

## **Electrical** Currents **Applications of** Electric **Currents: Electric Motors** Transformers Electronics and integrated circuits Cricut **Protection and** Safetv: **Fuses and** circuit breakers **Grounding and** electrical safety practices **Electrical codes** and regulatio

**Circuit Analysis Methods:** Node voltage analysis Mesh current analysis Superposition theorem

Electrical Measurements voltage measurement techniquesCurr ent measurement techniques Instrumentation and measurement tools

Power and Energy in Electrical Circuits: Active, reactive and apparent power Power factor Energy calculations