



PSN COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMUS)

Melathediyoor-627152



REGULATIONS-2014

PG (FULL TIME)
I TO IV SEMESTERS
CURRICULUM FOR
M.E (APPLIED ELECTRONICS)



PSN College of Engineering and Technology
(An Autonomous Institution)
Melathediyoor-627152.



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
(Accredited by NBA and NAAC, and an ISO 9001:2008 Certified Institution)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

M.E (APPLIED ELECTRONICS)
REGULATION-2014

SEMESTER I

S.NO	SUB CODE	SUBJECT NAME	Credit
1	120001	Applied Mathematics for Electrical and Electronics Engineers	4
2	120002	Statistical Signal Processing	4
3	120003	Advanced Digital System Design	3
4	120004	VLSI Design Techniques	3
5	120005	Advanced Microprocessors and Microcontrollers	3
6	120006	Electro Magnetic Interference and Compatibility in System Design	3
7	120101	Electronics Design Lab – I	2
TOTAL			22

SEMESTER II

S.NO	SUB CODE	SUBJECT NAME	Credit
1	120007	Embedded Systems	3
2	120008	Digital Control Engineering	4
3	120009	Soft Computing Techniques	3
4	120010	Analysis and Design of Analog Integrated Circuits	3
5	120011	ASIC and FPGA Design	3
6		Elective 1	3
PRACTICAL			
7	120102	Electronics Design Lab – II	2
TOTAL			21

SEMESTER III

S.NO	SUB CODE	SUBJECT NAME	Credit
1		Elective II	3
2		Elective III	3
3		Elective IV	3
4		Project Work (Phase – I)	8
TOTAL			17

SEMESTER IV

S.NO	SUB CODE	SUBJECT NAME	Credit
1	120302	Project Work (Phase – II)	12
TOTAL			12

LIST OF ELECTIVES

ELECTIVE I

S.NO	SUBJECT CODE	SUBJECT NAME	L	T	P	C
1	120201	Analog and Mixed Mode VLSI Design	3	0	0	3
2	120202	VLSI Signal Processing	3	0	0	3
3	120203	Measurement & Instrumentation	3	0	0	3
4	120204	Low Power VLSI Design	3	0	0	3
5	120205	VLSI for Wireless Communication	3	0	0	3

ELECTIVE II

S.NO	SUBJECT CODE	SUBJECT NAME	L	T	P	C
1	120206	Quantum Electronics	3	0	0	3
2	120207	Solid State Ionics	3	0	0	3
3	120208	Nano Electronics	3	0	0	3
4	120209	Data Converters	3	0	0	3
5	120210	Robotics	3	0	0	3

ELECTIVE III

S.NO	SUBJECT CODE	SUBJECT NAME	L	T	P	C
1	120211	DSP Integrated Circuits	3	0	0	3
2	120212	Computer Architecture and Parallel Processing	3	0	0	3
3	120213	Wavelet Transform and Application	3	0	0	3
4	120214	Advanced Digital Image Processing	3	0	0	3
5	120215	Research Methodologies	3	0	0	3

ELECTIVE IV

S.NO	SUBJECT CODE	SUBJECT NAME	L	T	P	C
1	120216	Sensor and Signals Conditioning	3	0	0	3
2	120217	Neural Networks and their Applications	3	0	0	3
3	120218	High Performance Communication Networks	3	0	0	3
4	120219	Photonics	3	0	0	3
5	120220	Fiber Optic Sensors	3	0	0	3