RAMACHANDRA COLLEGE OF ENGINEERING
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NBA (EEE, Civil, ME, ECE & CSE)
ISO 9001:2015 Certified

Format: 9014/0

A REPORT ON 2-DAY HANDS-ON WORKSHOP ON "ANTENNA DESIGN USING HFSS" from 17th to18th September 2025"

Organized by	**: Department of Electronics & Communication Engineering**
Association with	**: DST-GITAM Technolgy Enabling Center.**
Name of the Resource Person(s)	**: 1. Dr Bappaditya Roy**
	2. Mr. Ajay Kumar
Designation	**: 1. Associate Professor GRADE-2 School of Electronics Engineering (SENSE) VIT University, Amaravathi, AP**
	: 2. Research Scholar, School of Electronics Engineering (SENSE) VIT University, Amaravathi, AP
Venue	**: VI- 203**
Date(s)	**: From 17.09.2025 to 18.09.2025**
Time	**: 09.30 AM to 4.30 PM**
Name of the Coordinator(s)	**: 1. Dr. J Prasanth Kumar, Professor (ECE) &**
	2. Mr. G. Vinod, Assistant Professor (ECE)
No. of participants	**: 59**
Conducted for	**:**

Branch	Year	Semester	No of Students Attended
ECE	III & IV	I	59
Total No of Students Attended			59

Profile of the Resource Person

Bappadittya Roy obtained B.Tech and M.Tech degrees in Electronics and Communication Engineering under West Bengal University of Technology, West Bengal, India. He obtained his Ph.D. degree in 2018 from the Department of Electronics and Communication Engineering at the National Institute of Technology, Durgapur, West Bengal, India. Presently, he is attached as an Associate Professor in the School of Electronics at Vellore Institute of Technology, Amaravati, Campus.

He has several indexed publications including articles in reputed Journals, conferences, Book and book chapters. As of now he published 61 research journals, 45 International conferences, 2 books, 10 book chapters. Dr. Roy serve as a General Chair of the IEEE conferences AISP 2021 to 2024 and upcoming AISP 2025 at VIT-AP. Also been involved in a few reputed international conferences and seminars as an organized committee member/session chair, etc. He is a senior member of the IEEE. He received Outstanding Faculty Advisor award 2025 under IEEE MTT/APS EMC Hyderabad Section. His research areas include Microstrip Antennas, fractal/MIMO antennas and mobile communication. He is one of the core members of the Antenna Group in VIT-AP. Under his research group currently, 10 scholars (including 6 PhD and 6 graduate students) doing research in various research domains on Antenna. A few research recognizes internationally like the Young Scientist Award URSI 2024 Spain, PhD

Poster of the Event

RAMACHANDRA COLLEGE OF ENGINEERING

Department of ECE

Organaising A Two Day Workshop on

Antenna Design for IOT applications using HFSS Software

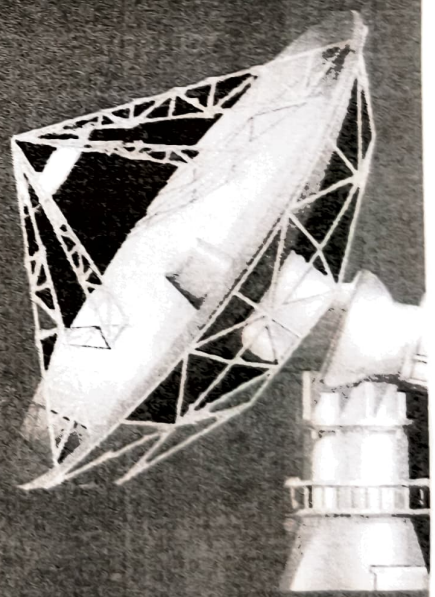
In Association with

DST-GITAM TECHNOLOGY ENABLING CENTER

Resourse Person:

Dr. Bappadittya Roy

Associate Professor Grade 2
School of Electronics Engineering (SENSE)
Specialisation: Wireless communication, Characterization of Dielectric Material, Microstrip Antenna, Microwave & Millimeter-wave communications



Convener:

Dr. B. Raghavaiah
[HOD ECE department]

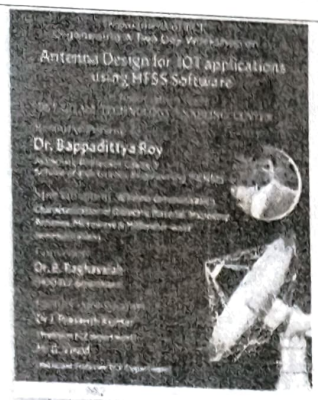
Faculty coordinators:

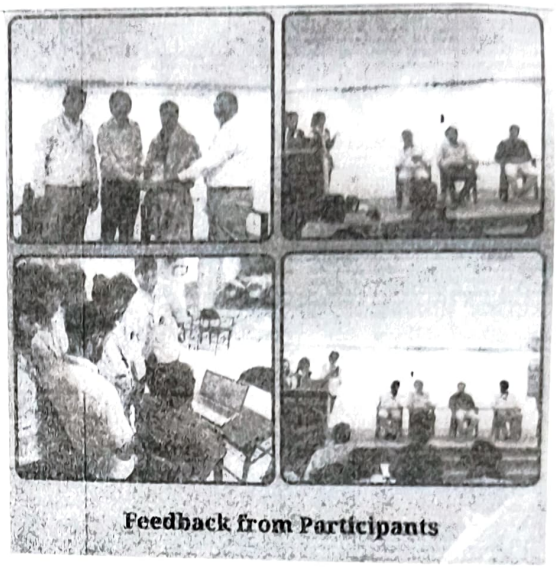
Dr J. Prasanth Kumar
[Professor ECE department]

Mr G .Vinod
[Assistant Professor ECE Department]

17-18th Sep 2025 VI-203 10:00am to 5:00pm

Few Glimpses of the event:





4. Feedback from Participants

Sl. No.	Name of Student	Department / Year	Content Quality (1–5)	Hands-on Training (1–5)	Resource Persons (1–5)	Overall Rating (1–5)	Remarks
1	M. N.Vineela	ECE – IV Year	5	5	5	5	Excellent workshop, very informative. Learned a lot about HFSS.
2	G. Karthik	ECE –III Year	4	5	5	5	Hands-on sessions were very useful and easy to follow.
3	B.Subbalakshmi	ECE – IV Year	5	4	5	5	Very good exposure to antenna design. Want more

							advanced topics.
4	B.Kruparani	ECE – III Year	4	4	4	4	Workshop was good, more time needed for practice.
5	Ch.Vyshnavi	ECE – III Year	5	5	5	5	Excellent sessions, resource persons explained concepts clearly.

5. Remarks from the Resource Person

" The resource person appreciated the efforts of the Coordinator Dr J Prasanth Kumar , Professor, Mr G .Vinod Department of Electronics and Communication Engineering for organizing the **Two-Day Workshop on Antenna Design using HFSS** and commended the active participation of students and faculty members.

- The students showed **keen interest and enthusiasm** in learning both the theoretical and practical aspects of antenna design.
- Participants were quick to grasp the **software environment of HFSS** and were able to simulate and analyze antennas independently by the end of the sessions.
- The workshop provided a **valuable platform for bridging academic knowledge with industry-level tools**.
- Students were encouraged to take up **antenna-based projects, publish research papers**, and explore opportunities in RF and wireless communication domains.

Coordinator **HoD** **Dean-Academics** **Principal**