

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**ACADEMIC YEAR 2023-24 ODD**  
Internal Seminar– Report

**Title of the seminar** : “Sustainable Energy Sources”  
**Date** : 03.01.2024  
**Resource Person** : Mr.S.R.Karthikeyan, AP/EEE, KCE  
**Beneficiaries** : II-EEE - 55  
**Venue** : <https://meet.google.com/ewk-ceqq-txj>

The Department of EEE (Project club) organized an Internal Seminar on “**Sustainable Energy Sources**” for second year EEE students on **03.01.2024**. The main objective of the internal seminar is:

- To impart knowledge to students on the basics of sustainable energy.
- To provide adequate knowledge on various types of sustainable energy sources available in nature.
- To facilitate the use of these energies and utilize for their mini and main projects.

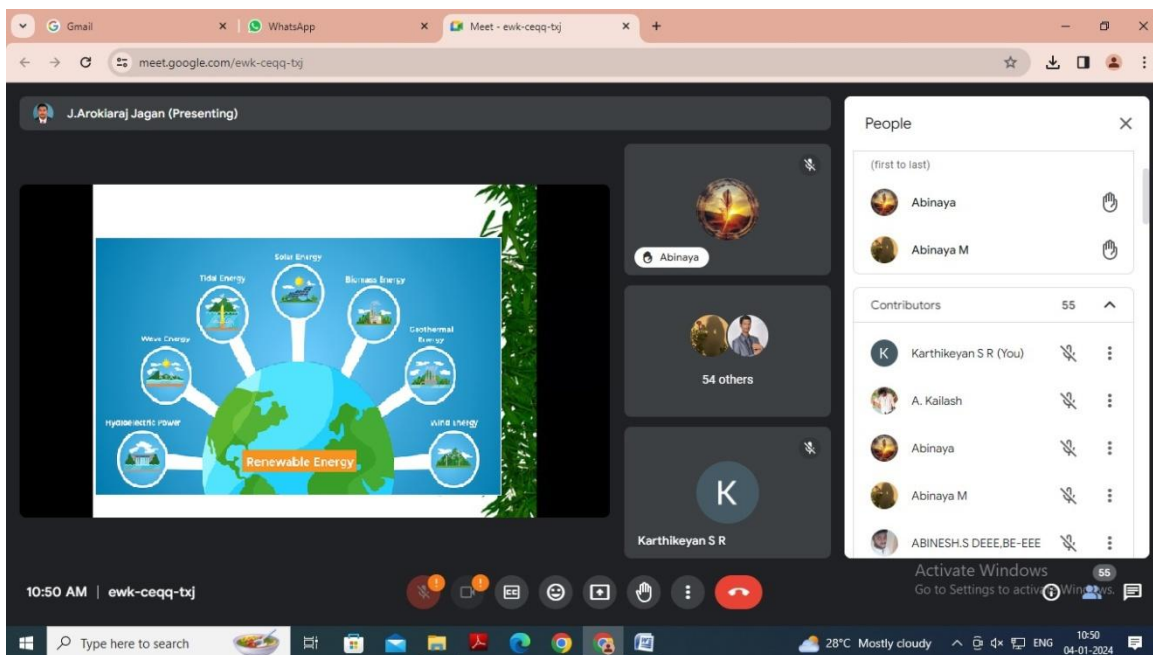
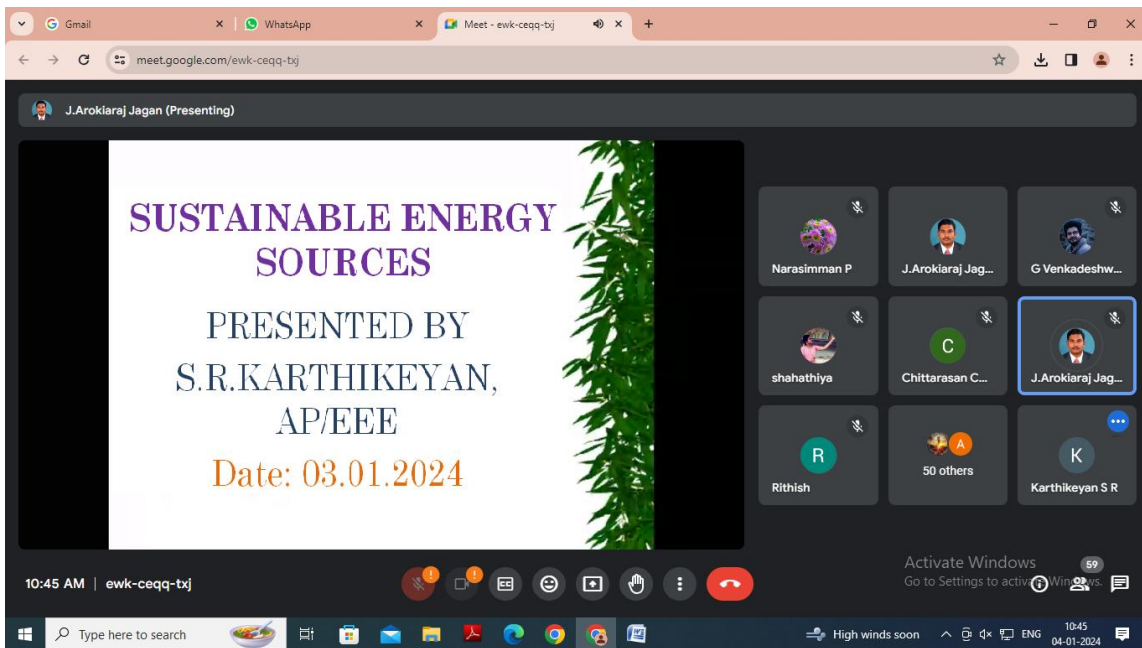
**The following points were discussed during the session:**

- Different types of sustainable energy sources
  - Solar Energy
  - Wind Energy
  - Geothermal Energy
  - Biomass Energy
  - Tidal Energy
  - Wave Energy
  - Hydroelectric power
- Sustainable Energy for All (SEforALL) is an international organization that works in partnership with the United Nations and leaders in government, the private sector, financial institutions, civil society and philanthropies to drive faster action towards the achievement of Sustainable Development Goal 7 (SDG7)

- Renewable energy in the future is predicted that by 2024, solar capacity in the world will grow by 600 gigawatts (GW), almost double the installed total electricity capacity of Japan. Overall, renewable electricity is predicted to grow by 1 200 GW by 2024, the equivalent of the total electricity capacity of the US.
- Recent studies show that a global transition to 100% renewable energy across all sectors – power, heat, transport and desalination well before 2050 is feasible.

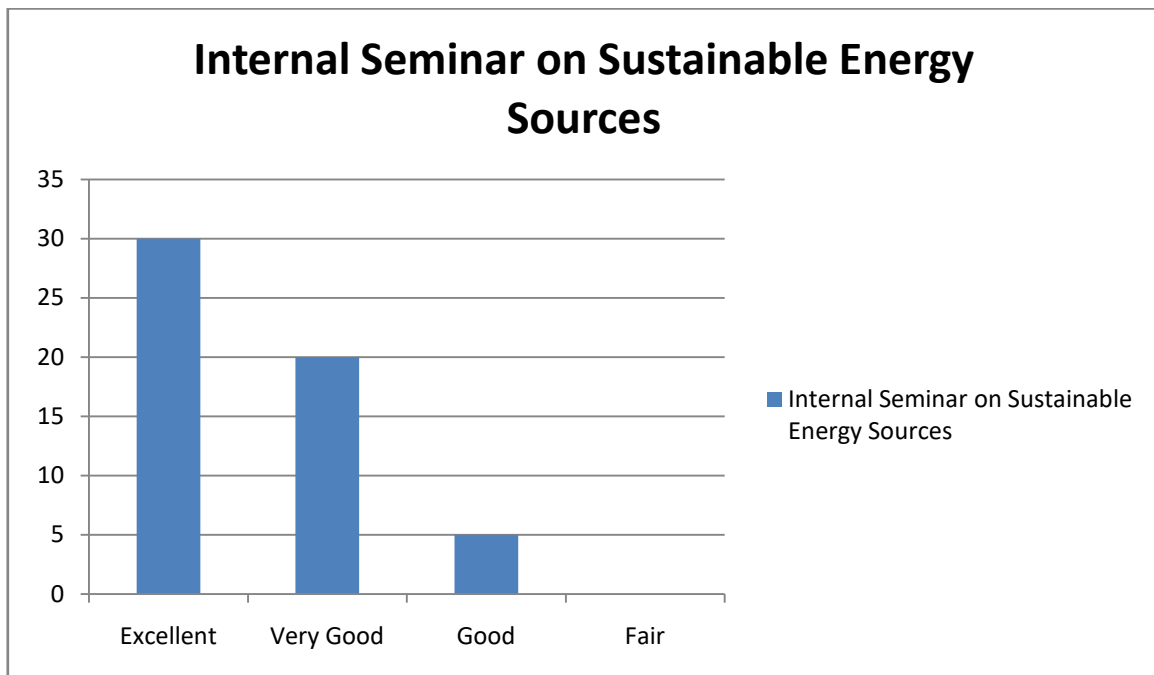
**Outcome:**

- Students can realize the impact of different sources of renewable energy in our real life.
- Students can understand the importance of sustainable energy sources.



Snapshot from Seminar

## Feedback Analysis:



## References:

- [1] [www.maine.gov/dep](http://www.maine.gov/dep)
- [2] <https://www.engpaper.com/eee/renewable-energy-2020.html>
- [3] [https://ieeexplore.ieee.org/document/9837910?utm\\_source=ieeespectrum&utm\\_medium=web&utm\\_campaign=ieeespectrum](https://ieeexplore.ieee.org/document/9837910?utm_source=ieeespectrum&utm_medium=web&utm_campaign=ieeespectrum)
- [4] <https://www.edfenergy.com/energywise/renewable-energy-sources>
- [5] <https://www.energy.gov/eere/renewable-energy>

## Faculty In-Charge

*S. R. Karthikeyan* 8/1/24  
**(Mr.S.R.Karthikeyan, AP/EEE)**

*A. Abhinav* 8/1/24  
**HOD/EEE**

*J. Praveen* 08/01/2024  
**Principal**