**Exit Ticket**

Name of the Participant : C.V.K.Bhanu

Email : [bhanucvk@gvpce.ac.in](mailto:bhanucvk@gvpce.ac.in) / [bhanucvk68@gmail.com](mailto:bhanucvk68@gmail.com)

Lecture Topic : Distributed Generation Vs. Centralized Generation

Link to the Google Form : https://forms.gle/XsG3AU1S9CupJ8L56

**Summary of Student Feedback – Exit Ticket**

**1. Quantitative Ratings**

* **Understanding of topic (1–5 scale)**:  
  + Average: **2.75** (indicates moderate to low understanding for many students)
  + Spread: Wide range (1–5), suggesting some students grasped it well while others struggled.
* **Interest level (1–5 scale)**:  
  + Average: **3.63** (moderately high interest)
  + Many found the topic engaging despite varied understanding.

**2. Key Learnings Students Reported**

* Core concepts: differences between **distributed** and **centralized generation**.
* Benefits of distributed generation: reduced transmission losses, local generation advantages, renewable integration.
* Real-life aspects: practical challenges, solar panel design, location impacts.
* Some retained only general impressions like “knowledge” or “subject,” hinting at surface-level recall for some.

**3. Questions Still Unanswered**

* How to minimize transmission losses over long distances.
* Environmental impact differences (life cycle) between centralized & distributed systems.
* Practical application of theoretical concepts.
* Challenges of integrating DG into existing grids.
* Some students reported no doubts — may indicate confidence or lack of deep engagement.

**4. Suggestions & Comments**

* Mostly positive — appreciation for interactive teaching style.
* Requests for **more practical examples and activities**.
* One suggestion to extend such teaching to junior years.
* A few said “No” to suggestions, showing satisfaction.

**Insights**

* **Interest is higher than understanding** — the topic is engaging but some students need clearer, deeper explanations.
* **Varied learning levels** — some students captured detailed concepts; others gave very generic responses.
* **Applied knowledge gap** — questions lean towards practical implications, suggesting students want real-world linkage.

**Recommendations for Improvement**

1. **Content Adjustments**
   * Include **step-by-step practical examples** (e.g., mini case studies, small-scale DG planning exercises).
   * Integrate **comparative visuals** for centralized vs distributed generation (loss diagrams, cost-flow charts).
   * Add **environmental and economic perspectives** explicitly, since some students asked about these.
2. **Teaching Approach**
   * Use **active learning**: group problem-solving on loss minimization, role-play as planners, or design challenges.
   * Conduct **formative checks** mid-class to identify students who are lagging and address gaps in real time.
   * Provide **short application tasks** at the end of each section to cement theory-practice linkage.
3. **Follow-up**
   * Address unanswered questions in the next session to reinforce a culture of curiosity.
   * Consider **tiered learning activities** — easy to advanced — to cater to varied understanding levels.