Department of Electronics & Telecommunication Engineering
K. K. Wagh Institute of Engineering Education and Research
Hirabai Haridas Vidyanagari, Amrut Dham, Panchavati, Nashik-422003

Innovative Teaching - Learning Activities

Activity: Poster Presentation

Class: BE (E&TC)

Course: Microwave Engineering

Topic: Magnetron

Objectives:

1. Students should actively participate in teaching & learning.
2. Students should understand operating principle & applications of cavity magnetron.

Details of activity:

1. Groups of 3 to 4 students were formed.
2. Each group selected a topic related to their syllabus for poster presentation.
3. Each group designed a creative poster related to their topic.
4. Students explained their poster to the class.
5. Other students asked them doubts.
6. A technical feedback of poster presentation activity was collected from students.
7. Attainment of COs mapped due to this poster presentation activity was calculated.

Photograph:

Outcomes:

1. Students actively designed & presented posters to the class.
2. They understood the working & applications of Magnetron.

Edit this form

62 responses

View all responses Publish analytics

Summary

Student's Name

Pritam Chouhan
Tejas Labhashetwar
Aashay Kadu
Shruti bhavsar
sanket wagh
Ashish Choube
Himanshu Choube
pooja sanjay bhavar
swapnali Aher
Dipalee Kashinath Gangurde
Ashwini Kulkarni
Sadhana Dhongade
Monika kansara
DHIRAJ.V.MATLANI
DEVANSHI DATTANI
Pradnya Kulkarni
Apurva hedaoo
Sonali Mhatre
ANJANA SATHEESH
Zade Pratik
LEENA DIGHOLE
Tushar Pawar
Bageshri Jadhav
Chakor Akshada Shivaji
Azmina Maniyar
Aishwarya Wagh
Dipali Namdev Shelke
Bhagyashree yeole
Poonam Kisan Pawar
Mustafa pankhawala
Ashwini Gavhane
Pranali Anil Chavan

Aher Seema Vasant
Pooja Dilip Randive
Rubila Laishram
Farheen Tadavi
Monica Devi Soram
Vishal sepaia
Pooja Nerkar
Ruchita Lunawat
Aishwarya Bharambe
Megha gosavi
VINITA S SHAHU
Dinesh Sunil Bhadane
Rahul Tatar
SUJIT SONAWANE
Raut Aishwarya
Manali Dashpute
Ashwini Golait
SONALI VIJAY PARDESHI
Mayur waghulde
umita deepak joshi
Sarika mogare
nikhil bhavsar
Megha patel
Kshitij hiremath
Anuja Bhalsing
Shraddha Ahire
Harshada Nirgude
manisha c. topale
Chavan shweta ashok
ANKITA SHARMA

Roll Number

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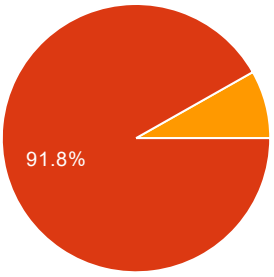
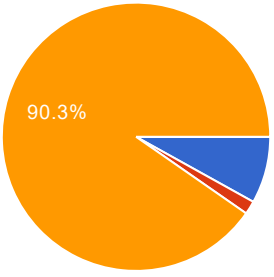
1. Magnetron is an example of



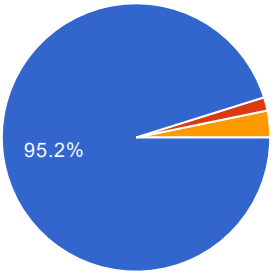
a. Microwave amplifier	**0**	0%
b. Microwave oscillator	**56**	91.8%
c. Microwave oven	**5**	8.2%
d. Microwave coupler	**0**	0%

2. Who invented the cavity magnetron?



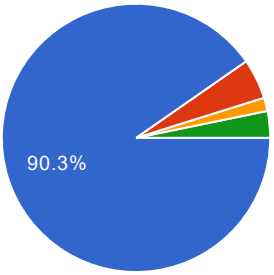
a. Hull	**5**	8.1%
b. Habann	**1**	1.6%
c. Randall & Boot	**56**	90.3%
d. Raman	**0**	0%

3. Material used for the anode of magnetron is



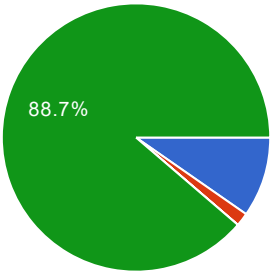
a. Copper	**59**	95.2%
b. Tungsten	**1**	1.6%
c. Iron	**2**	3.2%
d. Gold	**0**	0%

4. The minimum phase shift between two adjacent anode poles of 8 cavity magnetron is



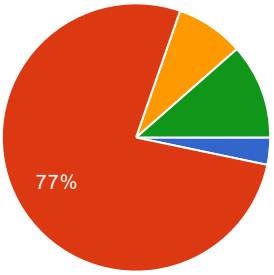
a. 45 degree	**56**	90.3%
b. 180 degree	**3**	4.8%
c. Integral multiple of 45 degree	**1**	1.6%
d. 360 degree	**2**	3.2%

5. Practically used mode of magnetron is

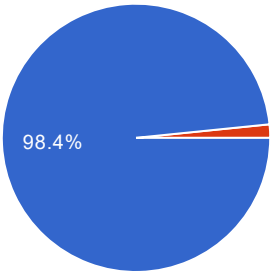


a. Self consistent mode	**6**	9.7%
b. Oscillating mode	**1**	1.6%
c. Fundamental mode	**0**	0%
d. Pi mode	**55**	88.7%

6. In magnetron, the applied magnetic field must be

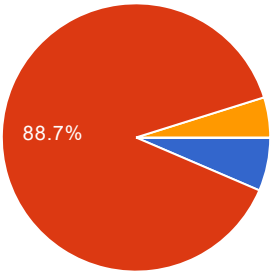


7. Unfavourable electrons causes



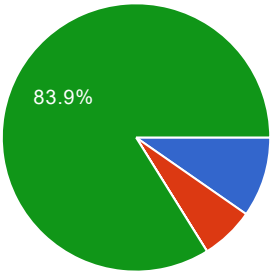
a. Back heating of cathode	**61**	98.4%
b. Back heating of anode	**1**	1.6%
c. Oscillations in gap	**0**	0%
d. Phase focusing effect	**0**	0%

8. The bunching of electrons in magnetron is called

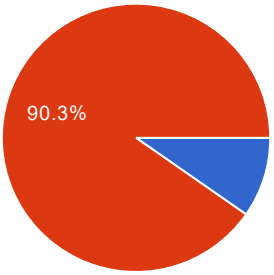


a. Strapping	**4**	6.5%
b. Phase focusing effect	**55**	88.7%
c. Velocity modulation	**3**	4.8%
d. Frequency pulling	**0**	0%

9. Technique used to prevent the mode jumping in magnetron is



10. The magnetic field in magnetron is



a. Radial	**6**	9.7%
b. Axial	**56**	90.3%
c. Tangetial	**0**	0%
d. Linear	**0**	0%

Number of daily responses