

**COURSE TITLE** : ELECTRICAL COMPUTER AIDED DRAFTING LAB  
**COURSE CODE** : 4038  
**COURSE CATEGORY** : A  
**PERIODS/WEEK** : 3  
**PERIODS/SEMESTER** : 42  
**CREDITS** : 2

Course Outcome:

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1	1	Comprehend with ELECTRIC CAD software.
	2	To understand the structure of cables.
	3	To know the physical structure of insulator
	4	To understand the DC winding
	5	To understand the AC winding
	6	To Know the operation of starters

**LIST OF EXPERIMENTS.**

1. To draw and modify simple geometrical figures with the CAD tools.
2. To draw cross sectional elevation of XLPE cable.
3. To draw the half sectional elevation of pin insulator.
4. To develop DC lap winding with equalizer ring and wave winding for a DC machine.
5. To develop DC wave winding for a DC machine.
6. To draw concentric winding for 3 phase machines un-bifurcated with 2 plane overhang.
7. To develop AC mush winding for 3 phase machines.
8. To develop AC lap winding for 3 phase machines double layer full pitched.
9. To draw the line diagram of DOL starter.
10. To draw the line diagram of fully automatic star delta starter.

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