



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACTIVITY BASED LEARNING

Course Code & Course Title : EC 8701&ANTENNA AND MICROWAVE ENGG
Year/Sem/Branch : IV/VII/ECE
Name of Faculty : Dr . S. Asha
Designation : Professor
Unit Title : Passive and Active Microwave Devices
Topic : MAGIC TEE
LO : Design microwave system for the given application specifications
Bloom's Taxonomy Level : Apply

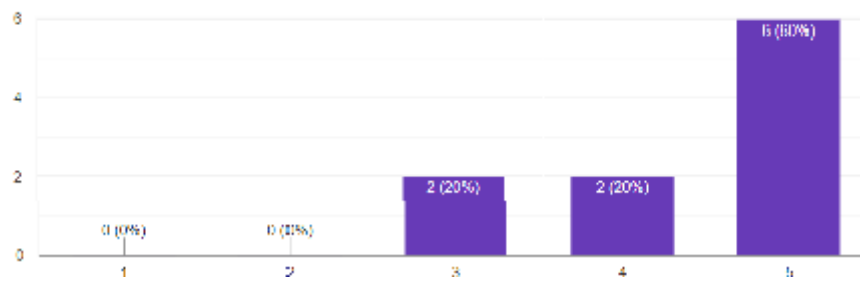
S.No.	Title	Description
1	Concept	To understand the concept of E tee, H tee and deduce the S matrix of Magic tee.
2	Challenges Faced	<ul style="list-style-type: none"> • Understanding the construction of tee junctions • Power flow through input and output ports • Combine the concept of E &H tee junctions
3	Name of the Activity	ROLE PLAY
4	Description of the Activity	The students are facilitated with idea of forming 3 groups among them to explain the concept of E and H tee visually with power flow through port 1,2,3 . Combining this concept of E and H tee , working of Magic tee is visualized. In activity 5 students perform the function of E tee...,i.e each student representing a port (student1,2,3)and 4 th &5 th student to represent Power flow in opposite directions by running through the ports.
5	Feedback from Learners (Consolidated)	<ul style="list-style-type: none"> • Facilitation of the faculty is excellent. • As the learners themselves are involved in the activity many ideas are put together. • Coordination with other teams and the peer.

6	Feedback of the Faculty about this activity	Students are very much interested in viewing the role play .Because of the visualization of topic understanding is made easier.
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Analysis Report Chart:

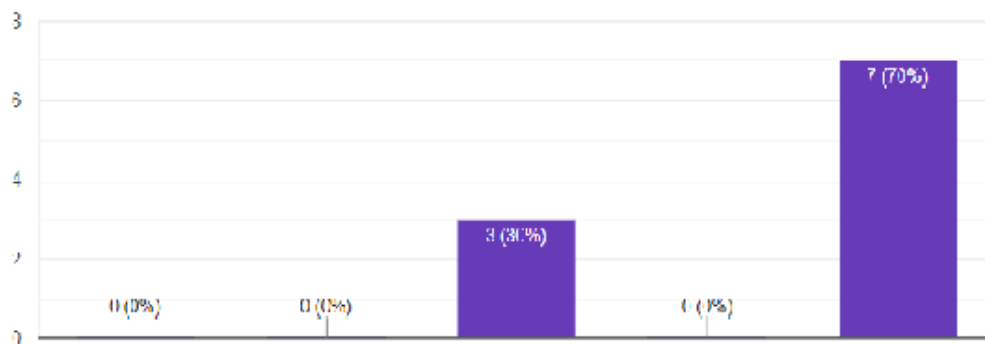
relevance of the activity to the concept

11 responses



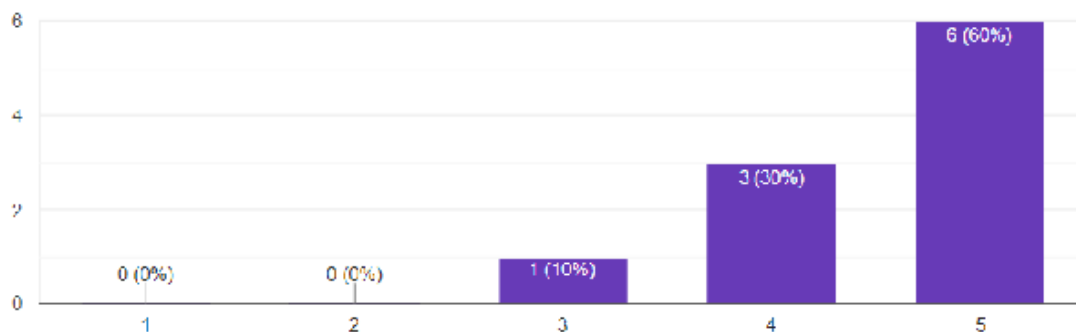
Faculty was able to explain the concept very easy through this activity

10 responses



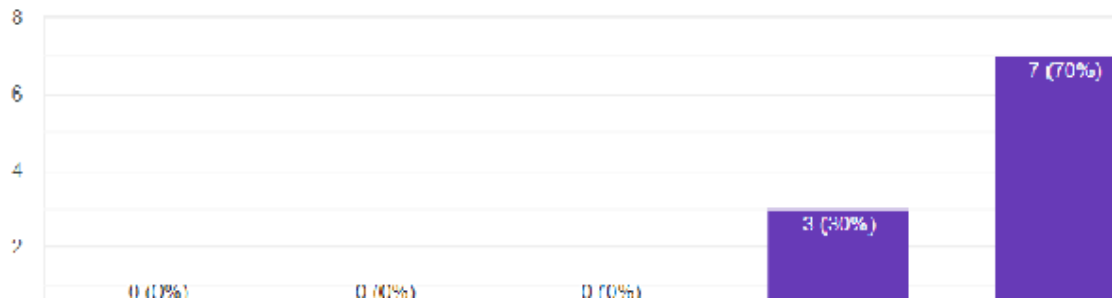
This activity helped me to have better understanding

10 responses



Overall I would rate this activity as

10 responses



Signature of the Course Faculty

Signature of HOD