

9 BTEEC601 Switchgear and Protection

Academic Year:	2022-23
Class :	T.Y.B. Tech Electrical Engineering
Course Code :	BTEEC601
Course Name :	Switchgear and Protection
Name of Faculty	Prof.S.S.Khatangle

Course Outcome

Upon successful completion of the course students will be able to:

CO1	To understand basic protection for power system and discuss construction and working of static and numerical relays
CO2	To discuss various types of circuit breakers, its construction and working and understand basics of fuses
CO3	To explain protection of transmission line, feeders and induction motor
CO4	To describe protection scheme for alternator and transformer.

CO - PO Mapping Table

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3				2	2	1				2		2
CO2	3	2	2	2		2	2	2				1		1
CO3			2	2		2								
CO4	2						1	2				2		2

10 BTEEC504 Industrial Automation

Department :	Electrical Department
Academic Year:	2022-2023
Class :	TY
Course Code :	BTEEC504
Course Name :	Industrial Automation
Name of Faculty	Prof.A.M.Mulla

Course Outcome

Upon successful completion of the course students will be able to:

CO1	Explain the architecture of industrial automation systems and describe the working principles of sensors and measurement systems used in process control.
CO2	Demonstrate the ability to select appropriate measurement techniques for physical variables and apply process control strategies for effective automation.
CO3	To develop RLL Diagrams for simple industrial logic control problems.

CO - PO Mapping Table

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3								2			3	
CO2	3	3		3	2					2			3	
CO3	3	3								2			3	