



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

Programme: B.E. Computer Science and Engineering

Semester	B E (COMPUTER SCIENCE AND ENGINEERING -CS)						
	S. No.	Course Code	Course Title	Credits			
				L	T	P	C
1	1	16ENT11	Communicative English - I	3	0	0	3
	2	16MAT11	Mathematics - I	3	2	0	4
	3	16PHT11	Engineering Physics	3	0	0	3
	4	16CYT11	Applied Chemistry - I	3	0	0	3
	5	16EET11 / 16EET21	Basic Electrical and Electronics Engineering	3	0	0	3
	6	16MEC11	Engineering Graphics	2	0	4	4
	7	16PHL11	Physics and Chemistry Laboratory - I	0	0	3	1
	8	16MEL11	Engineering Practices Laboratory	0	0	3	2
	9	16VET11	Value Education for Youth Empowerment	0	0	2	1
2	1	16ENT21	Communicative English - II	3	0	0	3
	2	16MAT21	Mathematics - II	3	2	0	4
	3	16PHT21	Materials Science	3	0	0	3
	4	16CYT21	Applied Chemistry - II	3	0	0	3
	5	16CST21	Problem Solving and Programming	3	0	0	3
	6	16ECT22	Digital Electronics	3	0	0	3
	7	16PHL21	Physics and Chemistry Laboratory - II	0	0	3	1
	8	16CSL21	Problem Solving and Programming Laboratory	0	0	3	1
	9	16ECL22	Digital Electronics Laboratory	0	0	3	1
3	1	16MAT32	Discrete Mathematics	3	2	0	4
	2	16CYT31	Environmental Science and Engineering	3	0	0	3
	3	16CST31	Object Oriented Programming	3	2	0	4
	4	16CST32	Data Structures	3	2	0	4
	5	16CSC33	Foundation of Software Engineering	3	0	2	4
	6	16ITT32	Computer Architecture	3	0	0	3
	7	16CSL31	Object Oriented Programming Laboratory	0	0	3	1
	8	16CSL32	Data Structures Laboratory	0	0	3	1
	9	16ENL31	Professional Communication-I	0	0	2	1



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4	1	16MAT44	Statistics and Numerical Methods	3	2	0	4
	2	16CST41	Database Management Systems	3	0	0	3
	3	16CST42	Fundamentals of Java Programming	3	2	0	4
	4	16CSC43	Operating Systems	3	0	2	4
	5	16CST44	Compiler Design	3	2	0	4
	6	16ITT43	Design and Analysis of Algorithms	3	2	0	4
	7	16CSL41	Database Management Systems Laboratory	0	0	3	1
	8	16CSL42	Fundamental Java Programming Laboratory	0	0	3	1
	9	16ENL41	Professional Communication -II	0	0	2	1
5	1	16CST51	Data Communication and Networks	3	0	0	3
	2	16CST52	Distributed Systems	3	0	0	3
	3	16ITT53	Web Technology	3	0	0	3
	4	16ECC51	Micro Processor and Micro Controller System	3	0	2	4
	5	16MET81	Professional Ethics for Engineers	3	0	0	3
	6		Professional Elective-I	3	0	0	3
	7	16CSL51	Data Communication and Networks Laboratory	0	0	3	1
	8	16ITL53	Web Technology Laboratory	0	0	3	1
	9	16ENL51	Aptitude and Logical Reasoning -I	0	0	2	1
6	1	16MET72	Engineering Economics and Management	3	0	0	3
	2	16CST61	Introduction to Theory of Computation	3	2	0	4
	3	16CST62	Mobile Application Development	3	2	0	4
	4	16CSC63	Computer Graphics & Multimedia	3	0	2	4
	5		Professional Elective- II	3	0	0	3
	6		Open Elective - I	3	0	0	3
	7	16CSL61	Mobile Application Development Laboratory	0	0	3	1
	8	16ENL52	Communication Skills Laboratory	0	0	3	1
	9	16ENL61	Aptitude and Logical Reasoning -II	0	0	2	1
7	1	16CST71	Big Data and Analytics	3	0	0	3
	2	16ITT71	Cryptography and Network Security	3	2	0	4
	3		Professional Elective - III	3	0	0	3
	4		Open Elective - II	3	0	0	3
	5		Open Elective - III	3	0	0	3
	6	16CSL71	Big data and Analytics Laboratory	0	0	3	1
	7	16CSL72	Comprehension	0	0	4	2
	8	16CSL73	Mini Project	0	0	4	2



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8	1	16CST81	Software Testing	3	0	0	3
	2		Professional Elective - IV	3	0	0	3
	3		Professional Elective - V	3	0	0	3
	4	16CSL81	Project Work	0	0	16	8

PEs	1	16CSE01	Agile Software Development	3	0	0	3
	2	16CSE02	Building Enterprise Applications	3	0	0	3
	3	16CSE03	Python Programming	3	0	0	3
	4	16CSE04	Business Intelligence and its Applications	3	0	0	3
	5	16CSE05	Image Processing	3	0	0	3
	6	16CSE06	Information Retrieval	3	0	0	3
	7	16CSE07	Ad hoc and Sensor Networks	3	0	0	3
	8	16CSE08	Principles of Internet of Things	3	0	0	3
	9	16CSE09	Service Oriented Architecture	3	0	0	3
	10	16CSE10	Cloud Computing Techniques	3	0	0	3
	11	16ITT63	Artificial Intelligence	3	0	0	3
	12	16CSE11	Machine Learning	3	0	0	3
	13	16CSE12	User Experience Design	3	0	0	3
	14	16ITE04	Cyber Forensics	3	0	0	3
	15	16CSE13	Software Quality Management	3	0	0	3

OEs	1	16CSO01	Introduction to Python	3	0	0	3
	2	16CSO02	Fundamentals of Networking	3	0	0	3
	3	16CSO03	Web Designing	3	0	0	3
	4	16CSO04	Principles of Cyber Security	3	0	0	3

PEs- Professional Electives

OEs- Open Electives