



Centurion
UNIVERSITY

Shaping Lives...
Empowering Communities...

Workshop on Empowering the Future: Electric Vehicles and IoT

Conducted by

**Centurion University of Technology and Management,
Bhubaneswar Campus
&
Centre for Smart Engineering Application**

Event

Workshop on Empowering the Future: Electric Vehicles and IoT

Date

12 September 2024

Time

10.00 AM to 5 PM (IST)

Venue

Hall No. 6 (Aryabhata building), CUTM, Bhubaneswar Campus

Event Coordinators

Prof. Swarna Prabha Jena,

Department of ECE, SoET,
CUTM, Bhubaneswar Campus,

Dr. Sudhansu Kumar Samal

HoD, Department of EEE, SoET,
CUTM, Bhubaneswar Campus

Dr. Satyasis Mishra,

Dean SGD, Department of ECE,
SoET, CUTM, Bhubaneswar
Campus

No. of Attendees

170 Students

1. Overview

On September 12, 2024, the School of Engineering and Technology, in collaboration with the Smart Engineering Applications Research Center at Centurion University of Technology and Management (CUTM), Odisha, conducted a one-day workshop titled “Empowering the Future: Electric Vehicles and IoT.” The workshop was held in a hybrid format, attracting 170 participants from the ECE, EE, Aerospace, and CSE departments who attended in person.

The event commenced at 10 AM with an inaugural address by Dr. Biswajit Mishra, Pro Vice Chancellor of CUTM, followed by remarks from Prof. Jagannath Padhi, Director of CUTM. The inauguration was attended by Dr. Sujata Chakravarty, Dean of the School of Engineering and Technology at the Bhubaneswar Campus, Dr. Harish Chandra Mohanta, HOD ECE and CEO of Smart Engineering Applications Research Center, the event coordinators, and students from various disciplines.

The workshop, organized by BISD, Hyderabad, focused on the latest advancements in Electric Vehicles and the Internet of Things (IoT), and was well-received by participants and technical experts alike. Please see the attached flex for more details about the event.



Workshop on
EMPOWERING THE FUTURE:
ELECTRIC VEHICLES AND IOT

Date: 12th September 2024 **Time:** 10:00 AM - 5:00 PM
Venue: Hall No. 6, Aryabhata Building, CUTM, Bhubaneswar

Resource Persons


Dr. Mahesh Patil
MD BISD


Dr. K. Surya Venkata Phani Kumar
Co-Founder, BISD


Mr. Rohith Gundapaneni
Co-Founder, BISD

About the Workshop:

- Electric vehicle (EV) and Internet of Things (IoT) integration has emerged as a focal point in the global movement towards smart and sustainable technology.
- The goal of the workshop is to help attendees fully grasp the nature of these revolutionary technologies, including the opportunities, threats, and trends they face today.
- It provides the opportunity for students to explore cutting-edge advancements in Electric Vehicles (EVs) and the Internet of Things (IoT).

Organized by:
SCHOOL OF ENGINEERING AND TECHNOLOGY




In Association with:
CENTER FOR SMART ENGINEERING AND APPLICATIONS



Organizers:
Dr. Sudhansu Kumar Somal (HoD EEE)
Mrs. Swarnaprabha Jena (Asst. Prof. ECE)
Dr. Satyasis Mishra (Dean SDG)

Centurion University of Technology and Management, Odisha
CAMPUSES: Paralakhemundi | Bhubaneswar | Rayagada | Balangir | Balasore | Cuttack

2. Resource Person

Let me Introduce Our Expert team members who have shared their knowledge with the students on the event both physically and Online:

Resource Person's Photo	Resource Person's Name	Resource Person's Introduction
	Dr. Mahesh Patil, MD, BISD (On-site Speaker)	With over 25 years of experience in technology and a pioneering role in India's first electric bike venture, Dr. Patil's expertise in Sensors & IoT, Electric Vehicles, and energy systems will provide invaluable insights. His leadership in Agile/Lean methodologies and Cloud-based architectures will be a highlight of the workshop.
	Dr. K. Surya Venkata Phani Kumar, Co-Founder, BISD (Online Speaker)	Renowned for his work in sustainable technologies, Dr. Kumar's proficiency in MATLAB, microcontrollers, and autonomous vehicle design will drive discussions on innovative solutions and smart systems.
	Mr. Rohith Gundapaneni, Co-Founder, BISD (Online Speaker)	With over two and a half decades of experience in Engineering, IT, and global sales, Mr. Rohith will share his leadership and career development expertise, emphasizing value creation and strategic planning.

	<p>Mr. Suraj Singh Rajput, Founder OneIoT (Online Speaker)</p>	<p>He is an expert in IoT and developed a platform for visualizing the remote platforms.</p>
	<p>Mr. Neeraj Chaturvedi, Co-Founder Firewires OneIoT (Online Speaker)</p>	<p>He is an expert in IoT and developed a platform for visualizing the remote platforms.</p>

3. About the Event

A special welcome to our esteemed guests from BISD, whose visit marks an exciting opportunity for all of us. As students, you are at the forefront of the next wave of technological innovation. The fields of Electric Vehicle technology and the Internet of Things are not just buzzwords—they are the future. And today, we have the privilege of learning from the experts who are driving this future forward. BISD's mission is to empower individuals with the knowledge and skills needed to excel in these rapidly evolving areas. This aligns perfectly with our university goal to succeed and lead your future careers.

This event is a unique chance to gain insights into these cutting-edge industries, ask questions, and explore how you can be part of this exciting technological revolution. So, everyone was curious, engaged actively, and took full advantage of this opportunity.

4. Activities and Interaction

The event aims to foster a more inclusive, equitable, and innovative technology sector, empowering students to reach their full potential and make meaningful contributions to advancing technology and society. Through engaging activities and discussions, we seek to create an environment that encourages collaboration, creativity, and the sharing of diverse perspectives, ultimately driving progress in the tech industry for all. The event consists of the following-

- Simple presentation by experts on EV
- Presentation by an expert on IoT
- Brainstorming and mapping by asking questions

5. Learning Outcomes

The workshop titled “Empowering the Future: Electric Vehicles and IoT” offered a dynamic platform for students to delve into the integration of innovative technologies and sustainable practices. Through a combination of expert-led presentations and interactive activities, participants gained critical insights into the fields of electric vehicles and the Internet of Things. The following learning outcomes were established to facilitate a comprehensive understanding of the subject matter and to equip students with the skills necessary to address future challenges in these rapidly evolving domains:

- **Comprehension of Electric Vehicle Technologies:** Participants will develop a thorough understanding of the fundamental principles and components of electric vehicles, including their design and operational mechanisms.
- **Insights into IoT Applications:** Attendees will gain knowledge of the applications of the Internet of Things in enhancing electric vehicle functionality, with a focus on data collection and real-time monitoring.
- **Integration of Technologies:** Students will learn how to effectively integrate electric vehicle and IoT technologies to create innovative solutions for smart transportation and urban mobility.
- **Awareness of Industry Trends:** Participants will become familiar with current trends and innovations within the electric vehicle and IoT sectors, identifying potential career opportunities.
- **Enhanced Problem-Solving Skills:** Through interactive discussions and hands-on activities, students will improve their critical thinking and problem-solving abilities, particularly in addressing real-world challenges.
- **Collaboration and Networking Opportunities:** The workshop will facilitate collaboration among participants and industry experts, fostering valuable networking connections that support future professional development.
- **Understanding of Sustainable Practices:** Participants will recognize the significance of sustainable practices in technology development, particularly regarding the environmental impact of electric vehicles.

- **Practical Application of Knowledge:** Students will explore practical applications and case studies that illustrate the impact of electric vehicles and IoT across various sectors.

These learning outcomes are designed to equip participants with the knowledge and skills necessary to make meaningful contributions to the evolving fields of electric vehicles and IoT.

Conclusion

In conclusion, the workshop “Empowering the Future: Electric Vehicles and IoT” successfully provided students with a robust understanding of the critical intersection between innovative technologies and sustainable practices. By engaging with industry experts and participating in hands-on activities, attendees were equipped with valuable knowledge and skills relevant to the evolving landscape of electric vehicles and the Internet of Things. The established learning outcomes not only addressed current technological advancements but also emphasized the importance of sustainability and collaboration in shaping the future of these fields. As participants move forward in their academic and professional journeys, they are now better prepared to contribute meaningfully to the advancement of technology and its positive impact on society.

Event Snapshots:









CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR, ODISHA








Workshop on

EMPOWERING THE FUTURE: ELECTRIC VEHICLES AND IOT

Date: 12th September 2024 **Time: 10:00 AM - 5:00 PM**

Venue: Hall No. 6, Aryabhata Building, CUTM, Bhubaneswar

Organized by:
SCHOOL OF ENGINEERING AND TECHNOLOGY

In Association with:
CENTER FOR SMART ENGINEERING AND APPLICATIONS

CAMPUSES: Paralakhemundi | Bhubaneswar | Rayagada | Balangir | Balasore | Chatrapur

Participants Attendance:

"Empowering the Future: Electric Vehicles and IoT"
Attendance Sheet
Date: 12/11/24

Sl.No	Students Name	Registration Number	Signature	Department
1	Arun Kumar Gupta	210301150007	EEE	EEE
2	Pratik Sahoo	210301150002	EEE	EEE
3	Anil Kumar Jena	210301150001	EEE	EEE
4	Sandeep Kishoraki	220301150009	ECE	ECE
5	Rupa Pradyip Sahoo	220301150011	ECE	ECE
6	Mausam Mohanta	220301150009	ECE	ECE
7	Rohit Jambhulkar	220301150022	ECE	ECE
8	Bishnu Pradyip Sahoo	220301150010	ECE	ECE
9	Srijantra Sahoo	220301150002	ECE	ECE
10	Rishabh Sahoo	220301150012	ECE	ECE
11	Deepan Kumar Bisoi	220301150009	ECE	ECE
12	Ashwini	220301150009	ECE	ECE
13	C Sanyal	220301150003	ECE	ECE
14	Sanghita Sahoo	220301150013	ECE	ECE
15	Shivani Sahoo	220301150006	ECE	ECE

Sl.No	Students Name	Registration Number	Signature	Department
16	Suryakant Jena	230301150005		
17	Hitesh Raj Jena	230301150026	ECE	ECE
18	Nikhil Kumar Patra	230301150015	ECE	ECE
19	G-Rudra Narayan Patra	230301150025	ECE	ECE
20	Abhishek Sahoo	230301150018	ECE	ECE
21	Bhresh K. Sahoo	230301150023	ECE	ECE
22	Srushtikanta Das	230301150009	EEE	EEE
23	Mehul Rout	230301150019	ECE	ECE
24	Anshu Das	230301150012	EEE	EEE
25	Ayush Anish Perida	230301150019	EEE	EEE
26	Pradyumn Kumar Pradhan	230301150022	ECE	ECE
27	Toshu Choudhary	230301150011	EEE	EEE
28	Dheeraj Kumar Jena	230301150007	Civil	Civil
29	Sanku Saha	230301150005	EEE	EEE
30	Jyoti Pradyip Das	230301150006	EEE	EEE
31	Rajni Ranjan Maharana	230301150012	EEE	EEE
32	Subhanshu Mishra	230301150003	EEE	EEE
33	Shivam Kumar	230301150022	EEE	EEE

Sl.No	Students Name	Registration Number	Signature	Department
34	Arij Gupta	210301150007	EEE	EEE
35	Sonal Kumar Pradhan	220301150008	EEE	EEE
36	Adarsha Pradhan	220301150016	EEE	EEE
37	Chinmay Bhuyan	220301150021	EEE	EEE
38	Ayush Kumar Pandey	220301150008	EEE	EEE
39	Nabin Pradyip Saha	210301150007	EEE	EEE
40	Anjan Mahapatra	210301150010	EEE	EEE
41	Rishi Pradyip Sahoo	210301150001	EEE	EEE
42	Sourav Rout	210301150013	EEE	EEE
43	Chinmay Das	210301150011	EEE	EEE
44	Sourav Mondal	210301150015	EEE	EEE
45	Rudra Kumar	210301150018	EEE	EEE
46	Narayan S. Saha	220301150003	Aero	Aero
47	M. Lokeshwar Singh	220301150002	Aero	Aero
48	Nishu Kumar Mishra	220301150009	Aero	Aero
49	Anshu Mahapatra	220301150005	Aerospace	Aerospace
50	Anshu Mahapatra	220301150009	Aerospace	Aerospace
51	Silpani Das	220301150003	Aerospace	Aerospace

Sl.No	Students Name	Registration Number	Signature	Department
52	Ronit Nayak	220301150006	Aerospace	Aerospace
53	Anshu Saha	220301150004	Aerospace	Aerospace
54	M. Harshit Hitesh	220301150006	Aerospace	Aerospace
55	Nabasin Rout	220301150032	Aerospace	Aerospace
56	Ashutosh Panda	220301150005	Aerospace	Aerospace
57	Anindita Sarangi	220301150023	Aerospace	Aerospace
58	Chandra Mohan Kishor	220301150030	Aerospace	Aerospace
59	Manjeet Hembram	220301150008	Aerospace	Aerospace
60	S David Ashish	220301150034	Aerospace	Aerospace
61	Sanjay K. Pradyip	220301150014	Aerospace	Aerospace
62	Tanmay Das	220301150015	Aerospace	Aerospace
63	Taranam Krishna Saha	220301150006	Aerospace	Aerospace
64	Milon K. Behera	220301150016	Aerospace	Aerospace
65	Krishna N. Nayak	220301150005	Aerospace	Aerospace
66	Anant Pradyip	220301150018	Aerospace	Aerospace
67	Majeet Pradyip Saha	220301150018	Aerospace	Aerospace
68	Sanghita Sahoo	220301150003	Aerospace	Aerospace
69	Mukhi Ranjan Saha	220301150009	Aerospace	Aerospace

Sl.No	Students Name	Registration Number	Signature	Department
70	Krishna J. Pradhan	230301150001	Aerospace	Aerospace
71	Shalabhajit Saha	230301150001	Aerospace	Aerospace
72	Anshu Rout	230301150009	Aerospace	Aerospace
73	Madhurita Pradhan	230301150001	Aerospace	Aerospace
74	Pradyumn K. Pradhan	230301150002	Aerospace	Aerospace
75	Subhanshu Saha	220301150005	Aerospace	Aerospace
76	Sanku Pradyip	220301150018	Aerospace	Aerospace
77	Dimpal Nayak	220301150007	Aerospace	Aerospace
78	Anshu Saha	220301150001	Aerospace	Aerospace
79	Anshu Saha	220301150012	Aerospace	Aerospace
80	Anshu Saha	220301150001	Aerospace	Aerospace
81	Chandan Majhi	220301150007	Aerospace	Aerospace
82	Sandeep Kumar Saha	220301150007	Aerospace	Aerospace
83	Sanku Saha	220301150008	Aerospace	Aerospace
84	Deepak Pradyip Saha	210301150017	ECE	ECE
85	Rohit Raj	210301150001	ECE	ECE
86	N. Pradyip	210301150005	ECE	ECE
87	Rohan Kumar	220301150006	ECE	ECE

Sl.No	Students Name	Registration Number	Signature	Department
88	A.P. Pradyip Pradhan	210301150009	ECE	ECE
89	Gadde Anshu	210301150016	ECE	ECE
90	Sunithi Kumari	210301150018	ECE	ECE
91	B. Kumar Gaurav	210301150017	ECE	ECE
92	Bhanu Pradyip Singh	210301150011	ECE	ECE
93	Pradyip Pradyip	220301150001	ECE	ECE
94	Anshu Pradyip	220301150013	ECE	ECE
95	Surya Pradyip Saha	220301150011	ECE	ECE
96	Udayan Mishra	210301150014	ECE	ECE
97	Ch. Subhasish Saha	220301150001	ECE	ECE
98	Jaganmoh Saha	220301150002	ECE	ECE
99	Sanghita Pradyip	220301150001	ECE	ECE
100	Biswajit Pradyip	220301150002	ECE	ECE
101	Bhuvan Saha	220301150007	ECE	ECE
102	Rohan Pradyip Saha	210301150010	ECE	ECE
103	Sanku Pradyip	220301150001	ECE	ECE
104	Kaushik Pradyip	220301150013	ECE	ECE
105	Pradyip Pradyip Saha	220301150011	ECE	ECE

Sl.No	Students Name	Registration Number	Signature	Department
106	Udayan Pradyip Saha	220301150013	ECE	ECE
107	Ashwini Saha	220301150001	ECE	ECE
108	Biswajit Pradyip	220301150008	ECE	ECE
109	Shyamant Kumar Raj	220301150016	ECE	ECE
110	Pradyip Pradyip	220301150011	ECE	ECE
111	Pradyip Pradyip	220301150007	ECE	ECE
112	Tanmay Pradyip	220301150006	Civil	Civil
113	Deepak Pradyip Saha	220301150016	ECE	ECE
114	Pradyip Pradyip	220301150011	ECE	ECE
115	Subhanshu Pradyip Saha	220301150005	ECE	ECE
116	Pradyip Pradyip Saha	220301150006	ECE	ECE
117	Pradyip Pradyip Saha	220301150014	ECE	ECE
118	Sanku Pradyip	220301150016	CSE	CSE
119	Subhanshu Pradyip Saha	220301150007	CSE	CSE
120	Nikhil Kumar	220301150007	CSE	CSE
121	Nikhil Pradyip	220301150013	CSE	CSE
122	Sanghita Pradyip	220301150003	CSE	CSE
123	Pradyip Pradyip Saha	220301150005	CSE	CSE

Sl.No	Students Name	Registration Number	Signature	Department
124	Hitesh Pradyip Saha	220301150009	CSE	CSE
125	Pradyip Pradyip Saha	220301150007	CSE	CSE
126	Pradyip Pradyip Saha	220301150001	CSE	CSE
127	Pradyip Pradyip Saha	220301150001	CSE	CSE
128	Pradyip Pradyip Saha	220301150001	CSE	CSE
129	Pradyip Pradyip Saha	220301150001	CSE	CSE
130	Pradyip Pradyip Saha	220301150001	CSE	CSE
131	Pradyip Pradyip Saha	220301150001	CSE	CSE
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150	Sanku Pradyip Saha	210301150006	EEE	EEE
151	Kaushik Pradyip Saha	220301150001	EEE	EEE
152	Pradyip Pradyip Saha	220301150001	EEE	EEE
153	Pradyip Pradyip Saha	220301150001	EEE	EEE
154	Pradyip Pradyip Saha	220301150001	EEE	EEE
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170	Pradyip Pradyip Saha	220301150001	EEE	EEE