COURSE TITLE : INDUSTRIAL ELECTRICAL ENGINEERING LAB
COURSE CODE : 4036
COURSE CATEGORY : A
PERIODS/WEEK : 6
PERIODS/SEMESTER : 84
CREDITS : 3

Course Outcome:

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1	1	To comprehend with industrial control switch gears and protective switches.
	2	To comprehend control circuits for industrial machineries.
	3	To understand different types of starters used for three phase motors and their connections.
2	1	To understand different starting methods of motors with time delay and braking.
	2	To understand panel board wiring.
	3	To understand various steps of executing a project.

LIST OF EXPERIMENTS.

1. To draw standard symbols for motor starters and control devices like, relays, contactors, push buttons, timer relays DOL starter etc.
2. To practice use of crimping tool and crimping of cables.
3. To assemble a DOL starter using push buttons, contactor and OLR unit and run a three phase induction motor.
4. To assemble an automatic Star Delta starter using push buttons, contactor, timer relay and OLR unit and run a three phase induction motor.
5. To assemble a control circuit for run a three phase induction motor.
6. To practice cable joining using a cable joint kit (preferably 3x50mm^2)
7. To practice cable glanding of armoured cables (preferably1x25mm^2)
8. To practice control panel wiring for 50kW motor which contain all devices as per rules and practices.