



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
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## Report on Webinar on “Innovations in Small Wind Power Plants”

**Date: 22-12-2020**

**Time: 3.30 P.M**

**Webinar Platform: Zoom**

The Department of Electrical and Electronics Engineering of Aarupadai Veedu Institute of Technology organized a Webinar on “Innovations in Small Wind Power Plants”. The Guest Speaker of the day was Mr. Mogal Amjad Baig, CEO & Founder of Right Renewable Tech, Chennai. The inaugural address was delivered by Dr.L.Chitra, HoD/EEE.

After a brief introduction about the guest by Dr.Boopathy and explained the motto and purpose of seminar and its applications, the session was taken over by Mr. Mogal Amjad Baig. He started the session briefing about the basics of Wind Energy, types of turbine , wind mill generator for water pumping and the need to switch to Renewable energy from Non Renewable sources of energy. He then in detail, described about the various types windmill and the recent technology to generate power through video demonstration.

Department of Electrical and Electronics Engineering Organizes

**Webinar on Innovations in Small Wind Power Plants**

Dec 22, 2020 | 03:30 PM (Indian Standard Time)

Free Registration @ <https://forms.gle/kzKk2Dy4D3m1EASC7>

Resource Person :

**Mr. MOGAL AMJAD BAIG**  
CEO & Founder of Right Renewable Tech  
Chennai

With Warm Regards : **Dr. K. L. Shunmuganathan**, Principal - AVIT  
**Dr. L. Chitra**, Prof. B.HOD / EEE  
Co-ordinators : **Dr. N. Boopathy**, Prof. / EEE. **B. K.S.Kavitha Kumar**, A / EEE

Zoom Meeting ID : 831 4441 2999 | Password : AVIT2020

For Admission Contact @ 191 87545 52018, 191 97894 81224, 191 875 10304

Zoom Meeting - You are viewing Mogal Amjad Baig's screen

Participants (54)

- Kavitha kumar...
- Jessie Anita
- Mogal Amjad B.
- AVIT2020
- Kavitha kumar... (Co-host, me)
- Jessie Anita (Host)
- Mogal Amjad... (Co-host)
- boopathy K (Co-host)
- Chitra L (Co-host)
- AJAY S
- ANANDHAN R
- ASHWIN MACHO
- AVIT2020
- Binu Varghese Binu Binu

Types Wind Turbines

Flying Generators

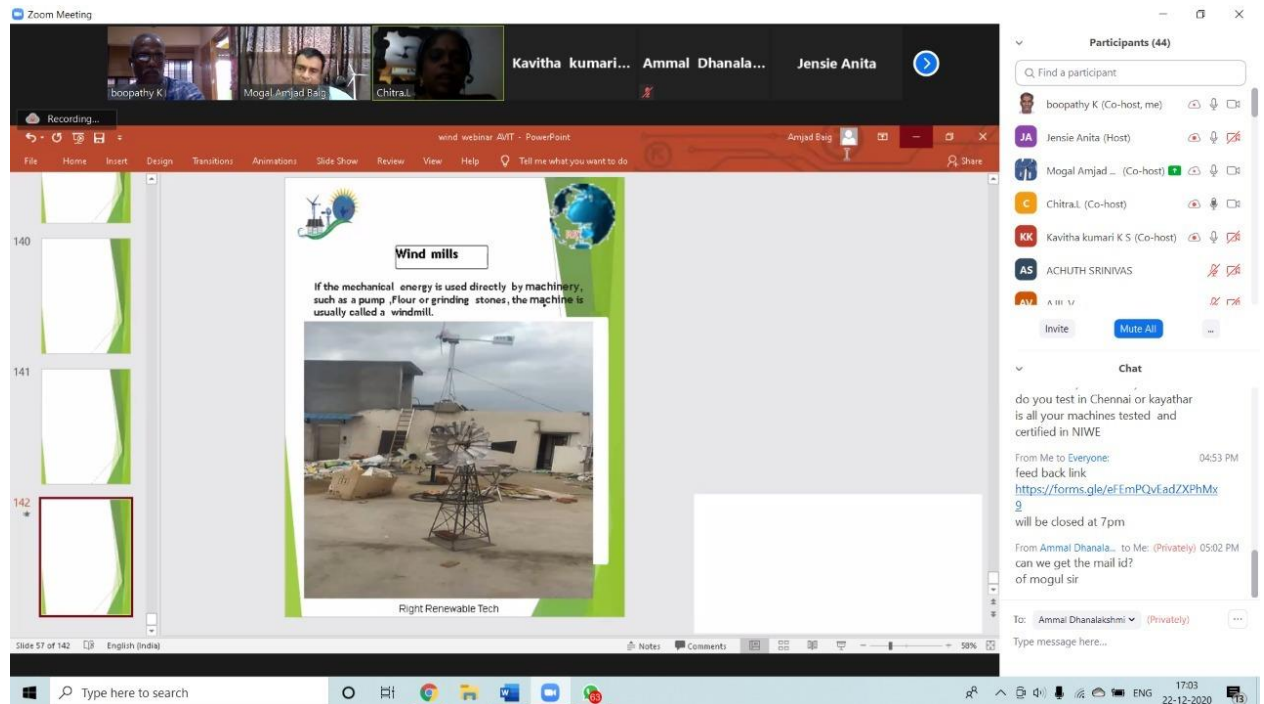
Recording...

4:51 PM 12/22/2020

## The salient points are mentioned below

### Innovations:

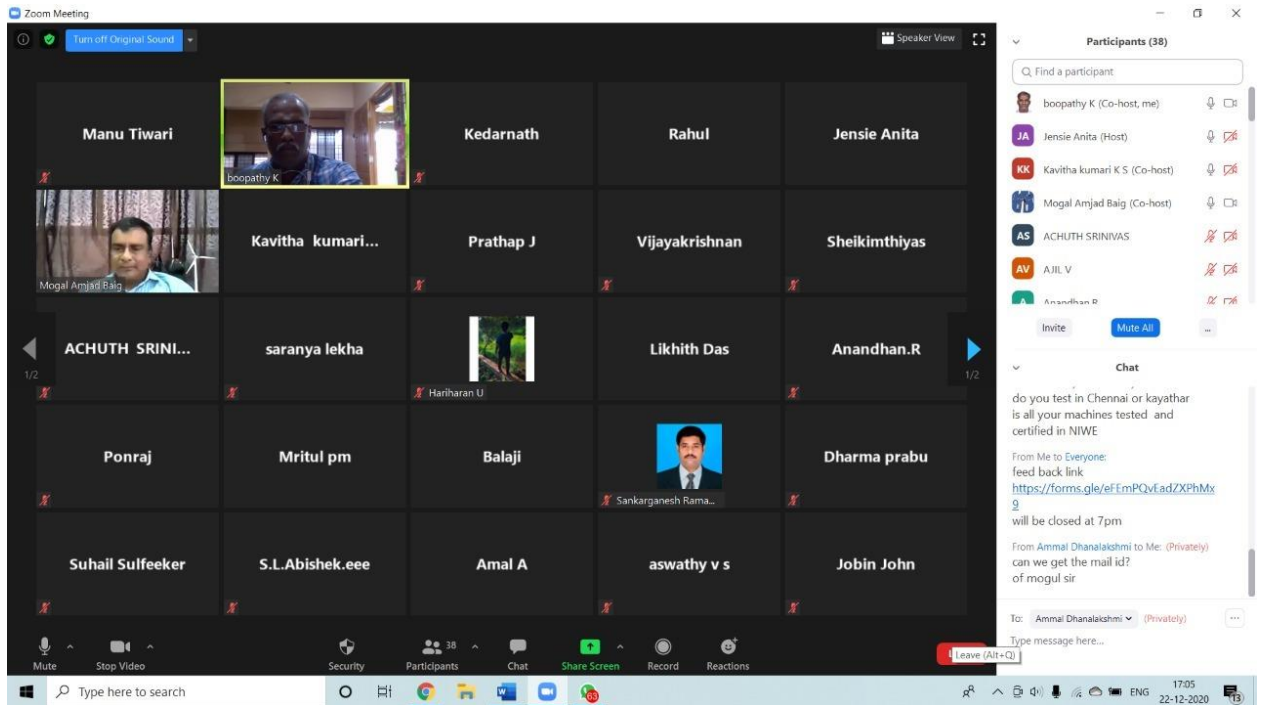
- ❖ Airborne Wind Turbines with Nano Material
- ❖ Power from Low Speed Winds with out gear
- ❖ Bladeless Wind Power with suitable hub
- ❖ Vertical Axis Turbines for road side fixing
- ❖ Quiet Wind Turbines by blade size
- ❖ Wind Power Storage by wheel storage system



The screenshot displays a Zoom meeting interface. At the top, there are three video thumbnails for participants: boopathy K, Mogal Amjad Balaj, and ChitraL. The main content area shows a PowerPoint slide titled "Wind mills". The slide text reads: "If the mechanical energy is used directly by machinery, such as a pump, flour or grinding stones, the machine is usually called a windmill." Below the text is a photograph of a traditional windmill structure. The slide footer says "Right Renewable Tech". The Zoom interface includes a "Participants (44)" list on the right, a "Chat" window with messages, and a Windows taskbar at the bottom showing the time as 17:03 on 22-12-2020.

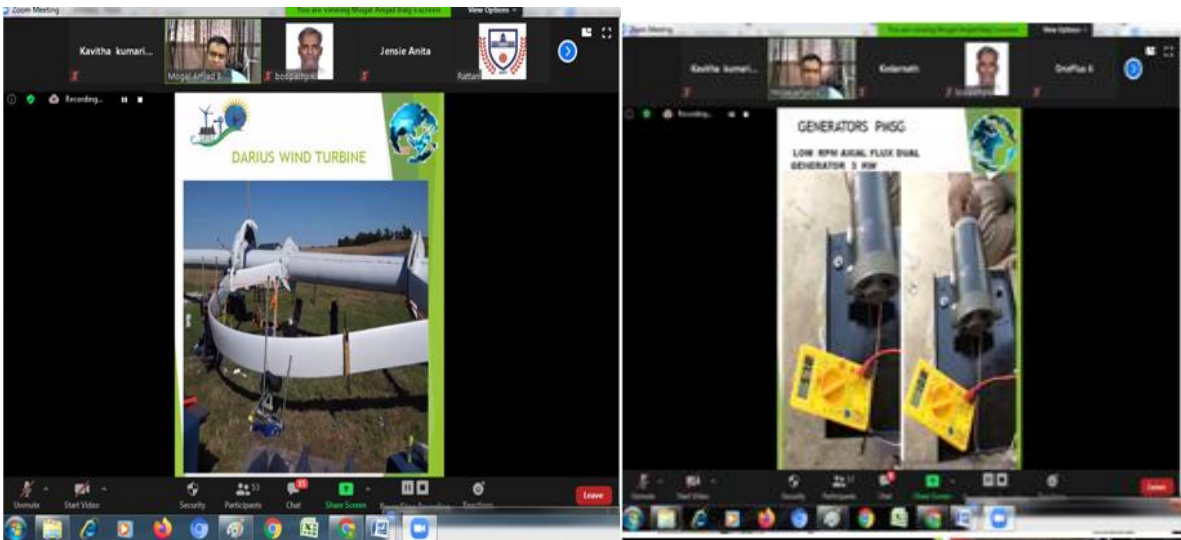
### Novel Research Work:

- ❖ Alternative support structures for wind turbines
- ❖ Alternative fixed bottom support structures for offshore wind
- ❖ Self-rising towers

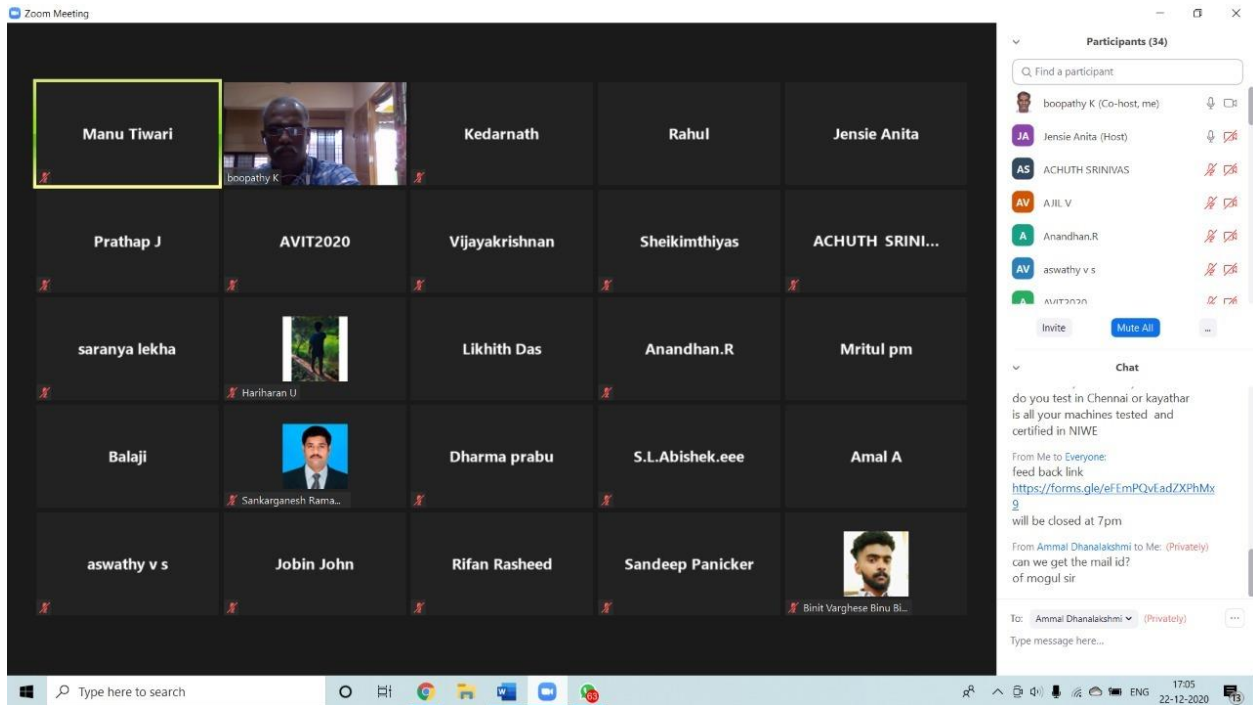


- ❖ New materials for towers and support structures
- ❖ Degree of development, challenges and potential of alternative support structures.

### Community-Owned Wind Power:



**There were about 88 participants** which include students, research scholar, faculties from Aarupadai Veedu Institute of Technology.



The students were interactive and had their doubts clarified. The session was very useful to all the participants and was concluded with a vote of thanks proposed by Ms.Kavitha Kumari.K.S, AP(II)/EEE.

Our heartfelt thanks to Mr. Mogal Amjad Baig,, Guest Speaker for his keynote address and for offering solutions to questions raised by participants.

We would like to sincerely thank the Management, Principal and HOD for having given us an opportunity to organize a seminar on the subject topic.

**Dr.K.Boopathy**

**Mrs .K.S.Kavitha Kumari**

<https://drive.google.com/file/d/1Z8keT7Sxki5zOS4ZXzzkquFYJLJQ8d97/view?usp=sharing>