

## Expert Lecture

### On

## Relay Testing and Coordination

**Facilitators/Resource Persons:** Mr. Ronak Nanavati from Shikhar Associates, Shubhanpura, Vadodara

**Mode of Conduct:** Offline (Classroom No. M103)

**Date of Expert lecture:** 9<sup>th</sup> September 2025

### **Objective:**

To provide in-depth knowledge and practical insights into relay coordination and testing techniques used in modern power systems, enabling participants to understand protection schemes, analyze coordination curves, and apply testing methodologies to ensure system reliability, selectivity, and safety.

### **Description:**

An expert lecture on “**Relay Testing and Coordination**” was successfully conducted on **9<sup>th</sup> September 2025**, organized by the **Department of Electrical Engineering, KSET & KSDS**. The session aimed to enhance participants’ understanding of protection systems with a focus on the principles and practical applications of relay coordination and testing.

The expert lecture covered essential topics such as the basic operating principle of relay, types of relay, coordination of protective relays, time-current characteristics, and the importance of selectivity and reliability in electrical protection schemes. Practical insights into relay testing techniques including primary and secondary injection methods were also shared, along with real-world examples and case studies.

The speaker provided a comprehensive overview of modern tools and methodologies used in relay testing, ensuring that participants could relate theoretical concepts to field practices. The session concluded with an engaging Q&A, encouraging active participation and knowledge exchange.

This expert lecture served as a valuable learning opportunity for students and professionals alike, contributing to their technical competence in power system protection.

### **Key Outcomes:**

- Enhanced Understanding of Protection Schemes
- Familiarity with Time-Current Characteristics
- Insight into Real-World Testing Methods
- Exposure to Modern Tools and Standards
- Application-Oriented Learning
- Interactive Learning Experience

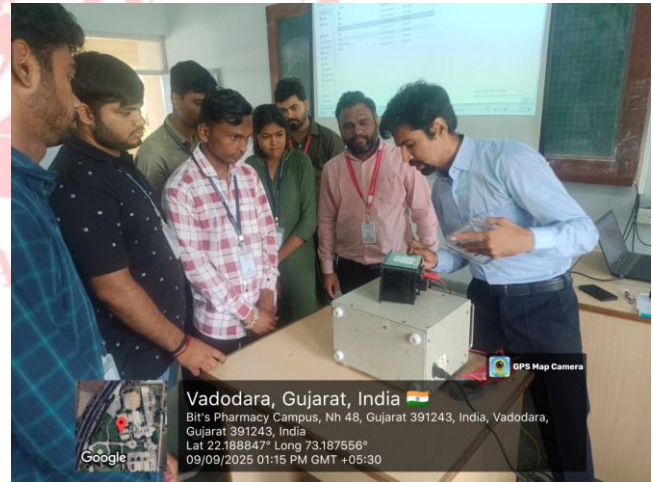
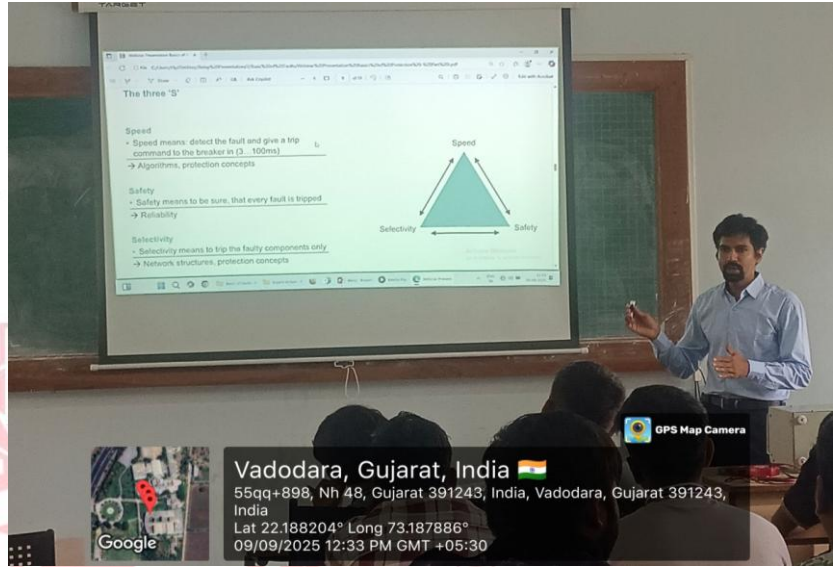
**Number of Participants:** 49 Students, 7 Faculty Members

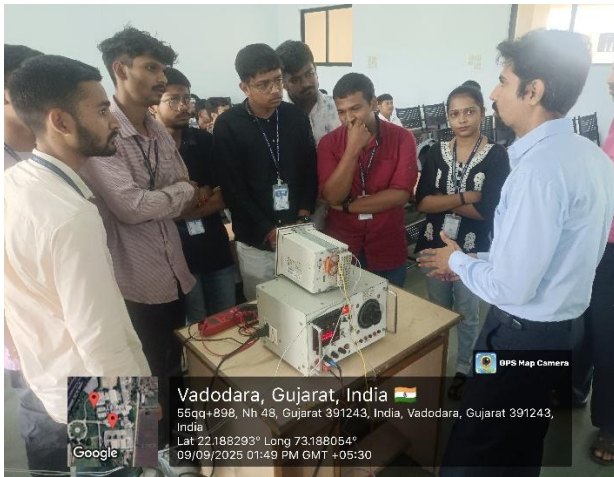
**Target Audience:** Students of Electrical Engineering Departments from KSET & KSDS.

**Collaborating Departments/Organizations:**

Department of Electrical Engineering, Krishna School of Emerging Technology & Applied Research  
Department of Electrical Engineering, Krishna School of Diploma Studies

**Photographs:**





**Social Media & Publicity Links:** No

**Feedback & Testimonials (Summary):**

The expert lecture on “*Relay Testing and Coordination*” received highly positive feedback from participants. Attendees appreciated the clear explanation of complex concepts, practical insights, and real-world examples. The session was praised for its technical relevance, engaging delivery, and usefulness in bridging theory with practical applications. Overall, it was considered a valuable and enriching learning experience.

**Prepared By**

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