

**B Sc C. S (Batch 2021-2024)**

**Program Outcomes (PO) and Program Specific Outcomes (PSO) Mapping Based on CO Attainment for each Subject**

Sr No	Course Code	Subject	PO Attainment Level										PSO Attainment Level			
			PO0 1	PO0 2	PO0 3	PO0 4	PO0 5	PO0 6	PO0 7	PO0 8	PO0 9	PO1 0	PSO 1	PSO 2	PSO 3	PSO 4
Sem-I																
1	USCS101	DIGITAL SYSTEM AND ARCHITECTURE				2.467							2.467			
2	USCS102	INTRODUCTION TO PROGRAMMING WITH PYTHON		2.72222										2.72222		
3	USCS103	LINUX OPERATING SYSTEM						2.8								2.8
4	USCS104	OPEN SOURCE TECHNOLOGIES										2.66667			2.6667	
5	USCS105	DISCRETE MATHEMATICS							2.7333333				2.7333			
6	USCS106	DESCRIPTIVE STATISTICS					2.66667						2.6667			
7	USCS107	SOFT SKILL									2.3333					2.33333
Sem-II																
1	USCS201	DESIGN AND ANALYSIS OF ALGORITHMS				2.77778							2.7778			
2	USCS202	ADVANCED PYTHON PROGRAMMING		2.53333										2.53333		
3	USCS203	INTRODUCTION TO OOPs USING C++					2.333333							2.33333		
4	USCS204	DATABASE SYSTEM				2.55556								2.55556		
5	USCS205	CALCULUS						2.416667					2.4167			
6	USCS206	STATISTICAL METHGODS							2.555556						2.5556	
7	USCS207	E-COMMERCE AND DIGITAL MARKETING										2.16667				2.16667
Sem-III																
1	USCS301	PRINCIPLES OF OPERATING SYSYEM	2.133333333											2.13333		
2	USCS302	LINEAR ALGEBRA							2.1333333				2.1333			
3	USCS303	DATA STURCTURES				2.55556										2.55556
4	USCS304	ADVANCED DATABASE CONCEPTS						2.41667							2.417	



**FY BSC CS: Semester-I (AY-2021-22) (Batch 2021-2024)**

**Course Outcomes (CO)**

Sr No	Course Code	Subject	CO Attainment Level						Average CO Attainment	Attained YES/NO Target Level: 2.0
			CO01	CO02	CO03	CO04	CO05	CO06		
1	USCS101	DIGITAL SYSTEM AND ARCHITECTURE	2.66666667	2.6667	2.3333	2.3333	2.33333		2.4666667	Yes
2	USCS102	INTRODUCTION TO PROGRAMMING WITH PYTHON	3	2.3333	3	3	3	2	2.7222222	Yes
3	USCS103	LINUX OPERATING SYSTEM	3	3	2.6667	2.6667	2.66667		2.8	Yes
4	USCS104	OPEN SOURCE TECHNOLOGIES	3	2.6667	2.3333				2.6666667	Yes
5	USCS105	DISCRETE MATHEMATICS	3	3	2.6667	2.3333	2.66667		2.7333333	Yes
6	USCS106	DESCRIPTIVE STATISTICS	2.33333333	3	2.6667	2.6667			2.6666667	Yes
7	USCS107	SOFT SKILL	2.33333333	3	2	2			2.3333333	Yes

**Sem I: Average CO Attainment**

**2.626984127**

**FY BSC CS: Semester-II (AY-2021-22) (Batch 2021-2024)**

**Course Outcomes (CO)**

Sr No	Course Code	Subject	CO Attainment Level						Average CO Attainment	Attained YES/NO Target Level: 2.0
			CO01	CO02	CO03	CO04	CO05	CO06		
1	USCS201	DESIGN AND ANALYSIS OF ALGORITHMS	2.66666667	2.6667	3				2.7777778	Yes
2	USCS202	ADVANCED PYTHON PROGRAMMING	2.33333333	2.6667	2.6667	2.3333	2.66667		2.5333333	Yes
3	USCS203	INTRODUCTION TO OOPs USING C++	2.33333333	2.3333	2	3	2		2.3333333	Yes
4	USCS204	DATABASE SYSTEM	2.66666667	2.3333	2.6667	2.6667	3	2	2.5555556	Yes
5	USCS205	CALCULUS	2.66666667	2.6667	2.3333	2			2.4166667	Yes
6	USCS206	STATISTICAL METHGODS	2.66666667	2.3333	2.6667	2.6667	3	2	2.5555556	Yes
7	USCS207	E-COMMERCE AND DIGITAL MARKETING	2.33333333	2	2.6667	2	2	2	2.1666667	Yes

**Sem I: Average CO Attainment**

**2.476984127**

**SY BSC CS: Semester-III (AY-2022-23) (Batch 2021-2024)**

**Course Outcomes (CO)**

Sr No	Course Code	Subject	CO Attainment Level						Average CO Attainment	Attained YES/NO Target Level: 2.0
			CO01	CO02	CO03	CO04	CO05	CO06		
1	USCS301	PRINCIPLES OF OPERATING SYSTEM	2	2.3333	2	2.3333	2		2.1333333	Yes
2	USCS302	LINEAR ALGEBRA	1.6666667	2	2.3333	2	2.6667		2.1333333	Yes
3	USCS303	DATA STRUCTURES	2.3333333	2.6667	2.6667				2.5555556	Yes
4	USCS304	ADVANCED DATABASE CONCEPTS	2.6666667	2	2.3333	2.6667			2.4166667	Yes
5	USCS305	JAVA BASED APPLICATION DEVELOPMENT	2	2	2	2	2.33333		2.0666667	Yes
6	USCS306	WEB TECHNOLOGIES	2.6666667	2.3333	3	2	2		2.4	Yes
7	USCS307	GREEN TECHNOLOGIES	2.3333333	2.3333	2	2			2.1666667	Yes

**Sem I: Average CO Attainment**

**2.267460317**

**SY BSC CS: Semester-IV (AY-2022-23) (Batch 2021-2024)**

**Course Outcomes (CO)**

Sr No	Course Code	Subject	CO Attainment Level						Average CO Attainment	Attained YES/NO Target Level: 2.0
			CO01	CO02	CO03	CO04	CO05	CO06		
1	USCS401	THEORY OF COMPUTATION	2	2	3	2			2.25	Yes
2	USCS402	COMPUTER NETWORKS	2.3333333	2					2.1666667	Yes
3	USCS403	SOFTWARE ENGINEERING	2.6666667	2	2.3333	2.3333			2.3333333	Yes
4	USCS404	IOT TECHNOLOGIES	2	2.3333	2.3333				2.2222222	Yes
5	USCS405	ANDROID APPLICATION DEVELOPMENT	2	2	2.333	2.667	2		2.2	Yes
6	USCS406	ADVANCED APPLICATION DEVELOPMENT	2.3333333	2.3333	2	2	2		2.1333333	Yes
7	USCS407	RESEARCH METHODOLOGY	2.3333333	2					2.1666667	Yes

Sem I: Average CO Attainment

2.21031746

**SY BSC CS: Semester-V (AY-2023-24) (Batch 2021-2024)****Course Outcomes (CO)**

Sr No	Course Code	Subject	CO Attainment Level						Average CO Attainment	Attained YES/NO Target Level: 2.0
			CO01	CO02	CO03	CO04	CO05	CO06		
1	USCS501	ARTIFICIAL INTELLIGENCE	2.333333333	1.33333	3	2.33333	3		2.40	Yes
2	USCS502	INFORMATION AND NETWORK SECURITY	2	2	3	2.677	2		2.34	Yes
3	USCS5032	SOFTWARE TESTING AND QUALITY ASSURANCE	2	2	3	2.33	2.667		2.40	Yes
4	USCS5042	GAME PROGRAMMING	2	2	2.667	2.667	2		2.27	Yes
5	USCS5051	PROJECT MANAGEMENT	2	2	2	2	2		2.00	Yes

Sem I: Average CO Attainment

2.28

**SY BSC CS: Semester-VI (AY-2023-24) (Batch 2021-2024)****Course Outcomes (CO)**

Sr No	Course Code	Subject	CO Attainment Level						Average CO Attainment	Attained YES/NO Target Level: 2.0
			CO01	CO02	CO03	CO04	CO05	CO06		
1	USCS601	DATA SCIENCE	2.667	2.667	2.667	2.667	2.667		2.667	Yes
2	USCS602	CLOUD COMPUTING AND WEB SERVICES	2.667	2	2.667	2.667	2.667		2.5336	Yes
3	USCS6031	WIRELESS SENSOR NETWORK	2.33	2.33	2.667	3			2.58175	Yes
4	USCS60342	ETHICAL HACKING	2	2.667	2.33	2	2		2.1994	Yes
5	USCS6052	CYBERLAW AND IPR	2.667	3	2	2	2		2.3334	Yes

Sem I: Average CO Attainment

2.46303

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																			
FY BSC (CS)		Semester-I					Subject	Digital Systems & Architecture							Subject Code: USCS101				
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc							
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05			
1	21501	10	7	9	9	8	69			47			8	10	10	8	9		
2	21502	8	9	8	7	9		72			42		5	9	7	9	7		
3	21503	9	8	7	9	6			72	49			7		9	9	8		
4	21504	7	7	8	10	9		72			34		10	6	8	10	9		
5	21505	9	10	7	8	10		72			36		8	8	7	6	10		
6	21506							A			A								
7	21507	10	7	8	9	7			72		45		8	9	10		7		
8	21508	8	10	10		6		72		38			9	8	9		6		
9	21509	7	9	9		10		72			37		8	5	7	8	10		
10	21510		8	7	9	8			71		37		9	10		10	9		
11	21511	6	10	10	10	9				72		37		8	9	8	6		
<b>Total Marks</b>		74	85	83	71	82		213	287	216	207	195		80	74	75	66	75	
<b>Average Marks</b>		6.727272727	7.72727273	7.5455	6.455	7.455		53.25	71.75	72	41.4	32.5		7.273	6.727	6.8182	6	6.818	
<b>Average Attainment</b>		67.27272727	77.2727273	75.455	64.55	74.55		85.2	114.8	64.8	82.8	65		72.73	67.27	68.182	60	68.18	
<b>3 Point Scale Conversion</b>		2	3	3	2	3		3	3	2	3	2		3	2	2	2	2	

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	2	3	3	2	3
2	Theory / Practical Semesters Exams	3	3	2	3	2
3	Projects/Seminar/Tour/Field Visits etc	3	2	2	2	2
	Average CO attainment	2.666666667	2.666666667	2.3333	2.333	2.333
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																				
FY BSC (CS)		Semester-I					Subject	Introduction to Programming with Python							Subject Code: USCS102					
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc							
		CO01	CO02	CO03	CO04	CO05	CO06	CO01	CO02	CO03	CO04	CO05	CO06	CO01	CO02	CO03	CO04	CO05	CO06	
1	21501	8	9	7	9	9	10	74				47			8	10	8	6	10	8

2	21502	9	10	6	8	7	8		74				42	10	8	9	8	9	6
3	21503	7	8	10	9	9	6			72	48			8		8	6	7	8
4	21504	9	7	8	8	10	8		71			32		9	7	10	8	6	9
5	21505	10	9	9	10	8	9	75					38	8	10	7	10	10	10
6	21506							A					A						
7	21507	8	6	9		7	7		75			48		8	9	9	10	8	9
8	21508	9	7	10	8	8	6			71	35			9	10		8	9	8
9	21509	10	10	8	9	9			75			38		8	9	7	10		9
10	21510	6	8	9	7	10	10	74			36			10	8	9	8	8	8
11	21511	8		10	10		9			69			37	8	9	10	9	10	10
<b>Total Marks</b>		84	74	86	78	77	73	223	295	212	119	165	117	86	80	77	83	77	85
<b>Average Marks</b>		7.636363636	6.72727273	7.8182	7.091	7	6.6364	55.75	73.75	70.666667	39.67	41.25	29.25	7.818	7.273	7	7.545	7	7.72727273
<b>Average Attainment</b>		76.36363636	67.2727273	78.182	70.91	70	66.364	89.2	118	63.6	79.33	82.5	58.5	78.18	72.73	70	75.45	70	77.2727273
<b>3 Point Scale Conversion</b>		3	2	3	3	3	2	3	3	2	3	3	1	3	3	3	3	3	3

Scale	Parameter	CO01	CO02	CO03	CO04	CO05	CO06
1	Internal Test/Assessment	3	2	3	3	3	2
2	Theory / Practical Semesters Exams	3	2	3	3	3	1
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	3	3	3
	Average CO attainment	3	2.33333333	3	3	3	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes	Yes

<b>Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)</b>																				
FY BSC (CS)		Semester-I					Subject	LINUX Operating System										Subject Code: USCS103		
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc								
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05				
1	21501	10	9	9	8	7	75			44			9	7	10	8	6			
2	21502	7	6	8	10	9		75			45		10	8	8	6	9			
3	21503	9	10	8	8	8			75	44			8	8	9	7	10			
4	21504	5	8	9	6	10		74			40		7	6	8	8	7			
5	21505	8	6	10	7	9	75			41			9	7	8	10	8			
6	21506						A				A									
7	21507	8	10	9	9	9		74			40		10	7	9	8	10			
8	21508	10	9	6	8	7			72	40			8	10	10	7	9			
9	21509	7	6	10	10	9		72			41		10	8	7		6			
10	21510	9	7	8	9	10	72			45			7	9	8	10	9			
11	21511	10	9	9	7	8			69		42		9		9	8	10			
<b>Total Marks</b>		83	80	86	82	86		222	295	216	214	208		87	70	86	72	84		
<b>Average Marks</b>		7.545454545	7.27272727	7.8182	7.455	7.818		55.5	73.75	72	42.8	34.67		7.909	6.364	7.8182	6.545	7.636		
<b>Average Attainment</b>		75.45454545	72.7272727	78.182	74.55	78.18		88.8	118	64.8	85.6	69.33		79.09	63.64	78.182	65.45	76.36		

3 Point Scale Conversion	3	3	3	3	3	3	3	3	2	3	2	3	3	3	2	3
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Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	3	3	3	3
2	Theory / Practical Semesters Exams	3	3	2	3	2
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	2	3
	Average CO attainment	3	3	2.6667	2.667	2.667
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
FY BSC (CS)		Semester-I					Subject	Open Source Technologies							Subject Code: USCS104			
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams							Projects/Seminar/Tour/Field Visits etc				
		CO01	CO02	CO03			CO01	CO02	CO03				CO01	CO02	CO03			
1	21501	10	7	9			71		47				9	10	9			
2	21502	8	6	5				71	44				7	9	8			
3	21503	10	8	7			69		43				8	7	6			
4	21504	7	5					69	40				10	9	8			
5	21505	9	10	6			71		41				9	9				
6	21506						A		A									
7	21507	10	7	9				71	40				9	10	10			
8	21508	8		9			69		40				8	7	8			
9	21509	7	6	7				68	42					7	10			
10	21510		8	7			71		35				10	9	8			
11	21511	8	10	8				63	38				9	10	7			
<b>Total Marks</b>		77	67	67			351	342	410				79	87	74			
<b>Average Marks</b>		7	6.09090909	6.0909			58.5	68.4	37.272727				7.182	7.909	6.7273			
<b>Average Attainment</b>		70	60.9090909	60.909			210.6	171	74.545455				71.82	79.09	67.273			
<b>3 Point Scale Conversion</b>		3	2	2			3	3	3				3	3	2			

Scale	Parameter	CO01	CO02	CO03
1	Internal Test/Assessment	3	3	3
2	Theory / Practical Semesters Exams	3	2	2
3	Projects/Seminar/Tour/Field Visits etc	3	3	2

	Average CO attainment	3	2.66666667	2.3333
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
FY BSC (CS)		Semester-I					Subject	Discrete Mathematics							Subject Code: USCS105			
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05		
1	21501	8	10	10	9	7	72			48			8	9	8	9	10	
2	21502	7	8	9	8	9		71			45		10	8	7	6		
3	21503		9	7	8	10			71	42			7	10	9	10	7	
4	21504	8	8			6		69			45			6	10	9	8	
5	21505	9	6		8	8	71			40			8	6	8	10	9	
6	21506						A	A	A	A	A							
7	21507	10	9	9	7	8		72			40		9	10	7	9	7	
8	21508	6	8	10	9	9			74	31			8	6	10	9	8	
9	21509	7		9		8		69			37			6	9	7	9	
10	21510		10		6	9	69			30			6	9		8		
11	21511	8	6		10	10			68		29		8		8	9	7	
<b>Total Marks</b>		63	74	54	65	84	212	281	213	191	196	64	70	76	86	65		
<b>Average Marks</b>		7.875	9.25	6.75	8.125	10.5	53	56.2	53.25	31.83	32.67	12.8	14	15.2	17.2	13		
<b>Average Attainment</b>		78.75	92.5	67.5	81.25	105	84.8	140.5	85.2	63.67	65.33	128	140	152	172	130		
<b>3 Point Scale Conversion</b>		3	3	2	3	3	3	3	3	2	2	3	3	3	3	3		

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	3	2	3	3
2	Theory / Practical Semesters Exams	3	3	3	2	2
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	2	3
	Average CO attainment	3	3	2.6667	2.333	2.667
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
FY BSC (CS)		Semester-I					Subject	Descriptive Statistics							Subject Code: USCS106			
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05		
1	21501	8	10	7	9		74		48			9	7	10	10			
2	21502	9	9	9	8			74		41		10	9	9	7			
3	21503	7	8		10		75		46			8	10	9	8			

4	21504	9	9	8	8			74		35			8	8	7	9			
5	21505	10	10	9	9			75		40			7	9	9	10			
6	21506							A		A									
7	21507	8	9	7	8			75		50			8	10	9	9			
8	21508	8	10	9	10			74		29			5	7		10			
9	21509	9	9	10	8			75		36			10	9	9	7			
10	21510		7	8				74		30				10	10				
11	21511	6	9	9	7			75		31			8	8	8	9			
<b>Total Marks</b>		74	90	76	77			372	373	193	193			73	87	80	79		
<b>Average Marks</b>		6.727272727	8.18181818	6.9091	7			62	74.6	38.6	32.17			6.636	7.909	7.2727	7.182		
<b>Average Attainment</b>		67.27272727	81.8181818	69.091	70			223.2	186.5	77.2	64.33			66.36	79.09	72.727	71.82		
<b>3 Point Scale Conversion</b>		2	3	2	3			3	3	3	2			2	3	3	3		

Scale	Parameter	CO01	CO02	CO03	CO04
1	Internal Test/Assessment	2	3	2	3
2	Theory / Practical Semesters Exams	3	3	3	2
3	Projects/Seminar/Tour/Field Visits etc	2	3	3	3
	Average CO attainment	2.333333333	3	2.6667	2.667
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																			
FY BSC (CS)		Semester-I				Subject	Soft Skills Development								Subject Code: USCS107				
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams				Projects/Seminar/Tour/Field Visits etc									
		CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04						
1	21501	9	7	8	10			71					9	8	10	9			
2	21502	10	9	9	6				62				10	7	9	7			
3	21503	6	10	8	7			68					8	10	8	8			
4	21504	7	8	9	8				71				7	8	7	9			
5	21505	9	10	7	8			71					10	7	8	10			
6	21506	A	A	A	A			A					A	A	A	A			
7	21507	9	9	9	8				65				9	10	10	10			
8	21508	7	8	10	9			68					6	7	6	9			
9	21509	9	7	8	10				63				7	9	10	7			
10	21510	10	10	9	7			69					10	10	9	10			
11	21511	8	9	10	9				57				8	8	7	9			
<b>Total Marks</b>		84	87	87	82			347	318	0	0			84	84	84	88		
<b>Average Marks</b>		7.636363636	7.90909091	7.9091	7.455			57.8333	63.6	0	0			7.636	7.636	7.6364	8		
<b>Average Attainment</b>		76.36363636	79.0909091	79.091	74.55			208.2	159	0	0			76.36	76.36	76.364	80		
<b>3 Point Scale Conversion</b>		3	3	3	3			3	3	0	0			3	3	3	3		

Scale	Parameter	CO01	CO02	CO03	CO04
1	Internal Test/Assessment	2	3	3	3
2	Theory / Practical Semesters Exams	3	3	0	0
3	Projects/Seminar/Tour/Field Visits etc	2	3	3	3
	Average CO attainment	2.333333333	3	2	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
FY BSC (CS)		Semester-II				Subject	Design & Analysis of Algorithms							Subject Code: USCS201				
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams							Projects/Seminar/Tour/Field Visits etc					
		CO01	CO02	CO03		CO01	CO02	CO03				CO01	CO02	CO03				
1	21501	10	5	10		69		45				5	10	9				
2	21502	7	8	5			69	43				8	5					
3	21503	10	9	7		43		44				9	7	8				
4	21504	8	10	9			45	38				10	9	9				
5	21505	9	6	10		47		40				6	10	8				
6	21506					A		A										
7	21507	5	9	6			66	46				9		8				
8	21508	10	7			45		40				8	7	5				
9	21509	6	10	9			44	41				10	9	7				
10	21510		8	7		47		38				5	10	9				
11	21511	10	7	10			40	41				7	8	10				
<b>Total Marks</b>		<b>75</b>	<b>79</b>	<b>73</b>		<b>251</b>	<b>264</b>	<b>416</b>				<b>77</b>	<b>75</b>	<b>73</b>				
<b>Average Marks</b>		<b>6.818181818</b>	<b>7.18181818</b>	<b>6.6364</b>		<b>41.8333</b>	<b>52.8</b>	<b>37.818182</b>				<b>7</b>	<b>6.818</b>	<b>6.6364</b>				
<b>Average Attainment</b>		<b>68.18181818</b>	<b>71.8181818</b>	<b>66.364</b>		<b>150.6</b>	<b>158.4</b>	<b>75.636364</b>				<b>70</b>	<b>68.18</b>	<b>66.364</b>				
<b>3 Point Scale Conversion</b>		<b>2</b>	<b>3</b>	<b>2</b>		<b>3</b>	<b>3</b>	<b>3</b>				<b>3</b>	<b>2</b>	<b>2</b>				

Scale	Parameter	CO01	CO02	CO03
1	Internal Test/Assessment	2	3	3

2	Theory / Practical Semesters Exams	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	3	2	3
	Average CO attainment	2.66666667	2.66666667	3
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

FY BSC (CS)		Semester-II					Subject	Advanced Python Programming										Subject Code: USCS202
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05		
1	21501	9	7	8	9	10	57			46			10	8	9	6	8	
2	21502	4	10	9	7	8		51	44			9	6	8	8	10		
3	21503	6	8	10	9		30			47		6	10	10		7		
4	21504	7	9		10	8		22			40	7	8	8	10	9		
5	21505	10	4	7	6	9	19			41		10	9	7	8	10		
6	21506						A				A							
7	21507	10	9	9	10	7		53	43			6	9	5	10			
8	21508	7	8	8	9	8	30			39		7	8	8	6	9		
9	21509		9	10		10		33			42	10		8		10		
10	21510	8	10		7	8	22			40		8	10	9	6	9		
11	21511	9	6	10	10	9		30			38		6	10	9	10		
<b>Total Marks</b>		70	80	71	77	77	158	189	87	213	120	73	74	82	63	82		
<b>Average Marks</b>		6.363636364	7.27272727	6.4545	7	7	26.3333	37.8	43.5	42.6	30	6.636	6.727	7.4545	5.727	7.455		
<b>Average Attainment</b>		63.63636364	72.7272727	64.545	70	70	94.8	94.5	87	85.2	60	66.36	67.27	74.545	57.27	74.55		
<b>3 Point Scale Conversion</b>		2	3	2	3	3	3	3	3	3	2	2	2	3	1	3		

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	2	3	2	3	3
2	Theory / Practical Semesters Exams	3	3	3	3	2
3	Projects/Seminar/Tour/Field Visits etc	2	2	3	1	3
	Average CO attainment	2.333333333	2.66666667	2.6667	2.333	2.667
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

FY BSC (CS)		Semester-II					Subject	Introduction to OOPs using C++										Subject Code: USCS203	
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc							
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05			
1	21501	9	8	10	7	9	64			40			8	10	7	9	10		
2	21502	6	10		9	10		58			42		9		6	8	8		
3	21503		8	5	10	9		35		45			7	8	9	9	9		
4	21504	9	8	7	9	10		39			33		9	7		10	7		
5	21505	8	10	9	10	9	47		41				10	10	9	9			
6	21506						A				A								
7	21507	9		10	8	7		56			45		10	7	9	6	8		
8	21508	10	10	6	7	8	34			33			9	10	7				
9	21509	9	9	9	9	7		36	43				8	6	9	10	7		
10	21510		7	7	10		38			30			8	10		9	10		
11	21511	9	6		7	10	38				40		9		10	8			
<b>Total Marks</b>		69	76	63	86	79	221	224	84	148	160		78	67	69	85	59		
<b>Average Marks</b>		6.272727273	6.90909091	5.7273	7.818	7.182	36.8333	44.8	42	37	32		7.091	6.091	6.2727	7.727	5.364		
<b>Average Attainment</b>		62.72727273	69.0909091	57.273	78.18	71.82	88.4	89.6	84	74	64		70.91	60.91	62.727	77.27	53.64		
<b>3 Point Scale Conversion</b>		2	2	1	3	3	3	3	3	3	2		3	2	2	3	1		

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	2	2	1	3	3
2	Theory / Practical Semesters Exams	3	3	3	3	2
3	Projects/Seminar/Tour/Field Visits etc	2	2	2	3	1
	Average CO attainment	2.333333333	2.333333333	2	3	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

FY BSC (CS)		Semester-II					Subject	Database Systems										Subject Code: USCS204	
Sr No	Student Exam Seat Number	Internal Test/Assessment						Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc					
		CO01	CO02	CO03	CO04	CO05	CO06	CO01	CO02	CO03	CO04	CO05	CO06	CO01	CO02	CO03	CO04	CO05	CO06
1	21501	10	8	10	7	9	7	48				49		10	9	10	9	7	9
2	21502	8	8	9	9	8	6		40			42		7	8	5	10	6	8
3	21503	9	7	6	10	10	10	40				44		9		7	8	8	7
4	21504	6		7	8	9	8		37	40				10	10	9	7	10	8
5	21505	7	10	10	9	7	9	35				33		8	6	10	8	9	10
6	21506							A				A							
7	21507	10	10	9	6	10	10		50		42			7	9	6	9	8	8
8	21508	8	6	7	7	9	7	32		43				6	10	7	8	10	9

9	21509	10	8	9		8	10		33			33	9	7		9	7		
10	21510	8	9	8	10	9	8	40				42	10	8	10	10	9	10	
11	21511	9	10	10	8	10			46		36			6	8	6	10	8	
<b>Total Marks</b>		85	76	85	74	89	75	195	206	83	78	168	75	76	73	72	84	84	77
<b>Average Marks</b>		7.727272727	6.90909091	7.7273	6.727	8.091	6.8182	32.5	41.2	41.5	39	42	25	6.909	6.636	6.5455	7.636	7.636	7
<b>Average Attainment</b>		77.27272727	69.0909091	77.273	67.27	80.91	68.182	117	123.6	83	78	84	50	69.09	66.36	65.455	76.36	76.36	70
<b>3 Point Scale Conversion</b>		3	2	3	2	3	2	3	3	3	3	3	1	2	2	2	3	3	3

Scale	Parameter	CO01	CO02	CO03	CO04	CO05	CO06
1	Internal Test/Assessment	3	2	3	2	3	2
2	Theory / Practical Semesters Exams	3	3	3	3	3	1
3	Projects/Seminar/Tour/Field Visits etc	2	2	2	3	3	3
	Average CO attainment	2.666666667	2.333333333	2.6667	2.667	3	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

FY BSC (CS)		Semester-II				Subject	Calculus								Subject Code: USCS205			
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams				Projects/Seminar/Tour/Field Visits etc								
		CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04					
1	21501	10	7	10	7	49		48				10	9	8	7			
2	21502	8	8		9		48		45			9	10	7	8			
3	21503	9	8	9	9	32		46				9	9		9			
4	21504		10	8			30		32			8	8	10	10			
5	21505	9	9	7	6	30		36				7	8	8	7			
6	21506					A			A									
7	21507	10	7	9	10		69		44			7	10	9	6			
8	21508	8	9	8	7	32		34				9	7	8	9			
9	21509			8	7		37		39			8	8	10	10			
10	21510	7	8	7	8	33		33					8	7				
11	21511	6	10		9		30		30			10	9	6	8			
<b>Total Marks</b>		67	76	66	72	176	214	197	190			77	86	73	74			
<b>Average Marks</b>		6.090909091	6.90909091	6	6.545	29.3333	42.8	39.4	31.67			7	7.818	6.6364	6.727			
<b>Average Attainment</b>		60.90909091	69.0909091	60	65.45	105.6	128.4	78.8	63.33			70	78.18	66.364	67.27			
<b>3 Point Scale Conversion</b>		2	2	2	2	3	3	3	2			3	3	2	2			

Scale	Parameter	CO01	CO02	CO03	CO04
1	Internal Test/Assessment	2	2	2	2

2	Theory / Practical Semesters Exams	3	3	3	2
3	Projects/Seminar/Tour/Field Visits etc	3	3	2	2
	Average CO attainment	2.666666667	2.666666667	2.3333	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

FY BSC (CS)		Semester-II						Subject	Statistical Methods						Subject Code: USCS206					
Sr No	Student Exam Seat Number	Internal Test/Assessment						Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05	CO06	CO01	CO02	CO03	CO04	CO05	CO06	CO01	CO02	CO03	CO04	CO05	CO06	
1	21501	10	9	9	7	7	10	55			44			10	9	7	7	10	9	
2	21502	9	6	10	8	9	9		45			45		9	6	8	9	10	7	
3	21503	8		9	8	7	8	33					45	8	8	8	7	9		
4	21504	9	7	7	8		7		30			36		9		8	9	9	10	
5	21505	7	9	10	9	9	9	33			35			7	10	9	9	7	8	
6	21506							A					A							
7	21507	10	10	10	8	10	9		48	47				7	8	10	9	10	8	
8	21508	10	9	9	8	10	7	34					35		9	10	7	9	9	
9	21509	9		9	8	9			32			39		8	7	9	9	8		
10	21510		8	8		9	10	32			34			8	9		10	6	10	
11	21511	7	9	10	8	7	8		30	37				9	10	7	8		9	
<b>Total Marks</b>		79	67	91	72	77	77	187	185	84	113	120	80	75	76	76	84	78	70	
<b>Average Marks</b>		7.181818182	6.09090909	8.2727	6.545	7	7	31.1667	37	42	37.67	40	26.67	6.818	6.909	6.9091	7.636	7.091	6.36363636	
<b>Average Attainment</b>		71.81818182	60.9090909	82.727	65.45	70	70	74.8	74	84	75.33	80	53.33	68.18	69.09	69.091	76.36	70.91	63.6363636	
<b>3 Point Scale Conversion</b>		3	2	3	2	3	3	3	3	3	3	3	1	2	2	2	3	3	2	

Scale	Parameter	CO01	CO02	CO03	CO04	CO05	CO06
1	Internal Test/Assessment	3	2	3	2	3	3
2	Theory / Practical Semesters Exams	3	3	3	3	3	1
3	Projects/Seminar/Tour/Field Visits	2	2	2	3	3	2
	Average CO attainment	2.666666667	2.333333333	2.6667	2.667	3	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

FY BSC (CS)		Semester-II						Subject	E-Commerce & Digital Marketing										Subject Code: USCS207	
Sr No	Student Exam Seat Number	Internal Test/Assessment						Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05	CO06	CO01	CO02	CO03	CO04	CO05	CO06	CO01	CO02	CO03	CO04	CO05	CO06	
1	21501	10	8	7	9	10	8	67						10	8	7	9	10	9	
2	21502	9	8	10	9	8	7		62					9	8	10	9	9	6	
3	21503		8	6	10	8	10		44					9	8	6	10	8	8	
4	21504	8	10	9	7		7			39				8	10	9	7	9	7	
5	21505	10	8	9	9	10	9	43						10	8	9	9	7	9	
6	21506							A												
7	21507	9	7	7	10	9	8		64					9	7	10	8	7	10	
8	21508	10	8	9	10	7	9			34				6	8	9	8	10	9	
9	21509	9	8	7	9	9	10			39				7	9	9	8	6	10	
10	21510	7		9	9	10	7	49						8	9	8	10	9	7	
11	21511		9	9	7	8	6			46				9	10	10	8	9	9	
<b>Total Marks</b>		72	74	82	89	79	81	159	170	158	0	0	0	85	85	87	86	84	84	
<b>Average Marks</b>		6.545454545	6.72727273	7.4545	8.091	7.182	7.3636	39.75	56.6667	39.5	0	0	0	7.727	7.727	7.9091	7.818	7.636	7.63636364	
<b>Average Attainment</b>		65.45454545	67.2727273	74.545	80.91	71.82	73.636	63.6	51	63.2	0	0	0	77.27	77.27	79.091	78.18	76.36	76.3636364	
<b>3 Point Scale Conversion</b>		2	2	3	3	3	3	2	1	2	0	0	0	3	3	3	3	3	3	

Scale	Parameter	CO01	CO02	CO03	CO04	CO05	CO06
1	Internal Test/Assessment	2	2	3	3	3	3
2	Theory / Practical Semesters Exams	2	1	2	0	0	0
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	3	3	3
	Average CO attainment	2.333333333	2	2.6667	2	2	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes	Yes

# Sem III

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																				
SY BSC (CS)		Semester-III						Subject	Principles of Operating Systems										Subject Code: USCS301	
Sr No	Student Exam Seat Number	Internal Test/Assessment						Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05		CO01	CO02	CO03	CO04	CO05		CO01	CO02	CO03	CO04	CO05		
1	22601	7	10	6	6	5		54			44			7	10		8			
2	22602	7	10	6	5	5			45	44				7	9		6			

3	22603	5	9	5	5	5	35	31	10	6	8	6				
4	22604	5	5	5	5	5	30	31	9	7	8					
5	22605	5	5	5	5	5	34	46	5	8	6	8				
6	22606	5	5	5	5	5	31	31	5	10	9	9				
7	22607	5	9	5	6	5	53	44	7	6	8					
8	22608	5	5	6	5	5	31	30	6	8	6	8				
9	22609	5	10	AB	5	5	30	30	10	10	9	9				
<b>Total Marks</b>		49	68	43	47	45	172	171	90	149	92	66	46	46	50	40
<b>Average Marks</b>		6.125	8.5	5.375	5.875	5.625	57.3333	57	45	29.8	23	13.2	9.2	9.2	10	8
<b>Average Attainment</b>		61.25	85	53.75	58.75	56.25	57.3333	57	60	74.5	61.33	132	92	92	100	80
<b>3 Point Scale Conversion</b>		2	3	1	1	1	1	1	2	3	2	3	3	3	3	3

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	2	3	1	1	1
2	Theory / Practical Semesters Exams	1	1	2	3	2
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	3	3
	Average CO attainment	2	2.33333333	2	2.333	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																				
SY BSC (CS)		Semester-III					Subject	Linear Algebra										Subject Code:USCS302		
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc								
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05				
1	22601	10	8	8	10	7		63		46			10	10	9		9			
2	22602	10	6	8	10	7		49			44		10		6	8				
3	22603	5	8	6	5	6				39			10		8	6	8			
4	22604	9	6	8	5	6	30				40		10	10	9		9			
5	22605	9	8	6	3	6		32	42				10	10			8			
6	22606	5	8	9	AB	7	34				39		10	9			6			
7	22607	10	8	10	5	AB	60			47			10		6	8	6			
8	22608	5	8	8	5	7		19	37				10	7			8			
9	22609	5	8	8	4	7	20			38			10		8	6	8			
<b>Total Marks</b>		68	68	71	47	53	144	163	79	170	123		90	46	46	50	40			
<b>Average Marks</b>		8.5	8.5	8.88	5.88	6.63	36	40.75	39.5	42.5	41		10	5.11	5.75	6.25	5			
<b>Average Attainment</b>		51.3	85	88.75	58.75	66.25	57.6	65.2	79	85	82		900	51.11	57.5	62.5	50			
<b>3 Point Scale Conversion</b>		1	3	3	1	2	1	2	3	3	3		3	1	1	2	1			

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	1	3	3	1	2
2	Theory / Practical Semesters Exams	1	2	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	3	1	1	2	3
	Average CO attainment	1.666666667	2	2.3333	2	2.667
	(YES/NO) Target Level: 2	No	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																				
SY BSC (CS)		Semester-III					Subject	Data Structure										Subject Code: USCS303		
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc								
		CO01	CO02	CO03			CO01	CO02	CO03			CO01	CO02	CO03						
1	22601	10	10	10			67		43			9		9						
2	22602	10	10	9				42	57			6	8							
3	22603	10	10	9			31		38			8	6	8						
4	22604	10	10	10				30	38			9		9						
5	22605	7	10	8			40		39				8	5						
6	22606	10	10	AB				0	34			7	6							
7	22607	AB	10	10				71	41			6	8	6						
8	22608	9	10	10				26	33				8	9						
9	22609	AB	10	AB			31		33			8	6	8						
<b>Total Marks</b>		66	90	66			169	169	356			53	50	54						
<b>Average Marks</b>		8.25	11.25	8.25			18.7778	33.8	59.333333			6.625	6.25	6.75						
<b>Average Attainment</b>		82.5	112.5	82.5			67.6	84.5	79.111111			66.25	62.5	67.5						
<b>3 Point Scale Conversion</b>		3	3	3			2	3	3			2	2	2						

Scale	Parameter	CO01	CO02	CO03
1	Internal Test/Assessment	3	3	3
2	Theory / Practical Semesters Exams	2	3	3

3	Projects/Seminar/ Tour/Field Visits etc	2	2	2
	Average CO attainment	2.333333333	2.66666667	2.6667
	(YES/NO) Target Level: 2	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
SY BSC (CS)		Semester-III				Subject		Advanced Database Concepts						Subject Code: USCS304				
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04			CO01	CO02	CO03	CO04			CO01	CO02	CO03	CO04	
1	22601	8	7	7	6			60		47			10	9		9		
2	22602	7	7	6	6				53		46		8	10	8			
3	22603	6	7	7	5			34		41				10	6	8		
4	22604	5	10	5	9				26		37		10	9		9		
5	22605	6	10	6	5			35		46			10		8	5		
6	22606	7	6	6	8				30		38		9	7	6			
7	22607	7	AB	6	8			65		47				6	8	6		
8	22608	6	5	AB	6				3		39		7		8	9		
9	22609	7	6	6	5			17		40				8	6	8		
<b>Total Marks</b>		59	58	49	58			211	112	221	160		54	59	50	54		
<b>Average Marks</b>		7.375	7.25	6.125	7.25			23.4444	12.4444	44.2	40		6.75	7.375	6.25	6.75		
<b>Average Attainment</b>		73.75	72.5	61.25	72.5			105.5	44.8	88.4	80		67.5	73.75	62.5	67.5		
<b>3 Point Scale Conversion</b>		3	3	2	3			3	0	3	3		2	3	2	2		

Scale	Parameter	CO01	CO02	CO03	CO04
1	Internal Test/Assessment	3	3	2	3
2	Theory / Practical Semesters Exams	3	0	3	3
3	Projects/Seminar/ Tour/Field Visits etc	2	3	2	2
	Average CO attainment	2.666666667	2	2.3333	2.667
	(YES/NO) Target Level: 2	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
SY BSC (CS)		Semester-III				Subject		Java based Application Development						Subject Code: USCS305				
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05		
1	22601	6	5	6	7	6	60				47				9	8	10	9

2	22602	10	5	6	5	6		46			47		8	6	10		6
3	22603	5	5	4	5	6			27	40			6	8	8		8
4	22604	10	5	5	5	AB		23			37			9		10	9
5	22605	10	10	5	4	6		45		36			8	5	10	10	8
6	22606	10	10	6	5	AB				33	34		6	5	10	9	8
7	22607	6	10	6	9	6		67			45		8	6	8		8
8	22608	5	5	AB	5	6			11		33		10	5	10	7	8
9	22609	AB	5	5	AB	6				37	35		6	8			8
<b>Total Marks</b>		62	60	43	45	42		150	102	97	203	151	52	61	64	46	72
<b>Average Marks</b>		7.75	7.5	5.375	5.625	5.25		16.6667	11.3333	32.333333	40.6	37.75	6.5	7.625	8	5.75	9
<b>Average Attainment</b>		77.5	75	53.75	56.25	52.5		45	30.6	64.66	81.2	75.5	65	76.25	80	57.5	90
<b>3 Point Scale Conversion</b>		3	3	1	1	1		0	0	2	3	3	3	3	3	1	3

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	3	1	2	1
2	Theory / Practical Semesters Exams	0	0	2	3	3
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	1	3
	Average CO attainment	2	2	2	2	2.333
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																			
SY BSC (CS)		Semester-III					Subject	Web Technologies										Subject Code: USCS306	
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc							
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05			
1	22601	10	5	5	5	AB	62			43			6	10	9	9			
2	22602	5	5	5	AB	8		50			41		8	9	9		6		
3	22603	10	5	5	2	5				35			8	9	9	10			
4	22604	5	5	10	10	AB	31	37	35				6	9	9		8		
5	22605	10	5	5	10	9		47		41				9	9	10	9		
6	22606	AB	AB	5	4	8					36		8	9	9		6		
7	22607	5	5	10	10	AB	67	49	41				6	9	9		8		
8	22608	10	5	10	AB	10		24			32			9	9	10	9		
9	22609	4	6	3	2	10	30				32		8	10	9	10			
<b>Total Marks</b>		59	41	58	43	50	190	207	111	116	109		50	83	81	49	46		
<b>Average Marks</b>		7.375	5.125	7.25	5.375	6.25	21.1111	23	37	38.67	36.33		6.25	10.38	10.125	6.125	5.75		
<b>Average Attainment</b>		73.75	51.25	72.5	53.75	62.5	76	103.5	74	77.33	72.66		62.5	103.8	101.25	61.25	57.5		

3 Point Scale Conversion	3	1	3	1	2	3	3	3	3	3	2	3	3	2	1
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Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	1	3	1	2
2	Theory / Practical Semesters Exams	3	3	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	2	3	3	2	1
	Average CO attainment	2.666666667	2.333333333	3	2	2
	(YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
SY BSC (CS)		Semester-III				Subject		Green Technologies								Subject Code: USCS307		
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams				Projects/Seminar/Tour/Field Visits etc								
		CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04					
1	22601	10	10	10	5	53					9	6	7	4				
2	22602	10	10	10	8		40				5	6	4	8				
3	22603	9	9	8	8	32					7	7	9	7				
4	22604	8	8	8	6		27				4	8	8	6				
5	22605	9	9	8	5	34					10	9	6	3				
6	22606	8	8	8	8		22				3	8	7	8				
7	22607	10	10	8	6	47					6	8	5	6				
8	22608	8	8	8	10		27				7	9	6	9				
9	22609	5	8	8	8	30					1	6	7	8				
<b>Total Marks</b>		77	80	76	64	196	116	0	0		52	67	59	59				
<b>Average Marks</b>		9.625	10	8.4444	7.111	21.7778	12.8889	0	0		6.5	8.375	7.375	7.375				
<b>Average Attainment</b>		96.25	100	84.444	71.11	98	58	0	0		65	83.75	73.75	73.75				
<b>3 Point Scale Conversion</b>		3	3	3	3	3	1	0	0		2	3	3	3				

Scale	Parameter	CO01	CO02	CO03	CO04
1	Internal Test/Assessment	3	3	3	3
2	Theory / Practical Semesters Exams	2	1	0	0

3	Projects/Seminar/ Tour/Field Visits etc	2	3	3	3	
	Average CO attainment	2.333333333	2.333333333	2	2	
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																			
SY BSC (CS)		Semester-IV				Subject	Theory of Computation								Subject Code: USCS401				
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams								Projects/Seminar/Tour/Field Visits etc					
		CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04						
1	22601	8	9	7	5			46			72				10		9	10	
2	22602	9	9	7	5				44		60				6	8	8		
3	22603	9	7	6	5			38			33			10		9	10		
4	22604	10	7	6	AB				35		30				8	8	6		
5	22605	10	7	5	6			38			37			10	9	8			
6	22606	9	7	6	AB				39		38					8	8		
7	22607	10	9	10	10			43			68				8	8	6		
8	22608	10	AB	6	7				35		30			10	9	7			
9	22609	10	8	6	AB				AB							9	8		
<b>Total Marks</b>		85	63	59	38		0	165	153	210	158			40	40	74	56		
<b>Average Marks</b>		10.625	7.875	7.375	4.75			18.3333	17	52.5	39.5			5	5	9.25	7		
<b>Average Attainment</b>		106.25	78.75	73.75	47.5			66	61.2	105	79			50	50	92.5	70		
<b>3 Point Scale Conversion</b>		3	3	3	0			2	2	3	3			1	1	3	3		

Scale	Parameter	CO01	CO02	CO03	CO04
1	Internal Test/Assessment	3	3	3	0
2	Theory / Practical Semesters Exams	2	2	3	3
3	Projects/Seminar/ Tour/Field Visits	1	1	3	3
	Average CO attainment	2	2	3	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

SY BSC (CS)		Semester-IV				Subject	Computer Networks								Subject Code: USCS402				
Sr No	Student Exam Seat Number	Internal Test/Assessment						Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc					
		CO01	CO02					CO01	CO02					CO01	CO02				
1	23561	10	10					73	45					9					
2	23562	10	10					59	44						6				
3	23563	10	10					46	38					7					
4	23564	10	10					34	36						8				
5	23565	10	10					47	40					10					
6	23566	10	10					50	36						6				
7	23567	10	10					74	46						8				
8		10	10					39	36					10					
9	23568	10	10					AB	AB					6					
<b>Total Marks</b>		90	90					0	422	321				42	28				
<b>Average Marks</b>		11.25	11.25						46.8889	40.125				5.25	3.5				
<b>Average Attainment</b>		112.5	112.5						379.8	71.33				52.5	35				
<b>3 Point Scale Conversion</b>		3	3						3	3				1	0				

Scale	Parameter	CO01	CO02
1	Internal Test/Assessment	3	3
2	Theory / Practical Semesters Exams	3	3
3	Tour/Field Visits etc	1	0
	Average CO attainment	2.333333333	2
	Attained (YES/NO) Target Level: 2	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

SY BSC (CS)		Semester-IV				Subject	Software Engineering								Subject CodeUSCS403					
Sr No	Student Exam Seat Number	Internal Test/Assessment						Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04			CO01	CO02	CO03	CO04	CO05			CO01	CO02	CO03	CO04		
1	23561	7	6	5	7			66			45			9	10	9	9			
2	23562	7	6	5	6				59			44		10	10	8				
3	23563	5	AB	5	5				43		38			8		9	8			
4	23564	5	5	4	5			41				36		9	10	8	9			
5	23565	5	5	5	5				44	40					10	8	6			
6	23566	5	5	5	5						36			8	7	8				
7	23567	7	6	5	7			70			46			6		9	6			
8		5	AB	4	6			42	42	36				5	10	8	5			
9	23568	5	6	5	6			AB			AB			8		9	8			
<b>Total Marks</b>		51	39	43	52			219	188	76	129	116		63	57	76	51			
<b>Average Marks</b>		6.375	4.875	5.375	6.5			24.3333	20.8889	38	43	38.67		7.875	7.125	9.5	6.375			

Average Attainment	63.75	48.75	53.75	65			87.6	75.2	76	86	77.33		78.75	71.25	95	63.75		
3 Point Scale Conversion	2	0	1	2			3	3	3	3	3		3	3	3	2		

Scale	Parameter	CO01	CO02	CO03	CO04
1	Internal Test/Assessment	2	0	1	2
2	Theory / Practical Semesters Exams	3	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	2
	Average CO attainment	2.666666667	2	2.3333	2.333
	Attained (YES/NO) Target Level: 2	Yes	Yes	No	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
SY BSC (CS)		Semester-IV				Subject	IoT Technologies										Subject Code: USCS404	
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03		CO01	CO02	CO03		CO01	CO02	CO03						
1	22601	10	10	10		51		45				8		9				
2	22602	9	10	10			73	44				7	8					
3	22603	7	10	10		54	36						6	8				
4	22604	8	10	10			36	35						9				
5	22605	10	10	10		31	37					7	8					
6	22606	5	10	10			36	39				7	6					
7	22607	6	10	10		45	46						8	6				
8	22608	7	10	10		36	70					9		5				
9	22609	8	10	10		31		AB					6	8				
<b>Total Marks</b>		70	90	90		0	248	334	163			38	42	45				
<b>Average Marks</b>		8.75	11.25	11.25			27.5556	37.1111	40.75			4.75	5.25	5.625				
<b>Average Attainment</b>		87.5	112.5	112.5			148.8	233.8	81.5			47.5	52.5	56.25				
<b>3 Point Scale Conversion</b>		3	3	3			3	3	3			0	1	1				

Scale	Parameter	CO01	CO02	CO03
1	Internal Test/Assessment	3	3	3
2	Theory / Practical Semesters Exams	3	3	3

3	Projects/Seminar/ Tour/Field Visits etc	0	1	1
	Average CO attainment	2	2.33333333	2.3333
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																				
SY BSC (CS)		Semester-IV					Subject	Android Application Development										Subject Code: USCS405		
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc								
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05				
1	22601	5	5	7	AB	6	69			44			10	9	8	6	9			
2	22602	9	5	7	10	6		63	42				8	5	7	8	5			
3	22603	10	5	5	9	5		44		38			8	8	5	6	8			
4	22604	10	5	5	10	5	36				35		8	9	5	5	9			
5	22605	10	5	5	10	5		52	38				5	8	7	8				
6	22606	10	5	5	9	5	43				35		9		7	6				
7	22607	10	5	7	10	5	69			42				6		8	6			
8	22608	9	5	5	10	5		32			35		7		9		5			
9	22609	8	5	5	10	5	AB			AB				8		6	8			
<b>Total Marks</b>		81	45	51	78	47	217	191	80	124	105		55	53	48	53	50			
<b>Average Marks</b>		10.125	5.625	6.375	9.75	5.875	24.1111	21.2222	40	41.33	35		6.875	6.625	6	6.625	6.25			
<b>Average Attainment</b>		101.25	56.25	63.75	97.5	58.75	86.8	76.4	80	82.66	70		68.75	66.25	60	66.25	62.5			
<b>3 Point Scale Conversion</b>		3	1	2	3	1	3	3	3	3	3		2	2	2	2	2			

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	1	2	3	1
2	Theory / Practical Semesters Exams	1	3	3	3	3
3	Projects/Seminar/ Tour/Field Visits etc	2	2	2	2	2
	Average CO attainment	2	2	2.3333	2.667	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																				
SY BSC (CS)		Semester-IV					Subject	Advanced Application Development										Subject Code: USCS406		
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc								
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05				

1	22601	7	7	5	7	6	69	46	10	9	6	9					
2	22602	7	6	5	7	5	50	45	8	5	7	8	9				
3	22603	5	5	4	7	AB	40	40	8	6	6	8					
4	22604	4	4	4	5	4	31	36	10	9	5	9					
5	22605	5	5	5	6	5	37	38	5	6	7	8	9				
6	22606	7	7	5	5	5	34	40	9	7	6	6					
7	22607	7	7	AB	7	5	68	46	6	8	8	6					
8	22608	AB	5	4	5	AB	30	37	7	9	5						
9	22609	6	4	5	5	5	AB	8	6	6	8						
<b>Total Marks</b>		48	50	37	54	35	0	202	157	82	124	122	49	51	61	42	69
<b>Average Marks</b>		6	6.25	4.625	6.75	4.375		22.4444	17.4444	41	41.33	40.67	6.125	6.375	7.625	5.25	8.625
<b>Average Attainment</b>		60	62.5	46.25	67.5	43.75		80.8	62.8	82	82.66	81.33	61.25	63.75	76.25	52.5	86.25
<b>3 Point Scale Conversion</b>		2	2	0	2	0		3	3	3	3	3	2	2	3	1	3

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	2	2	0	2	0
2	Theory / Practical Semesters Exams	3	3	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	2	2	3	1	3
	Average CO attainment	2.333333333	2.333333333	2	2	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	No	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																	
SY BSC (CS)		Semester-IV				Subject	Research Methodology						Subject Code: USCS407				
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams						Projects/Seminar/Tour/Field Visits etc					
		CO01	CO02			CO01	CO02					CO01	CO02				
1	23561	5	10									9					
2	23562	5	9			68							6				
3	23563	4	10				58					7	5				
4	23564	10	10										9				
5	23565	4	AB			43						10	9				
6	23566	10	AB				33					9					
7	23567	6	5									9	8				
8		10	8									10	9				
9	23568	4	10			59						6	10				
<b>Total Marks</b>		58	62			0	170	91				60	56				
<b>Average Marks</b>		7.25	7.75				18.8889	10.1111				7.5	7				

Average Attainment	72.5	77.5					51	27.3					75	70			
3 Point Scale Conversion	3	3					1	0					2	2			

Scale	Parameter	CO01	CO02
1	Internal Test/Assessment	3	3
2	Theory / Practical Semesters Exams	1	0
3	Projects/Seminar/Tour/Field Visits etc	3	3
	Average CO attainment	2.333333333	2
	(YES/NO) Target Level: 2	Yes	Yes

# Semester V

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																			
TY BSC (CS)		Semester-V					Subject	Artificial Intelligence										Subject Code: USCS501	
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc							
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05			
1	23561	10	10	8	10	10		51	46				10	8	10	8			
2	23562	10	10	7	6	10		20		44			6	8	7	7			
3	23563	10	10	9	8	10		62		48			10	10		8			
4	23564	10		10	7	10			14		40		5		10	7	10		
5	23565	10		7	6	10		23		43			6		7	6	7		
6	23566	10	6	8	6	10			15		40		5	6	8	6	6		
7	23567		6	8		10		22			42		6	6	8		7		
8	23568	10		10		10			41		46		10	8	9		6		
<b>Total Marks</b>		70	42	67	43	80		127	121	137	130	82	48	48	57	37	51		
<b>Average Marks</b>		8.75	5.25	8.375	5.375	10		31.75	40.3333	45.666667	43.33	27.33	9.6	9.6	11.4	7.4	10.2		
<b>Average Attainment</b>		87.5	52.5	83.75	53.75	100		50.8	48.4	91.333333	86.67	82	96	96	114	74	102		
<b>3 Point Scale Conversion</b>		3	1	3	1	3		1	0	3	3	3	3	3	3	3	3		

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	1	3	1	3

2	Theory / Practical Semesters Exams	1	0	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	3	3
	Average CO attainment	2.333333333	1.333333333	3	2.333	3
	Attained (YES/NO) Target Level: 2	Yes	No	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																			
TY BSC (CS)		Semester-V					Subject	Information & Network Security										Subject Code: USCS502	
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc							
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05			
1	23561	9	8	10	9	9		58		43			10		7	6	8		
2	23562	7			9	7		35		42			8	6	8	6	6		
3	23563	9	9	10	10	10		44			44		10	6	8	8	8		
4	23564	5			6	5		31		40			8	9	7	6	7		
5	23565	5	8	9	8	5		12	41				8	6	8	6	7		
6	23566	5	8	10	8	5		24			40		7	6	8	6	7		
7	23567	5	8	10	9			42		39			8	6	7	6	7		
8	23568	10	9	10	10	10		52		43			10	9	8	6	8		
<b>Total Marks</b>		55	50	59	69	51		142	156	126	122	84	69	48	61	50	58		
<b>Average Marks</b>		6.88	6.25	7.38	8.63	6.38		35.50	39.00	42.00	40.67	42.00	8.63	6.00	7.63	6.25	7.25		
<b>Average Attainment</b>		68.75	62.5	73.75	86.25	63.75		56.8	62.4	84	81.33	56	86.25	60	76.25	62.5	72.5		
<b>3 Point Scale Conversion</b>		2	2	3	3	2		1	2	3	3	1	3	2	3	2	3		

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	2	2	3	3	2
2	Theory / Practical Semesters Exams	1	2	3	3	1
3	Projects/Seminar/Tour/Field Visits etc	3	2	3	2	3
	Average CO attainment	2	2	3	2.667	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)							
TY BSC (CS)	Semester-V	Subject	Software Testing & Quality Assurance				Subject Code: USCS5032

Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc					
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	
1	23561	8	8	10	10	10		48		42			8	6	8	6	6
2	23562	7	6	8	10	10	30				44		6	6	8	4	7
3	23563	9	10	10	10	10		50	44				8		7	6	7
4	23564	6	8	8	10	8	30			41			5	6	8	6	6
5	23565	6		6	7	7		30	40				6	6	8	4	7
6	23566	7	7	7	7	8	23				40		5	6	8	6	6
7	23567	8	8	6	7	7		38		41			6	5	8	4	7
8	23568	10	9	10	10	10	53		43				8	6	7	6	7
<b>Total Marks</b>		61	56	65	71	70	136	166	127	124	84		52	41	62	42	53
<b>Average Marks</b>		7.625	7	8.125	8.875	8.75	34	41.5	42.333333	41.33	42		6.5	5.125	7.75	5.25	6.625
<b>Average Attainment</b>		76.25	70	81.25	88.75	87.5	54.4	66.4	84.666667	82.67	84		65	51.25	77.5	52.5	66.25
<b>3 Point Scale Conversion</b>		3	3	3	3	3	1	2	3	3	3		2	1	3	1	2

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	3	3	3	3
2	Theory / Practical Semesters Exams	1	2	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	2	1	3	1	2
	Average CO attainment	2	2	3	2.333	2.667
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																		
TY BSC (CS)		Semester-V					Subject	Game Programming					Subject Code: USCS5042					
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05		
1	23561	10	8	9	18	10		47		46			8	9	8	6	6	
2	23562	5	5		7	8	30			45			7	6	8	6	7	
3	23563	10	10	14	18	10		45			48		8	9	8	8	6	
4	23564	5	5		6	6	30			40			7	6	8	6	7	
5	23565	4	5	5	7	6		34	44				7		7	6	7	
6	23566	5	5	5	6	6	31				40		7	6	8	6	6	
7	23567	5	5	5	6	6		41		43			6	6	8	6	7	
8	23568	10	8	14	24	9	48		47				8	9	8	8	6	
<b>Total Marks</b>		54	51	52	92	61	139	167	136	129	88		58	51	63	52	52	
<b>Average Marks</b>		6.75	6.375	6.5	11.5	7.625	34.75	41.75	45.333333	43	44		7.25	6.375	7.875	6.5	6.5	
<b>Average Attainment</b>		67.5	63.75	65	115	76.25	55.6	66.8	90.666667	86	58.67		72.5	63.75	78.75	65	65	
<b>3 Point Scale Conversion</b>		2	2	2	3	3	1	2	3	3	1		3	2	3	2	2	

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
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1	Internal Test/Assessment	2	2	2	3	3
2	Theory / Practical Semesters Exams	1	2	3	3	1
3	Projects/Seminar/Tour/Field Visits etc	3	2	3	2	2
	Average CO attainment	2	2	2.6667	2.667	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

TY BSC (CS)		Semester-V					Subject	Project Management										Subject Code: USCS5051
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc						
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05		
1	23561	10		10	10	10			51				10	10	10	10	10	
2	23562	10			5	10			30				10	9	10	9	10	
3	23563	10	10	10	10	10		58				9	9	9	9	9		
4	23564		6		5	10		30				9	9	9	9	9		
5	23565	10	6	7	5	10			45			9	10	9	10	9		
6	23566	10	5	7	5	10			20			10	10	10	10	10		
7	23567	10	7	8	8	10		36				10	10	10	10	10		
8	23568	10	10	10	10	10		47				10	10	10	10	10		
<b>Total Marks</b>		70	44	52	58	80		0	171	146	0	0	77	77	77	77	77	
<b>Average Marks</b>		8.75	5.5	6.5	7.25	10		0	171	73	0	0	9.625	9.625	9.625	9.625	9.625	
<b>Average Attainment</b>		87.5	55	65	72.5	100		0	68.4	58.4	0	0	96.25	96.25	96.25	96.25	96.25	
<b>3 Point Scale Conversion</b>		3	1	2	3	3		0	2	1	0	0	3	3	3	3	3	

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	1	2	3	3
2	Theory / Practical Semesters Exams	0	2	1	0	0
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	3	3
	Average CO attainment	2	2	2	2	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

TY BSC (CS)		Semester-VI					Subject	Data Science										Subject Code: USCS601				
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc										
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05						
1	23561	10	10	10	10	10			62		45		7	7	8	7	7					
2	23562	10	10	6	10	10		30		42		6	6	8	6	3						
3	23563	10	10	10	10	10	52				47	6	7	8	6	7						
4	23564		10	6					30	41		7	7	8	7	7						
5	23565			6	10	6		42			40	6	6	8	6	5						
6	23566	10	10	6	10	7	37			40		6	7	8	6	7						
7	23567	10			10	6			30		40	7	3	8	7	7						
8	23568	10	10	10	10	10		52		44		6	8	8	6	8						
<b>Total Marks</b>		60	60	54	70	59		89	124	122	167	172	51	51	64	51	51					
<b>Average Marks</b>		7.5	7.5	6.75	8.75	7.375		44.5	41.3333	40.666667	41.75	43	0	6.375	6.375	8	6.375	6.375				
<b>Average Attainment</b>		75	75	67.5	87.5	73.75		89	82.6667	81.333333	83.5	86	63.75	63.75	80	63.75	63.75					
<b>3 Point Scale Conversion</b>		3	3	2	3	3		3	3	3	3	3	2	2	3	2	2					

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	3	2	3	3
2	Theory / Practical Semesters Exams	3	3	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	2	2	3	2	2
	Average CO attainment	2.66666667	2.66666667	2.6667	2.667	2.667
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

TY BSC (CS)		Semester-VI					Subject	Cloud Computing and Web Services										Subject Code: USCS602				
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc										
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05						
1	23561	10	10	10	10	10	52				42		5	6	8	6	6					
2	23562	10	10	10	10	10		34	42				6	6	8	6	7					
3	23563	10	10	10	10	10	59				47	10	8	9	9	6						
4	23564	10			10	10		31		40		5	4	8	6	6						
5	23565	10	10	10	10	10		18			40	6	6	8	7	7						
6	23566		10			10	36		40			10	8	9	8	6						
7	23567	10	10	10	10	10		31			40	5	6	8	6	6						
8	23568	10	10	10	10	10		55		44		6	6	8		7						
<b>Total Marks</b>		70	70	60	70	80		147	169	82	84	169	53	50	66	48	51					
<b>Average Marks</b>		8.75	8.75	7.5	8.75	10		73.5	56.3333	27.333333	21	42.25	6.625	6.25	8.25	6	6.375					
<b>Average Attainment</b>		87.5	87.5	75	87.5	100		73.5	56.3333	82	84	84.5	66.25	62.5	82.5	60	63.75					

3 Point Scale Conversion	3	3	3	3	3	3	1	3	3	3	2	2	3	2	2
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Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	3	3	2	3	3
2	Theory / Practical Semesters Exams	3	1	3	3	3
3	Projects/Seminar/ Tour/Field Visits etc	2	2	3	2	2
	Average CO attainment	2.666666667	2	2.6667	2.667	2.667
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

**Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)**

TY BSC (CS)		Semester-VI				Subject	Wireless and Sensor Networks								Subject Code: USCS6031
Sr No	Student Exam Seat Number	Internal Test/Assessment				Theory / Practical Semesters Exams				Projects/Seminar/Tour/Field Visits etc					
		CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04	CO01	CO02	CO03	CO04		
1	23561	9	10	8	10	48		42		6	6	8	9		
2	23562	8	8	6	10		33		41	10	8	9	6		
3	23563	9	9	9	10	65		46		5	9	8	9		
4	23564	6	7	7	8		30		40	6	8	8	6		
5	23565	5	6		8	11		40		10	8	9	5		
6	23566	6	6	7	8		30		40	5	6	8	8		
7	23567	7	6	7	8	22		40		6	6	8	5		
8	23568	8	7	8	10		47		45	10	7	9	10		
<b>Total Marks</b>		58	59	52	72	146	140	168	166	58	58	67	58		
<b>Average Marks</b>		7.25	7.375	6.5	9	36.5	35	42	41.5	7.25	7.25	8.375	7.25		
<b>Average Attainment</b>		72.5	73.75	65	90	58.4	56	84	83	72.5	72.5	83.75	72.5		
<b>3 Point Scale Conversion</b>		3	3	2	3	1	1	3	3	3	3	3	3		

Scale	Parameter	CO01	CO02	CO03	CO04
1	Internal Test/Assessment	3	3	2	3
2	Theory / Practical Semesters Exams	1	1	3	3
3	Projects/Seminar/ Tour/Field Visits etc	3	3	3	3
	Average CO attainment	2.333333333	2.33333333	2.6667	3
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																			
TY BSC (CS)		Semester-VI					Subject	Ethical Hacking										Subject Code: USCS6042	
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc							
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05			
1	23561	10	10	9	8	9		54		43			5	9	8	5	8		
2	23562	8	8	7	7	10	40				42		6	6	8	6	6		
3	23563	10	9	8	6			58	47				10	8	9	10	8		
4	23564	7	7	6		6	37				41		5	6	8	5	6		
5	23565		6			6	43			43			6	6	8	6	6		
6	23566		7		5	6		33			40		10	5	9	10	6		
7	23567	6	7	6	5			33	40				5	6	8	5	6		
8	23568		7	9	9	9	59				45		6	6	8	6	8		
<b>Total Marks</b>		41	61	45	40	46	179	178	87	86	168	53	52	66	53	54			
<b>Average Marks</b>		5.125	7.625	5.625	5	5.75	59.6667	89	29	21.5	42	6.625	6.5	8.25	6.625	6.75			
<b>Average Attainment</b>		51.25	76.25	56.25	50	57.5	71.6	71.2	87	86	84	66.25	65	82.5	66.25	67.5			
<b>3 Point Scale Conversion</b>		1	3	1	1	1	3	3	3	3	3	2	2	3	2	2			

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	1	3	1	1	1
2	Theory / Practical Semesters Exams	3	3	3	3	3
3	Projects/Seminar/Tour/Field Visits etc	2	2	3	2	2
	Average CO attainment	2	2.66666667	2.3333	2	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes

Course Outcomes (CO) and CO Attainment Level for AY-2023-24 (Batch 2021-2024)																			
TY BSC (CS)		Semester-VI					Subject	Cyber Laws and IPR										Subject Code: USCS6052	
Sr No	Student Exam Seat Number	Internal Test/Assessment					Theory / Practical Semesters Exams					Projects/Seminar/Tour/Field Visits etc							
		CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05	CO01	CO02	CO03	CO04	CO05			
1	23561	9	10	10	10	10	58						10	10	10	10	10		
2	23562	5	10	10	10	10		34					10	9	10	9	10		
3	23563	9	10	10	10	10	74						9	9	9	9	9		
4	23564	6		10	10		33						9	9	9	9	9		
5	23565	6	10	10	10	10		54					9	10	9	10	9		
6	23566	5		10	10		38						10	10	10	10	10		
7	23567	5	10	10	10	10		45					10	10	10	10	10		
8	23568	9	10	10	10	10		58					10	10	10	10	10		
<b>Total Marks</b>		54	60	80	80	60	203	191	0	0	0	77	77	77	77	77			
<b>Average Marks</b>		6.75	7.5	10	10	7.5	101.5	95.5	0	0	0	9.625	9.625	9.625	9.625	9.625			

<b>Average Attainment</b>	67.5	75	100	100	75		81.2	76.4	0	0	0		96.25	96.25	96.25	96.25	96.25
<b>3 Point Scale Conversion</b>	2	3	3	3	3		3	3	0	0	0		3	3	3	3	3

Scale	Parameter	CO01	CO02	CO03	CO04	CO05
1	Internal Test/Assessment	2	3	3	3	3
2	Theory / Practical Semesters Exams	3	3	0	0	0
3	Projects/Seminar/Tour/Field Visits etc	3	3	3	3	3
	Average CO attainment	2.666666667	3	2	2	2
	Attained (YES/NO) Target Level: 2	Yes	Yes	Yes	Yes	Yes