Course Outcomes	Department -	Electronics & Communication Engineering
Course Title:	Advanced Mathematics	
Course Code:	MTDC-181	
Program:	M.Tech. (DC)	Semester-I
Credits:	T-4 P-Nil	Total-04
Course Outcome		
1	Apply their knowledge in modern industry or teaching, or secure acceptance in high-quality graduate programs.	
2	Maintain a core of mathematical and technical knowledge that is adaptable to changing technologies.	
3	Provide the limitations of such techniques and the validity of the results.	
4	Continue to acquire mathematical and statistical knowledge and skills appropriate to professional activities.	
5	Propose new mathematical questions and suggest possible software packages.	

Course Title:	DSP & its Application		
Course Code:	MTDC-102		
Program:	M.Tech. (DC)		Semester -I
Credits:	T-4	P-0	Total-6
Course Outcome			
1	Review of Discrete time signal.		
2	Review of Z-Transform.		
3	Properties of DFT.		
4	FIR and IIR system.		
5	Discrete time Random Signal.		
Course Title:	Advanced Communication System		
Course Code:	MTDC-103		
Program:	M.Tech. (DC)		Semester -I
Credits:	T-4	P-0	Total-4
Course Outcome			
1	Review of probability and Stochastic Processes.		
2	To know aboutCharacterization of Communication Signal and System.		
3	Optimum receiver for Additive White Gaussian Noise.		
4	Carrier and symbol synchronization, signal design for Band Limited Channels.		
5	Communication through Band limited Channel.		
Course Code:	MTDC-104		
Program:	M.Tech. (DC)		Semester I
Credits:	T -04	P-Nil	Total-04
Course Outcome			
1	To understand stored program control and different types of switching.		
2	To know about time division space,multiplexed switching & digital PBX Switching.		
3	To understand traffic load,grade of service and different modelling system.		
4	Basic knowledge about switching hierarchy & different types of plan.		
5	To understand about DSL,ADSL and WLL for local telephone services.		

Course Title:	**Microcontroller System**		
Course Code:	**MTDC-105**		
Program:	**M.Tech. (DC)**		**Semester : I**
Credits:	**T-4**	**P-Nil**	**Total-4**
Course Outcome			
1	**To understand the review of 8-bit & 16-bit microprocessor.**		
2	**To understand the concept of single chip microcontrollers.**		
3	**To be able to understand the software development modular approach.**		
4	**To get to know about ATMEL 89C51/52 and PIC microcontrollers.**		
5	**To be able to understand the DSP processor architecture.**		

Course Title:			
Course Code:	**MTDC-106**		
Program:	**M.Tech. (DC)**		**Semester - I**
Credits:	**T - 00**	**P - 06**	**Total - 06**
Course Outcome			
1	**Basic Knowledge of MATLAB.**		
2	**Able to understand the use of MATLAB.**		
3	**Use of matlab in DSP & its application.**		
4	**To write a programme of numericals.**		
5	**To understand concept of simulation by using MATLAB.**		

Course Title:	**Lab-II**		
Course Code:	**MTDC-107**		
Program:	**M.Tech. (DC)**		**Semester: I**
Credits:	**T-Nil**	**P-6**	**Total-6**
Course Outcome			
1	**Discussion about microcontroller system & its PIN diagram.**		
2	**Discussion about microprocessor system & its PIN diagram.**		
3	**Concept of Microcontroller assembly programming.**		
4	**Concept of Microprocessor assembly programming.**		
5	**Solving the problems based on microcontroller & Microprocessor assembly programming.**		