




**Centurion  
UNIVERSITY**

*Shaping Lives...  
Empowering Communities...*

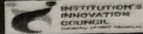
Brochure for EEE\_Technical class 4



1 Day Workshop on

**E-Vehicles: Design Concepts to Industrial Products**

23 April 2022



Electric Vehicles (EVs) are more energy efficient and pollution less. Various alternate powertrain technologies are available today such as Hybrid Electric Vehicle, Plug-in Hybrid Electric Vehicle, Battery Electric Vehicle, etc. The total global demand of electric vehicle is expected to rise at a Compound Annual Growth Rate (CAGR) of 18-30% in coming decade. A comprehensive workshop is essential for discussing the issues related to deployment of EVs and its associated technologies.






**About the Workshop:**  
EVDICP-2022 will cover a range of topic related to smart electric vehicles. The following topics will be covered by the distinguished speakers:

- E-Vehicles @ CUTM - A Festinate Journey
- Lightweight E-Vehicles - Design Challenges
- E-Vehicles for Automobiles
- Exciting Times for Engineers - Electric Vehicles
- Overview of Vehicle Dynamics and Control
- Simulation for Electric Vehicle Ecosystem

**About CUTM:**  
Centurion University has both built and participated in building eco-systems that include and integrate the community around it's campuses and beyond, industry, entrepreneurs and other education institutions. Its education and training delivery approach is:

- Skill Integrated and Employability Linked Teaching/Learning Process
- Focuses/Leverages Industry and Community Partnerships
- Creates/co-creates Enterprises

**Distinguished Speakers:**

			
Mr. S.A. Sundarasan Ashok Leyland, Chennai	Prof. D.N. Rao, VP, CUTM	Prof. Anindya Deb, IISc Bangalore	Mr. Saurabh Chandra, Ati Motors, Bangalore
			
			Prof. Shankar Ram, IIT Madras

**Organizers:**  
Prof. Radhakant Padm, Honorary Provost, CUTM  
Prof. Sudhansu Kumar Samal, HoD, EEE, CUTM  
Prof. Ramesh Chandra Mohanty, ME, CUTM

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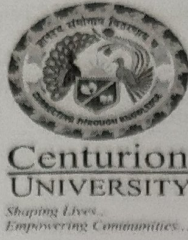
centurion university of technology and management  
*Shaping Lives... Empowering Communities...*

*S. S. Saha*



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Attendance for EEE\_Technical class 4(22<sup>nd</sup> April)

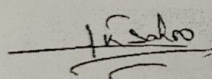

Sl.No.	Name of Students	Students Reg No.	Date
			28th Nov
1	SWATI RITUPARNA	190705170001	P
2	SWORNA PRAVA BISWAL	190705170002	P
3	SASMITA SAMAL	190705170003	P
4	HARIPRIYA DEHURY	190705170004	P
5	SARBESWAR BEHERA	190705170005	P
6	PRIYANKA PRIYADARSANI PATI	190705170006	P
7	MONALISHA KAR	190705170007	P
8	TARASANKAR PATTANAİK	190705170008	P
9	TWINKLE PRADHAN	190705170009	P
10	SWATI SUMIT ROUT	190705170010	P
11	ARPITA DASH	190705170011	P
12	BATYA BIJAYINI	190705170012	P
13	USHASHEE MANDAL	190705170013	P
14	SUTAPA SUDIPTI PRADHAN	190705170014	P
15	SOMANATH ROURTRAY	190705170015	P
16	SABHYATA SAMBIT SAMAL	190705170016	P
17	KRISHNA KUMARI JASHMUKH	190705170017	P
18	MANISHA DASH	190705170018	P
19	BHAGYALAXMI SWAIN	190705170019	P
20	SUSHREE LIPSA MEHER	190705170020	P
21	SARINA SENAPATI	190705170022	P
22	BHAGYAJYOTI BARAL	190705170023	P
23	SWATI SUCHARITA	190705170024	P
24	BAIJAYANTI PAIKARAY	190705170025	P
25	JAYANTI PAIKARAY	190705170026	P



26	SWATISOUMYA SAHOO	190705170028	P
27	SULAGNA SINGHDEO	190705170029	P
28	PRIYANKA PRIYADARSHINI PRADHAN	190705170030	P
29	SONALIKA DAS	190705170031	P
30	AMRITA GARNAYAK	190705170032	P
31	MOUSUMI TRIPATHY	190705170033	P
32	SHEETISWAPNA NAYAK	190705170034	P
33	PRATIBHA NAIK	190705170035	P
34	SUBHALAXMI CHOUDHURY	190705170036	P
35	DEVEESMITA NANDY	190705170037	P
36	UDIT NARAYAN BAIDYA	190705170038	P
37	NIRANJAN NAYAK	190705170039	P
38	LISHA RANI ROUT	190705170040	P
39	ANWESHA PANIGRAHI	190705170041	P
40	RAJALAXMI BAHINIPATI	190705170042	P
41	SONALI SUCHARITA JENA	190705170043	P
42	MONALISA DHALL	190705170044	P
43	SHRABANI SAPTASCHARYI	190705170045	P
44	ABHIPSA MISHRA	190705170046	P
45	SMRUTIREKHA DASH	190705170047	P
46	SANGEETA MOHAPATRA	190705170048	P
47	SWAGAT KUMAR MALLICK	190705170049	P
48	SONALI PANDA	190705170050	P
49	KRISHNAKAJAL ROUT	190705170051	P
50	KRISHNA PRIYADARSHINI	190705170052	P
51	ATISHA MOHAPATRA	190705170053	P
52	SAGAR KUMAR PANIGRAHI	190705170054	P
53	PRANGYA SAHOO	190705170055	P
54	JYOTIKIRAN RAY	190705170056	P
55	MONALISA PANDA	190705170057	P
56	SMARANIKA MOHAPATRA	190705170058	P
57	LIPSA DAS	190705170059	P

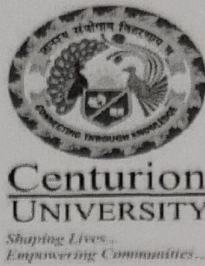


58	MEENAVALI MURALI KRISHNA	190705170060	P
59	BANDANA MISHRA	190705170062	P
60	UJJWAL NAIK	190705170063	P
61	NIKITA EKKA	190705170064	P
62	SULAGNA MOHANTY	190705170065	P
63	L STHITIPRANGYA	190705170066	P
64	SUCHISMITA SAHOO	190705170067	P
65	PRAJNYA PRABHA JENA	190705170068	P
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67	MADHUSMITA NAIK	190705170070	P
68	SAMBIT BEHERA	190705170071	P
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70	PRIYANKA KAR	190705170073	P
71	SRADHA SUMAN NAYAK	190705170074	P
72	SAGARIKA BISWAL	190705170075	P
73	LOPAMUDRA HATI	190705170076	P
74	AMRITA PRITAM SAHOO	190705170077	P
75	RUTUPARNA BAG	190705170078	P
76	SHIBANI PRADHAN	190705170079	P
77	MAHIMA BEHURA	190705170080	P

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Report for EEE\_Technical class 4

Event Name:

**One Day workshop on E-Vehicles: Design Concepts to Industrial Products-**

Year of Event:

**22<sup>nd</sup> April 2022**

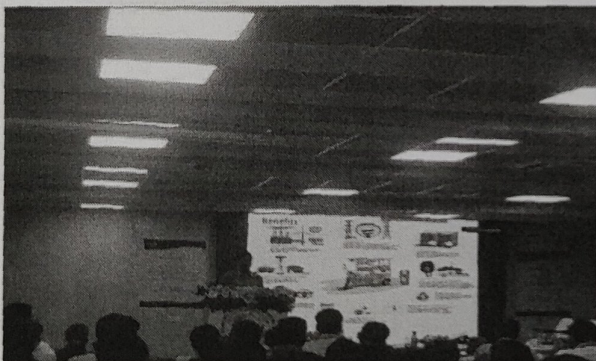


Figure 32 EEE\_Technical class 4

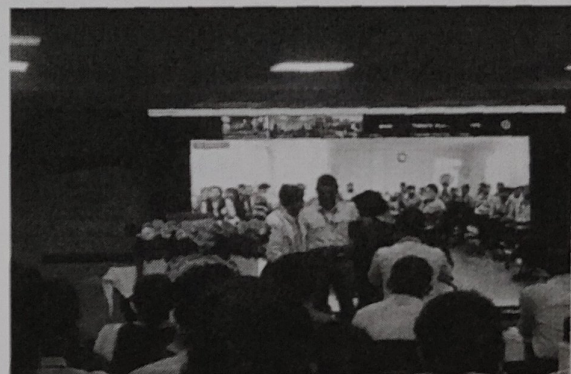


Figure 33 EEE\_Technical class 4

A One Day Workshop on E-Vehicles: Design Concepts to Industrial Products was organized by the **School of Engineering and Technology**, Centurion University of Technology and Management, Odisha on 22<sup>nd</sup> April 2022. The Program is inaugurated by the Honorary Provost Prof. Radhakant padhi followed by the Vice-chancellor, Prof. Supriya Pattnaiak, President, Centurion University, Prof. Mukti kanta Mishra, Hon'ble Chief Guest, Mr. T Sasikumar (VP-HR, Ashok Leyland) and Vice precedent, Prof. D.N. Rao.

In this Occasion **Prof. D.N. Rao** (Vice precedent, CUTM) shared his views on EV technology constraints in India. He also emphasises the make in India prospective of EV parts. He also mentioned, how from one from single EV by 2017, the Centurion University now become one of the leading E-Rickshaw Designer and Manufacturer in Odisha. We are now deal with Tata E-Rickshaw, OMFED as well as Outside India vendors. He also mentions how students can be



about ready to market and go to market by incubation of Academics with industry. His real aim is to make the centurion not only an academic centre but areal innovation hub with ideas. Speaker from IISc, Bangalore, Prof. Anindya Deb share his idea about Lightweight E-Vehicles - Design Challenges. Speaker from

Industry (ATI Motors, Bengaluru) Mr. Saurabh Chandra share his product ideas on E-Vehicles for Autonomy for Autonomous vehicles and also demonstrate some live examples to the participants. Next, to him Mr. S.A. Sundaresan (Ashok Leyland, Chennai) explained about the statistical analysis of market for EV in India. and how the leading organizations works to achieve the target range on EV. Also discussed about the various aspects of EV designing from bottom to top approach. Prof. Shankar Ram (IIT Madras, Chennai) nicely explained about the control aspects of EV with details mathematical modelling. He also explained overall Vehicle Dynamics and Control of EV. Expert from Dassault Systemes, Bangalore, Mr. Ranjit Gopi explained about the Simulation environment available for EV designing with Detail Battery Design using Dassault Simulia and Dymola. Prof. Radhakant Padhi conveyed his final concluding remarks on Workshop. Professors and Students from Various campus (Bhubaneswar, Paralakhemundi and Vizag) attend this seminar at their campus. Participants from other university and Industries also attended this seminar in virtual mode. Prof. Madhumita Das, School of Management, hosted this event and Prof. Radhakant padhi, Prof. Sudhansu Kumar Samal, HOD, EEE and Prof. Ramesh Chandra Mohanty, Professor, Mechanical organized this event.

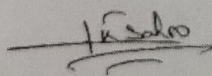

Name of Organizer with Details:

**Name: Dr. Sudhansu Kumar Samal, HOD, EEE, CUTM, Odisha, IndiaE-**

**Mail: sudhansu.samal@cutm.ac.in**

**Mobile: 9778118876**

**Dr. Ramesh Chandra Mohanty, ME, CUTM**

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