Course Title:	**CMOS VLSI Design**		
Course Code:	**ECT-701**		
Program:	**B.Tech.**		**Semester VII**
Credits:	**T-4**	**P-2**	**Total-6**
Course Outcome			
1	**Over view of Single stage of Amplifier and Frequency Amplifier.**		
2	**Differential Amplifier and Feedback amplifier.**		
3	**Over view of Oscillator.**		
4	**Sequential circuit Design.**		
5	**Data path Subsystem.**		

Course Title:	**Satellite Communication**		
Course Code:	**ECT-7101**		
Program:	**B.Tech.**		**Semester : VI**
Credits:	**T-4**	**P-Nil**	**Total-4**
Course Outcome			
1	**To be able to understand the overview of satellite systems.**		
2	**To understand the geo stationary orbit, polarization & de-polarization.**		
3	**To get to know about space segment & erath segment.**		
4	**To be able to understand about space link & link design.**		
5	**To be able to understand about satellite services.**		

Course Title:	**Microwave Circuits**		
Course Code:	**ECT-7102**		
Program:	**B.Tech.**		**Semester : VI**
Credits:	**T-4**	**P-Nil**	**Total-4**
Course Outcome			
1	**To be able to understand the Transmission lines.**		
2	**To understand the analysis of general Transmission line and terminated Transmission line circuits.**		
3	**To get to know about Microwave Amplifiers.**		
4	**To be able to understand about Microwave Oscillators & Mixers.**		
5	**To be able to understand about Microwave Filters.**		

Course Title:	**Advanced Data Networks**		
Course Code:	**ECT-7103**		
Program:	**B.Tech.**		**Semester : VI**
Credits:	**T-4**	**P-Nil**	**Total-4**
Course Outcome			
1	**To be able to understand the Principal of Wireless Networks.**		
2	**To understand the Mobile Data Networks & Wireless LAN's .**		
3	**To get to know about HIPERLAN & Wireless Geolocation Systems.**		
4	**To be able to understand about WPAN & Satellite Networks.**		
5	**To be able to understand about Optical Networks.**		

Course Title:	**Antenna & Wave Propagation**		
Course Code:	**ECT-703**		
Program:	**B-Tech**		**Semester VII**
Credits:	**T-4**	**P-02**	**Total-06**
Course Outcome			
1	**Basic Information of Antenna, Antenna Terminology and its application.**		
2	**To know about the Array and types of Array and methods like binomial distribution**		
3	**To understand the Bebinet's Principle and types of antenna.**		
4	**Defining the Antenna arrya synthesis process using different methods.**		
5	**Understand how wave propagates in differend medium and its characterstics.**		

Course Title:	**Optical Communication**		
Course Code:	**ECT-704**		
Program:	**B.Tech.**		**Semester : VIIth**
Credits:	**T-4**	**P-2**	**Total-6**
Course Outcome			
1	**Overview of optical fiber communication (OFC) & optical fiber.**		
2	**Brief introduction about optical sources & power launching and coupling.**		
3	**Discussion about photodetectors & signal degradation in optical fibers.**		
4	**About optical receivers, digital links & analog links.**		
5	**Introduction of optical technologies (wavelength): WDM concept.**		

Course Title:	**Major Project**		
Course Code:	**ECT-706**		
Program:	**B.Tech.**		**Semester-VII**
Credits:	**T-00**	**P-06**	**Total-06**
Course Outcome			
1	**Identification of practices that make a difference in terms of Belonging and Intimacy**		
2	**Understanding of how practices impact on different selected groups of students (potential withdrawers; actual .withdrawers; disabled students; low participation and ethnic minority groups)**		
3			
4	**Integrated data set related to retention and methodology for continued analysis.**		
5	**Dissemination activities including conferences, papers and final report.**		

Course Title:	**Industrial Training-II**		
Course Code:	**ECT-707**		
Program:	**B.Tech.**		**Semester VII**
Credits:	**T 0**	**P 02 02**	**Total 02**
Course Outcome			
1	**To be able to analyse a given engineering problem, solving methodology.**		
2	**Ability to apply prior acquired knowledge in problem solving.**		
3	**To be able to work in a team.**		
4	**To be able to take initiatives.**		
5	**Ability to manage a project within a given time frame.**		