



SCHOOL OF RESEARCH & TECHNOLOGY

AN ISO 9001: 2008 Certified Institute

Course Title:	Engineering Mathematics - III		
Course Code:	BT-401		
Program:	BTech	Semester IV	
Credits:	T-04	P-Nil	Total -04
Course Outcome			
1	Formulate and analyze mathematical precisely define the key terms, and draw clear and reason		
2	Solve open-ended elementary school problems in areas such as patterns, algebra, ratios, and per		
3	Justify the use of our numeration system by comparing it to historical alternatives and other ba		
4	Describe the development of the system as it expands from the set of natural numbers to the set		
5	Demonstrate the use of mathematical reasoning by justifying and generalizing patterns and rela		

Course Title:	Electrical Power Generation		
Course Code:	EET-402		
Program:	B.Tech	Semester- IV	
Credits:	T-04	P-02	Total-06
Course Outcome			
1	Classification of different power generation and choice of power station		
2	Layout of nuclear power station ,parts of control reactor,and its hazards		
3	Arrangement and location of hydro power station		
4	photovoltaic energy system,design of fuel cell		
5	introduction of nonconventional energy sources		

Course Title:	Electronic Circuits		
Course Code:	BT-423		
Program:	B.Tech	Semester: IV	
Credits:	T-4	P-2	Total-6
Course Outcome			
1	Will be able to demonstrate understanding of Amplifier Basics		
2	Will be able to analyze, design, build,Feedback amplifier & Oscillators		
3	Will be able to analyze, design, build Power amplifier & Tuned amplifier		
4	Will be able to analyze, design, build Cascade amplifiers,Darlington connection & Differential a		
5	Will be able to analyze, design, build Operational amplifier & Applications of Op-Amp		

Course Title:	Electrical Machine II		
Course Code:	EET-404		
Program:	B.Tech	Semester - IV	
Credits:	T - 04	P - 02	Total - 06
Course Outcome			
1	Various basic concepts regarding AC machine and its comparision with the DC machine.		
2	Induction Motor construction, basic principal of operation and their practical application in ind		
3	Characteristics and behaviour of Induction Motor in starting and in running condition.		
4	Synchronous Motor basic concepts and other special machine and use in industries.		
5	Harmonics , various other critical and important concepts, phenomenon in AC machines.		

Course Title:	Analog & Digital Communication		
Course Code:	EET-405		
Program:	B.Tech	Semester - IV	
Credits:	T - 04	P - 02	Total - 06
Course Outcome			
1	Analyze energy and power spectral density of the signal, Probability & Random Process		
2	Express the basic concepts of analog modulation Techniques with digital analysis		
3	Evaluate analog modulated waveform in time /frequency domain and also find modulation index		
4	Develop understanding about performance of analog communication systems		
5	Calculate bandwidth and power requirements for analog systems & Analyze different characteristics of receiver		

Course Title:	Professional Skills - II		
Course Code:	EET-406		
Program:	BTech	Semester IV	
Credits:	T -Nil	P 02	Total 02
Course Outcome			
1	Introduction to the Professional skills & its importance		
2	Studying communication context & improved body language		
3	Understanding job research ,personality development		
4	Understand how to critically analyze data research		
5	Develop professional work habits,including those necessary for effective collaboration		

Course Title:	Electrical Software Lab - I		
Course Code:	EET-408		
Program:	BTech	Semester IV	
Credits:	T -Nil	P 02	Total 02
Course Outcome			
1	Introduction to MATLAB.		
2	To understand how programs are design in the MATLAB.		
3	To know how programs are modelling and designing.		
4	To understand the programming in communication system.		
5	To know the programming in control system.		