

Workshop on Inverters
Organized by: Electrical Engineering Department
Faculty of Engineering and Technology, Gurukula Kangari (Deemed to be University),
Haridwar
Date: 31st December 2024

Introduction

The Electrical Engineering Department of the Faculty of Engineering and Technology at Gurukula Kangari (Deemed to be University), Haridwar, organized a comprehensive workshop on **Inverters and their Technology** on 31st December 2024. The event aimed to provide hands-on experience and knowledge about the basics and advanced concepts of inverters to budding engineers. The workshop was a great success, with enthusiastic participation from students and guidance from experienced professionals.

Objectives

The workshop was designed with the following objectives:

- To provide students with a strong foundation in the basics of inverters and their technological significance.
- To offer practical guidance on building an inverter.
- To encourage students to explore and adapt to emerging technologies in the electrical engineering field.

Key Participants

1. **Coordinator:** Gajendra Singh Rawat (Head of the Department, Electrical Engineering)
 - Mentored and motivated students throughout the workshop.
 - Provided insightful discussions on the basics of inverters and their practical applications.
2. **Subject Matter Expert:** Sanjay Verma Ji
 - Delivered a hands-on session guiding students on how to design and build an inverter.
 - Shared expert insights into the critical components and functions of inverters.
3. **Dean of Faculty of Engineering and Technology:** Professor Vipul Sharma
 - Addressed the participants and encouraged both the students and the Electrical Engineering Department for their efforts and dedication.
 - Applauded the initiative to organize such workshops to bridge the gap between theoretical learning and practical applications.

Student Participation

The following students actively participated in the workshop and gained valuable insights:

1. **Abhishek Kumar**

2. **Akshay Bhatia**
3. **Deepak Kumar**
4. **Devansh Gupta**
5. **Sumit Saini**
6. **Vaibhav Sharma**
7. **Kartik Kumar**
8. **Shivam**

Highlights of the Workshop

- The workshop began with an introduction to inverter basics by the Coordinator, Mr. Gajendra Singh Rawat.
- The Subject Matter Expert, Mr. Sanjay Verma, led an interactive session on the construction and operation of inverters, emphasizing real-world applications.
- Students worked on hands-on exercises, building basic inverters under expert supervision.
- The Dean, Professor Vipul Sharma, delivered a closing address, inspiring students to continue exploring and innovating in the field of electrical engineering.

Feedback and Outcomes

The workshop was highly appreciated by the participants. They expressed their gratitude for the opportunity to gain practical experience and interact with industry experts. Students felt more confident about their understanding of inverters and their application in real-world scenarios.

Conclusion

The workshop was a resounding success, achieving its objectives of providing both theoretical and practical insights into inverter technology. The Electrical Engineering Department, under the leadership of Mr. Gajendra Singh Rawat and with the support of Professor Vipul Sharma, demonstrated its commitment to fostering innovation and skill development among students.