



GRIET/2022/IEEE IAS SBC-7

## EVENT SUMMARY REPORT

<b>GRIET/Other institutes/Organization</b>			
<b>Address:</b>	<b>GRIET</b>		
<b>Department</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>TECHNICAL TALK</b>		
<b>Title / Theme of the Event</b>	<b>RECENT TRENDS IN ELECTRICAL ENGINEERING/POWER ELECTRONICS</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
	26 DEC 2022	26 DEC 2022	01

	2:00 PM	3:00 PM			
<b>Details of the Speaker / Guest</b> Organization Address:	<b>Dr.Sandeep Madishetti,Principal Engineer at LITE-ON Singapore Pte Ltd</b>				
<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>	4	40	0	0	44
<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>Dr.Sandeep Madishetti-Principal Engineer , LITE-ON Singapore Pte Ltd</p>				
<b>Summary of the Event</b>	<p>IEEE GRIET SB under the Industry Application Society chapter organized a technical talk “RECENT TRENDS IN ELECTRICAL ENGINEERING/POWER ELECTRONICS” by Dr.Sandeep Madishetti, Principal Engineer at LITE-ON Singapore Pte Ltd.The lecture was held on 26 December 2022 from 2:00 PM to 3:00 PM at EEE seminar hall (4412).</p> <p>The objective of this talk was to let the students know about present trends that are happening in the field of electrical engineering. Dr.Sandeep explained students that we will see very advanced power supplies used in E-commerce handling and shipping hubs.They will not only integrate higher levels of communication,but are able to store and restore energy from supercapacitors banks,reducing peak disturbances on the grid and consumption.</p> <p>The WBG transistors ,conventional Power FETs provide a path to efficient power supply across industrial environments while also</p>				

	<p>complementing the renewable energy segment's expansion. The speaker also explained about various ESS storage technologies.</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><i>1. Broad education necessary to understand latest trends and development in electrical machines.</i></p> <p><i>2. Recognition of the need for, and an ability to engage in life-long learning</i></p>
<p><b>Photographs of the event</b></p> <p>(Hard copy and soft copy)</p>	



**GRIET**  
IEEE STUDENT BRANCH

**IAS**  
INDUSTRY APPLICATIONS SOCIETY  
IEEE STUDENT BRANCH CHAPTER

**TECHNICAL TALK ON  
RECENT TRENDS IN  
ELECTRICAL  
ENGINEERING/  
POWER ELECTRONICS**

Meeting link  
<https://meet.google.com/nqr-myhz-tpe>

**Dr.Sandeep Madishetti**  
Principle Engineer  
LITE -ON Singapore Pte Ltd

**GOKARAJU RANGARAJU**  
INSTITUTE OF ENGINEERING AND TECHNOLOGY

**DATE:26th DEC2022**  
**TIME: 2:00 -3:00 pm**

IEEE GRIET

**Proofs:**

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

Dr.Sandeep Madishetti is currently working as The Principal manager at Lite-On Singapore.

He worked as research scientist at Energy Research Institute @NTU in the span between September 2019 to December 2021 and at A\*STAR-Agency for Science,technology and Research in between January 2017 to August 2019. He made his part as PROJECT ASSISTANT at Indian Institute of Technology,Khargapur from January 2010 to June 2010,involved in designing and developing the power electronic converters for integration of different energy sources like solar,fuel-cells and battery. He performed as R&D DESIGN ENGINEER at Cybermotion Technologies Pvt Ltd as well ,from July 2009 to December 2009.There he mainly involved in implementing field oriented control of adjustable speed PMLDC motor based air-compressors.

He has done his Bachelor's Degree in Electrical and Electronics Engineering at Anurag Groups of Institutions from 2003 to 2007.Did his Master's Degree in Power Electronics and Electric Drives at National Institute of Technology Surat from 2007 to 2009 and did Doctor of Philosophy(Ph.D) in Power Electronics,Electric Drives and Power Quality at IIT Delhi from 2020 to 2014.

*G. Gandhykani*

**Signature of Coordinator**

*B. Phaneendra Babu*

**Signature of HOD**