

MVN UNIVERSITY
Department of Computer Science and Engineering
Scheme of Studies

Diploma in Computer Science and Engineering First Year												
First Semester												
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %			
			L	T	P				CW	MTE	ETE	
1	Mathematics-I	AHL003-A	4	1	0	5	5	3	10	30	60	
2	Physics-I	AHL001-A	4	1	0	5	5	3	10	30	60	
3	Effective Communication in English-I	AHL005-A	3	1	0	4	4	3	10	30	60	
4	Fundamental of Computers	CSL001-A	3	1	0	4	4	3	10	30	60	
5	Chemistry	AHL010-A	3	1	0	4	4	3	10	30	60	
	Basics of Electrical & Electronics Engineering	EEL010-A						3				
6	Chemistry Lab	AHP010-A	0	0	2	2	1	3	20	20	60	
	Basics of Electrical & Electronics Engineering Lab	EEP010-A						3				
7	Engineering Drawing	MEP010-A	1	0	3	4	2	3	20	20	60	
	Workshop	MEP020-A						3				
8	Language Communication-I	AHL007-A	3	0	0	3	NC	3	20	20	60	
9	Physics-I Lab	AHP005-A	0	0	2	2	1	3	20	20	60	
10	Fundamental of Computers Lab	CSP001-A	0	0	2	2	1	3	20	20	60	
Total			21	5	9	35	27					

Second Semester												
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %			
			L	T	P				CW	MTE	ETE	
1	Physics-II	AHL002-A	4	1	0	5	5	3	10	30	60	
2	Mathematics-II	AHL004-A	4	1	0	5	5	3	10	30	60	
3	Effective Communication in English-II	AHL006-A	3	1	0	4	4	3	10	30	60	
4	Introduction to C	CSL002-A	3	1	0	4	4	3	10	30	60	
5	Chemistry	AHL010-A	3	1	0	4	4	3	10	30	60	
	Basics of Electrical & Electronics Engineering	EEL010-A						3				
6	Chemistry Lab	AHP010-A	0	0	2	2	1	3	20	20	60	
	Basics of Electrical & Electronics Engineering Lab	EEP010-A						3				
7	Engineering Drawing	MEP010-A	1	0	3	4	2	3	20	20	60	
	Workshop	MEP020-A						3				
8	Language Communication-II	AHL008-A	3	0	0	3	NC	3	20	20	60	
9	Physics-II Lab	AHP002-A	0	0	2	2	1	3	20	20	60	
10	Introduction to C Lab	CSP002-A	0	0	2	2	1	3	20	20	60	
Total			21	5	9	35	27					

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Diploma in Computer Science and Engineering Second Year											
Third Sem											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration	Weightage %		
			L	T	P			Hours	CW	MTE	ETE
1	Data Structures using C	CSL031-A	3	1	0	4	4	3	10	30	60
2	Operating System	CSL033-A	3	1	0	4	4	3	10	30	60
3	Software Engineering	CSL035-A	3	0	0	3	3	3	10	30	60
4	Computer Networks	CSL037-A	3	0	0	3	3	3	10	30	60
5	Discrete Structures	CSL039-A	3	1	0	4	4	3	10	30	60
6	Math III	AHL 033-A	4	1	0	5	5	3	10	30	60
7	Data Structures using C lab	CSP031-A	0	0	2	2	1	3	20	20	60
8	Operating System lab	CSP033-A	0	0	2	2	1	3	20	20	60
9	Language Communication-III	AHP031-A	1	0	2	3	NC	3	20	20	60
10	VAC-I	CSV031-A	0	0	2	2	NC	0	40	60	0
	Total		20	4	8	32					

Fourth Sem											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration	Weightage %		
			L	T	P			Hours	CW	MTE	ETE
1	Web Programming	CSL032-A	3	1	0	4	4	3	10	30	60
2	Object Oriented Programming with C++	CSL034-A	3	1	0	4	4	3	10	30	60
3	Computer Architecture and Organization	CSL036-A	3	1	0	4	4	3	10	30	60
4	Data Base Management System	CSL038-A	3	0	0	3	3	3	10	30	60
5	Advanced Networking	CSP042-A	0	0	4	4	2	3	10	30	60
6	Basics of EVS	AHL 034-A	2	0	0	2	2	3	10	30	60

7	Language Communication-IV	AHP032-A	1	0	2	3	NC	3	20	20	60
8	Web Programming lab	CSP032-A	0	0	2	2	1	3	20	20	60
9	Object Oriented Programming with C++ lab	CSP034-A	0	0	2	2	1	3	20	20	60
10	Data Base Management System lab	CSP038-A	0	0	2	2	1	3	20	20	60
11	Minor Project	CSP032-A	0	0	4	4	2	3	20	20	60
	Total		15	3	16	34	24				

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Diploma in Computer Science and Engineering Third Year											
Fifth Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Core Java	CSL061-A	3	1	0	4	4	3	10	30	60
2	Computer Graphics	CSL063-A	3	1	0	4	4	3	10	30	60
3	Computer Hardware and Maintenance	CSL065-A	3	0	0	3	3	3	10	30	60
4	Basics of .Net Technology	CSL067-A	3	0	0	3	3	3	10	30	60
5	Language Communication-V	AHL061-A	2	0	0	2	NC	3	20	20	60
6	Core Java lab	CSP061-A	0	0	2	2	1	3	20	20	60
7	Hardware and Maintenance lab	CSP065-A	0	0	2	2	1	3	20	20	60
8	Basics of .Net lab	CSP067-A	0	0	2	2	1	3	20	20	60
9	VAC-II	CSV061-A	0	0	2	2	NC	0	40	60	0
10	Project-I	CSP061-A	0	0	4	4	2	3	20	20	60
11	Industrial Training viva	CST042-A	0	2	0	2	2	0	40	60	0
	Total		14	4	12	30	21				

Sixth Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Advanced .Net Technology	CSL062-A	3	0	0	3	3	3	10	30	60
2	Multi Media Technology	CSL064-A	3	0	0	3	3	3	10	30	60
3	Graph Theory	CSL066-A	3	0	0	3	3	3	10	30	60
4	Advanced Java	CSL068-A	3	0	0	3	3	3	10	30	60
5	Relational Data Base Management System Lab	CSP072-A	0	0	4	4	2	3	10	30	60
6	Language Communication-VI	AHL062-A	2	0	0	2	NC	3	20	20	60
7	Seminar	CSS062-A	0	2	0	2	2	0	40	60	0
8	Advanced .Net lab	CSP062-A	0	0	2	2	1	3	20	20	60
9	Multi Media lab	CSP064-A	0	0	2	2	1	3	20	20	60

10	Advanced Java lab	CSP068-A	0	0	2	2	1	3	20	20	60
11	Project-II	CSP062-A	0	0	4	4	2	3	20	20	60
	Total		14	2	14	30	21				

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B.Tech. Computer Science and Engineering First Year

First Semester												
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %			
			L	T	P				CW	MTE	ETE	
1	Applied Mathematics - I	AHL 103-A	3	1	0	4	4	3	10	30	60	
2	Applied Physics - I	AHL 101-A	3	1	0	4	4	3	10	30	60	
3	Communication Skills in English - I	AHL 105-A	3	0	0	3	3	3	10	30	60	
4	Introduction to Computer Programming	CSL101-A	3	1	0	4	4	3	10	30	60	
5	Electrical Technology / Basic Electronics	EEL100-A/ECL100-A	3	1	0	4	4	3	10	30	60	
6	Elements of Mechanical Engineering	MEL 101-A	3	1	0	4	4	3	10	30	60	
7	Professional Communication-I	AHP115-A	1	0	2	3	NC	3	20	20	60	
8	Applied Physics Lab- I	AHP 101-A	0	0	2	2	1	3	20	20	60	
9	Introduction to Computer Programming Lab	CSP 101-A	0	0	2	2	1	3	20	20	60	
10	Electrical Technology Lab / Basic Electronics Lab	EEL 100-A/ECP 100-A	0	0	2	2	1	3	20	20	60	
11	Elements of Mechanical Engineering Lab	MEP101-A	0	0	2	2	1	3	20	20	60	
	Total		19	5	10	34	27					

Second Semester												
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %			
			L	T	P				CW	MTE	ETE	
1	Applied Mathematics – II	AHL 104-A	3	1	0	4	4	3	10	30	60	
2	Applied Physics – II	AHL 102-A	3	1	0	4	4	3	10	30	60	
3	Communication skills in English – II	AHL 106-A	3	0	0	3	3	3	10	30	60	
4	Advanced C Programming	CSL 102-A	3	1	0	4	4	3	10	30	60	
5	Engineering Drawing	MEP102-A	1	0	3	4	3	3	10	30	60	
6	Electrical Technology/Basic Electronics	EEL 100-A/ECL 100-A	3	1	0	4	4	3	10	30	60	
7	Professional Communication-II	AHP116-A	1	0	2	3	NC	3	20	20	60	
8	Environmental Studies	AHL110-A	2	0	0	2	2	3	20	20	60	
9	Applied Physics Lab – II	AHP 102-A	0	0	2	2	1	3	20	20	60	
10	Advanced C Programming Lab	CSP 102-A	0	0	2	2	1	3	20	20	60	
11	Electrical Technology Lab/Basic Electronics Lab	EEL 100-A/ECP 100-A	0	0	2	2	1	3	20	20	60	
	Total		19	4	11	34	27					

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B.Tech. Computer Science and Engineering Second Year											
III Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Object Oriented Programming using C++	CSL203-A	3	1	0	4	4	3	10	30	60
2	Data Structure & Applications	CSL205-A	3	1	0	4	4	3	10	30	60
3	Discrete Structures	CSL207-A	3	1	0	4	4	3	10	30	60
4	Digital Electronics	ECL203-A	3	1	0	4	4	3	10	30	60
5	Managerial Economics	MSL503-A	3	0	0	3	3	3	10	30	60
6	Applied Mathematics-III	AHL211-A	3	1	0	4	4	3	10	30	60
7	Professional Communication – III/VAC-I*	AHP201-A/CSV 202-A	1	0	2	3	NC	3	20	20	60
8	Object Oriented Programming using C++ Lab	CSP203-A	0	0	2	2	1	3	20	20	60
9	Digital Electronics Lab	ECP203-A	0	0	2	2	1	3	20	20	60
10	Data Structure & Applications Lab	CSP205-A	0	0	2	2	1	3	20	20	60
Total			19	5	8	32	26				

* VAC-I no external exam will be held

IV Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Computer Architecture & Organization	CSL 202- A	3	1	0	4	4	3	10	30	60
2	Database Admin Concepts & Management	CSL 204- A	3	1	0	4	4	3	10	30	60
3	Internet & Web Technology	CSL 206- A	3	0	0	3	3	3	10	30	60
4	Multimedia and Animation	CSL 208 -A	3	1	0	4	4	3	10	30	60
5	Software Engineering	CSL 212-A	3	1	0	4	4	3	10	30	60
6	Programming Language	CSL214-A	3	0	0	3	3	3	10	30	60
7	VAC-I/Professional Communication-III	CSV202-A/AHP 201-A	1	0	2	3	NC	3	20	20	60

8	Database Admin Concepts & Management Lab	CSP 204-A	0	0	2	2	1	3	20	20	60
9	Internet & Web Technology Lab	CSP 206-A	0	0	2	2	1	3	20	20	60
10	Multimedia and Animation Lab	CSP208 -A	0	0	2	2	1	3	20	20	60
	Total		19	4	8	31	25				

* VAC-I no external exam will be held

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V Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Operating System	CSL301-A	3	1	0	4	4	3	10	30	60
2	Core Java	CSL303-A	3	0	0	3	3	3	10	30	60
3	FL & Automata Theory	CSL305-A	3	1	0	4	4	3	10	30	60
4	Algorithm Design & Analysis	CSL307-A	3	1	0	4	4	3	10	30	60
5	Microprocessor & Interfacing	ECL307-A	3	1	0	4	4	3	10	30	60
6	ComputerGraphics	CSL309-A	3	0	0	3	3	3	10	30	60
7	Practical Training -I	CST311-A	0	0	2	2	1	3	40	60	0
8	Professional Communication – IV/VAC-II	AHP301-A/CSV302-A	1	0	2	3	NC	3	20	20	60
9	Core Java Lab	CSP303-A	0	0	2	2	1	3	20	20	60
10	Algorithm Design & Analysis Lab	CSP307-A	0	0	2	2	1	3	20	20	60
11	Computer Graphics Lab	CSP309-A	0	0	2	2	1	3	20	20	60
12	Operating System Lab	CSP301-A	0	0	2	2	1	3	20	20	60
	Total		19	4	12	35	27				

VI Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Distributed Operating System	CSL302-A	3	0	0	3	3	3	10	30	60
2	Artificial Intelligence	CSL 304-A	3	1	0	4	4	3	10	30	60
3	Principles of Compiler Design	CSL306-A	3	0	0	3	3	3	10	30	60
4	Introduction to Cyber Security	CSL308-A	3	1	0	4	4	3	10	30	60
5	Computer Network	CSL310-A	3	0	0	3	3	3	10	30	60
6	Advanced java	CSL312-A	3	1	0	4	4	3	10	30	60
7	Artificial Intelligence Lab	CSP304-A	0	0	2	2	1	3	20	20	60
8	Principles of Compiler Design Lab	CSP306-A	0	0	2	2	1	3	20	20	60
9	Introduction to Cyber Security Lab	CSP308-A	0	0	2	2	1	3	20	20	60
10	Advanced java Lab	CSP312-A	0	0	2	2	1	3	20	20	60
11	VAC –II/Professional Communication-IV	CSV-302-A/AHP301-A	1	0	2	3	NC	3	20	20	60
	Total		19	3	10	32	25				

VAC- II no external exam will be held

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B.Tech. Computer Science and Engineering Fourth Year											
VII Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	.NET Technology-I	CSL401-A	3	0	0	3	3	3	10	30	60
2	Network Programming	CSL403-A	3	0	0	3	3	3	10	30	60
3	Neural Networks	CSL405-A	3	0	0	3	3	3	10	30	60
4	Elective-I	*1	3	1	0	4	4	3	10	30	60
5	Professional Communication – V/VAC-III	AHP401-A/CSV402-A	1	0	2	3	NC	3	20	20	60
6	Seminar	CSS401-A	0	0	2	2	1	0	40	60	0
7	Minor Project	CSD401-A	0	0	2	2	1	3	20	20	60
8	Practical Training-II	CST411-A	0	0	2	2	1	0	40	60	0
9	.NET Technology-I Lab	CSP401-A	0	0	2	2	1	3	20	20	60
10	Network Programming Lab	CSP403-A	0	0	2	2	1	3	20	20	60
11	Neural Networks Lab	CSP405-A	0	0	2	2	1	3	20	20	60
Total			13	1	16	30	20				

List of Elective-I 1*											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Fuzzy System	CSL413-A	3	1	0	4	4	3	10	30	60
2	Real Time System	CSL417-A	3	1	0	4	4	3	10	30	60
3	Object Oriented Software Engg.	CSL419-A	3	1	0	4	4	3	10	30	60
4	Information Retrieval	CSL421-A	3	1	0	4	4	3	10	30	60
Total Credits			3	1	0	4	4	3	10	30	60

VIII Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE

1	Advanced Computer Architecture	CSL402-A	3	1	0	4	4	3	10	30	60
2	Cryptography	CSL404-A	3	1	0	4	4	3	10	30	60
3	Network Security	CSL406-A	3	0	0	3	3	3	10	30	60
4	Software Project Management	CSL406-A	3	0	0	3	3	3	10	30	60
5	Elective-II	*2	3	1	0	4	4	3	20	20	60
6	VAC	CSV402-A/AHP401-A	1	0	2	3	NC	3	20	20	60
7	-III/Professional Communication-V	CSD408-A	0	0	6	6	3	3	20	20	60
8	Project	CSD408-A	0	0	6	6	3	3	20	20	60
9	Matlab Application	CSP 408-A	0	0	2	2	1	3	20	20	60
Total			13	3	12	28	20				

List of Elective-II 2*											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration	Weightage %		
			L	T	P			Hours	CW	MTE	ETE
1	Data Mining & knowledge	CSL412-A	3	1	0	4	4	3	10	30	60
2	MOSIC	ECL313-A	3	1	0	4	4	3	10	30	60
3	Cloud computing	CSL416-A	3	1	0	4	4	3	10	30	60
4	Soft Computing	CSL418-A	3	1	0	4	4	3	10	30	60

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M.Tech. Computer Science and Engineering First Year											
I Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Object Oriented Software Design & UML	CSL501-A	3	0	0	3	3	3	10	30	60
2	Software Engineering Concepts & Methodology	CSL503-A	3	0	0	3	3	3	10	30	60
3	Concepts of Distributed Systems	CSL505-A	3	0	0	3	3	3	10	30	60
4	Advanced C/C++ Programming	CSL507-A	3	0	0	3	3	3	10	30	60
5	Object Oriented Software Design & UML Lab	CSP501-A	0	0	2	2	1	3	20	20	60
6	Advanced C/C++ Programming Lab	CSP507-A	0	0	2	2	1	3	20	20	60
7	Matlab	CSP509-A	0	0	4	4	2	3	20	20	60
8	Seminar-I	CSS511-A	0	0	4	4	2	0	40	60	0
Total			12	0	12	24	18				

II Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Advanced Computer Architecture	CSL502-A	3	0	0	3	3	3	10	30	60
2	Advanced Operating System	CSL504-A	3	0	0	3	3	3	10	30	60
3	Advanced JAVA	CSL506-A	3	0	0	3	3	3	10	30	60
4	Grammar & Natural Language Processing	CSL508-A	3	0	0	3	3	3	10	30	60
5	Elective-I	1*	3	0	0	3	3	3	10	30	60
6	Advanced JAVA Lab	CSP506-A	0	0	2	2	1	3	20	20	60
7	Elective-I Lab	1*	0	0	2	2	1	3	20	20	60
8	Oracle lab	CSP512-A	0	0	2	2	1	3	20	20	60
9	Major Project	CSP514-A	0	0	6	6	3	3	20	20	60
Total			15	0	12	27	21				

List of Elective- I

S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Concepts of Soft Computing	CSL516-A	3	0	0	3	3	3	10	30	60
2	Concepts of Information Retrieval	CSL518-A	3	0	0	3	3	3	10	30	60
3	Concepts of Software Engineering	CSL522-A	3	0	0	3	3	3	10	30	60
4	Concepts of Data Warehousing and Data Mining	CSL524-A	3	0	0	3	3	3	10	30	60
5	Concepts of Soft Computing Lab	CSP516-A	0	0	2	2	1	3	20	20	60
6	Concepts of Information Retrieval Lab	CSP518-A	0	0	2	2	1	3	20	20	60
7	Concepts of Software Engineering Lab	CSP522-A	0	0	2	2	1		20	20	60
8	Concepts of Data Warehousing and Data Mining Lab	CSP524-A	0	0	2	2	1		20	20	60
9	Total		3	0	2	5	4				

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III Semester											
S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Information System Security	CSL601-A	3	0	0	3	3	3	10	30	60
2	Algorithms Design & Techniques	CSL603-A	3	0	0	3	3	3	10	30	60
3	Elective-II	2*	3	0	2	5	4	3	10	30	60
4	Dissertation-I	CSP601-A	0	0	4	4	2	3	20	20	60
5	Algorithms Design & Techniques	CSP603-A	0	0	2	2	1	3	10	30	60
6	Seminar-II	CSS609-A	0	0	4	4	2	0	40	60	0

List of Elective II

S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration Hours	Weightage %		
			L	T	P				CW	MTE	ETE
1	Advanced Soft Computing	CSL607-A	3	0	0	3	3	3	10	30	60
2	Advanced Soft Computing Lab	CSP607-A	0	0	2	2	1	3	10	30	60
3	Advanced Information Retrieval	CSL609-A	3	0	0	3	3	3	10	30	60
4	Advanced Information Retrieval Lab	CSP609-A	0	0	2	2	1	3	20	20	60
5	Advanced Software Engineering	CSL611-A	3	0	0	3	3	3	20	20	60
6	Advanced Software Engineering Lab	CSP611-A	0	0	2	2	1	3	20	20	60
7	Advanced Data Warehousing and Data Mining Lab	CSL613-A	3	0	0	3	3	3	20	20	60
8	Advanced Data Warehousing and Data Mining Lab	CSP613-A	0	0	2	2	1	3	20	20	60
	Total		3	0	2	5	4				

M.Tech. Computer Science and Engineering Second Year**IVSemester**

S. No	Name of subject	Sub code	Teaching Schedule			Total	Credit	ETE duration	Weightage %		
			L	T	P			Hours	CW	MTE	ETE
1	Dissertation-II	CSP602-A	0	0	22	22	11	3	20	20	60