



TULSIRAMJI GAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108
Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)







Department of Basic Sciences & Humanities

Second Semester Autonomous Course Outcome (COs)

Principle of Electrical Engineering: BEE31202

Course Code	Course Outcomes
BEE31202.1	Apply Kirchhoff's current and voltage laws to analyze and solve complex DC electrical circuits.
BEE31202.2	Analyze single-phase and three-phase AC circuits, calculate power parameters, and make informed decisions regarding their applications.
BEE31202.3	Evaluate and optimizing transformers and magnetic circuits with a focus on factors such as material characteristics, losses, and connection configurations.
BEE31202.4	Analyze various electric machines, including three-phase induction motors, separately excited DC motors, and synchronous generators.
BEE31202.5	Analyze the types of wires and cables commonly used in electrical installations, considering their specifications and applications.

				Aug, 2023	1.00	Applicable for AY 2023-24 Onwards
Chairperson	Dean Academics	Vice Principal	Principal	Date of Release	Version	