



## ELECTRICAL POWER SYSTEMS

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	<b>Dr. V CHANDRA JAGAN MOHAN</b>	Department:	<b>Electrical Power Systems</b>
Regulation:	<b>IARE - R18</b>	Batch:	<b>2020-2022</b>
Course Name:	<b>INDUSTRIAL LOAD MODELLING AND CONTROL</b>	Course Code:	<b>BPSB15</b>
Semester:	<b>II</b>	Target Value:	<b>60% (1.8)</b>

#### Attainment of COs:

	<b>Course Outcome</b>	<b>Direct Attainment</b>	<b>Indirect Attainment</b>	<b>Overall Attainment</b>	<b>Observation</b>
CO1	Apply knowledge of engineering science including electrical circuits, control systems and electrical machines in industrial load modelling and control.	2.70	2.30	2.6	Attained
CO2	Determine the industrial load management in a power system to supply specific amount of demand.	3.00	2.50	2.9	Attained
CO3	Outline the interruptible load control, Direct load control, controls power quality impacts for minimising transmission line losses and energy saving in industries.	2.00	2.50	2.1	Attained
CO4	Analyse the cooling and heating loads, cool storage, control strategies in an industrial power system.	0.90	2.50	1.2	Not Attained
CO5	Design a capacitive power unit in industrial load for imparting knowledge of various controllers with its evolution, principle of operation and applications.	2.30	2.60	2.4	Attained
CO6	Determine the optimal operating strategies of power capacitors for integrated load management and industries with economic justification.	0.70	2.30	1	Not Attained

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

CO4: Provide problems on control strategies in an industrial power system.  
CO6: Provide problems on optimal operating strategies of power capacitors

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Electrical and Electronics Engineering  
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