

Sector: Power									
Program: Bachelor of Vocation in Power Transmission and Distribution Management									
Semester: I									
Sl. No	Course Type	Semester	Course Code	Course	L	T	P	C	
1	General Education	I		Introduction to Power Systems	3			3	
2	General Education	I		Electrical Circuits and Networks	3			3	
3	General Education	I		Power Transmission Fundamentals	3			3	
4	General Education	I		Engineering Mathematics	3			3	
5	OJT	I		Introduction to substation operations				18	18
	TOTAL				12			18	30
Semester: II									
1	General Education	II		Power Electronics	3			3	
2	General Education	II		Electrical Machine Fundamentals	3			3	
3	General Education	II		Renewable Energy Systems	3			3	
4	General Education	II		Safety and Compliance in Power Systems	3			3	
5	OJT	II		Basics of Power Distribution Systems				18	18
	TOTAL				12			18	30
Semester III									
1	General Education	III		Advanced Power Transmission	3			3	
2	General Education	III		Distribution System Planning and Design	3			3	
3	General Education	III		Power System Protection	3			3	
4	General Education	III		Environmental Impact and Sustainability in Power Systems	3			3	
5	OJT	III		Electrical Machines and Field visits to power generation facilities				18	18
	TOTAL				12			18	30
Semester IV									
1	General Education	IV		Smart Grid Technologies	3			3	
2	General Education	IV		Energy Management and Auditing	3			3	
3	General Education	IV		Control Systems in Power Engineering	3			3	
4	General Education	IV		Power Systems Economics and Finance	3			3	
5	OJT	IV		Hands-on with power grid control systems				18	18
	TOTAL				12			18	30
Semester V									
1	General Education	V		Distributed Generation and Storage	3			3	
2	General Education	V		Reliability and Quality of Power Supply	3			3	
3	General Education	V		Project Management in power systems	3			3	
4	General Education	V		Regulation and Policies in the power sector	3			3	
5	OJT	V		Operational training in a live substation environment (incl. working on Solar and Wind Energy setups)				18	18
	TOTAL				12			18	30
Semester VI									
1	General Education	VI		Advanced Power Distribution	3			3	
2	General Education	VI		Cybersecurity in power systems	3			3	
3	General Education	VI		Energy Markets and Trading	0			0	
4	General Education	VI		Power Systems Analysis and Optimisation	6			6	
5	OJT	VI		Major Project				18	18
	TOTAL				12			18	30