

SEMESTER I

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA101	English	4	-	-	25	75	100	4
2	DMCA102	Mathematical Foundation of Computer Science	4	1	-	25	75	100	4
3	DMCA103	Statistics-I	4	-	-	25	75	100	4
4	DMCA104	Introduction to Computers & PC hardware	4	-	-	25	75	100	4
5	DMCA105	Programming Methodology & C Programming	4	1	-	25	75	100	4
6	DMCA106	Software Lab-1(PC hardware Lab- Office documents)	-	-	4	25	75	100	2
7	DMCA107	Software Lab-11(C Lab)	-	-	4	25	75	100	2
Total			20	2	8	-	-	700	24

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER II

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA201	Technical Communication	4	-	-	25	75	100	4
2	DMCA202	Statistics- II	4	-	-	25	75	100	4
3	DMCA203	Digital Systems & Logic Designs	4	-	-	25	75	100	4
4	DMCA204	Data Structures- C	4	1	-	25	75	100	4
5	DMCA205	Object Oriented Programming with C++	4	1	-	25	75	100	4
6	DMCA206	Software Lab- III(Data Structures lab in C)	-	-	4	25	75	100	2
7	DMCA207	Software Lab-1V(C ++Lab)	-	-	4	25	75	100	2
Total			20	2	8	-	-	700	24

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER III

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA301	Computer Organization & Architecture	4	-	-	25	75	100	4
2	DMCA302	Operating Systems	4	-	-	25	75	100	4
3	DMCA303	Data Base Management Systems	4	1	-	25	75	100	4
4	DMCA304	Accounting and Financial Management	4	-	-	25	75	100	4
5	DMCA305	Visual Programming(VB)	4	1	-	25	75	100	4
6	DMCA306	Software Lab-V(DBMS Lab)	-	-	4	25	75	100	2
7	DMCA307	Software Lab-V1(Visual Programming Lab)	-	-	4	25	75	100	2
Total			20	2	8	-	-	700	24

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER IV

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA401	Java Programming	4	1	-	25	75	100	4
2	DMCA402	Microprocessors	4	1	-	25	75	100	4
3	DMCA403	Multimedia Systems	4	-	-	25	75	100	4
4	DMCA404	Data Communications	4	-	-	25	75	100	4
5	DMCA405	Management Information Systems	4	-	-	25	75	100	4
6	DMCA406	Software Lab-VII(Java Lab)	-	-	4	25	75	100	2
7	DMCA407	Software Lab-VIII(Microprocessors Lab)	-	-	4	25	75	100	2
Total			20	2	8	-	-	700	24

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER V

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA501	Operations Research	4	-	-	25	75	100	4
2	DMCA502	PHP Programming	4	1	-	25	75	100	4
3	DMCA503	Linux & Shell Programming	4	1	-	25	75	100	4
4	DMCA504	Computer Networks	4	-	-	25	75	100	4
5	DMCA505	Software Engineering	4	-	-	25	75	100	4
6	DMCA506	Software Lab-IX(PHP Lab)	-	-	4	25	75	100	2
7	DMCA507	Software Lab-X(Linux & Shell Programming Lab)	-	-	4	25	75	100	2
Total			20	2	8	-	-	700	24

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER VI

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA601	Object Oriented Modeling & Designing	4	-	-	25	75	100	4
2	DMCA602	IT Infrastructure Management	4	-	-	25	75	100	4
3	DMCA603	Elective I	4	-	-	25	75	100	4
4	DMCA604	Seminar- I	-	-	2	25	75	100	2
5	DMCA605	Software Development- Project I	-	-	4	25	75	100	4
Total			12	-	6	-	-	500	18

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER VII

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA701	Mathematical foundations of Computer Security	4	-	-	25	75	100	4
2	DMCA702	Principles of Management & Marketing	4	-	-	25	75	100	4
3	DMCA703	Data Mining & Warehousing	4	1	-	25	75	100	4
4	DMCA704	Web Technologies	4	1	-	25	75	100	4
5	DMCA705	Python Programming	4	-	-	25	75	100	4
6	DMCA706	Software Lab-XI(Python Lab)	-	-	4	25	75	100	2
7	DMCA707	Software Lab-X(Web Technologies Lab)	-	-	4	25	75	100	2
Total			20	2	8	-	-	700	24

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER VIII

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA801	Cryptography and Network Security	4	-	-	25	75	100	4
2	DMCA802	Artificial Intelligence	4	-	-	25	75	100	4
3	DMCA803	Data Analysis & Algorithms	4	1	-	25	75	100	4
4	DMCA804	Elective- II	4	1	-	25	75	100	4
5	DMCA805	Computer Graphics and Open GL	4	-	-	25	75	100	4
6	DMCA806	Seminar- II	-	-	4	25	75	100	2
7	DMCA807	Software Lab-XII(Graphics Lab)	-	-	4	25	75	100	2
Total			20	2	8	-	-	700	24

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER IX

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCA901	Research Methodology	4	-	-	25	75	100	4
2	DMCA902	Compiler Design	4	1	-	25	75	100	4
3	DMCA903	Distributed Computing	4	1	-	25	75	100	4
4	DMCA904	Modeling & Simulation	4	-	-	25	75	100	4
5	DMCA905	Elective- III	4	-	-	25	75	100	4
6	DMCA906	Software Lab-XIV(Compiler Design Lab)	-	-	4	25	75	100	2
7	DMCA907	Software Lab-XV(Cloud Computing Lab)	-	-	4	25	75	100	2
Total			20	2	8	-	-	700	24

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination

SEMESTER X

Sl no	Course code	Subject	Hours / week			Sessional	ESE	Total	Credits
			L	T/P	P				
1	DMCAX01	Research Element- Project II	-	-	-	150	100	250	8
2	DMCAX02	Viva Voce	-	-	-	-	100	100	4
Total			-	-	-	-	-	350	12

L-Lecture T-Tutorial P-Practical ESE-End Semester Examination