



Course Title:	EHV AC/DC Transmission		
Course Code:	EET-801		
Program:	B.Tech	Semester: VIII	
Credits:	T-4	P-2	Total-6
Course Outcome			
1	Need of EHV Transmission system and Corona effect		
2	Control of active and reactive power flow using load frequency control		
3	Method of voltage control in static var compensator		
4	Introduction to fact controller and its brief description		
5	application of hvdc system and converter control characteristics		

Course Title:	Power Quality		
Course Code:	EET-804A		
Program:	B.Tech	Semester - VIII	
Credits:	T - 04	P - Nil	Total - 04
Course Outcome			
1	Characteristic of supply voltage & electrical system that affects performance of load.		
2	Study the usage of power quality for detection of sags, swells, interruption, flicker, harmonics		
3	Study the problems like frequency variations, blackout, Power sag due to poor power quality		
4	Technical problem & solution faced in industry due to ever increasing percentage of non linear load		
5	Usage of surge supressor, voltage regulator,ups etc for improving power quality		

Course Title:	Power Systems Deregulation		
Course Code:	EET-804B		
Program:	B.Tech	Semester VIII	
Credits:	T-4	P-Nil	Total-4
Course Outcome			
1	Introduction to need and conditions for deregulation. Introduction of Market structure, Market A		
2	Electricity sector structures and Ownership /management, the forms of Ownership and managemen		
3	Introduction to framework and methods for the analysis of Bilateral and pool markets, LMP based		
4	Transmission network and market power. Power wheeling transactions and marginal costing and c		
5	Understanding ancillary Services and System Security in Deregulation. Classifications and definitio		

Course Title:	Advanced Electrical Drive		
Course Code:	EET-804C		
Program:	B.Tech	Semester - VIII	
Credits:	T-4	P-Nil	Total-4
Course Outcome			
1	Introduction and Review of electric motors & Solid state converters.		
2	Review of closed loop controllers, sensors & transducers.		
3	Introduction to DC Drives and important related concepts and applications.		
4	Introduction to Special Drives and important related concepts and applications.		
5	Servo drives & stepper motor- AC & DC Servomotor, Stepper motor, Control techniques etc.		

Course Title:	Computer Aided Design of Electrical Machine		
Course Code:	EET-803		
Program:	BTech	Semester VIII	
Credits:	T-04	P-02	Total -06
Course Outcome			
1	An ability to use technical study and concepts learnt during the graduation practically in the Electri		
2	Acquire knowledge about various types Rating Machines, Quantity of Cooling Medium.		
3	Awareness of General Design of Power and Distribution Transformers.		
4	Acquire knowledge about Computer aided Design of Synchronous Machine		
5	Acquire knowledge about Computer aided Design of Induction Machine		

Course Title:	Power System Analysis & Control		
Course Code:	EET - 804		
Program:	B.Tech	Semester - VIII	
Credits:	T - 04	P - 02	Total - 06
Course Outcome			
1	Upon completion of the course, students will have:Knowledge of the operating principles and the in		
2	Ability to design the individual components of an electrical power system and to understan about th		
3	Knowledge of the fundamental Symmetrical componentsof an electrical power system.		
4	Knowledge of symmetrical and unsymmetrical faults		
5	Practical analysis and Knowledge of the load-flow studies		

Course Title:	Electrical Engineering Simulation Lab		
Course Code:	EET- 805		
Program:	B.Tech.	Semester: VIII	
Credits:	T-Nil	P-02	Total-02
Course Outcome			
1	Verification of Network Theorems by using simulation.		
2	Transient responses of series RLC, RL, RC circuits with Sine and Stepinputs.		
3	Series and Parallel resonance ,Bode plot, Root-locus plot and Nyquist plot.		
4	Design of lag, lead and lag-lead compensators.		
5	Introduction to Load flow studies.		

Course Title:	Major Project II		
Course Code:	EET-806		
Program:	B.Tech	Semester: VIII	
Credits:	T-Nil	P-2	Total-2
Course Outcome			
1	Manage the selection and initiation of individual projects with contemporary issues as their topics.		
2	Conduct project planning forecasting various factors like costs, timelines and quality.		
3	Demonstrate depth of knowledge through project execution and thesis.		
4	Demonstrate effective organizational leadership and skills for managing project.		
5	Demonstrate an ability to present an defend their project to a panel of experts.		

Course Title:	Professional Ethics & Proficiency		
Course Code:	EET-807		
Program:	B.Tech	Semester: VIII	
Credits:	T-Nil	P-2	Total-2
Course Outcome			
1	Understanding the Ethics and it's types also the important concepts related to it.		
2	Communication and personality development covering, psychological aspects of communication etc.		
3	Introduction to career communication covering various aspects like resumes, biodata etc.		
4	Understanding the advance techniques in technical communication.		
5	Introduction to standard e-mail practices.		

Course Title:	Advance Communication System		
Course Code:	ECT-801		
Program:	B.Tech	Semester: VIII	
Credits:	T-4	P-2	Total-6
Course Outcome			
1	Discussion about channel coding and speech coding		
2	Discussion about orthogonal frequency division multiplexing (OFDM)		
3	About interim standard 95 (IS-95) and code division multiple access (CDMA 2000) and Third gene		
4	About fourth generation (4G) & statistics of cellular systems		
5	Discussion about new concept of advance communication system		