

**Computer Science Honours Course Structure and Syllabus  
Distribution for  
Academic Session 2023 - 2024 ( SEM I,SEM III & SEM V )**

<b>UNDER CCF</b>				
<b>Semester - I</b>				
<b>Paper</b>	<b>Paper type</b>	<b>Paper name</b>	<b>Credit</b>	<b>Taken By</b>
DSC/CC-1	Theory	Computer fundamentals and Digital Logic	3	GD RS
	Practical	Computer fundamentals and Digital Logic lab	1	SKP
SEC – 1	Theory	Data visualization using spreadsheet	3	UM AJR RS
	Practical	Data visualization using spreadsheet Lab	1	UM AJR RS

<b>UNDER CBCS</b>					
<b>SEMESTER – III</b>					
<b>Course</b>	<b>Type</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>Taken by</b>
Core Course -5	Theory	CMS-A-CC-3-5-TH	Computer Organization & Architecture	4	UM
	Practical	CMS-A-CC-3-5-P	Computer Organization Lab	2	UM
Core Course -6	Theory	CMS-A-CC-3-6-TH	Computational Mathematics	4	GD
	Practical	CMS-A-CC-3-6-P	Computational Mathematics Lab	2	GD
Core Course -7	Theory	CMS-A-CC-3-7-TH	Operating Systems	4	AJR
	Practical	CMS-A-CC-3-7-P	Operating Systems Lab	2	GD
SEC-A-1	Theory	CMS-A-SEC-A-3-1-TH	Computer Graphics	2	GD

<b>SEMESTER – V</b>					
<b>Course</b>	<b>Type</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>Taken by</b>
Core Course -11	Theory	CMS-A-CC-5-11-TH	Database Management system (DBMS)	4	AJR
	Practical	CMS-A-CC-5-11-P	RDBMS lab using My SQL & PHP	2	GD
Core Course -12	Theory	CMS-A-CC-5-12-TH	Object Oriented Programming (OOPs)	4	UM
	Practical	CMS-A-CC-5-12-P	OOPs Lab using JAVA	2	UM
DSE-A-1	Theory	CMS-A-DSE-A-1-TH	Digital Image Processing	4	GD
	Practical	CMS-A-DSE-A-1-P	Image processing Lab	2	GD
DSE-B-1	Theory	CMS-A-DSE-B-2-TH	Programming using Python	4	UM
	Practical	CMS-A-DSE-B-2-P	Programming in Python Lab	2	UM

**Computer Science General Course Structure and Syllabus  
Distribution for  
Academic Session 2023 - 2024(( SEM I,SEM III & SEM V )**

<b>UNDER CCF</b>				
<b>Semester - I</b>				
<b>Paper</b>	<b>Paper type</b>	<b>Paper name</b>	<b>Credit</b>	<b>Taken By</b>
DSC/CC-1	Theory	Computer fundamentals and Digital Logic	3	GD RS
	Practical	Computer fundamentals and Digital Logic lab	1	SKP

<b>UNDER CBCS</b>					
<b>Semester- III</b>					
<b>Course</b>	<b>Type</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>Taken by</b>
	Theory- 50	CMS-G-CC-3-3-TH	Computer Organization	04	AJR
	Practical- 30	CMS-G-CC-3-3-P		02	RS

<b>Semester- V</b>					
<b>Course</b>	<b>Type</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>Taken by</b>
	Theoretica 1 50	CMS-G-DSE-A-5-1-TH	Data base Management System (DBMS)	04	AJR
	Practical 30	CMS-G-DSE-A-5-1-P	DBMS Lab using SQL	02	RS
	Theoretica 1 80	CMS-G-SEC-A-X-2-TH	Software Engineering	02	AJR

**Computer Science Honours Course Structure and Syllabus  
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Academic Session 2023 - 2024( SEM II,SEM IV& SEM V )**

UNDER CCF				
SEMESTER – II				
Course	Type	Course Name	Credit	Taken by
DSC/CC-2	Theory	Problem Solving using C	3	UM
	Practical	Problem Solving using C Lab	1	UM + AJR
SEC – 2	Theory	Web Development	3	GD + RS
	Practical	Web Development Lab	1	GD + RS

UNDER CBCS					
SEMESTER – IV					
Course	Type	Course Code	Course Name	Credit	Taken by
Core Course -8	Theory	CMS-A-CC-4-8-TH	Data communication, Networking and Internet technology.	4	UM
	Practical	CMS-A-CC-4-8-P	Computer Networking and Web Design Lab.	2	GD + RS
Core Course -9	Theory	CMS-A-CC-4-9-TH	Introduction to Algorithms & its Application.	4	GD
	Practical	CMS-A-CC-4-9-P	Algorithms Lab.	2	GD
Core Course -10	Theory	CMS-A-CC-4-10-P	Microprocessor and its Applications.	4	SKP
	Practical	CMS-A-CC-4-10-P	Programming with Microprocessor 8085.	2	SKP
SEC-B-2	Theory	CMS-A-SEC-B-4-2-TH	E-Commerce	2	RS

SEMESTER – VI					
Core Course -13	Theory	CMS-A-CC-6-13-TH	Software Engineering	4	AJR
Core Course -14	Theory	CMS-A-CC-6-14-TH	Theory of Computation	4	GD
	Practical	CMS-A-CC-6-14-P	Project	4	ALL TEACHERS
DSE-A-4	Theory	CMS-A-DSE-A-4-TH	Multimedia and its Application	4	RS
	Practical	CMS-A-DSE-A-4-P	Multimedia and its Application Lab	2	UM
DSE-B-4	Theory	CMS-A-DSE-B-4-TH	Advance Java	4	UM
	Practical	CMS-A-DSE-B-4-P	Advance Java Lab	2	UM

**Computer Science General Course Structure and Syllabus  
Distribution for  
Academic Session 2023 - 2024 ( SEM II,SEM IV& SEM V )**

UNDER CCF				
SEMESTER – II				
Course	Type	Course Name	Credit	Taken by
DSC/CC-2	Theory	Problem Solving using C	3	UM
	Practical	Problem Solving using C Lab	1	UM + AJR
SEC – 2	Theory	Web Development	3	GD + RS
	Practical	Web Development Lab	1	GD + RS

UNDER CBCS					
SEMESTER– IV					
	Type	Course Code	Course Name	Credit	Taken by
	Theoretical 50	CMS-G-CC-4-4-TH	Operating Systems	04	AJR
	Practical 30	CMS-G-CC-4-4-P	Shell Programming (Linux)	02	RS

SEMESTER– VI					
	Type	Course Code	Course Name	Credit	Taken by
	Theoretical 50	CMS-G-DSE-A-6-3-TH	Computational Mathematics	04	GD
	Practical 30	CMS-G-DSE-A-6-3-P	Computational Mathematics Lab using C	02	GD
	Theoretical 80	CMS-G-SEC-B-X-1-TH	Multimedia and its Applications	02	RS