



Course Title:	Power Systems -I		
Course Code:	DEE-401		
Program:	Diploma	Semester-IV	
Credits:	T-04	P-00	Total-04
Course Outcome			
1	To become familiar with the curricular structure of Transmission, generation and distribution.		
2	Understand the quality requirements and quality testing procedures of selected Cables		
3	Awareness of General Structure of Power Distribution System.		
4	Acquire knowledge about various types of Lines, String Efficiency, Design, accessories, Line Load		
5	Acquire knowledge about various types of Conductors, Line Parameter and its Performances		

Course Title:	Electrical Machine - II		
Course Code:	DEE - 402		
Program:	Diploma	Semester - IV	
Credits:	T - 04	P - 00	Total - 04
Course Outcome			
1	Industrial application of induction motor ,starting and control mechanism		
2	operation and working of synchronous motor ,load characteristics		
3	classification and importance of special motors		
4	Advantages of electric drive ,selection of motor for particular load		
5	introduction to different type of converting apparatus		

Course Title:	General Mechanical Engineering		
Course Code:	DEE-403		
Program:	Diploma	Semester: IV	
Credits:	T-4	P-2	Total-6
Course Outcome			
1	Knowledge of Engineering Materials and their Properties.		
2	Understand concept of mechanical behavior of Ferrous and Non-Ferrous Metals and Alloys.		
3	Understand the concepts of fluid properties like specific gravity, viscosity, density, surface.		
4	Students will demonstrate knowledge of the operating characteristics of common IC engines		
5	Knowledge of Measurement like Temperature, pressure, velocity, dial gauges etc.		

Course Title:	Electrical Design Drawing & Estimation		
Course Code:	DEE-404		
Program:	Diploma	Semester IV	
Credits:	T-4	P-2	Total = 06
Course Outcome			
1	Estimating and costing market survey ,calculation of material and labour cost,idea of tender		
2	Earthing of electrical installation ,pipe earthing and plate earthing and determine earth wire size		
3	Estimation of power wiring ,determine size of cable ,main switch and starter of power circuit		
4	Estimation of overhead and underground distribution line,cost of material and work		
5	Estimation of material require for small distribution substation ,cost of material & work		

Course Title:	Energy Conservation and Management		
Course Code:	DEE-405		
Program:	Diploma	Semester -IV	
Credits:	T-4	P-2	Total-6
Course Outcome			
1	types of renewable and non renewable energy sources and Energy Management System.		
2	advantage of waste heat recovery system.		
3	predictive and preventive maintenance and energy conservation.		
4	energy conservation in various sector.		
5	Benefits and type of cogeneration system.		

Course Title:	Electrical Equipment Testing & Maintenance		
Course Code:	DEE-406		
Program:	B.Tech	Semester: IV	
Credits:	T-Nil	P-4	Total-4
Course Outcome			
1	Students will be able to learn the testing of various electrical equipments.		
2	Importance of testing and maintenance in industry and in research work.		
3	Improving efficiency of electrical machine through maintenance and testing.		
4	Introduction to insulation oil testing and earth resistance testing.		
5	Preparation of test report of electrical installation.		

Course Title:	Professional Skill-I		
Course Code:	DIP-407		
Program:	Diploma	Semester-IV	
Credits:	T-Nil	P-4	Total-4
Course Outcome			
1	Introduction about Effective Presentaion		
2	Various Elements of Effective Presentation		
3	Introduction about Effective Public Speaking		
4	Various Elements of Public Speaking		
5	Uses of Aids-OHP,LCD Projector etc		