



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University)
OFFICE OF THE CONTROLLER OF EXAMINATIONS
(REGULATIONS-2016)

Programme: MASTER OF COMPUTER APPLICATIONS

Semester	MASTER OF COMPUTER APPLICATIONS (CA)						
	S. No.	Course Code	Course Title	Credits			
				L	T	P	C
1	1	16CA T11	Introduction to Computing and C Programming	3	0	0	3
	2	16CA T12	Organizational System and Behavior	3	0	0	3
	3	16CA T13	Computer System Architecture	3	2	0	4
	4	16CA T14	Data Structures	3	0	0	3
	5	16CA T15	Database Management systems	3	0	0	3
	6	16CA L11	C Programming Laboratory	0	0	4	2
	7	16CA L12	Data Structures Laboratory	0	0	4	2
	8	16CA L13	Database Management systems Laboratory	0	0	4	2
2	1	16CA T21	Numerical and Optimization Techniques	3	2	0	4
	2	16CA T22	Design and Analysis of Algorithms	3	0	0	3
	3	16CA T23	Advanced Operating Systems	3	0	0	3
	4	16CA T24	Object Oriented Programming with C++	3	0	0	3
	5	16CA T25	Software Engineering	3	0	0	3
	6	16CA L21	Algorithms Laboratory	0	0	4	2
	7	16CA L22	Advanced Operating Systems Laboratory	0	0	4	2
	8	16CA L23	Object Oriented Programming with C++ Laboratory	0	0	4	2
3	1	16CA T31	Embedded Systems	3	0	0	3
	2	16CA T32	Computer Graphics and Multimedia Applications	3	0	0	3
	3	16CA T33	Data Warehousing and Data Mining	3	0	0	3
	4	16CA T34	Network Programming	3	0	0	3
	5	16CA T35	Object Oriented Analysis and Design	3	2	0	4
	6	16CA L31	Embedded Systems Laboratory	0	0	4	2
	7	16CA L32	Graphics and Multimedia Applications Laboratory	0	0	4	2
	8	16CA L33	Network Programming Laboratory	0	0	4	2
	9	16EN L32	Communication and Soft Skills Laboratory	0	0	3	1
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				L	T	P	C
4	1	16CA T41	Internet and Java Programming	3	2	0	4
	2	16CA T42	Cloud Computing and Big Data Analytics	3	0	0	3
	3	16CA T43	Open Source Technologies	3	0	0	3
	4	16CA T44	Professional Elective-I	3	0	0	3
	5	16CA T45	Professional Elective - II	3	0	0	3
	6	16CA L41	Internet and Java Programming Laboratory	0	0	4	2
	7	16CA L42	Open Source Technologies Laboratory	0	0	4	2
	8	16CA L43	Technical Seminar and Report Writing	0	0	2	1
	9	16ENL51	Aptitude and Logical Reasoning - I	0	0	2	0
5	1	16CA T51	Mobile Computing	3	0	0	3
	2	16CA T52	Software Testing and Quality Assurance	3	0	0	3
	3	16CA T53	Security Practices	3	0	0	3
	4		Professional Elective-III	3	0	0	3
	5		Professional Elective - IV	3	0	0	3
	6	16CA L51	Mobile Applications Development Laboratory	0	0	4	2
	7	16CA L52	Security Practices Laboratory	0	0	4	2
	8	16CA L53	Mini Project	0	0	4	2
	9	16ENL62	Aptitude and Logical Reasoning - II	0	0	2	0
6	1	16CA T61	Major Project	0	0	24	12



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PEs	1	16CAE01	C# and .Net Framework	3	0	0	3
	2	16CAE02	Soft Computing	3	0	0	3
	3	16CAE03	Network Security	3	0	0	3
	4	16CAE04	Ad-hoc and Sensor Networks	3	0	0	3
	5	16CAE05	Software Agents	3	0	0	3
	6	16CAE06	Database Tuning	3	0	0	3
	7	16CAE07	E-Learning Techniques	3	0	0	3
	8	16CAE08	Information Security	3	0	0	3
	9	16CAE09	Management Information Systems	3	0	0	3
	10	16CAE10	Professional Ethics	3	0	0	3
	11	16CAE11	Supply Chain Management	3	0	0	3
	12	16CAE12	Human Resource Management	3	0	0	3
	13	16CAE13	Digital Image Processing	3	0	0	3
	14	16CAE14	Middleware Technologies	3	0	0	3
	15	16CAE15	UNIX Internals	3	0	0	3
	16	16CAE16	Service Oriented Architecture	3	0	0	3
	17	16CAE17	Internet of Things	3	0	0	3
	18	16CAE18	Intellectual Property Rights	3	0	0	3
	19	16CAE19	Enterprise Resource Planning	3	0	0	3
	20	16CAE20	Graph Theory and Applications	3	0	0	3

PEs- Professional Electives

OEs- Open Electives