

# **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

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

NAAC Accredited with A++ Grade

## **Department of Electronics Engineering**

### **Report of Workshop**

Date: 06.10.2023

**Name of Activity:** Workshop on “Recent Trends and internship opportunities in Electronics Engineering”.

**Date of Activity:** 06.10.2023

**Name of Coordinator:** Dr. Vikas Mahor.

**Number of participants attended the online workshop:** 68

**Name of Expert :** Mr. Yashu Vijay Yadav, Scientist, MeITY, Government of India

#### **Introduction:**

The one-day online workshop on "Recent Trends and Internship Opportunities in Electronics Engineering" was organized to provide insights into the dynamic landscape of electronics engineering and to shed light on the emerging trends and opportunities in the field. The workshop was conducted by a coordinator and an expert, a distinguished scientist from the Ministry of Information Technology and Electronics, specializing in VLSI and Antenna design.

#### **Workshop Agenda:**

The workshop commenced with an introduction to the objectives and structure of the event by the coordinator, outlining the importance of staying updated with the latest trends in electronics engineering and the significance of internships in honing practical skills.

#### **Session 1: Emerging Trends in Electronics Engineering:**

The expert delved into the rapidly evolving landscape of electronics engineering, emphasizing key areas such as Internet of Things (IoT), Artificial Intelligence (AI), Robotics, and Embedded Systems. The participants gained insights into the integration of these technologies, paving the way for innovative solutions in various industries.

#### **Session 2: Internship Opportunities in Electronics Engineering:**

The expert elaborated on the importance of internships as a bridge between academic learning and real-world applications. They provided guidance on identifying suitable internships, preparing

effective resumes, and showcasing relevant skills to prospective employers. Furthermore, the expert highlighted the role of internships in gaining hands-on experience, building professional networks, and exploring career paths in electronics engineering.

### **Session 3: VLSI and Antenna Design:**

In this specialized session, the expert delved into the intricacies of Very Large Scale Integration (VLSI) and Antenna design, sharing their expertise and practical insights gained from years of experience in the field. The participants learned about the latest advancements, challenges, and opportunities in VLSI and Antenna design, with a focus on their applications in modern electronics devices and communication systems.

### **Interactive Q&A Session:**

The workshop concluded with an interactive Q&A session, allowing participants to seek clarification on various topics discussed throughout the day. Participants engaged in fruitful discussions with the expert, gaining deeper insights into specific areas of interest and clarifying doubts regarding internship opportunities and career prospects in electronics engineering.

### **Key Takeaways:**

Awareness of emerging trends such as IoT, AI, Robotics, and Embedded Systems in electronics engineering.

Understanding the significance of internships in gaining practical experience and enhancing employability.

Insights into VLSI and Antenna design, including applications and career opportunities in these specialized fields.

Guidance on navigating internship opportunities and building a successful career in electronics engineering.

### **Conclusion:**

The one-day online workshop on "Recent Trends and Internship Opportunities in Electronics Engineering" provided valuable insights and guidance to participants, equipping them with the knowledge and resources to navigate the dynamic landscape of electronics engineering effectively. The expertise shared by the distinguished scientist and the engaging discussions throughout the workshop contributed to a fruitful learning experience for all participants, empowering them to pursue rewarding careers in the field of electronics engineering.

## Snapshots of the Workshop:

meet.google.com/tai-zczj-mua?authuser=1

0901ET221015 AYUSH YADAV  
Yasho Vijay Singh Yadav  
J Usrethe  
0901EC221003 ABHAY YADAV  
0901EC221087 RATNESH ASATI  
0901ET221025 HARSHA CHIKANE  
Yuvraj Soni  
61 others  
J Usrethe has raised a hand Open queue

meet.google.com/tai-zczj-mua?authuser=1

Yasho Vijay Singh Yadav (Presenting)

### Sectors with Active Demands of Electronics Engineer in Indian Market

- Electronics
- Communication/Telecommunication
- RF & Microwave
- Aviation/Aerospace
- Material Science
- Robotics
- Quantum

Farfield (PAA\_FA\_FREQ) [Array Scanning]

Type	Farfield
Approximation	evaluated (k > > 1)
Component	Abs
Output	Gain
Frequency	3.5 GHz
Real Eff.	-2.803 dB
Tot. Eff.	-4.623 dB
Gain	13.07 dB

06-10-2023

4:13 PM | Workshop: Recent Trends and internshi...  
81

*Dr. Vikas Mahor*

**(Dr. Vikas Mahor)**  
Coordinator

*Dr. V. V. Thakare*

**(Dr. V. V. Thakare)**  
Coordinator