

ASSOCIATION OF ELECTRICAL AND ELECTRONICS ENGINEERING
PRESENTS

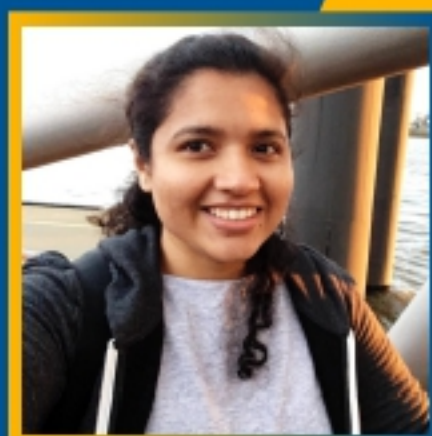
GUEST LECTURE ON WIND-TECHNOLOGY, TRENDS AND OPPORTUNITIES



SPEAKER

Ms. SWARNA PRIYA NATARAJAN

Lead Engineer at Vestas Technology R&D
Chennai



CONVENOR

Dr.KR.Santha, Vice-Principal,
Professor & Head of Dept,
Department of EEE

CO-ORDINATORS

Dr.S.Kumaravel, Asst. Professor
Dr.M.Sankar, Asst. Professor
Department of EEE

STUDENT CO-ORDINATORS

Mr.Adithyan M
Mr.Hemanth T

22 NOV | 11.00 AM TO
2021 11.45 AM



**SCAN TO
JOIN THE
MEETING**



SRI VENKATESWARA COLLEGE OF ENGINEERING

Department of Electrical and Electronics Engineering

22/11/21

GUEST LECTURE REPORT ON

Topic: WIND - TECHNOLOGY, TRENDS AND OPPORTUNITIES

Guest speaker: Ms. Swarna Priya Natarajan

The guest lecture on the topic "**Wind - Technology, trends and opportunities**" presented by **Ms. Swarna Priya Natarajan** was organized on 22nd Nov 2021. The event was conducted in online mode through Google Meet from 11.00 AM to 11.45 AM. 122 student (III & VII semester) and faculty participated in the event.

The guest lecture event started with prayer song. The speaker, Ms. Swarna Priya Natarajan, Lead Engineer at Vestas Technology R&D, Chennai, was welcomed cordially by Ms. Harini.N, II yr/EEE. Dr. Sudhakar K Bharatan, AHOD/EEE delivered a brief introductory speech.

The guest lecturer started her speech by thanking the people who facilitated her with this opportunity and gave a brief introduction of herself.


The guest lecture was on **Renewable sources of Energy** and had more emphasis on **Wind Energy** and windmills. It passed the participants a lot of information revolving around the topic of wind energy and windmills by talking about needs for renewable energy sources, its types, and some statistical data concerning the renewable energy sources. Finally, she concluded her lecture by briefing about the market trends and job opportunities in the sector. Then there was a questionnaire during which the participants cleared their doubts with the speaker.

This was followed by a vote of thanks given by **Mr. Sharath Kumar** II yr/EEE. This marked the end of the very informative lecture on Wind - Technology, trends and opportunities.

REC Swarna Priya Natarajan is presenting Press Esc to exit full screen

Renewable Energy Sources

- Why?
 - Clean and safe
 - Abundant
 - Less maintenance
- Different forms: solar, wind, hydro, tidal, geothermal, biomass



7

People

Add people

- Dr. S. Kumaravel EEE (You)
- 002 Ajay Ranthi EE
- 006 ARUNPRASATH N EE
- 007 Ashwathraman T EE
- 008 ASHWIN K EE
- 009 ASHWIN KUMAR B EE
- 010 AUGUSTIN A EE
- 011 BALAKRISHNAN S EE
- 012 BALASURIYA M EE
- 013 Bharathi Priyadarshini

SANKAR M EEE SUDHAKAR K B E... 049 Narendran K... EE A 02 others You

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Global Wind Installations

Wind installations



Year	Wind installations (GW)
2016	124.7
2017	133.4
2018	145.1
2019	152.1
2020	165.5

New wind power capacity in 2020 by region



Region	Percentage
APAC	60%
Europe	15%
North America	15%
Latin America & ME	10%

93 GW

Source: www.gwec.com

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- 012 BALASURIYA M EE

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Firefox Authentication Required | AEEE - ONLINE QUEST LECTURE | Meet - npm-gkkq-agj

meet.google.com/npm-gkkq-agj

REC Swarna Priya Notarajan is presenting

India's Ambitious Renewable Target 2022

- A Big Push for Renewables – 175 GW
 - Wind: 40 GW → 60 GW
 - Solar: 37GW → 100 GW
 - Biomass: 4.4 GW → 10 GW
 - Small Hydro: 4.1 GW → 5 GW
- Achieved so far ~ 94.43 GW

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People

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011 BALAKRISHNAN S EE

012 BALASURIYA M EE

SUDHAKAR K B EEE

A EE

93 others

You

Activate Windows
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Dr S Kumaravel, Co ordinator

[Handwritten signature]
HOD/EEE
4/2/22