

SECOND YEAR

Electric Circuits I	COE205
Prerequisite : COE106	(3-2-1-2)

The Transient Circuit: RC, RL, RLC circuit and parallel and their complete response in time and S- Domain. Poly Phase Circuits: Single- phase three wire system , circle diagram 3-phase balance an Unbalance system star and delta connections Power in 3- phase circuit. Coupling: Magnetic coupling coefficient of coupling, equivalent circuits, linear and ideal transformers.

Practical part: *The Transient Circuit. Three phase systems, Coupling, Transformers.*