

Madhav Institute of Technology & Science, Gwalior

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Department of Electronics Engineering

Workshop on “RADAR Absorbing Structure” 22nd September 2022

Name of Event	Workshop on “RADAR Absorbing Structure”
Duration and Date	22nd September 2022
Coordinators	Dr. Vandana Thakare Dr. Karuna Markam Ms. Pooja Sahoo
Objectives	To aware students and faculties about Radar basics and history, Absorbing Structures, FSS based RADAR Absorbing Structure.
Outcome	Student and faculties were able to understand the design and concept of FSS based RADAR Absorbing Structure
Mode	Online
Expert	Mr. YashoVijay Singh RF and Microwave Engineer, Sterlite Technologies Limited
No. of Attendees	68
Joining Link	https://meet.google.com/rhw-vbzb-cqs
Lecture Recording Link	https://drive.google.com/file/d/18X9Iei66Eat2XpXIIQ9HD4RiIXEhkpou/view?usp=sharing

NAME	DATE ▼	ATTENDEES
Meet - rhw-vbzb-cqs Auto	Sep 20, 2022 5:10 AM	69 View Participants

The screenshot displays a Zoom meeting interface with four presentation slides from STU (Sri Tatyasaheb Kore University):

- Slide 1:** A spectrum plot showing radar signals with various frequency components.
- Slide 2:** A block diagram titled "Output of PA for two tone system" showing stages of 2nd-order and 3rd-order intermodulation, and suppression of 2nd-order and 3rd-order intermodulation products.
- Slide 3:** Three graphs showing simulated absorptivity (%) vs frequency (GHz) for different structures. Captions include: "Fig. 14. Simulated Absorptivity (%)", "Fig. 15. Simulated Absorptivity (%) with using FSS in air space having thickness of 4 mm and substrate thickness 1.3 mm", and "Fig. 16. Simulated absorptivity under oblique incidence angle-varies".
- Slide 4:** A diagram of an "FSS Based Radar Absorbing Structures" showing a circular structure with ports W_1 , W_2 , W_3 , and W_4 . Next to it is a graph of "Simulated Results" showing "Reflectance coefficient (dB)" vs "Frequency (GHz)" for R_{yy} and R_{xy} .

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
 A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal

DEPARTMENT OF ELECTRONICS ENGINEERING

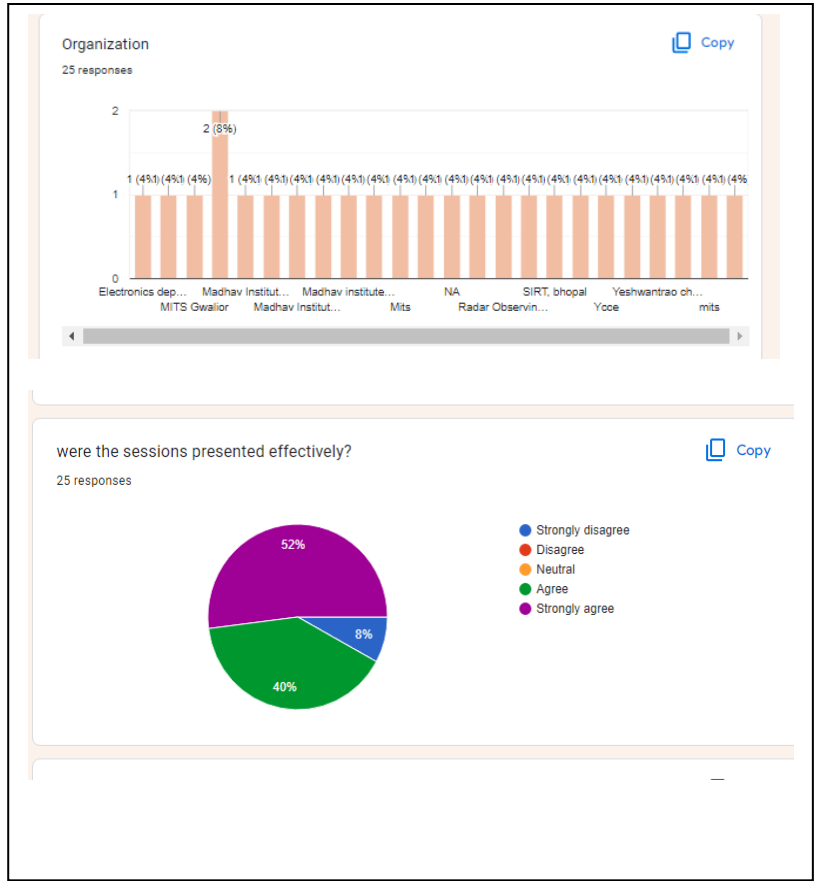
Organizing
ONE DAY WORKSHOP
 ON
"RADAR ABSORBING STRUCTURE"

22 SEPTEMBER 2022
THURSDAY
Mode-Online

LET'S JOIN NOW. FREE!
[HTTPS://FORMS.GLE/MPNMXPB4S3L4EJR8](https://forms.gle/MPNMXPB4S3L4EJR8)

E-CERTIFICATE FOR THE ATTENDEES

Coordinators
 Dr. Vandana Thakare Associate Professor
 Dr. Karuna Markam Assistant Professor
 Ms. Pooja Sahoo Assistant Professor



Questions	Responses	Settings
6284985554	7509433646	8103492510
		8827558557
		9109309999
		9826478

Most effective point which you have learned today?

25 responses

- 5G Small Cell Radio Unit.
- Power Amplifier of Radar
- About internship
- Learnt about intership
- Radar antenna system is old technology but now days it is more useful technology for our daily life and safety purpose of our country
- He has explained beautiful concepts of radar systems and learnt of microwave Devices.
- Today I HAVE LEARNT 5G SMALL SELL RADIO UNIT I UNDERSTAND CLEARLY ABOUT THIS VERY HELPFUL FOR ME THANK YOU.
- I have learn Today sessions Learn how to test setup a spectrum analyzer transmitter using the 5G NR measurement app.

Attendance

Sr. No.	Full Name	Sr. No.	Full Name
1.	0901EC191070 NAMAN GUPTA	35.	AASHI SHARMA
2.	0901EC191073 NIKITA UJJWAL	36.	ADITYA YADAV
3.	0901EC191094 RAVI KUSHWAH	37.	AMAN SINGH SIKARWAR
4.	0901EC191131 VISHAL KHATIK	38.	ANURAG SANODIYA

5.	0901EC191132 VIVEK SINGH BHADOURIA	39.	ARBHITA MANI TRIPATHI
6.	0901EC201007 ABHISHEK	40.	ARINJAY JAIN
7.	0901EC201081 PRANAV SONI	41.	ASHUTOSH BHADOURIA
8.	0901EC201118 SUHANI KANSAL	42.	D. K. PARSEDIYA
9.	0901EC201127 UTKARSH TRIPATHI	43.	DR. P.K. SINGHAL
10.	0901EC201128 VAIBHAV SHARMA	44.	DR. R. P. NARWARIA
11.	0901EC201131 VIKASH YADAV	45.	DEVENDRA SINGH TOMAR
12.	0901EC201136 VIVEK KUMAR AMRAWANSHI	46.	DR. HEMANT CHOUBEY
13.	0901EC203D05 SANJAY SINGH	47.	DR. LAXMI SHRIVASTAVA ELEX
14.	0901EC211136 VIVEK CHOURE	48.	DR.SUSHMITA CHAUDHARI
15.	0901EE201056 HIMANSHU ARYA	49.	EC1022 ANKIT
16.	0901EE211101 SARGAM DAHARE	50.	EC1098 RISHITA SINGH
17.	0901EE211103 SHASHANK BHARGAVA	51.	EC203D06 SATYAM SURYAVANSHI
18.	0901EE211112 SOMESH BAJPAI	52.	EE1004 ABHISHEK JANGARIYA
19.	0901EE211123 UTKARSH GUPTA	53.	ET1019 GHANSHYAM PATIDAR
20.	0901ET191024 GOURAV CHOURASIYA	54.	ET1053 RIYAGOHERE
21.	0901ET201011 ASHUTOSH PALIWAL	55.	ET3D01 KHUSHAL KHAIRWA
22.	0901ET201013 ASHUTOSH SHARMA	56.	HIMANSHU SAHU
23.	0901ET201018 DIVYANSH GOUR	57.	JAYT
24.	0901ET201031 KANCHI KHANDELWAL	58.	KESHAV MISHRA
25.	0901ET201034 MANSHARAM	59.	MADHAV SINGH
26.	0901ET201042 RAHUL BRIJPURIYA	60.	MIHIR NIGHOJKAR
27.	MAYANK SIKARWAR	61.	SURYANSH
28.	ANKIT CHATURVEDI	62.	VANDANA THAKRE
29.	PARTH MAHAJAN	63.	VIJAYSHREE SARASWAT
30.	PRIYANSHI PRAJAPATI	64.	VINAY BAGRI
31.	RAHUL KUSHWAH	65.	YASHO VIJAY SINGH YADAV
32.	RISHIKA JAISWAL	66.	PRATIKSHA WANARE
33.	SAMRUDDHI SHYAMKUWAR	67.	SATYENDRA PATIDAR
34.	SAMEER AGARWAL	68.	SHUBHAM BORULE



Pooja Sahoo
Assistant Professor



Dr. Karuna Markam
Assistant Professor



Dr. Vandana V. Thakare
Associate Professor