UNNAT BHARAT ABHIYAN (UBA)

Webinor- Renewable energy technologies for enhancing livelihood of rural people conducted by RCI, TNAU

Activity report

Name of the Event:	Webinor- Renewable energy technologies for enhancing livelihood of rural people
Date:	05.11.2024
Time:	03.00 pm
Guest Speaker:	Dr. D. Ramesh Professor and Head Renewable energy engineering, AEC & RI, Tamil Nadu Agricultural University(TNAU)
Platform	Online
Event Main theme:	Renewable energy technologies
Number of Direct Beneficiaries:	5
Total Number Of Participants:	5
Diversity of the Activity:	Renewable energy technologies
Outcome:	Faculty got an idea about the renewable energy technology for rural people
Event link:	https://meet.zoho.in/cvFQBdDmGi

Report:

Faculty members of UBA - RVSCAS attended the webinar titled *"Renewable Energy Technologies for Enhancing the Livelihood of Rural People"* conducted by RCI-TNAU on November 5th, 2024. The session primarily focused on renewable energy technologies and their potential to improve the livelihoods of rural communities.

Poster

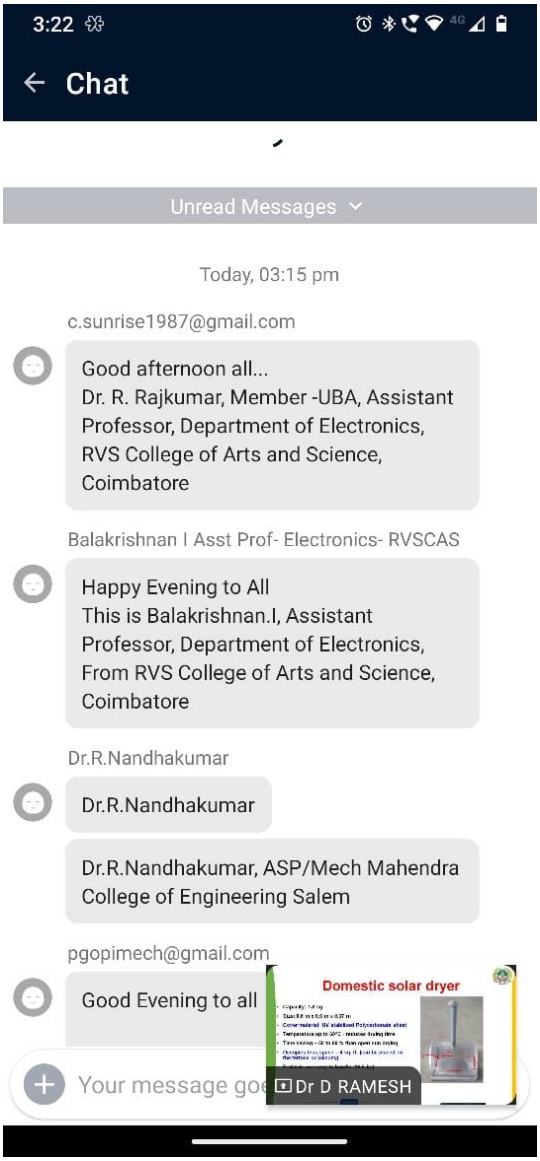

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)
WEBINAR
RENEWABLE ENERGY TECHNOLOGIES FOR ENHANCING LIVELIHOOD OF RURAL PEOPLE
GUEST SPEAKER
Dr. D. Ramesh
Professor and Head
Renewable Energy Engineering
AEC & RI, TNAU
05, November,2024
3.00 - 4.00 PM
JOIN US
https://meet.zoho.in/cvFQBdDmGi

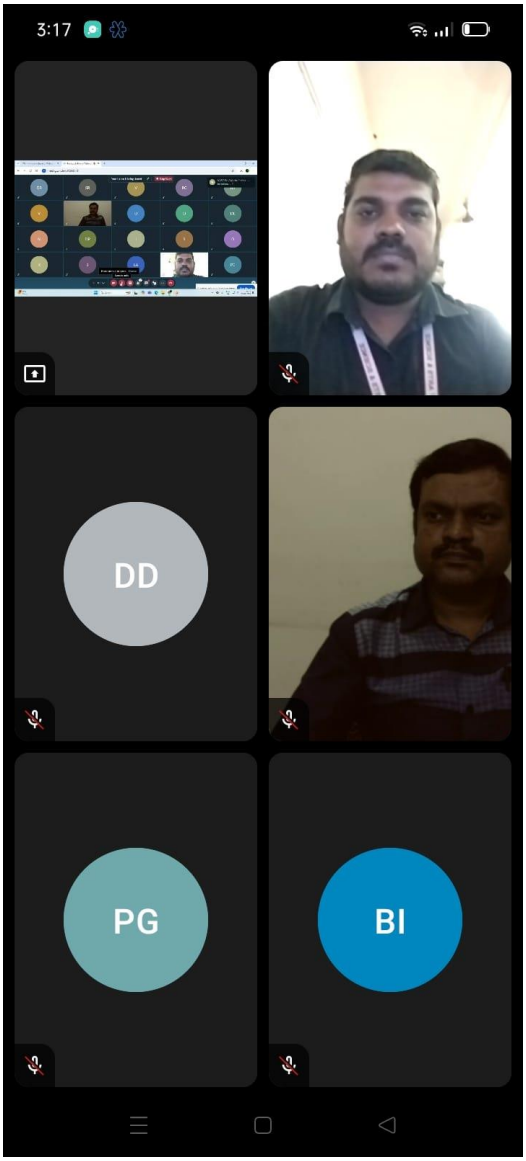
Participant details

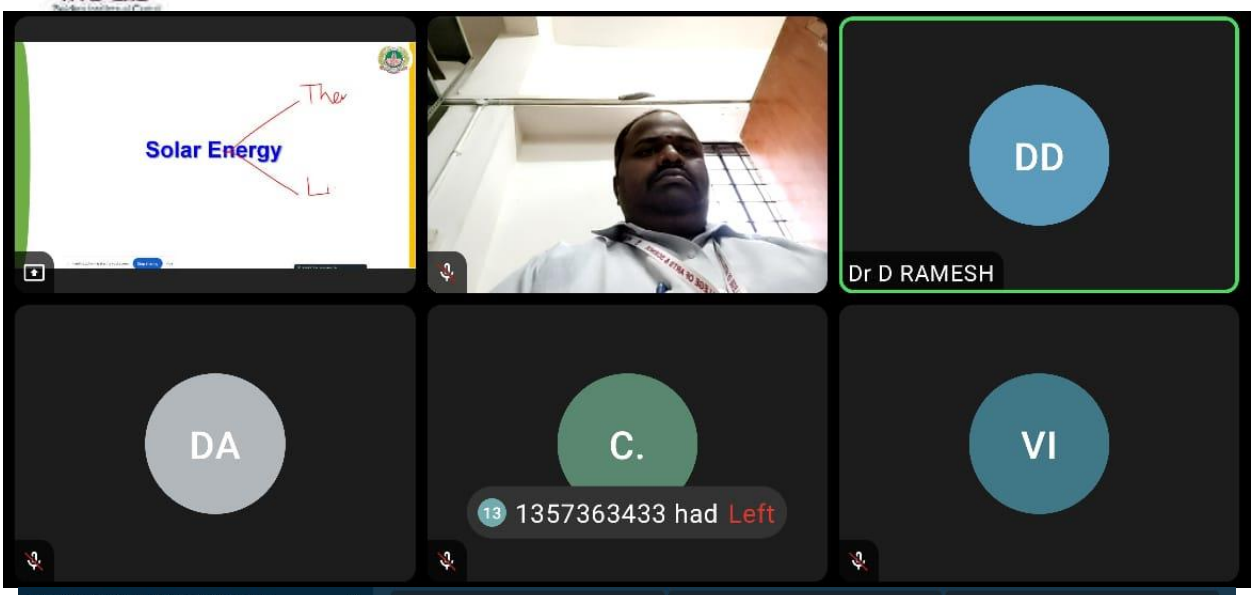
S. No	Name	Designation & Department
1	Mr. S. Anandasaravanan	Associate professor, Department of electronics
2	Dr. Saravana Kumari. P	Associate Professor, Department of Microbiology
3	Dr. R. Rajkumar Member -UBA	Assistant professor, Department of electronics
4	Dr. G.Sankar Member-UBA	Assistant professor, Department of Electronics
5	Mr. I . Balakrishnan	Assistant professor, Department of Electronics

Coordinator-UBA

Event Screen short






Solar Energy
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Dr D RAMESH
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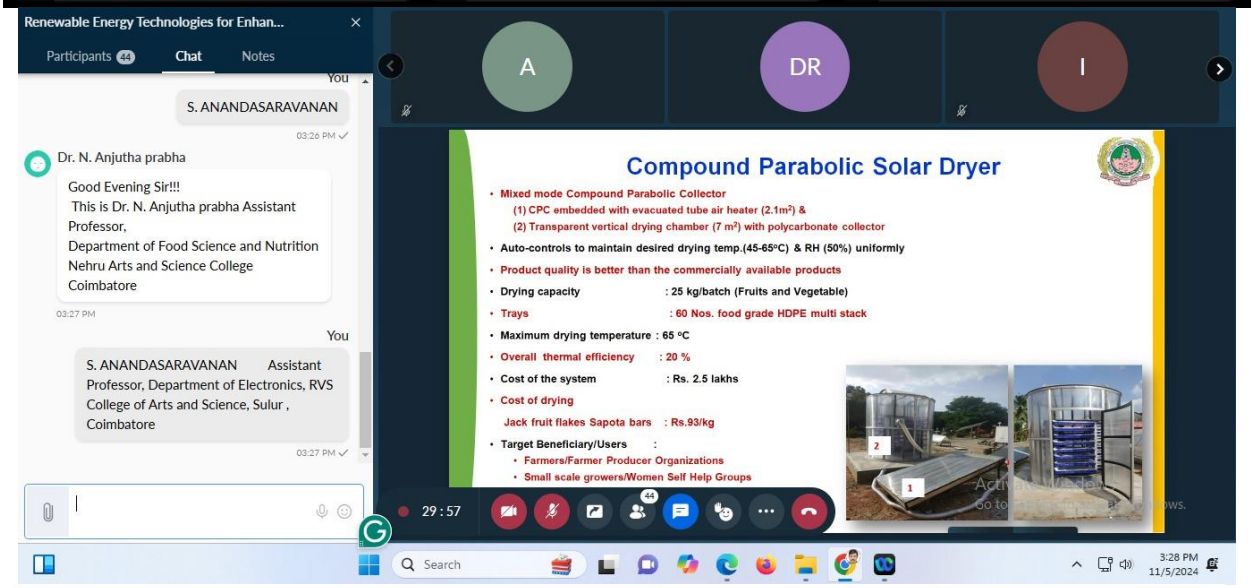
Renewable Energy Technologies for Enhan...
Participants 44
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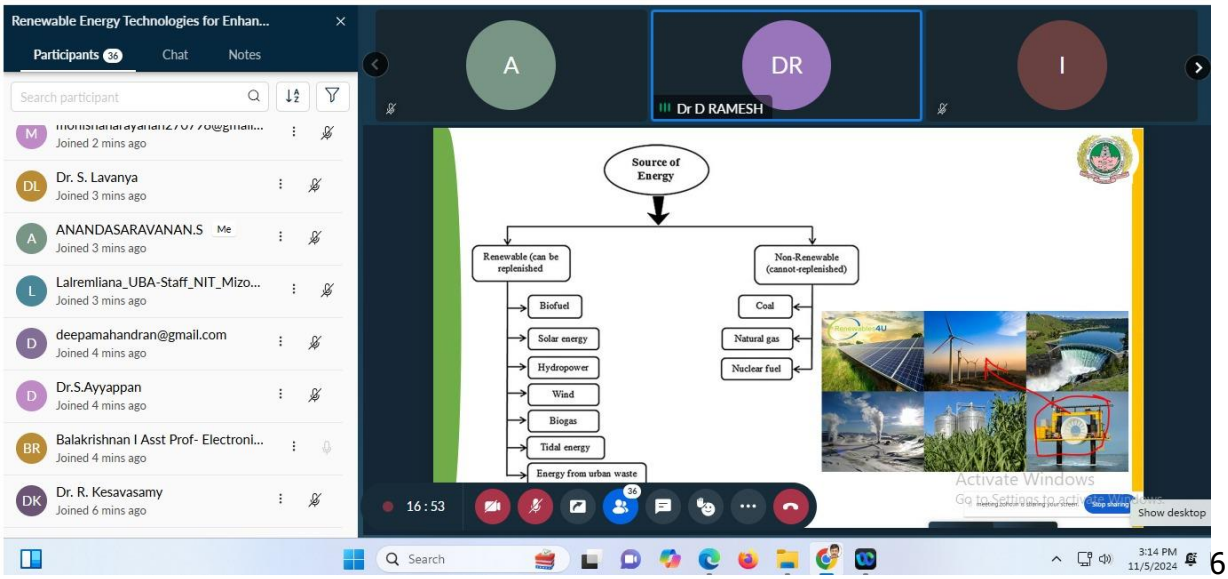
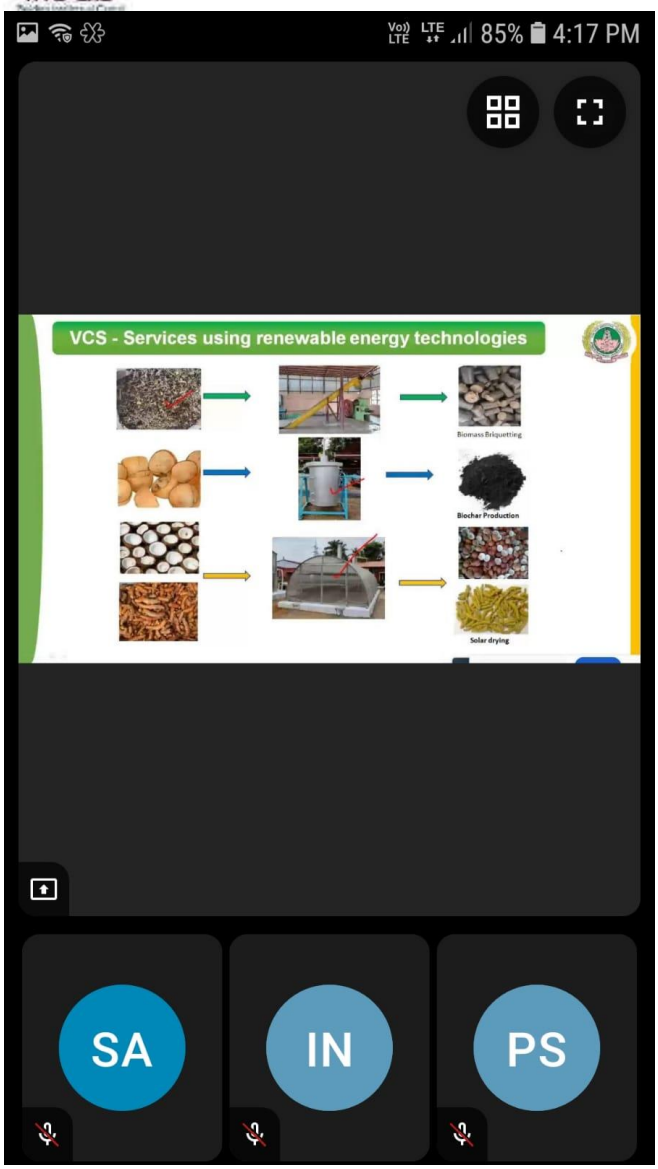
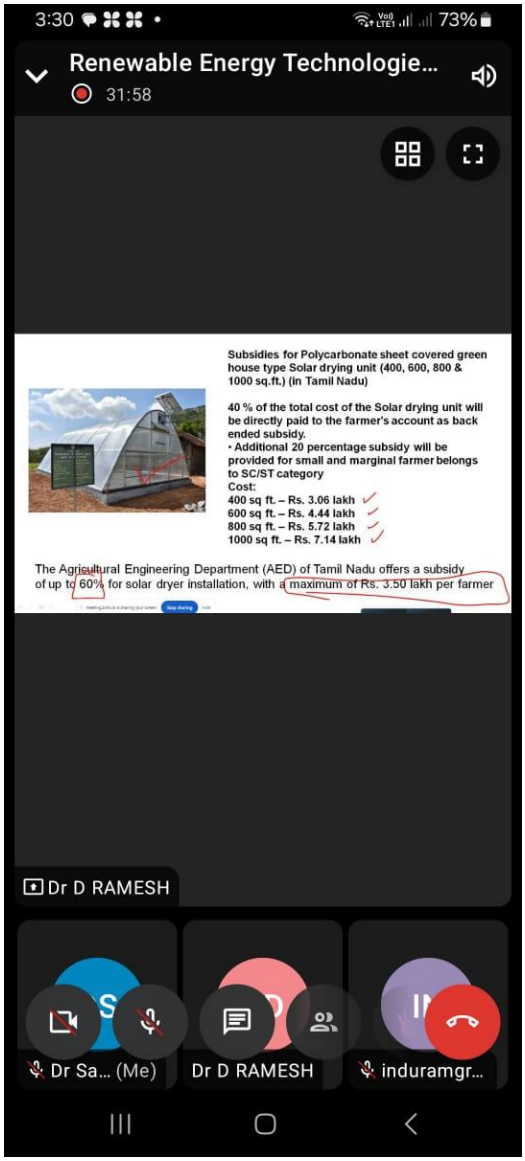
S. ANANDASARAVANAN
Dr. N. Anjutha prabha
Good Evening Sir!!!
This is Dr. N. Anjutha prabha Assistant Professor,
Department of Food Science and Nutrition
Nehru Arts and Science College
Coimbatore
You
S. ANANDASARAVANAN Assistant Professor, Department of Electronics, RVS College of Arts and Science, Sulur , Coimbatore
A
DR
I
Compound Parabolic Solar Dryer
Mixed mode Compound Parabolic Collector
(1) CPC embedded with evacuated tube air heater (2.1m²) &
(2) Transparent vertical drying chamber (7 m²) with polycarbonate collector
Auto-controls to maintain desired drying temp.(45-65°C) & RH (50%) uniformly
Product quality is better than the commercially available products
Drying capacity : 25 kg/batch (Fruits and Vegetable)
Trays : 60 Nos. food grade HDPE multi stack
Maximum drying temperature : 65 °C
Overall thermal efficiency : 20 %
Cost of the system : Rs. 2.5 lakhs
Cost of drying
Jack fruit flakes Sapota bars : Rs.93/kg
Target Beneficiary/Users :
Farmers/Farmer Producer Organizations
Small scale growers/Women Self Help Groups
29 : 57


Renewable Energy Technologies for Enhan...
Participants 36
Chat
Notes
Search participant
Joined 2 mins ago
Dr. S. Lavanya
Joined 3 mins ago
ANANDASARAVANAN.S Me
Joined 3 mins ago
Lalremliana_UBA-Staff_NIT_Mizo...
Joined 3 mins ago
deepamahandran@gmail.com
Joined 4 mins ago
Dr.S.Ayyappan
Joined 4 mins ago
Balakrishnan I Asst Prof- Electroni...
Joined 4 mins ago
Dr. R. Kesavasamy
Joined 6 mins ago
A
DR
I
Dr D RAMESH
Source of Energy
Renewable (can be replenished
Non-Renewable (cannot-replenished)
Biofuel
Solar energy
Hydropower
Wind
Biogas
Tidal energy
Energy from urban waste
Coal
Natural gas
Nuclear fuel
16 : 53


85% 4:17 PM
VCS - Services using renewable energy technologies
Biomass Briquetting
Biochar Production
Solar drying
SA
IN
PS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73%
Renewable Energy Technologie...
31:58
Subsidies for Polycarbonate sheet covered green house type Solar drying unit (400, 600, 800 & 1000 sq.ft.) (in Tamil Nadu)
40 % of the total cost of the Solar drying unit will be directly paid to the farmer's account as back ended subsidy.
• Additional 20 percentage subsidy will be provided for small and marginal farmer belongs to SC/ST category
Cost:
400 sq ft. – Rs. 3.06 lakh
600 sq ft. – Rs. 4.44 lakh
800 sq ft. – Rs. 5.72 lakh
1000 sq ft. – Rs. 7.14 lakh
The Agricultural Engineering Department (AED) of Tamil Nadu offers a subsidy of up to 60% for solar dryer installation, with a maximum of Rs. 3.50 lakh per farmer
Dr D RAMESH
Dr Sa... (Me)
Dr D RAMESH
induramgr...