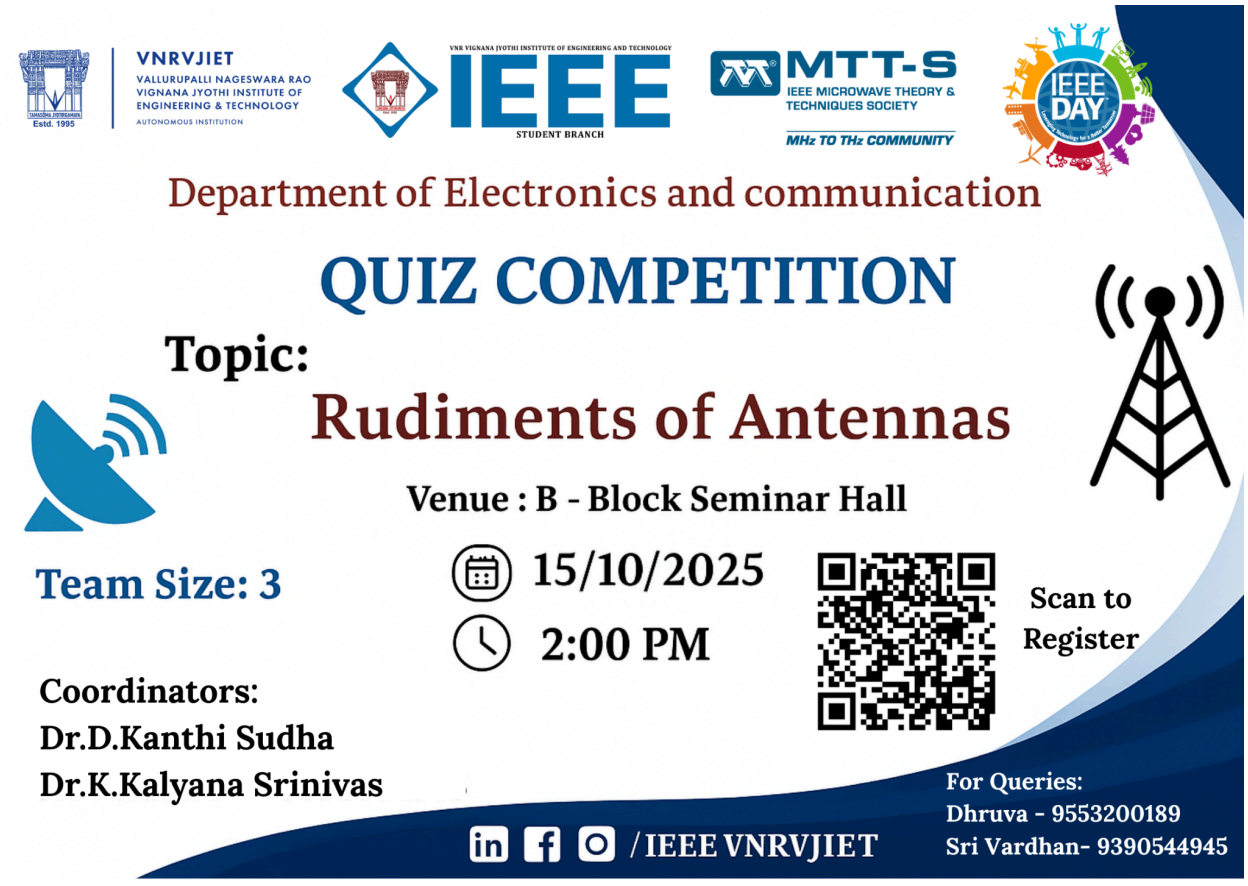
REPORT ON RUDIMENTS OF ANTENNA 2K25 (QUIZ)

Date:- 15th October, 2025

Venue:- B block Seminar Hall

Time:- 02:00 AM – 04:30 PM

Participant Teams :- 15



The event *RUDIMENTS OF ANTENNA 2K25* was conducted on **15th October 2025** at **VNR VJIET**, organized by the **IEEE Microwave Theory and Techniques Society (MTT-S) Student Chapter**. The primary objective of the event was to enhance students' understanding of antenna concepts, strengthen their analytical and problem-solving abilities, and encourage innovation and technical excellence in the field of communication engineering.

Event Overview

RUDIMENTS OF ANTENNA 2K25 was structured as a **three-round technical competition** exclusively designed for **3rd-year ECE students** to assess their theoretical knowledge and practical understanding of antenna principles.

The event received active and enthusiastic participation, providing students with an opportunity to apply their classroom learning to real-world communication problems. Participants showcased exceptional teamwork, logical reasoning, and technical acumen throughout all three rounds.

> **Round 1:** Focused on basic antenna fundamentals, including radiation mechanisms, types of antennas, and key parameters such as gain and directivity. Participants answered a quiz that tested their conceptual knowledge and foundational understanding.
>
> **Round 2:** Consisted of advanced-level quiz questions emphasizing antenna design, impedance matching, and radiation characteristics. Based on performance, the **top 5 teams** were shortlisted for the final round.
>
> **Round 3 (Final Round):** The final stage involved challenging conceptual and application-based quiz questions, testing participants' comprehensive understanding of antenna theory and electromagnetic concepts. From these finalists, the **top 3 teams** were declared winners and awarded with rewards and certificates for their outstanding performance.

The event fostered a **competitive yet collaborative environment**, motivating students to explore diverse concepts in antenna engineering and wireless communication while learning from their peers.

Participation and Engagement

The contest witnessed enthusiastic participation from **3rd-year ECE students**, reflecting their deep interest in communication systems and antenna technologies. Participants demonstrated strong analytical and problem-solving abilities while tackling technical challenges under time constraints.

Each round progressively advanced in complexity—starting with fundamental questions and culminating in detailed problem-solving related to practical antenna behavior. This structure ensured that participants not only revised core concepts but also developed a deeper technical insight.

Faculty coordinators and student organizers played an essential role in ensuring smooth event execution, maintaining discipline, and creating an engaging and interactive learning atmosphere throughout the competition.

Outcome

RUDIMENTS OF ANTENNA 2K25 successfully achieved its aim of nurturing innovation, conceptual clarity, and technical proficiency among ECE students. The event provided participants with valuable exposure to the practical and analytical aspects of antennas, bridging theoretical learning with real-world applications.

Through its structured quiz rounds, the competition enhanced participants' confidence in understanding radiation patterns, antenna parameters, and design considerations. The **top 3 teams** were recognized and rewarded for their exemplary performance, while all participants were appreciated for their enthusiasm, teamwork, and consistent effort.

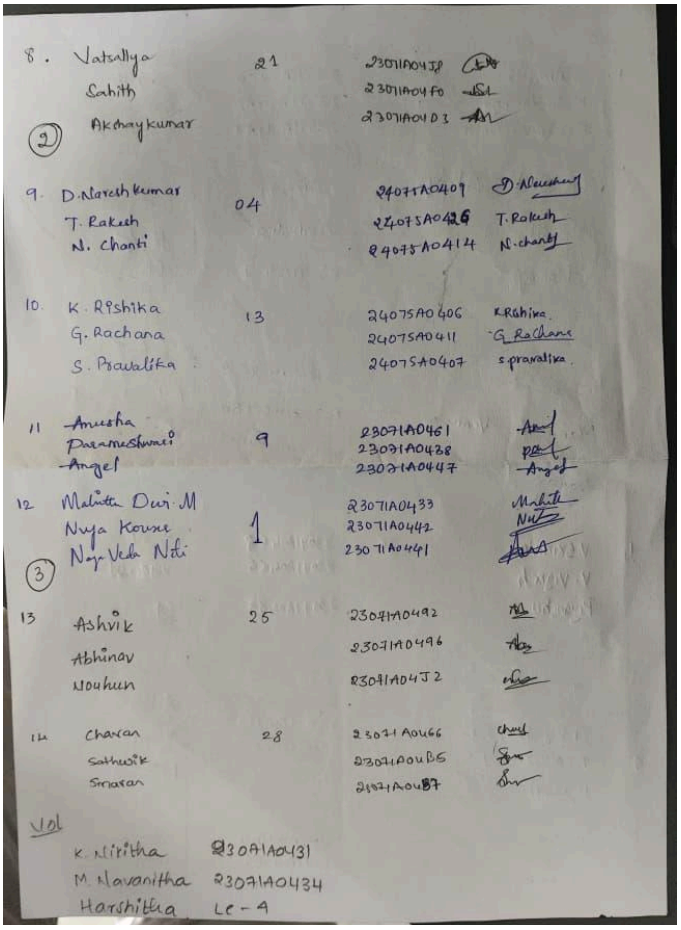
Overall, the event served as an inspiring platform that promoted learning through interaction and competition, leaving a positive impact on the students' academic and professional growth.

Conclusion

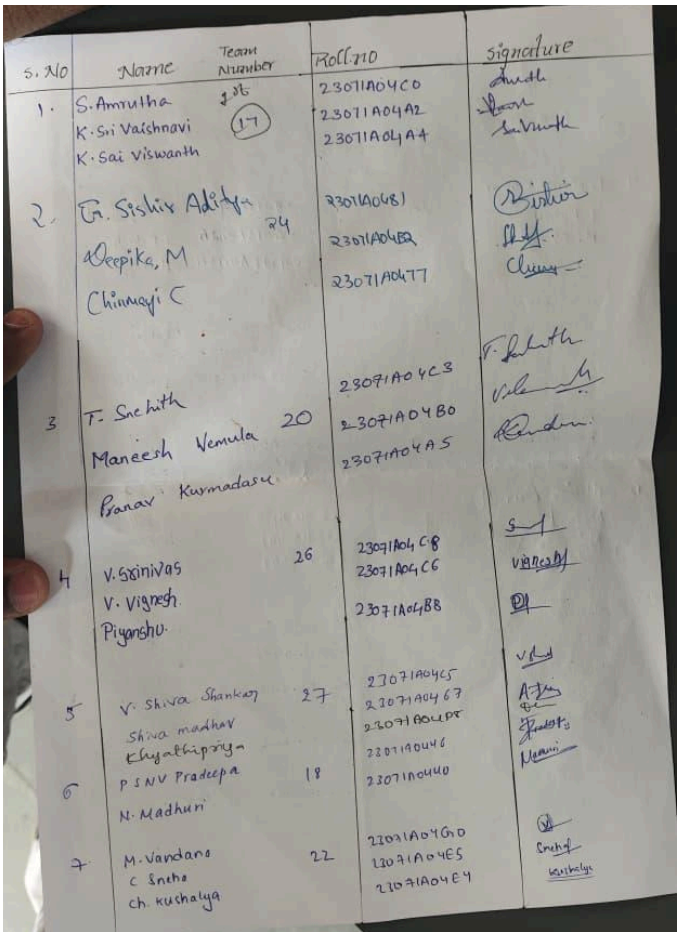
RUDIMENTS OF ANTENNA 2K25 proved to be a resounding success, effectively combining theoretical knowledge with practical understanding in the domain of antennas and microwave engineering. The event fostered analytical thinking, teamwork, and curiosity among participants, encouraging them to delve deeper into antenna design and communication system concepts.

By integrating progressively challenging rounds, the competition strengthened the participants' problem-solving skills and conceptual grasp. Looking ahead, future editions of *RUDIMENTS OF ANTENNA* can incorporate simulation or demonstration-based tasks to further enhance experiential learning, helping students connect theoretical principles with real-time antenna behavior.

Attendance Sheet:



8.	Vatsallya Sahith	21	23071A04J8 23071A04F0	
(2)	Akshaykumar		23071A04D3	
9.	D. Naresh kumar	04	24075A0409	D. Naresh kumar
	T. Rakesh		24075A0426	T. Rakesh
	N. Chanti		24075A0414	N. chanti
10.	K. Rishika	13	24075A0406	K. Rishika
	G. Rachana		24075A0411	G. Rachana
	S. Pravalika		24075A0407	s pravalika
11	Anusha Parameshwari Angel	9	23071A0461 23071A0438 23071A0447	
12	Malvika Devi M Nuja Kousar Naga Veda Niti	1	23071A0433 23071A0442 23071A0441	
(3)				
13	Ashvik Abhinav Nouhuin	25	23071A0492 23071A0496 23071A04J2	
14	Charan Sathwik Sriaran	28	23071A0466 23071A04B5 23071A04B7	
Vol	K. Niritha	23071A0431		
	M. Navanitha	23071A0434		
	Harshitha	Le-4		



S.NO	Name	Team Number	Roll.no	Signature
1.	S. Amrutha	17	23071A04C0	
	K. Sri Vaishnavi		23071A04A2	
	K. Sai Viswanth		23071A04A4	
2.	G. Sishir Aditya	24	23071A0481	
	Deepika, M		23071A04E2	
	Chinmayi C		23071A0477	
3	T. Snehith	20	23071A04C3	
	Maneesh Vemula		23071A04B0	
	Pranav Kumadasu		23071A04A5	
4	V. Srinivas	26	23071A04C8	
	V. Vignesh		23071A04C6	
	Piyanshu		23071A04B8	
5	V. Shiva Shankar	27	23071A04C5	
	Shiva madhav		23071A0467	
	Khyathipriya		23071A04D8	
6	P S N V Pradeepa	18	23071A0446	
	N. Madhuri		23071A0440	
7	M. Vandana	22	23071A04G0	
	C Sneha		23071A04E5	
	Ch. Kushalya		23071A04E4	

Event Photos: