



**VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY**

(An Autonomous Institution Affiliated to Anna University)

**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

(REGULATIONS-2016)

**Programme: M E APPLIED ELECTRONICS**

Semester	M E (APPLIED ELECTRONICS - AE)						
	S. No.	Course Code	Course Title	Credits			
				L	T	P	C
1	1	16MAT13	Advanced Mathematics	3	2	0	4
	2	16AET11	Advanced Digital Logic Signal Processing	3	0	0	3
	3	16AET12	Advanced Digital Logic System Design	3	2	0	4
	4	16AET13	Advanced Microprocessor and Microcontroller	3	0	0	3
	5	16AET14	Hardware Software Co - Design	3	0	0	3
	6	16AET15	Genetic Algorithm and its Applications	3	0	0	3
	7	16AEL11	Electronics System Design Laboratory - I	0	0	4	2
2	1	16AET21	Analog Integrated Circuit Design	3	0	0	3
	2	16AET22	ASIC and FPGA Design	3	0	0	3
	3	16AET23	Embedded and Real Time Systems	3	0	0	3
	4	16AET24	Multicore Architectures	3	0	0	3
	5		Elective - I	3	0	0	3
	6		Elective - II	3	0	0	3
	7	16AEL21	Electronics System Design Laboratory - II	0	0	4	2
3	1		Elective - III	3	0	0	3
	2		Elective - IV	3	0	0	3
	3		Elective - V	3	0	0	3
	4	16AEL31	Project Work (Phase - I)	0	0	12	6
4	1	16AEL41	Project Work (Phase - II)	0	0	24	12



**VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY**

(An Autonomous Institution Affiliated to Anna University)

**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

(REGULATIONS-2016)

**Programme: M E APPLIED ELECTRONICS**

Semester	<b>M E (APPLIED ELECTRONICS - AE)</b>						
	S. No.	Course Code	Course Title	Credits			
				L	T	P	C
PEs	1	16AEE01	Soft Computing Techniques	3	0	0	3
	2	16AEE02	CAD for VLSI Circuits	3	0	0	3
	3	16AEE03	Compatibility	3	0	0	3
	4	16AEE04	DSP Integrated Circuits	3	0	0	3
	5	16AEE05	VLSI Design Techniques	3	0	0	3
	6	16AEE06	Analog and Mixed Mode VLSI Design	3	0	0	3
	7	16AEE07	VLSI Signal Processing	3	0	0	3
	8	16AEE08	Low Power VLSI Design	3	0	0	3
	9	16AEE09	Speech and Audio Signal Processing	3	0	0	3
	10	16AEE10	Wireless Adhoc and Sensor Networks	3	0	0	3
	11	16AEE11	Reconfigurable Computing	3	0	0	3
	12	16AEE12	Physical Design of VLSI Circuits	3	0	0	3
	13	16AEE13	Nano Electronic Devices	3	0	0	3
	14	16AEE14	Networks	3	0	0	3
	15	16AEE15	Advanced Digital Image Processing	3	0	0	3
	16	16AEE16	Wavelet Transforms and Applications	3	0	0	3
	17	16AEE17	Processing	3	0	0	3
	18	16AEE18	Cryptography	3	0	0	3
	19	16AEE19	Industrial Instrumentation	3	0	0	3
	20	16AEE20	Biomedical Imaging Techniques	3	0	0	3

**PEs- Professional Electives**