

FROM ACADEMIC SESSION 2022-2023
 Learning Center of Excellence with Google
 DEPARTMENT OF COMPUTER APPLICATION
 Teaching and Examination Scheme for Bachelor of Computer Application 3 Year Program

2022-23 Year – I | Semester - I

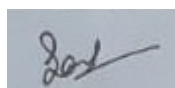
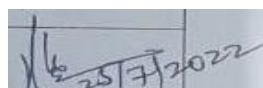
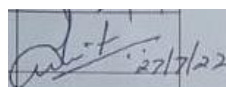
S.No.	Course Code	Course Name	Credits	Contact Hrs /Week			Exam Hrs.	Weightage (in %)	
				L	T/S	P		CE	ESE
Program Core									
1.	CA 121	Principles of Programming using 'C' and 'C++'	3	3	0	0	3	40	60
2.	CA 107	Introduction to IoT	3	3	0	0	3	40	60
3.	CA 122	'C' & 'C++' Programming Lab	2	0	0	3	2	60	40
4.	CA 103	Ecommerce and Digital Marketing	3	3	0	0	3	40	60
5.	CA 108	Ecommerce and Digital Marketing Lab	2	0	0	3	2	60	40
University Core									
6.	ES 101	Digital system and computing fundamentals	3	3	0	0	3	40	60
7.	MA 103	Elementary Mathematics	3	3	0	0	3	40	60
8.	CA101	Web Development	2	0	0	2	-	100	-
9.	HS 101	Human Value & Ethics	1	1	0	0	-	-	-
10.	FD-101	Foundation Course-I	1	1	0	0	2	25	75
Total			23	17	0	8			

Theory (15 Credits) + Labs (4 Credits) + Foundation Course- I (1 Credit) + Human Value & Ethics (1 Credit) Proficiency in Co-Curricular Activities (2 Credit) = 23 Credits

L – Lecture
S – Seminar

T – Tutorial
P – Practical

CE – Continuous Evaluation
ESE – End Semester Evaluation



Learning Centre of Excellence with Google
 DEPARTMENT OF COMPUTER APPLICATION
 Teaching and Examination Scheme for Bachelor of Computer Application 3 Year Program
 2022-23 Year – I | Semester - II

S. No.	Course Code	Course Name	Credits	Contact Hrs/Week			Exam Hrs.	Weightage (in %)	
				L	T/S	P		CE	ESE
Program Core									
1.	CA 178	Programming in Java	3	3	0	0	3	40	60
2.	CA 110	Data Structures and Algorithms	3	3	0	0	3	40	60
3.	CA 180	JavaLab	2	0	0	3	2	60	40
4.	CA 157	AWD Lab	2	0	0	3	2	60	40
5.	CA 261	Operating System with Linux	1	0	0	3	2	60	40
6.	CA 111	Advance Web Development	3	3	0	0	3	40	60
University Core									
7.	EM 112	Employability Skills – I	1	0	2	0	3	60	40
8.	CA 205	System Analysis and Design	2	0	0	3	2	60	40
9.	DE 102	Proficiency in Co-curricular Activities- II	2	0	0	2	-	100	-
10.	FD104	Foundation Course – II	1	1	0	0	25		75
11.	BM 517	Advance Digital Marketing	3	3	0	0	3	40	60
Program Elective									
12.	CA 505	Internet & Graphics Designing Tools	3	3	0	0	3	40	60
	CA 116	Introduction to Cybersecurity							
Total			2	16	2	12			

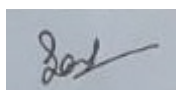
Theory (15 Credits) + Labs (7 Credits) + Employability Skills (1 Credits) + Proficiency in Co-curricular Activities (2 Credit) + Foundation Course – II (1 Credit) = 25 Credits

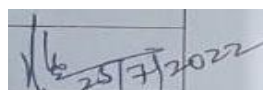
L – Lecture
S – Seminar

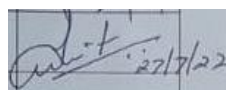
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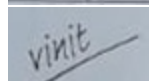




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DEPARTMENT OF COMPUTER APPLICATION
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2023-24 Year – II | Semester - III

S.No.	Course Code	Course Name	Credits	Contact Hrs/Week			Exam Hrs.	Weightage (in %)	
				L	T/S	P		CE	ESE
Program Core									
1.	CA 271	Introduction to Android	3	3	0	0	3	40	60
2.	CA 213	Database Management System	3	3	0	0	3	40	60
3.	CA 281	Android Lab	2	0	0	3	2	60	40
4.	CA 257	Industrial Project Oriented DBMS Lab	2	0	0	3	2	60	40
5.	CA 273	Angular JS	3	3	0	0	3	40	60
6.	CA 283	Angular JS Lab	2	0	0	2	2	60	40
7.	PE 305	Industrial Project II	2	0	0	3	2	60	40
University Core									
8.	EM 201	Employability Skills – II	1	0	2	0	3	60	40
9.	SM 302	Web Technologies (MERN)	2	0	0	3	3	60	40
10.	DE 201	Proficiency in Co-Curricular Activities – III	2	0	0	2	2	100	-
Program Elective									
11.	CA 222	Introduction to Embedded System	3	3	0	0	3	40	60
	CA 217	Game Development with unity							
	CA 275	Advance Web Development							
Total			25	12	2	16			

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 DEPARTMENT OF COMPUTER APPLICATION

Teaching and Examination Scheme for Bachelor of Computer Application 3 Year Program
 2023-24 Year – II | Semester – IV

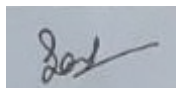
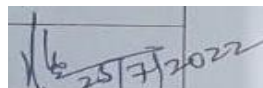
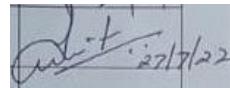
S.No.	Course Code	Course Name	Credits	Contact Hrs/Week			Exam Hrs.	Weightage (in %)	
				L	T/S	P		CE	ESE
Program Core									
1.	CA 208	Data Structure & Algorithm	3	3	0	0	3	40	60
2.	CA 216	Android Development (Java/Kotlin)	3	3	0	0	3	40	60
3.	CA 269	Cloud Computing with GCCF	3	3	1	0	2	40	60
4.	CA 256	Data Structure Algorithm	2	0	0	3	2	60	40
5.	PE 204	Project Stage-I	2	0	0	3	2	60	40
6.	CA 264	Advance Android Development Lab	2	0	0	3	2	60	40
Program Elective									
7.	CA 113 / CA 115/CA 211	Artificial Intelligence/ Computer Graphics/ Machine Learning	3	3	0	0	3	40	60
University Core									
8.	EM 202	Employability Skills –III	1	0	2	0	3	60	40
9.	BM 302	Entrepreneurship & Small Scale Business Management	3	3	0	0	3	40	60
10.	DE 202	Proficiency in Co-curricular Activities –IV	2	0	0	2	-	100	-
Total			24	15	3	11			

Theory (15) + Labs (6) + Employability Skills (1 Credits) + Proficiency in Co - Curricular Activities (2 Credit) = 24 Credits.

L – Lecture
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 Teaching and Examination Scheme for Bachelor of Computer Application 3 Year Program
 2024-25 Year – II | Semester – VI

S. No.	Course Code	Course Name	Credits	Content Hrs./Weeks			Exam Hrs.	Weightage (in%)	
				L	T/S	P		CE	ESE
Program Core									
1	CA 307	Advance Android Development II	3	3	0	0	3	40	60
2	CA 316	Programming in PYTHON	3	3	0	0	3	40	60
3	CA 306	Advance Android Development Lab II	2	0	0	3	3	60	40
4	PE 307	Project Stage-II	2	0	0	3	3	60	40
5	CA 354	PYTHON Lab	2	0	0	3	3	60	40
6	CA 311	Computer Networks with AWS	3	3	0	0	3	40	60
7	CA 305	Networking AWS lab	2	0	0	3	3	60	40
8	EM 301	Employability Skills – IV	1	0	2	0	3	60	40
9	SM 304	Project Training Seminar-II	2	0	0	3	3	60	40
10	CA 313	Application Development (React-	3	3	0	0	3	40	60
		Total	23	12	2	15			

Theory (12) + Labs (10) + Employability Skills (1 Credits) = 23 Credits

L – Lecture
S – Seminar

T – Tutorial
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ESE – End Semester Evaluation