



GRIET/2022/IEEE IAS SBC-4

**EVENT SUMMARY REPORT**

<b>GRIET/Other institutes/Organization</b>  <b>Address:</b>	<b>GRIET</b>		
<b>Department</b>	<b>EEE</b>	<b>Professional Body</b>	<b>Institutional Body</b>
		<b>IEEE-IAS SB Chapter</b>  IA34 (SBC64761C)	<b>IEEE GRIET SB</b>
<b>Nature of the Event</b>  (Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities)	<b>SEMINAR</b>		
<b>Title / Theme of the Event</b>	<b>IMPACT OF POWER CONVERTER TOPOLOGIES IN FUEL CELL HYBRID ELECTRIC VEHICLES FOR COMMERCIAL APPLICATIONS</b>		
<b>Details of the Coordinators &amp; Designation</b>	Dr. B. Phaneendra Babu IEEE GRIET SB Counsellor Professor and head of department (department of EEE) GRIET, Hyderabad Mrs G Sandya Rani IEEE GRIET IAS SB Chapter Advisor		
<b>Event Dates/Days</b>	From	To	No. of Days
	22 APRIL 2023	22 APRIL 2023	01

	11:00 AM	12:00 PM			
<b>Details of the Speaker / Guest</b> Organization Address:	<p><b>Dr. Bandi Mallikarjuna Reddy, Ph. D.</b></p> <p><b>E/E Hardware Architect – Schaeffler, Germany</b></p>				
<b>Participants</b> (Teaching Faculty / Non-Teaching Faculty / Students)	No. of Faculty	No. of UG students	No. of PG Students	No. of outside participants	Total Participants
<b>Enclose participants list</b>	5	25	0	0	30
<b>Faculty Names &amp; Designation</b>	<p>Dr. B. Phaneendra Babu - Professor, Head of Dept. of EEE</p> <p>G. Sandhya Rani - Assistant Professor EEE</p> <p>M Prashanth - Assistant Professor EEE</p> <p>U. Vijaya Laxmi - Assistant Professor EEE</p> <p>Praveen - Assistant Professor EEE</p>				
<b>Summary of the Event</b>	<p>IEEE GRIET SB under the Industry Application Society chapter organized an online seminar “IMPACT OF POWER CONVERTER TOPOLOGIES IN FUEL CELL HYBRID ELECTRIC VEHICLES FOR COMMERCIAL APPLICATIONS” by Dr. Bandi Mallikarjuna Reddy Ph. D., E/E Hardware Architect, Schaeffler, Germany. The seminar was held on 22 April 2023 from 11:00 AM to 12:00 PM in online mode through Google Meet platform.</p> <p>The objective of this seminar was to let the students know about the importance of different power converters used in Fuel HEVs. Dr. Mallikarjuna briefed students, the architecture of Fuel Cell Hybrid Electric Vehicle (FCHEV).</p> <p>The speaker also addressed different startups emerged in various cities which basically are electric vehicle companies like OLA Electric. Other</p>				

	<p>companies focus on different aspects like manufacturing parts, battery charging technologies, battery swapping technology etc.</p> <p>Likewise, he shared knowledge to the students and all-inclusive the talk was successfully organized with the support of faculty and student participants.</p>
<p><b>IRG (in rupees)</b></p> <p><b>Deposited A/C no A/C name and date and other details</b></p>	<p>NA</p>
<p><b>Expenditure (in rupees)</b></p> <p><b>(Enclose proof-bills)</b></p>	
<p><b>POs attained with this Event</b></p> <p>(number and description)</p>	
<p><b>Photographs of the event</b></p> <p>(Hard copy and soft copy)</p>	

meet.google.com/kmv-xhvt-vng?pli=1&authuser=3

Mallikarjuna Reddy is presenting

11:46 AM | Technical talk on EHV

32°C Sunny

meet.google.com/kmv-xhvt-vng?pli=1&authuser=3

Mallikarjuna Reddy is presenting

11:52 AM | Technical talk on EHV

33°C Sunny

**GOKARAJU RANGARAJU**  
Institute of Engineering and Technology

**GRIET** IEEE STUDENT BRANCH

Seminar  
on  
“Impact of Power Converter  
topologies in Fuel cell  
Hybrid electric Vehicles  
for commercial applications”

Dr. Bandi Mallikarjuna Reddy  
E/E Hardware Architect  
Schaeffler, Germany

Date: 22 April 2023, Time: 11 AM

**Proofs:**

1. Certificates copies
2. Profile of Speaker
3. PPT/Material as applicable. etc.,

Brief-Biography: Dr. Bandi Mallikarjuna Reddy Received Bachelor of Technology degree in Electrical and Electronics Engineering from Sri Venkateshwara University, Tirupati, India, in 2011 and Master of Technology degree in Power Electronics from the JNTU Kakinada, India, in 2015, and completed Ph.D. degree in design of Power Converters for fuel cell hybrid electric vehicles for minimize cold-start effect of vehicles and renewable energy grid integration in NIT Allahabad in 2019. Worked as a contract lecturer in the polytechnic college during the years 2011-2012 at Bangalore, Karnataka, India, and worked as a visiting assistant professor in Ayaan engineering college at Hyderabad during the year 2014 - 2015. Have more than 8 years' experience in hardware design in the automotive industry. Worked as a hardware development engineer in powertrain electrification systems in Valeo India private limited at Chennai and then worked as a hardware team lead in Tata Elxsi for the development of BMCM ASW for the Jaguar Land Rover. Currently, working as a hardware architect for the hybrid systems in the Schaeffler AG in Germany for the Volkswagen and DAF. Have published more than 30 research journals and magazines in power electronics domain in different publishers. Have attended more than 20 national and international conferences to deliver current research.

*G. Gandhykeri*

Signature of Coordinator

*B. Phaneendra Babu*

Signature of HOD

