



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University)

OFFICE OF THE CONTROLLER OF EXAMINATIONS

(REGULATIONS-2016)

Programme: M E – Embedded System

Semester	M E (Embedded System - ES)						
	S. No.	Course Code	Course Title	Credits			
				L	T	P	C
1	1	16MAT11	Advanced Mathematics	3	1	0	4
	2	16AET12	Advanced Digital Logic System Design	3	1	0	4
	3	16EST12	Microcontroller Based System Design	3	0	0	3
	4	16EST13	Real Time Systems	3	0	0	3
	5	16EST14	Design of Embedded Systems	3	0	0	3
	6	16EST15	Real Time Operating Systems	3	0	0	3
	7	16ESL11	Embedded System Laboratory - I	0	0	2	1
2	1	16EST21	VLSI Architecture and Design Methodologies	3	0	0	3
	2	16EST22	Embedded Networking	3	0	0	3
	3	16EST23	Wireless and Mobile Communication	3	0	0	3
	4	16EST24	Software for Embedded Systems	3	0	0	3
	5		Professional Elective - I	3	0	0	3
	6		Professional Elective - II	3	0	0	3
	7	16ESL21	Embedded System Laboratory - II	0	0	2	1
3	1		Professional Elective – III	3	0	0	3
	2		Professional Elective -IV	3	0	0	3
	3		Open Elective	3	0	0	3
	4	16ESL31	Project Phase-I	0	0	12	6
4	1	16ESL41	Project Phase-II	0	0	24	12



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PEs	1	16ESE01	Adhoc Networks	3	0	0	3
	2	16ESE02	Advanced Digital Signal Processing	3	0	0	3
	3	16ESE03	Design of Embedded Control Systems	3	0	0	3
	4	16ESE04	Pervasive Devices And Technology	3	0	0	3
	5	16ESE05	Digital Instrumentation	3	0	0	3
	6	16ESE06	DSP Integrated Circuits	3	0	0	3
	7	16ESE07	Parallel Processing Architecture	3	0	0	3
	8	16ESE08	Programming with VHDL	3	0	0	3
	9	16ESE09	Advanced Embedded Systems	3	0	0	3
	10	16ESE10	Application of MEMS Technology	3	0	0	3
	11	16ESE11	Robotics and Control	3	0	0	3
	12	16ESE12	Soft Computing Techniques	3	0	0	3
	13	16ESE13	Cryptography and Network Security	3	0	0	3
	14	16ESE14	Digital Image Processing and Applications	3	0	0	3
	15	16ESE15	Embedded Communication Software Design	3	0	0	3
	16	16ESE16	RISC Processor Architecture and Programm	3	0	0	3

OEs	1	16ESO01	Computer in Networking and Control	3	0	0	3
	2	16ESO02	Data Communication & Networks	3	0	0	3
	3	16ESO03	Distributed Embedded Computing	3	0	0	3
	4	16ESO04	Smart Meter and Smart Grid Communication	3	0	0	3

PEs- Professional Electives

OEs- Open Electives