



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



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AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering  
in association with  
AVIT Alumni Association

**Cordially invites you all for the Alumni Guest Lecture on**

# Different Drive System in Automobile and Career Scope



02<sup>nd</sup> July 2022



11.00 a.m.



Platform : MS Teams



**Resource Person**

**Mr. Anil Chourasia**  
Senior R&D Engineer,  
Daimler AG (Mercedes Benz)  
(Alumni – EIE Department – Batch : 2009 - 2013)

**In the presence of**

**Dr. G. Selvakumar**  
Principal, AVIT  
**Dr. L. Chitra**, HoD, EEE

**Event Coordinators**

**Mr. S. Prakash**, AP (Gr-II), EEE  
**Ms. P. Poornima**, AP (Gr-II), EEE

## Report on Alumni Guest Lecture on Different drive system in automobile and career scope

Date: 02.07.2022

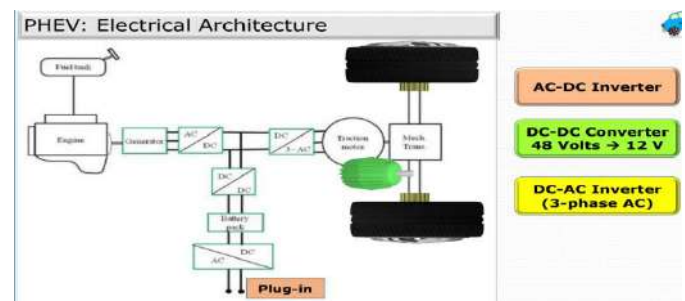
Time: 11.00am

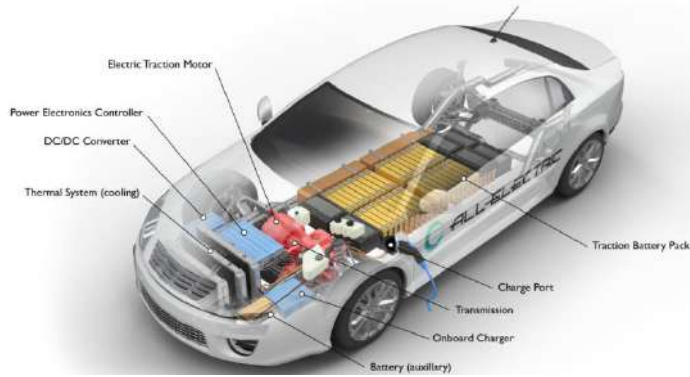
Webinar Platform: Microsoft Teams

The Department of Electrical and Electronics Engineering in association with AVIT Alumni Association organized a Guest Lecture on Different drive system in automobile and career scope . The resource person of the day was Mr.Anil Chourasia, Senior R& D Engineer , Daimler AG (Mercedes Benz) and an Alumni of Electronics and Instrumentation Engineering belonging to the Batch 2009-13. The guest lecture started with a warm welcome and introduction of the guest by Dr.L.Chitra ,HOD/ EEE.

The resource persons shared his views and ideas about

- Electrical Distribution Systems
- Vehicle design considerations
- PHEV electrical architecture
- Key Components of an All-Electric Car
- Gen H2 Mercedes Benz Truck
- Hybrid Electric vehicle
- Key Components of a Plug-In Hybrid Electric Car
- Classification of HEV, Hydrogen fuel cell electric vehicle
- Concept of Charging Power Levels
- Fuel Cell powered Vehicle
- Key Components of a Hydrogen Fuel Cell Electric Car
- Fuel cell and its types
- Challenges in fuel cell
- Career scope in automobile

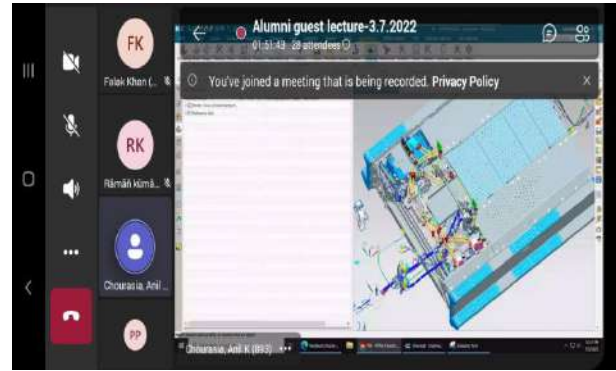




GEN H2 – Mercedes Benz Truck



- Range : 1000kms
- 2 fuel cell stacks of 150kw each
- Hydrogen stored in cryogenic form at -253 degree Celsius
- Gross weight - 40 tons
- Max payload - 25 tons
- 2 H2 tanks of 40 Kgs each



The Session was attended by all the students and the Faculty members of the Department of Electrical and Electronics Engineering and Mechatronics Engineering. The session ended with the vote of thanks.

**List of Participants for the Alumni Guest Lecture on  
Different drive system in automobile and career scope**

<b>S.No.</b>	<b>Name</b>	<b>Particulars (Year / Branch)</b>
1	CHITRA L	Faculty
2	BOOPATHY K	Faculty
3	POORNIMA P	Faculty
4	RATTAN KUMAR V	Faculty
5	KAVITHA KUMARI K.S	Faculty
6	SARANYA D	Faculty
7	PARVATHI SANGEETAA	Faculty
8	CHITRA L	Faculty
9	KARTHIKEYAN.D	III / EEE
10	FALAK KHAN	III / EEE
11	RĀMĀÑ KŪMĀR	III / EEE
12	BISHAL TIWARI	III / EEE
13	ERIC SAM ZACHARIAH	IV / EEE
14	SAHAL CM	IV / MECT
15	RSP BALAJI	IV / EEE
16	ZAHID MUNEER	III / EEE
17	PONRAJ M	III / MECT
18	ANIRUDH CT	III / MECT
19	ABDUL RAHMAN SHIKE	III / EEE
20	PRASATH	III / MECT
21	MAHIDHAR REDDY	IV / EEE
22	AJIT KUMAR YADAV	III / EEE
23	VEERAMUNESWARAN P	II / EEE
24	ABBAS	II / MECT
25	ABISHEK	IV / EEE
26	SHAM GANESH.P	IV / EEE
27	MORDHWAJ THAKUR	II / EEE
28	JIBIN	IV / EEE
29	ABHINAND SL	IV / EEE
30	AMIT	II / EEE
31	MOHAMED ANAS. A	II / EEE
32	A M J A D	II / EEE
33	SURYA DAS M	II / EEE
34	THARUNRAJ	II / EEE
35	ABHISHEK RAJ	II / EEE
36	PRABAKARAN	III / EEE

37	KIRAN S	IV / MECT
38	JASEEL A	IV / EEE
39	MD ZIBRANEEE	II / EEE
40	YOGESH S	II / MECT
41	ASWIN MASS	II / MECT
42	ANANDHAN	III / MECT
43	MUNNA TRIPATHI	IV / EEE
44	SURIYA	II / EEE
45	GANGATHARAN	III / EEE
46	SURAJ KUMAR	III / EEE
47	PRABHUDEV	II / EEE
48	MOHAN	III / MECT
49	RAM SAI	IV / EEE
50	SURAJ KUMAR CHAUHAN	III / EEE
51	MANU TIWARI	III / EEE
52	RTR MK MANOBALA	II / MECT
53	ALOK JAYAPAL	III / EEE
54	ANBARASAN S	II / EEE
55	SHABIL SALIM	IV / EEE
56	SANJEET SUMAN	III / EEE
57	B SHIVAKUMAR	IV / EEE
58	ABHIJITH	IV / EEE
59	AMRUTH REVANTH	IV / EEE
60	RENJITH RAJU	IV / EEE
61	ARUN KUMAR J	III / EEE