

DEPARTMENT OF PHYSICS, KLEF

Report on Industrial Guest Lecture (31-12-2025@12.30-1.30pm)

Department of Physics, KLEF, Vijayawada, Andhra Pradesh, INDIA, organized a one-day Industrial Guest Lecture (Virtual mode) on “**Renewable energy sector (Wheeling and banking)**”. The resource person **Mr. Kottairaj ME**, General Manager, Grennsure Power Pvt.Ltd. Bengaluru, India.

Date: 31st December 2025

Time: 12.30 pm – 1.30 pm

Organized by Dr.Shaik.Babu, Asst.Prof. Guest Lecture started at 12.30 PM with welcome address by convenor and Dr.Shaik.Babu, Asst.Prof, followed by introduction of resource person by Dr.M.Gnana kiran, Asst. Prof. Dept. of Physics

Resource person delivered an excellent lecture renewable energy sector. Basic facilities required for this facilities and how wheeling and banking work were explained neatly.

International guest lecture concluded with vote of thanks by Dr. Shaik.Babu. All the department faculty and participants interacted and greeted the resource person.

Attachment: Photos of Guest Lecture

Outlook interface showing an email from KLU HRD MEDICLAIM. The email subject is "Conduction of one-day national Industrial Guest Lecture (Virtual mode) on 'Renewable Energy Sector (Wheeling and Banking)' by Dept of Physics, KLU University, KLEF on 31st December 2025 by Department of Physics, KLEF, Vaddeswaram - Reg." The email body contains the following information:

Ref: KLEF/RO/Physics/Guest Lecture/2025-26 Dt: 26-12-2025

Orders of the Hon'ble Vice-Chancellor dt. 26-12-2025

CIRCULAR

Sub: Conduction of one-day national Industrial Guest Lecture (Virtual mode) on "Renewable Energy Sector (Wheeling and Banking)" by Dept of Physics, KLU University, KLEF on 31st December 2025 by Department of Physics, KLEF, Vaddeswaram - Reg.

Ref: Letter received from HOD, Department of Physics and forwarded by Dr. Krishna Reddy, Principal-FED and Dr. A. Jagadeesh, Director, FED

This is to inform that the Department of Physics, KLEF, Vaddeswaram campus is organizing an Industrial Guest Lecture (Virtual mode) on "Renewable Energy Sector (Wheeling and Banking)" on 31st December 2025 from 12.30 PM 1.30 PM.

The Resource Person Mr. Kottaraj ME, General Manager, Greensure Power Pvt.Ltd, Bengaluru, India, is invited and he has kindly consented to deliver the talk.

Poster is attached herewith.

NO REGISTRATION FEE (Online Mode/Virtual Mode)

Link for Registration: <https://forms.qlu.edu/13u3m4Hkumg>

QR code for registration is displayed.

Activate Windows
Go to Settings to activate Windows.

Outlook interface showing the same email. The email body contains the following information:

QR Scan for Registration:

E-certificates will be provided to those participants who attended all sessions and submission of feedback form.

For more information regarding the International Guest Lecture, Dr. Shaik Babu (Mobile No. 9293188696, E-mail: babu.computers@kluniversity.in), Convenor, Dept of Physics, and Dr. M. Ganga Kiran (Mobile No. 990037966, E-mail: pranavkiran@kluniversity.in) Co-Convenor, Department of Physics, KLEF can be contacted.

REGISTRAR

Enc: as above

Mail & Hard copy to: Hon'ble President, KLEF
Mail to: Hon'ble Vice-Presidents, KLEF
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Mail & Hard copy to: Hon'ble Vice-Chancellor
Mail & Hard copy to: Pro Vice-Chancellors
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Mr. Raja Sekhar, Emp. No. 2482, Jr. Network Administrator (E-mail: rajasekhar_sya@kluniversity.in)

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Mr. KOTTAIRAJ ME

Company name: Greensure Power Private Limited
Designation: GENERAL MANAGER
LOCATION: BENGALURU
SECTOR: POWER TRADING (ELECTRICITY)

National Industrial Guest lecture on

RENEWABLE ENERGY SECTOR

(Wheeling & Banking)

31 DEC
2025
12.30pm

Convenor

Dr. Shaik. Babu
Asst. Prof. Dept. of Physics, KLEF
babu.computers@kluniversity.in
+91-9293189896

Co-Convenor

Dr. M. Gnana Kiran
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Cell: 9908397966

Chair

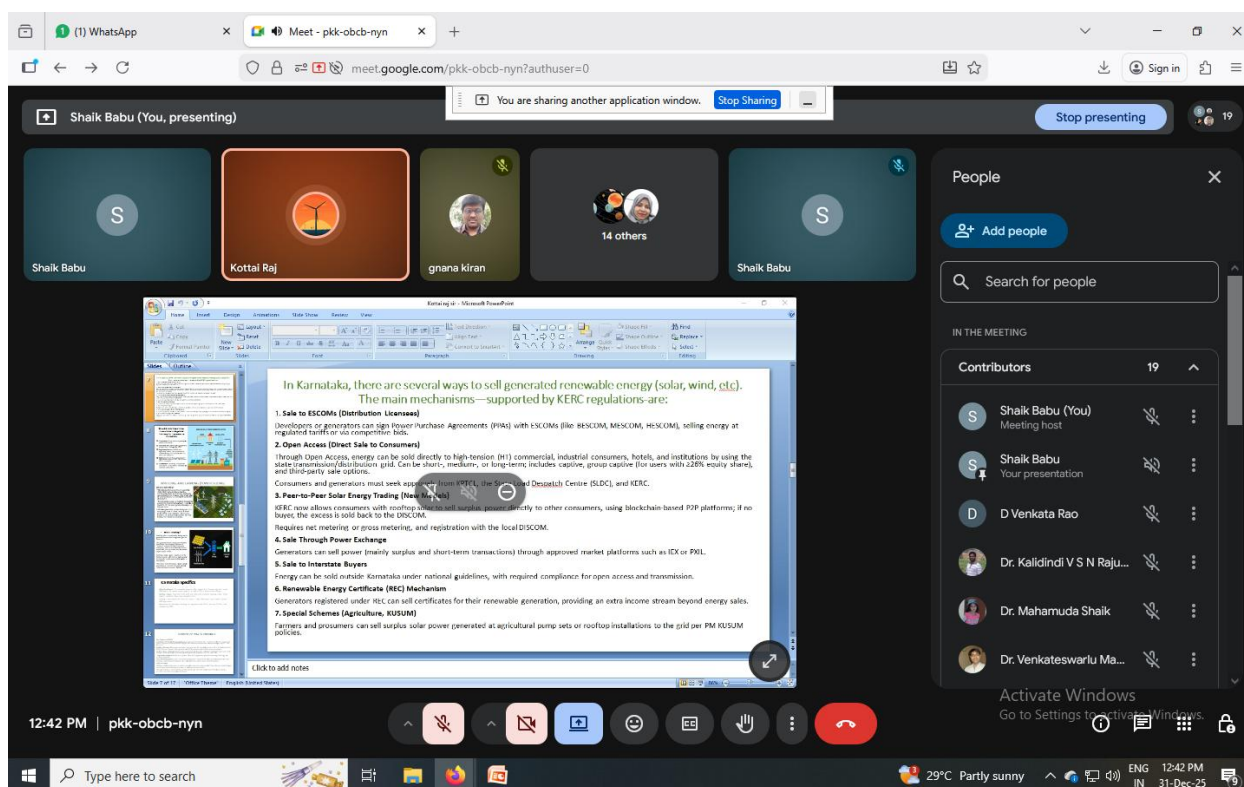
Dr. K. Swapna
Assoc. Prof & HOD Dept. of Physics, KLEF
swapnakon@kluniversity.in
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Scan Here



Registration

Registration link: <https://forms.gle/5fVilY3nyHKUnqr6> | Meeting link: <https://meet.google.com/pkk-obcb-nyn>



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- Dr. Kalidindi V S N Raju...
- Dr. Mahamuda Shaik
- Dr. Venkateswarlu Ma...

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12:42 PM | pkk-obcb-nyn

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29°C Partly sunny

ENG 12:42 PM
IN 31-Dec-25

Renewable Energy Sector

In Karnataka, there are several ways to sell generated renewable energy (solar, wind, etc). The main mechanisms—supported by KERC regulations—are:

1. Sale to ESCOMs (Distribution Licensees)
(Distributors or generators can sign Power Purchase Agreements (PPAs) with ESCOMs (like HESCO, MESCO, HESCO, selling energy at regulated tariff or via competitive bids).
2. Open Access (Direct Sale to Consumers)
Through Open Access, energy can be sold directly to high-tension (HT) commercial, industrial consumers, hotels, and institutions by using the state transmission (distribution) grid. Can be short-, medium-, or long-term; includes captive, group captive (for users with 225kV equity share), and third-party sale options.
Consumers and generators must seek approval from KPTCL, the State Grid and Dispatch Centre (SLDC), and KERC.
3. Peer-to-Peer Solar Energy Trading (Net Metering)
KERC now allows consumers with rooftop solar to sell surplus power directly to other consumers, using blockchain-based P2P platform; if no basis, the excess is sold back to the DISCOM.
Requires net metering or gross metering, and registration with the local DISCOM.
4. Sale Through Power Exchange
Generators can sell power (mainly surplus and short-term transactions) through approved market platforms such as IEX or PXIL.
5. Sale to Interstate Buyers
Energy can be sold outside Karnataka under national guidelines, with required compliance for open access and transmission.
6. Renewable Energy Certificate (REC) Mechanism
Generators registered under REC can sell certificates for their renewable generation, providing an extra income stream beyond energy sales.
7. Special Schemes (Agriculture, RUSUM)
Farmers and promoters can sell surplus solar power generated at agricultural pump sets or rooftop installations to the grid per PM KUSUM policies.

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