Course/Credits Distribution of ME CSE

Sr. No.	Courses	Credit Structure	
		No. of Courses	Credits
1	Program Core	04	12(3 each)
2	Open core	02	06(3 each)
3	Program Elective	03	09(3 each)
4	Open Elective	01	03
5	Program Lab	02	04(2 each)
6	Case Histories and industry Experiences	01	01
7	Seminar and Technical Writing	01	01
8	Project/ Industry based Project	02	12+18=30
	Total Credits		66

Program Core

Course Code	Course Name	L T P	Credits
CSN501	Program Core-I **Advanced Algorithm Design and Analysis**	3-0-0	3
CSN502	Program Core-II **Advanced Computer Networks**	3-0-0	3
CSN521	Program Core-III **Software Testing Techniques**	3-0-0	3
CSN522	Program Core IV **Special Topics in Soft Computing**	3-0-0	3
Total			**12**

Open core

Course Code	Course Name	L T P	Credits
CSN503	Open Core I **Mathematical Concepts for Computer Science**	3-0-0	3
CSN520	Open core-II **Design of Experiments and Research Methodology**	3-0-0	3
Total			**06**

Program Elective-I (Any One)

Course Code	Course Name	L T P	Credits
CSN505	Special Topics in Wireless and Mobile Networks	3-0-0	3
CSN506	Advanced topics in Database Systems	3-0-0	3
CSN507	Software Quality Management	3-0-0	3

CSN508	Logic and Functional Programming	3-0-0	3
CSN509	Advanced Computer Architecture	3-0-0	3
CSN510	Mobile Computing	3-0-0	3
CSN550	Foundation of Information Security	3-0-0	3
CSN551	Computational Theory and Cryptography	3-0-0	3
Total			**03**

Program Elective-II (Any One)

Course Code	Course Name	L T P	Credits
CSN511	Distributed Computing Systems	3-0-0	3
CSN512	Special Topics in Operating Systems	3-0-0	3
CSN513	Business Intelligence	3-0-0	3
CSN514	Software Project Management	3-0-0	3
CSN556	Cyber Crime and IT Laws	3-0-0	3
CSN571	Network Security	3-0-0	3
CSN583	Mobile and Wireless Network Security	3-0-0	3
Total			**03**

Program Elective-III (Any One)

Course Code	Course Name	L T P	Credits
CSN524	Data Warehousing and Mining	3-0-0	3
CSN525	Computer Vision	3-0-0	3
CSN526	Advance Topics in Software Engineering	3-0-0	3
CSN527	Advanced Multimedia Communication Systems	3-0-0	3
CSN528	High Performance Computer Architecture	3-0-0	3
CSN580	Biometric Security	3-0-0	3
CSN581	Cloud Computing and Security	3-0-0	3
Total			**03**
Program Elective Total		**9-0-0**	**09**

Open Elective

Course Code	Course Name	L T P	Credits
To be decided by other Department		3-0-0	3
Total		**03**	

Program Lab

Course Code	Course Name	L T P	Credits
CSN552	Program Lab-I **Computing Lab-I**	0-0-3	2
CSN573	Program Lab-II **Computing Lab-II**	0-0-3	2

	Total		04

Case Histories and industry Experiences

Course Code	Course Name	L T P	Credits
CSN590	Case Histories and industry Experiences	0-0-2	1
	Total		**01**

Seminar and Technical Writing

Course Code	Course Name	L T P	Credits
CSN591	Seminar and Technical Writing	0-0-2	1
	Total		**01**

Project/ Industry based Project

Course Code	Course Name	L T P	Credits
CSN598	Project/ Industry based Project -I	0-0-24	12
CSN599	Project/ Industry-based Project -II	0-0-36	18
	Total		**30**

CONSOLIDATED SCHEME-ME CSE

Sem							Lecture Course	L	T	P	Weekly Contact	Credits
I	Program Core -I **(Advanced Algorithm Design and Analysis) CSN 501 (LTP: 3 0 0)**	Program Core-II **(Advanced Computer Networks) CSN502 (LTP: 3 0 0)**	Program Mathematics/Mathematics (Open core I) **(Mathematical Concepts for Computer Science) CSN503 (LTP: 3 0 0)**	Program Elective I **(LTP: 3 0 0)**	Program Elective II **(LTP: 3 0 0)**	Program Lab I **Computing Lab-I CSN504 (LTP: 0 0 3)**	5	15	0	3	18	17
II	(Open Core II) **(Design of Experiments & Research Methodology) CSN520 (LTP: 3 0 0)**	Program Core-III **(Software Testing Techniques) CSN521 (LTP: 3 0 0)**	Program Core-IV **(Special Topics in Soft Computing) CSN522 (LTP: 3 0 0)**	Program Elective III **(LTP: 3 0 0)**	Open Elective **(LTP: 3 0 0)**	Program Lab II **Computing Lab-II CSN523 (LTP: 0 0 3)**	5	15	0	3	18	17
III	**Case History and Industry Experiences CSN530 (LTP: 0 0 2)**	**Seminar & Technical Writing CSN531 (LTP: 0 0 2)**	**Project/ Industry Based Project -I CSN598 (LTP: 0 0 24)**	-	-	-		0	0	28	28	14
IV	**Project/ Industry Based Project-II CSN599 (LTP: 0 0 36)**	-	-	-	-	-		0	0	0	36	18

ME CSE: Curriculum Structure

1st Semester

S.No.	Course Code	Course Name	L	T	P	Credits
1.	CSN501	Program Core-I (**Advanced Algorithm Design and Analysis**)	3	0	0	3
2.	CSN502	Program Core-II (**Advanced Computer Networks**)	3	0	0	3
3.	CSN503	Open Core I (**Mathematical Concepts for Computer Science**)	3	0	0	3
4.		Program Elective-I (**see List of Electives***)	3	0	0	3
5.		Program Elective-II (**see List of Electives***)	3	0	0	3
6.	CSN504	**Computing Lab-I**	0	0	3	2
						17

2nd Semester

S.No.	Course Code	Course Name	L	T	P	Credits
1.	CSN520	Open Core II (**Design of Experiments & Research Methodology**)	3	0	0	3
2.	CSN521	Program Core-III (**Software Testing Techniques**)	3	0	0	3
3.	CSN522	Program Core-IV (**Special Topics in Soft Computing**)	3	0	0	3
4.		Program Elective-III (**see List of Electives***)	3	0	0	3
5.		Open Elective (**see List of Electives***)	3	0	0	3
6.	CSN523	**Computing Lab-II**	0	0	3	2
						17

3rd Semester

S.No.	Course Code	Course Name	L	T	P	Credits
1.	CSN530	**Case Histories and Industry Experience[#]**	0	0	2	1
2.	CSN531	**Seminar and Technical Writing**	0	0	2	1
3.	CSN598	**Project/Industry based Project-I**	0	0	24	12
						14

 # To include 4-5 invited lectures from industrial experts
4th Semester

Sr. No.	Course Code	Course Name	L	T	P	Credits
1	CSN599	**Project/ Industry-based Project-II**	0	0	36	18
					Total	18

*List of Electives
Program Elective- I

Course Code	Course Name	L T P	Credits
CSN505	Special Topics in Wireless and Mobile Networks	3-0-0	3
CSN506	Advanced topics in Database Systems	3-0-0	3
CSN507	Software Quality Management	3-0-0	3
CSN508	Logic and Functional Programming	3-0-0	3
CSN509	Advanced Computer Architecture	3-0-0	3
CSN510	Mobile Computing	3-0-0	3
CSN550	Foundation of Information Security	3-0-0	3
CSN551	Computational Theory and Cryptography	3-0-0	3

Program Elective- II

Course Code	Course Name	L T P	Credits
CSN511	Distributed Computing Systems	3-0-0	3
CSN512	Special Topics in Operating Systems	3-0-0	3
CSN513	Business Intelligence	3-0-0	3
CSN514	Software Project Management	3-0-0	3
CSN556	Cyber Crime and IT Laws	3-0-0	3
CSN571	Network Security	3-0-0	3
CSN583	Mobile and Wireless Network Security	3-0-0	3

Program Elective- III

Course Code	Course Name	L T P	Credits
CSN524	Data Warehousing and Mining	3-0-0	3
CSN525	Computer Vision	3-0-0	3
CSN526	Advance Topics in Software Engineering	3-0-0	3
CSN527	Advanced Multimedia Communication Systems	3-0-0	3
CSN528	High Performance Computer Architecture	3-0-0	3
CSN580	Biometric Security	3-0-0	3
CSN581	Cloud Computing and Security	3-0-0	3