

Department of Master in Computer Science

CURRICULUM & CREDIT FRAMEWORK AND FORMATIVE ASSESSMENT FOR
MASTER IN COMPUTER SCIENCE 2 YEAR PROGRAM
Scheme of Examinations under National Education Policy 2020

M.Sc. (Computer Science):

First Year Semester I					
Sr.No	Courses	Course Title	Course Code	Remarks	Credits
1	Major 1	Discrete Mathematical Structures	24CSC201DS01	Compulsory	4
2	Major 2	Computer Networks	24CSC201DS02	Compulsory	4
3	Major 3	Computer Fundamentals and Programming in C	24CSC201DS03	Compulsory	4
4	Major 4	Computer Organization and Architecture	24CSC201DS04	Compulsory	4
5	Major 5	Database Management Systems	24CSC201DS05	Compulsory	4
6	Skill Enhancement Course(SEC)	Web Development-I	24CSC201MV01	Compulsory	4

Scheme for Distribution of Marks:

Sr. No	Course Title	Course Code	Theory Marks		Practical Marks		Total Marks	Exam Time	Credit Distribution		
			Int.	Ext.	Int.	Ext.			L	T	P
1	Discrete Mathematical Structures	24CSC201DS01	30	70	0	0	100	3 hrs	4	0	0
2	Computer Networks	24CSC201DS02	25	50	5	20	100	3 hrs	3	0	1
3	Computer Fundamentals and Programming in C	24CSC201DS03	25	50	5	20	100	3 hrs	3	0	1
4	Computer Organization and Architecture	24CSC201DS04	25	50	5	20	100	3 hrs	3	0	1
5	Database Management Systems	24CSC201DS05	25	50	5	20	100	3 hrs	3	0	1
6	Web Development-I	24CSC201MV01	15	35	---	50	100	3 hrs	2	0	2

First Year Semester II					
Sr.No	Courses	Course Title	Course Code	Remarks	Credits
1	Major 1	Data Structures Using C	24CSC202DS01	Compulsory	4
2	Major 2	Operating Systems	24CSC202DS02	Compulsory	4
3	Major 3	Object Oriented Programming using C++,	24CSC202DS03	Compulsory	4
4	Major 4	Artificial Intelligence	24CSC202DS04	Compulsory	4
5	Major 5	Software Engineering	24CSC202DS05	Compulsory	4
6	Skill Enhancement Course(SEC)	Multimedia and Animation	24CSC202SE01	Compulsory	4

Scheme for Distribution of Marks:

Sr. No	Course Title	Course Code	Theory Marks		Practical Marks		Total Marks	Exam Time	Credit Distribution		
			Int.	Ext.	Int.	Ext.			L	T	P
1	Data Structures Using C	24CSC202DS01	25	50	5	20	100	3 hrs	3	0	1
2	Operating Systems	24CSC202DS02	25	50	5	20	100	3 hrs	3	0	1
3	Object Oriented Programming using C++,	24CSC202DS03	25	50	5	20	100	3 hrs	3	0	1
4	Artificial Intelligence	24CSC202DS04	25	50	5	20	100	3 hrs	3	0	1
5	Software Engineering	24CSC202DS05	25	50	5	20	100	3 hrs	3	0	1
6	Multimedia and Animation	24CSC202SE01	---	---	---	---	100	3 hrs	2	0	2

Second Year Semester III					
Sr.No	Courses	Course Title	Course Code	Remarks	Credits
1	Major 1	Design and Analysis of Algorithms	25CSC203DS01	Compulsory	4
2	Major 2	Java Programming	25CSC203DS02	Compulsory	4
3	Major 3	Computer Security	25CSC203DS03	Compulsory	4
4	Major 4	Data Warehousing & Mining	25CSC203DS04	Compulsory	4
5	Major 5	Computer Graphics	25CSC203DS05	Compulsory	4
6	Skill Enhancement Course(SEC)	Full Stack Development-I	25CSC203SE01	Compulsory	4

Scheme for Distribution of Marks:

Sr. No	Course Title	Course Code	Theory Marks		Practical Marks		Total Marks	Exam Time	Credit Distribution		
			Int.	Ext.	Int.	Ext.			L	T	P
1	Design and Analysis of Algorithms	25CSC203DS01	30	70	0	0	100	3 hrs	4	0	0
2	Java Programming	25CSC203DS02	25	50	5	20	100	3 hrs	3	0	1
3	Computer Security	25CSC203DS03	25	50	5	20	100	3 hrs	3	0	1
4	Data Warehousing & Mining	25CSC203DS04	25	50	5	20	100	3 hrs	3	0	1
5	Computer Graphics	25CSC203DS05	25	50	5	20	100	3 hrs	3	0	1
6	Full Stack Development-I	25CSC203SE01	---	---	---	---	100	3 hrs	2	0	2

Second Year Semester IV					
Sr.No	Courses	Course Title	Course Code	Remarks	Credits
1	Major 1	Cloud Computing	25CSC204DS01	Compulsory	4
2	Major 2	Mobile Application Development using Android	25CSC204DS02	Compulsory	4
3	Major 3	Internet of Things	25CSC204DS03	Compulsory	4
4	Major 4	Data Visualization & Interpretation	25CSC204DS04	Compulsory	4
5	Major 5	Compiler Design	25CSC204DS05	Compulsory	4
6	Skill Enhancement Course(SEC)	Full Stack Development-II	25CSC204SE01	Compulsory	4

Scheme for Distribution of Marks:

Sr. No	Course Title	Course Code	Theory Marks		Practical Marks		Total Marks	Exam Time	Credit Distribution		
			Int.	Ext.	Int.	Ext.			L	T	P
1	Cloud Computing	25CSC204DS01	30	70	0	0	100	3 hrs	4	0	0
2	Mobile Application Development using Android	25CSC204DS02	25	50	5	20	100	3 hrs	3	0	1
3	Internet of Things	25CSC204DS03	25	50	5	20	100	3 hrs	3	0	1
4	Data Visualization & Interpretation	25CSC204DS04	25	50	5	20	100	3 hrs	3	0	1
5	Compiler Design	25CSC204DS05	25	50	5	20	100	3 hrs	3	0	1
6	Full Stack Development-II	25CSC204SE01	---	---	---	---	100	3 hrs	2	0	2

Link: [Syllabi of UG and PG Programs revised in July 2025 - Google Drive](#)