WE SHAPE THE DREAM

COURSE PLAN: ELECTRICAL

Subject	Lecture	Topic
DC Circuit	10	Resistivity, Bridge, Battery, Circuit, Network, Mixed Circuit, KVL, KCL, Star-Delta, Loop & Node Analysis, Super Node and Super Mesh, Superposition, Thevenin, Norton Theorem, Maximum Power Transfer
AC Circuit	10	Fundamental of AC Circuit, Power Factor Improvement, AC Series Circuit, AC Parallel Circuit, Resonance & Filter Circuit, Poly Phase Circuit
Machines	6	Basic Concept, Formula, DC Motor Structure & Classification, DC Motor Losses, Efficiency, Voltage Regulation, DC Generator
	8	Transformer, Transformer efficiency, AC Motor, Induction Motor, Synchronous Motor, AC Generator
Power System	12	Generation & Transmission (Block Diagram, Math, Definition, Device), Distribution System, Power System, Variable Load, PFI, Switchgear Fault Analysis (Symmetrical & Unsymmetrical), Load Flow Study
Electronics	8	Semiconductor & Diode, Rectifier, Clipper & Clamper, Transistor (Structure, Configuration, biasing)
	6	FET, MOSFET, CMOS, Amplifier, Oscillator, Multivibrator, Others, Electronics Device, Op-Amp
Communication Engineering	8	Basic, Modulation, Different Communication System, Process & Channel, Digital Communication (Coding, Sampling, Bit-Rate), Optical, Cellular, Satellite Communication
Digital & Others	6	Boolean Algebra, Gate, Flip Flop, Counter, Logic Circuit, Register, Measurements, Others
Measurement	3	Power Measurement, Shunt & Multiplier Value, Error

Class on: **FB Page & YouTube Channel**
Follow: **Sheet Provided By SOE**