

Module Name (Electrical Engineering)	Total Hours
Basic of AC/DC Drives	40

Sr. / Day	Topic Name	Contains	Hours	
1	Basic of Power Electronic	Basic principles of Diodes, Thyristors, IGBT, BJT, Comparison of power electronics, Application	2	
2	Concept of Drive & Expectation from Drive	Basic fundamentals of Drives	2	
3	Starters	Basic concept, Wiring, Hands on practices	2	
4	DC motor and DC drive	Basic on DC motors-working, principle, types of DC motors	2	
5		Concept of DC Drive in details	2	
6-7		Parameterization	4	
8-10	Features of SINAMIC DCM DC Drive	Introduction, parameterization, Wiring, Application, Hands on Practices	6	
11	Ac motor and ac drive	Types of AC motors and construction & working principle	2	
12-13		Concept of AC Drive in details,	4	
14		Important features,	2	
15		Selection of AC Drive and its applications	2	
16-18	Features of SINAMIC G-120 AC Drive	Introduction, parameterization, Wiring, Application, Hands on Practices	6	
19	Medium voltage (mv) drive	Introduction, features and application	2	
20		Design and protection for MV Drives	2	
			Total	40