LINE
Venue	: Department of EEE, CUTM, Odisha, India
Speakers	: Dr. Sudhansu Kumar Samal : Ms. Smitanjali Rout
Time	: 2 pm to 5 pm

**Objectives:**

- To practice with both small and large rated BLDC Motor Drive system with different microcontrollers.

The Department of EEE, SoET BBSR, organized the Two-Days National Workshop on “Electric Vehicle Design and Assembly”.

The Event was inaugurated by Honourable Dean Academics, SoET of CUTM Prof. (Dr.) Prasant Kumar Mohanty with his enriching inaugural speech about future mobility and requirement of Electric Vehicle. This whole workshop was based on Hands-on practice with both small and large rated BLDC Motor Drive systems with different microcontrollers.

The Day Two Session was addressed by the Honourable Director of CUTM, BBSR campus, Prof. Jagannath Padhi.

The session was followed as:

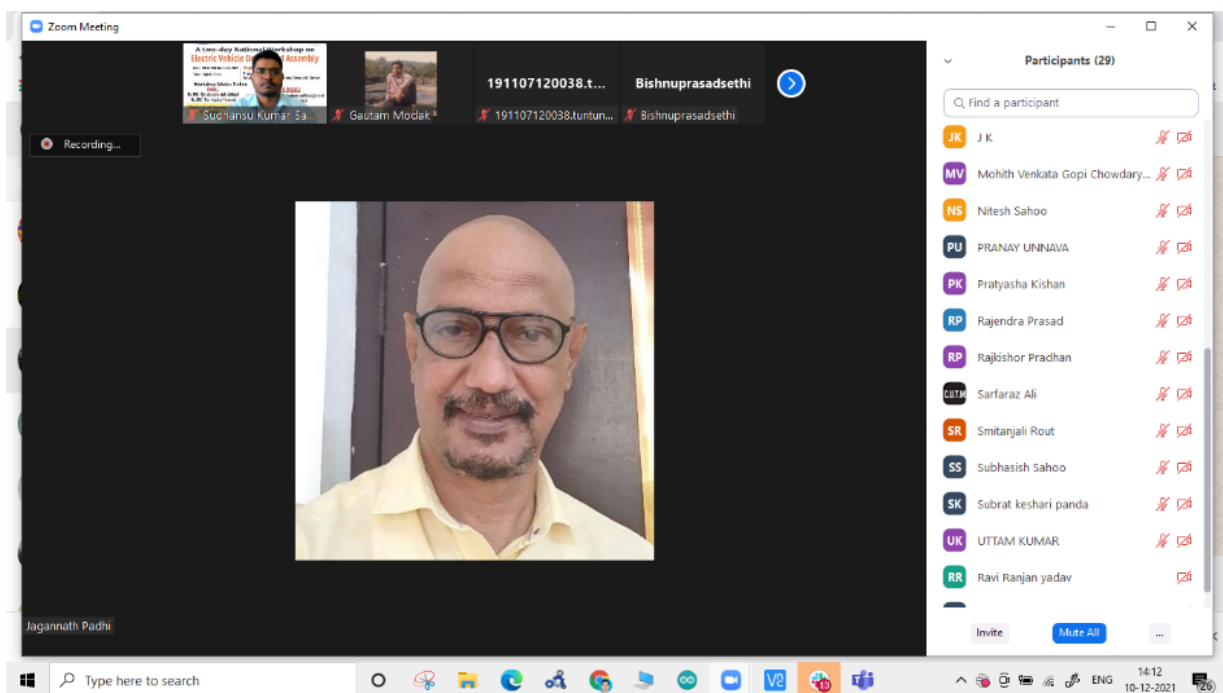
- Electric vehicle overview
- Electric vehicle parameters design
- BLDC Motor speed control with IOT

## 2nd day

- Electric vehicle components selection
- EV Simulation in MATLAB
- Electric Vehicle Workshop visit

Students, Research Scholars and faculty members of different institutions, universities across India have participated in this workshop. Students are urged to conduct this workshop again for better understanding.

## Screenshot Photographs of the event **Electric Vehicle Design And Assembly:**



Recording...

Sudhansu Kumar Sa... Smitanjali Rout Nitesh Sahoo VARANASI SAI MOULU... AVISHEK BINDHANI

Find a participant

Sudhansu Kumar... (Host, me) SR Smitanjali Rout 1 181801160002 181801161012 k. sarath AS Abhimanyu sahu AL Absolome Lakra AS Akash seghada AL Anup Lakra Ashish kumar Dash AQ Ashit Ojha AB AVISHEK BINDHANI BM Bajun Marmu B Bishnuprasadsathi BISMAY KUMAR MOHANTY

Electric Vehicle Designing

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Type here to search

Recording...

Smitanjali Rout Nitesh Sahoo VARANASI SAI... AVISHEK BINDH...

Sudhansu Kumar Sa... Smitanjali Rout Nitesh Sahoo VARANASI SAI MOULU... AVISHEK BINDHANI

Find a participant

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How does solar work with an EV?

The best time to charge is while the Sun Shines

If you will only charge at night, consider installing a Storage Battery

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Recording...

Smitanjali Rout AVISHEK BINDH... Sanjeev Toppo

Sudhansu Kumar Sa... Smitanjali Rout Ashish kumar Dash AVISHEK BINDHANI Sanjeev Toppo

Participants (41)

Find a participant

G GUNNAM VARUN HARRYPOTTER YT LM Lipta maharana L1 Lokesh 181801161011 MS MANOJ SAHA MV Mohith Venkata Gopi Chowdary... MM Monalisa Mahanta NS Nitesh Sahoo NS Nish sarjus Tigga PA Pallabi mishra PP PRAJENDRA PRASAD PU Pranay Urewa PK Prashanta Kumar Dehury PK Prayasha Kishan

INSTRUMENT REQUIREMENT FOR MAKING BATTERY PACK

- Internal resistance meter
- Charge/Discharge meter
- Capacity test meter
- Spot welding machine

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## Outcome

Participants clearly understood about the Electric vehicles and its overview. They can also able to know about the designs and simulation models in MATLAB.

## **Brochure Related to the Event**



  
Centurion  
UNIVERSITY

**WORKSHOP ON**

**ELECTRIC VEHICLE DESIGN AND ASSEMBLY**

9<sup>th</sup> and 10<sup>th</sup> July 2021

*Organized by :*

**Centurion University of Technology and  
Management**

**Resource Person**

**Prof. (Dr.) Prasant Kumar Mohanty,  
Dean Academics, SoET of CUTM**

**Prof. Jagannath Padhi  
Director, BBSR campus, CUTM**

centurion university of technology and management  
*Shaping Lives... Empowering Communities...*

## List of Participants

1	B. RAMYA KRISHANA
2	BABITA MAHAPATRA
3	JUTTU SRIHARSHA
4	PASUPUREDDY SWAROOP KUMAR
5	BINGI PABITRA REDDY
6	ALIBILLI KIRAN KUMAR
7	MADDI SRINIVASA RAO
8	K.SAI KRISHNA
9	MANOJ KUMAR PATRO
10	UPPADA JAGADISH REDDY
11	R. KRANTHI KUMAR
12	AMBALA SAI KUMAR
13	SANDAKA JAYARAM
14	DEBASISH PANDA
15	BUDITI NAGAMANI
16	MURIPINTI SHIREESHA
17	SONALI RATH
18	SASANAPURI SUNEELA
19	PRATYUSH RANJAN PADHY
20	A.MANOJ KUMAR
21	VAKA PRAVALIKA
22	AMIT KUMAR PANDA
23	JITENDRA DALABEHERA
24	P. VARUN KUMAR
25	MANS RANJAN SATAPATHY
26	ASUTOSH JENA
27	ARCHANA KUMARI PADHY
28	KONCHADA JEEVAN SAI
29	ANDAVARAPU PAVAN KUMAR
30	PRIYANKA PANDA
31	SUBHASIS TRIPATHY
32	PAILA SAI APOORVA
33	BADANA AMBICA
34	G.LAVANYA
35	DILIP SAHUKAR
36	BURLE CHARANYA
37	GYAN PRAKASH MOHARANA
38	K. ANIRUDH
39	GANESWAR RATH
40	K.ASHUTOSH BAITHARIU
41	BISWAJIT PARIDA
42	SUBHRANSU SEKHAR RATH
43	VADAVALASA RAMYA
44	KOTA CHANDRIKA
45	KEMBURI JAGADEESH NAIDU
46	BELAMARA CHAITANYA

47	B.SWAROOPA
48	P.BHANU CHANDRA NAIDU
49	P.SUARNALATHA
50	SUBHAM KUMAR DAS
51	SANDEEP KUMAR SAHU
52	LITUN GHADAI
53	AMAR KUMAR
54	SUMAN DANDAPAT
55	ABHIJIT SAMANTA
56	SMRUTI RANJAN SATPATHY
57	ABINASH PRADHAN
58	RITESH KUMAR NAHAK
59	DEEPAK KUMAR SAHU
60	SIBIL SARJAM SOREN
61	DUVVADA SAI KRISHNA
62	PRABIN KUMAR CHOUDHURY
63	RITESH KUMAR TARAI
64	M. RAMAKRUSHNA
65	SUMEET KUMAR SINGH
66	ASHUTOSH DASH
67	MOJJADA MORARJI
68	DEVADI ESWARA RAO
69	CHALLA PRADEEP KUMAR
70	KOTRA SAI DINESH
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104	KEMBURI JAGADEESH NAIDU



FDP coordinator



Dr. Prasanta Ku. Mohanty  
Dean Academic