

**ELECTRICAL AND ELECTRONICS ENGINEERING**  
**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

|                      |                                 |               |   |
|----------------------|---------------------------------|---------------|---|
| Name of the faculty: | <b>Mr. A SATHISH KUMAR</b>      | Department:   | <b>Electrical and Electronics Engineering</b> |
| Regulation:          | <b>IARE - R18</b>               | Batch:        | <b>2019-2023</b>                              |
| Course Name:         | <b>High Voltage Engineering</b> | Course Code:  | <b>AEEB47</b>                                 |
| Semester:            | <b>VII</b>                      | Target Value: | <b>60% (1.8)</b>                              |

**Attainment of COs:**

| Course Outcome |   | Direct Attainment | Indirect Attainment | Overall Attainment | Observation  |
|----------------|---|-------------------|---------------------|--------------------|--------------|
| CO1            | Infer the protection methods against over voltages and working of lightning arrester for protecting various equipments in power system.   | 0.60              | 2.40                | 1                  | Not Attained |
| CO2            | Illustrate the breakdown phenomena of various types of dielectric materials to measure their strength in an insulating medium.            | 0.60              | 2.40                | 1                  | Not Attained |
| CO3            | Explain the methods of generation of impulse voltage and currents for controlling and triggering of impulse generators.                   | 1.60              | 2.40                | 1.8                | Attained     |
| CO4            | Apply analytical and numerical techniques of measuring voltages and currents accurately calculations in high voltage systems.             | 0.90              | 2.30                | 1.2                | Not Attained |
| CO5            | Make use of various nondestructive test techniques used for testing of high voltage electrical apparatus.                                 | 1.60              | 2.40                | 1.8                | Attained     |
| CO6            | Outline the principles of insulation co-ordination on high voltage and Extra high voltage power systems for suppressing the over voltages | 0.90              | 2.40                | 1.2                | Not Attained |

**Action Taken Report: (To be filled by the concerned faculty / course coordinator)**

CO1: More tutorial class are needed

CO2: different example should be given

CO4: More problem should be included in lecture notes

CO6: Industrial expert lectures should be arranged

  
Course Coordinator  
Mentor  
Head of the Department