



Date: 17/02/2025

Report

Title of the Event / Program	A Guest Lecture on Renewable Energy Sources & Their Applications
Date of event (s)	15.02.2025
Time	10:00 AM to 01:10 PM
Target Audience	Students of I, II & III B.Tech
No. Of participants	70
Resource Person	Dr V Usha Reddy Associate Prof., Sri Venkateswara University, Titupati, Andhra Pradesh
Organized by	Aditya Electricity Club
Committee	Mr. M Lokesh, Assistant Professor, Dept. of EEE Mr. Akheel Khan C Md, Student IV EEE Ms. Usha DS, Student IV EEE Mr. Nayan Teja C, Student IV EEE Mr. Shasank C, Student IV EEE
Venue	Seminar Hall (Room No. 114)
Description of the Program	<p>A distinguished guest lecture was conducted by Dr. V. Usha Reddy, Associate Professor in the Department of Electrical & Electronics Engineering at Sri Venkateswara University College of Engineering, Tirupati. With an extensive background in Renewable Energy Sources, she delivered an insightful session that enriched the knowledge of students and faculty members.</p> <p>Objective of the Lecture: The primary objective of the guest lecture was to provide an in-depth understanding of emerging technologies in the renewable energy sources, highlighting innovations, research advancements, and real-world applications. Dr. Usha Reddy emphasized the significance of sustainable energy solutions in modern engineering and their role in shaping the future.</p> <p>Key Highlights:</p> <ol style="list-style-type: none">Academic and Research Excellence: Dr. Usha Reddy shared her 17 years of teaching experience, including mentoring M. Tech. and Ph.D. scholars and her extensive contributions to academic research.Research Publications and Patents: She presented insights from her 62 international journal publications, 11 conference papers, and a patented Machine Learning-based cyber security system for smart grids.Advancements in Renewable Energy: A comprehensive discussion on solar PV systems, hybrid energy systems, and energy loss reduction techniques was conducted.

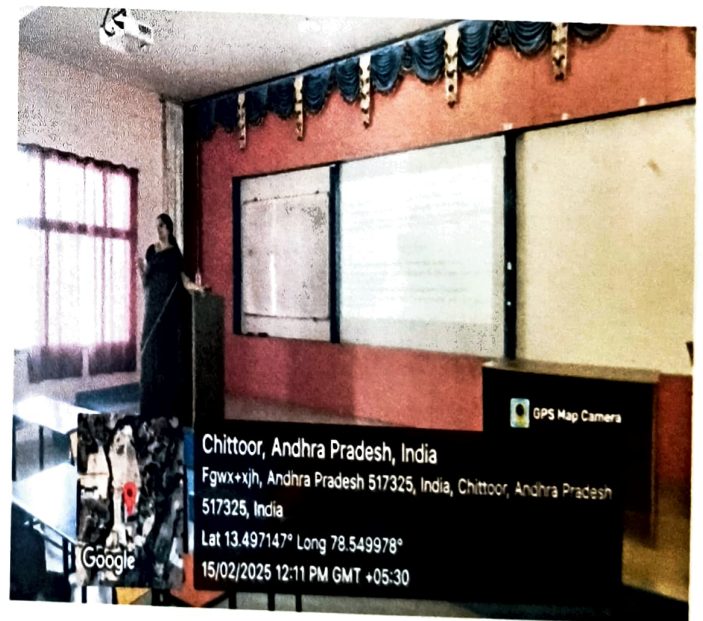
4. **Industry-Academia Collaboration:** Dr. Usha Reddy highlighted her international experience, including her visit to **Purdue University, USA**, and its impact on fostering innovation and research excellence.
5. **Administrative Contributions:** As the **SV University Coordinator for Rashtriya Uchchatar Shiksha Abhiyan (RUSA)**, she provided valuable insights into policies promoting higher education and research funding.

Interactive Session: The lecture was followed by a highly interactive **Q&A session**, where students and faculty engaged in discussions regarding **career opportunities in power systems, electric vehicles, and renewable energy research**. Dr. Usha Reddy provided guidance on pursuing **higher studies, research projects, and industrial collaborations**.

Conclusion: The guest lecture by Dr. V. Usha Reddy was a resounding success, offering valuable insights into **cutting-edge research, academic excellence, and technological advancements in electrical engineering**. Her expertise and contributions to the field left a lasting impact on the attendees, inspiring them to explore innovative solutions in sustainable energy.

Acknowledgment: The organizing committee extends its heartfelt gratitude to Dr. V. Usha Reddy for her time and expertise. Special thanks to the faculty members and students for their active participation in making this event a success.

Photographs of the Event



Introducing Resource Person to Students

Delivering Lecture to Students



Group Photo With Resource Person

[Signature]
Co-Ordinator

[Signature]
HOD EEE
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 Department of Electrical &
 Electronics Engineering
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