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| Electrical machines (1) [3 – 0 – 1] | Course #:0904361 | Prereq.: 0904245+0904212 |
| <p>Magnetic circuits; principles of electromechanical conversion, induced forces and voltages, single-phase transformers: types; construction; ideal and practical transformers; equivalent circuit; testing; voltage regulation and efficiency; three-phase transformers: construction and vector groups; direct current machines: construction and classification; elementary DC machine; excitation; torques and power relations; armature reaction and commutation; DC generators: DC Introduction to PM .motors: performance characteristics; starting; speed control and applications machines and BLDC machines</p> | | |