



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### ACTIVITY BASED LEARNING

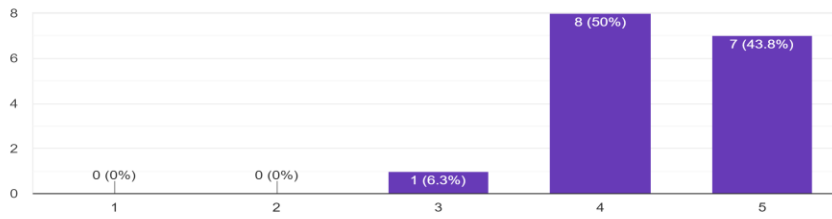
<b>Course Code &amp; Course Title</b>	: 19EC301-Electric Circuit Analysis
<b>Year/Sem/Branch</b>	: I/II/ECE
<b>Name of Faculty</b>	: Ms.J.C.Elizabeth
<b>Designation</b>	: Assistant Professor (OG)
<b>Unit Title</b>	: Unit-1 Basics of Circuit Analysis
<b>Topic</b>	: Ohm's Law
<b>LO</b>	: Apply Ohm's law to analyse Linear Electrical Circuits
<b>Bloom's Taxonomy Level</b>	: Analyse

S.No.	Title	Description
1	<b>Concept</b>	To determine the voltage, Current and Resistance in the circuit using ohm's Law for a given DC circuit.
2	<b>Challenges Faced</b>	<ul style="list-style-type: none"> <li>Understanding the Potential difference, current flow and Resistance in each branch of the circuit is difficult.</li> <li>Analyzing the complex circuit and identifying the parameters becomes difficult when we say only the concept.</li> </ul>
3	<b>Name of the Activity</b>	Flipped Class
4	<b>Description of the Activity</b>	I created and shared videos of Ohm's law Concept with a short note. Editing a Presentation track and uploading it in the YouTube channel was my first crucial step. I chose You Tube as hosting service as all the Learners will access all of my contents from my channel. In Moodle-LMS everything was streamlined in one place along with a Quiz. Quiz questions will pop out in-between the video so that I can monitor how well the concept have reached them based on the Quiz score.
5	<b>Feedback from Learners (Consolidated)</b>	<ul style="list-style-type: none"> <li>The way of teaching was very impressive</li> <li>Sharing videos and notes as a reference prior to class was very useful.</li> <li>They like the way of teaching and way of explaining.</li> </ul>
6	<b>Feedback of the Faculty about this activity</b>	The concept which took 45mins to explain with a problem was made easy to explain in 10mins video. Learners were able to visualize and repeat the video lecture as many times they want and it helped them even during exam preparation.

## Analysis Report Chart :

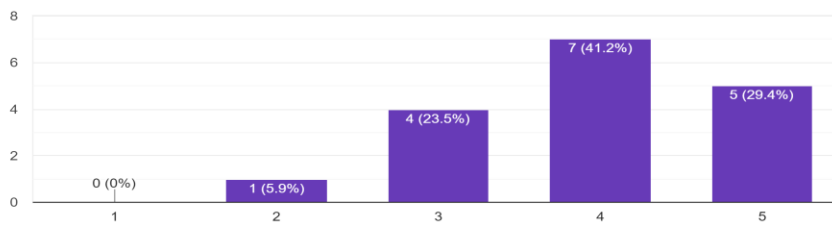
Relevance of the activity to the concept

16 responses



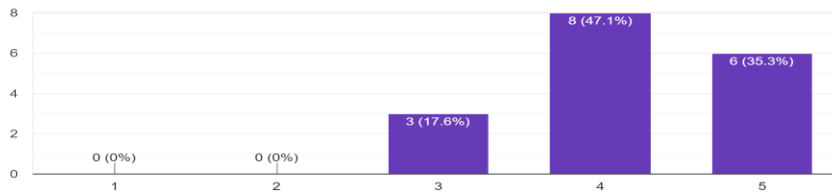
How far this activity is understandable when compared to chalk & board method of teaching

17 responses



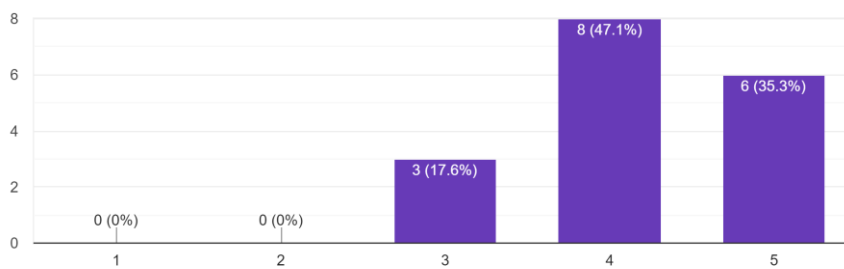
Faculty was able to explain the concept very easily through this activity.

17 responses



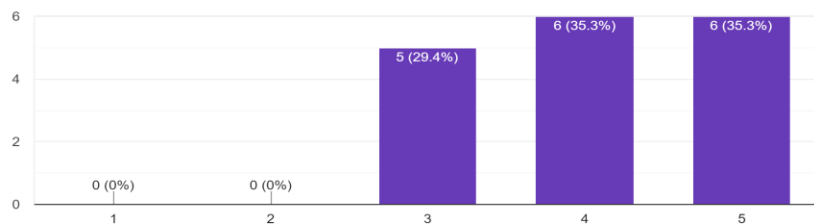
I was able to easily correlate the activity and the concept

17 responses



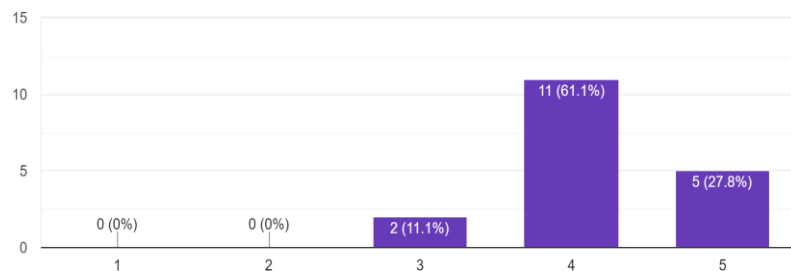
This activity helped me to have better understanding

17 responses



Overall, I would rate this activity as

18 responses



### Evidences/Proofs (To be attached along with this document)

I have attached the You-tube video link created by me for explaining the concept of ohm's law:

[OHM'S LAW | EXPLAINED WITH EXAMPLES | ELECTRIC CIRCUIT ANALYSIS|J.C.ELIZABETH - YouTube](#)

Presentation link (proof) :

<https://drive.google.com/file/d/1fpOKChuA31NVFdHVqF4NkcziDFjrPwA6/view?usp=sharing>

**Signature of the Course Faculty**

**Signature of HOD**