

Topics	Subtopics
AC Circuit	Basics of AC Circuit
	Mutual Inductance & DOT Polarity
	Resonance
Basics of Netrok Theory	Capacitance
	Inductance
	KCL & Nodal Analysis
	KVL & Mesh Analysis
	Resistance
	Energy Source & Source Transformation
	Series & Parallel combination of resistance
	Star Delta Connection
	Super Mesh Analysis
	Super Nodal Analysis
Theorems	Maximum Power Transfer Theorem
	Thevenin Theorem
	Norton Theorem
	Superpoition & Reciprocity Theorem
	Millman, compensation & tellegens theorem
Transient Analysis	Transient Response of RC Circuit
	Transient Response of RLCircuit
	Initial conditions in transient analysis
Two Port Network	Two Port Network Parameters
	Conditon of Symmetry & Reciprocity
	Lattice Network & Network Interconnections