

Summer Training Programme Offered by BSNL Electrical Zone TN to Electrical Engineering Students			
Schedule for one week 6 hrs/day			
SESSION	TOPICS		
1	Inauguration & Registration		
	1	Course Overview /Role of Electrical Engineering in Telecom	
		Power System	
		Overview -Substation- design -operation and maintenance reactive power management	
	2	Captive power Generation	
overview -Design - selection			
2	3	Air Conditioning	
		Basics- Design creiteria-Air conditioning load -Latest trends	
	4	Illumination	
		Illumination design concept	
3	5	Various Electrical loads	
		Lighting -SMPS-UPS-Pumps	
	6	Lifts	
		Design installation and maintenace of Lifts	
4	7	Fire Detection systems	
		Fire Fighting systems	
	8	Lightning Protection	
		Erathing -Lightning Protection Design criteria	
5	9	Renewable Energy and applicablity in Telecom industry	
		energy conservation	
		Green Building concepts	
	10	Latest Trends in Building Management System	
		Basic concetps - wireless temperature sensors control - occupancy sensors control -Bacnet-IBMS	
	11	Industrial Instrumentation -introduction	
		Basic concepts on PLC SCADA and Distributed digital control system	
			Evaluation Discussion and Conclusion

NOTE:1. THE AFTER NOON SESSION WILL BE FIELD VISIT OF SUBSTATIONS , DG SETS, RECTIFIER & BATTERY ROOM, AIR CONDITIONING PLANT , FIRE DETECTION SYSTEM , ANALOGE ADDRESSABLE FIRE DETCTION SYSTEM , UPS, LIFT, GSM LAB , EARTHING MEASUREMENT , WETRISER FIRE FIGHTING SYSTEM , CENTRALISED CHILLER A/C PLANT , IBMS , ETC.

2. ONE FULL DAY VISIT TO HIGH TECH BUILDING AT CHENNAI