


INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRICAL POWER SYSTEMS
ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

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|----------------------|---------------------------------------|---------------|--------------------------|
| Name of the faculty: | Mr. POOLA MALLIKARJUN | Department: | Electrical Power Systems |
| Regulation: | IARE - PG21 | Batch: | 2021-2023 |
| Course Name: | Industrial Load Modelling and Control | Course Code: | BPSC16 |
| Semester: | II | Target Value: | 60% (1.8) |

Attainment of COs:

| | Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|-----|--|-------------------|---------------------|--------------------|--------------|
| CO1 | Apply knowledge of engineering science including electrical circuits, control systems and electrical machines in industrial load modelling and control. | 0.90 | 2.40 | 1.2 | Not Attained |
| CO2 | Determine the industrial load management in a power system supply specific amount of demand. | 3.00 | 3.00 | 3 | Attained |
| CO3 | Outline the interruptible load control, Direct load control, controls power quality impacts for minimising transmission line losses and energy saving in industries. | 3.00 | 2.70 | 2.9 | Attained |
| CO4 | Analyze the cooling and heating loads, cool storage, control strategies in an industrial power system. | 2.30 | 2.40 | 2.3 | Attained |
| CO5 | Design a capacitive power unit in industrial load for imparting knowledge of various controllers with its evolution, principle of operation and applications. | 0.90 | 2.40 | 1.2 | Not Attained |
| CO6 | Determine the optimal operating strategies of power capacitors for integrated load management and industries with economic justification. | 3.00 | 2.40 | 2.9 | Attained |

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

CO1: Need to provide problems on electrical circuits, control systems

CO5: Need to give assignments on various controllers


 Course Coordinator


 Mentor


 Head of the Department