



PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

Melathediyoor, Tirunelveli

(Approved by AICTE and Recognized by UGC Section 2 (f)

An ISO 9001:2008 Certified Institution

(Accredited by NBA and NAAC, Affiliated to Anna University, Chennai)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REGULATIONS-2012

UG (FULL TIME)

CURRICULUM III-VIII

&

SYLLABUS VII SEMESTER

B.E

(ELECTRONICS AND COMMUNICATION ENGINEERING)

ECE/PSNCET/UG/R-12



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CURRICULUM (FULL TIME)

SEMESTER III

S.NO	SUB CODE	SUBJECT NAME	L	T	P	C
THEORY						
1	101001	Transformation techniques	4	0	0	4
2	105002	Applied Electronic Circuits I	3	1	0	3
3	105003	Electromagnetic Field Theory	3	1	0	3
4	105001	Digital Electronics	3	0	0	3
5	105005	Data Structures and Object Oriented Programming in C++	3	0	0	3
6	105004	Electrical Machines	3	0	0	3
PRACTICAL						
7	105101	Digital Electronics Lab	0	0	3	2
8	105102	Data Structures and Object Oriented Programming Lab	0	0	3	2
9	105103	Applied Electronic Circuits I Lab	0	0	3	2
TOTAL			19	2	9	25

SEMESTER IV

S.NO	SUB CODE	SUBJECT NAME	L	T	P	C
THEORY						
1	105006	Signals and Systems	3	1	0	3
2	105007	Communication System Theory	3	0	0	3
3	105008	Transmission Lines and Wave guides	3	1	0	3
4	105009	Linear Integrated Circuits	3	0	0	3
5	105010	Probability and Random Processes	3	1	0	3
6	105011	Applied Electronic Circuits II	3	0	0	3
PRACTICAL						
7	105104	Signals and Systems Lab	0	0	3	2
8	105105	Applied Electronic Circuits II Lab	0	0	3	2
9	105106	Linear Integrated Circuits Lab	0	0	3	2
TOTAL			18	3	9	24

SEMESTER V

S.NO	SUB CODE	SUBJECT NAME	L	T	P	C
THEORY						
1	105012	Digital Communication	3	0	0	3
2	105013	Digital Signal Processing	3	1	0	3
3	105014	Antenna and Wave Propagation	3	1	0	3
4	105015	Microprocessors and Microcontrollers	3	0	0	3
5	105016	Measurement and Instrumentation	3	0	0	3
6	105017	Control Systems	3	1	0	3
PRACTICAL						
7	105107	Digital Signal Processing Lab	0	0	3	2
8	105108	Communication Systems Lab	0	0	3	2
9	105109	Microprocessors and Microcontrollers Lab	0	0	3	2
TOTAL			18	3	9	24

SEMESTER VI

S.NO	SUB CODE	SUBJECT NAME	L	T	P	C
THEORY						
1	105018	Wireless Communication	3	0	0	3
2	105019	VLSI Design	3	1	0	3
3	105020	Embedded system design	3	1	0	3
4	105021	Telecommunication & Switching Networks	3	1	0	3
5	105022	Data and Voice computer Networks	3	0	0	3
6	#	Elective I	3	0	0	3
PRACTICAL						
7	105110	Computer Networks Lab	0	0	3	2
8	105111	VLSI Design Lab	0	0	3	2
9	105112	Embedded System Lab	0	0	3	2
TOTAL			18	3	9	24

SEMESTER VII

S.NO	SUB CODE	SUBJECT NAME	L	T	P	C
THEORY						
1		Optical Communication and Networks	3	1	0	3
2		Microwave and Radar Engineering	3	0	0	3
3		Digital Image Processing	3	1	0	3
4		ASIC Design	3	1	0	3
5		Elective II	3	0	0	3
6		Elective III	3	0	0	3
PRACTICAL						
7		Electronic System Design Lab	0	0	3	2
8		Optical & Microwave Lab	0	0	3	2
9		Technical Communication and Soft Skills	0	0	3	2
TOTAL			18	3	9	24

SEMESTER VIII

S.NO	SUB CODE	SUBJECT NAME	L	T	P	C
THEORY						
1		Cellular and Mobile Communication	3	1	0	3
2		Elective IV	3	0	0	3
3		Elective V	3	0	0	3
PRACTICAL						
4		Project Work	0	0	20	10
TOTAL			09	1	20	19

LIST OF ELECTIVES**#-SEMESTER VI – Elective I**

S.NO	SUB CODE	SUBJECT NAME	L	T	P	C
THEORY						
1	105201	Medical Electronics and Instrumentation	3	0	0	3
2	105202	Numerical Methods	3	0	0	3
3	105203	Computer Architecture and Parallel Processing	3	0	0	3
4	105204	Science of Creativity and Professional Ethics	3	0	0	3
5	105205	Information Theory and Coding	3	0	0	3
6	105206	ISDN	3	0	0	3