B.E - ELECTRONICS AND COMMUNICATION ENGINEERING

(SEVEN SEMESTER PART TIME)

CURRICULUM 2009

SEMESTER I

Code No.	Course Title	L	T	P	C
THEORY					
PEC101	Mathematics-I	3	0	0	3
PEC102	Circuit Analysis	3	0	0	3
PEC 103	Electron Devices	3	0	0	3
PEC104	Computer Programming	3	0	0	3
PRACTICAL					
PEC 105	Computer Programming Lab	0	0	3	2

Total Hours: 15   **Total Credits : 14**

SEMESTER II

Code No.	Course Title	L	T	P	C
THEORY					
PEC 201	Mathematics-II	3	0	0	3
PEC 202	Signals and Systems	3	0	0	3
PEC 203	Electromagnetic Fields	3	0	0	3
PEC 204	Electronic Circuits	3	0	0	3
PRACTICAL					
PEC 205	Electronic Devices , Circuits And Simulation Lab	0	0	3	2

Total Hours: 15   **Total Credits : 14**

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SEMESTER III

Code No.	Course Title	L	T	P	C
THEORY					
PEC 301	Digital electronics	3	0	0	3
PEC 302	Random Process	3	0	0	3
PEC 303	Linear Integrated Circuits	3	0	0	3
PEC 304	Transmission Lines and wave guides	3	0	0	3
PRACTICAL					
PEC 305	Integrated Circuit Lab	0	0	3	2

Total Hours: 15   **Total Credits : 14**

SEMESTER IV

Code No.	Course Title	L	T	P	C
THEORY					
PEC 401	Microprocessor and Microcontroller	3	0	0	3
PEC 402	Communication Theory	3	0	0	3
PEC 403	Antenna and Wave Propagation	3	0	0	3
PEC 404	Digital Signal Processing	3	0	0	3
PRACTICAL					
PEC 405	Digital Signal Processing and Microprocessor Lab	0	0	3	2

Total Hours: 15   **Total Credits : 14**

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SEMESTER V

Code No.	Course Title	L	T	P	C
THEORY						
PEC 501	Microwave Engineering	3	0	0	3
PEC 502	Professional Ethics and Human values (ECE)	3	0	0	3
PEC 503	Digital Communication	3	0	0	3
PEC 504	Computer Networks	3	0	0	3
PRACTICAL						
PEC 505	Communication Lab	0	0	3	2

Total Hours: 15   **Total Credits : 14**

SEMESTER VI

Code No.	Course Title	L	T	P	C
THEORY						
PEC 601	Entrepreneurial Development Management	3	0	0	3
PEC 602	VLSI Design	3	0	0	3
PEC 603	Optical Communication	3	0	0	3
PEC E**	Elective I	3	0	0	3
PRACTICAL						
PEC605	VLSI and optical Communication Lab	0	0	3	2

Total Hours: 15   **Total Credits : 14**

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SEMESTER VII

Code No.	Course Title	L	T	P	C
	THEORY				
PEC701	Social Engineering	3	0	0	3
PEC702	Mobile Communication	3	0	0	3
PEC E**	Elective II	3	0	0	3
	PRACTICAL				
PEC 704	Project Work	0	0	20	12

Total Hours: 29   **Total Credits : 21**

Overall Credits: 105

LIST OF ELECTIVES

Code No.	Course Title	L	T	P	C
E51	Advanced Microprocessor	**3**	**0**	**0**	**3**
E52	Medical Electronics	3	0	0	3
E53	Operating Systems	3	0	0	3
E54	Solid State Electronic Devices	3	0	0	3
E55	Speech Processing	3	0	0	3
E56	Object oriented Programming	3	0	0	3
E57	Computer Hardware and Interfacing	3	0	0	3
E58	Internet and Java	3	0	0	3
E59	Advanced Digital Signal Processing	3	0	0	3
E60	Electromagnetic Interference and Compatibility	3	0	0	3
E61	High Speed Networks	3	0	0	3
E62	Power Electronics	3	0	0	3
E63	Soft Computing	3	0	0	3
E64	RF Circuit Design	3	0	0	3
E65	Digital Image Processing	3	0	0	3
E66	Embedded Systems	3	0	0	3
E67	Wireless networks	3	0	0	3
E68	Telecommunication Switching and Networks	3	0	0	3
E69	Satellite communication	3	0	0	3
E70	Advanced Electronic system design	3	0	0	3
E71	Opto - Electronic devices	3	0	0	3
E72	Telecommunication System Modeling and Simulation	3	0	0	3
E73	Radar and Navigational Aids	3	0	0	3
E74	Remote Sensing	3	0	0	3
E75	Engineering Acoustics	3	0	0	3
E76	Analog Interfacing to Microprocessor Systems	3	0	0	3
E77	Intellectual Property Rights	3	0	0	3
E78	Indian Constitution and Society	3	0	0	3

L ⟶ LECTURE HOURS
T ⟶ TUTORIAL HOURS
P ⟶ PRACTICAL HOURS
C ⟶ CREDITS HOURS