Kanpur Institute of Technology, Kanpur		
Common Data Input Sheet		
Semester: First	Name of the Faculty: Sanjay Shahi	
Subject Code: KCA104	Total No. of Students: 61	Subject Name: Discrete Mathematics

CO DESCRIPTION TABLE	
CO LIST	DESCRIPTION
CO1	Use mathematical and logical notation to define and formally reason about basic discrete structures such as Sets, Relations and Functions
CO2	Apply mathematical arguments using logical connectives and quantifiers to check the validity of an argument through truth tables and propositional and predicate logic
CO3	Identify and prove properties of Algebraic Structures like Groups, Rings and Fields
CO4	Formulate and solve recurrences and recursive functions
CO5	Apply the concept of combinatorics to solve basic problems in discrete mathematics

CO-PO Matrix

S.No.	CO/PO	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	3	2	2	2	1	-	-	-	-	2	-	2	2	2	2
2	CO2	A	2	3	2	2	1	-	-	-	-	2	-	2	2	2	2
3	CO3	A	3	3	3	2	2	-	-	-	-	2	-	2	2	2	2
4	CO4	A	3	3	3	2	2	-	-	-	-	2	-	2	2	2	2
5	CO5	A	3	3	3	2	2	-	-	-	-	2	-	2	2	2	2

(Please Fill up 'NA' in STATUS COLUMN if any CO is NOT APPLICABLE)

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for PU		
Semester: First	Name of the Faculty: Sanjay Shahi	Subject Code: KCA104

CO1	Use mathematical and logical notation to define and formally reason about basic discrete structures such as Sets, Relations and Functions
CO2	Apply mathematical arguments using logical connectives and quantifiers to check the validity of an argument through truth tables and propositional and predicate logic
CO3	Identify and prove properties of Algebraic Structures like Groups, Rings and Fields
CO4	Formulate and solve recurrences and recursive functions
CO5	Apply the concept of combinatorics to solve basic problems in discrete mathematics

S.No	SEC	Roll No	Student Name	Total Present Status	Internal CO marks	Out of	CO attained APPLICABLE			
							CO	AL:1	AL:2	AL:3
Distribution of Marks				61	50	50	50	<40%	>=40% & <60%	>=60%
1	A	2101650140001	ABHAY KUMAR	P	32	32	32	0	0	1
2	A	2101650140002	ABHISHEK JAYANT	P	44	44	44	0	0	1
3	A	2101650140003	ADITYA SRIVASTAVA	P	43	43	43	0	0	1
4	A	2101650140004	ALOK KUMAR	P	48	48	48	0	0	1
5	A	2101650140005	AMIT SONEE	P	38	38	38	0	0	1
6	A	2101650140006	ANKIT GUPTA	P	50	50	50	0	0	1
7	A	2101650140007	ANKIT KUMAR GUPTA	P	44	44	44	0	0	1
8	A	2101650140008	ANUJ KUMAR PAL	P	36	36	36	0	0	1
9	A	2101650140009	AVANISH YADAV	P	41	41	41	0	0	1
10	A	2101650140010	AVINASH KUMAR	P	48	48	48	0	0	1
11	A	2101650140011	AYUSH ASTHANA	P	42	42	42	0	0	1
12	A	2101650140012	AYUSHI DUBEY	P	39	39	39	0	0	1
13	A	2101650140013	AYUSHI TIWARI	P	49	49	49	0	0	1
14	A	2101650140014	CHARU KUMAR	P	40	40	40	0	0	1
15	A	2101650140015	DEEPALI SINGH	P	50	50	50	0	0	1
16	A	2101650140016	DEVANSHI MISHRA	P	49	49	49	0	0	1
17	A	2101650140017	DHEERAJ MISHRA	P	47	47	47	0	0	1
18	A	2101650140018	DIGESHWAR NATH TIWARI	P	46	46	46	0	0	1
19	A	2101650140019	DIVYANSHU VERMA	P	36	36	36	0	0	1
20	A	2101650140020	GAURAV DIXIT	P	49	49	49	0	0	1
21	A	2101650140021	GAURAV KUMAR YADAV	P	35	35	35	0	0	1
22	A	2101650140022	GAUTAM KUMAR THAKUR	P	50	50	50	0	0	1
23	A	2101650140023	HIMANSHU	P	46	46	46	0	0	1
24	A	2101650140024	HIMANSHU SHARMA	P	49	49	49	0	0	1
25	A	2101650140025	HIRA NAZ	P	46	46	46	0	0	1
26	A	2101650140026	KAMINI BAJPAI	P	48	48	48	0	0	1
27	A	2101650140027	LAXMI SHARMA	P	50	50	50	0	0	1
28	A	2101650140028	MITHILESH KUMAR PATEL	P	42	42	42	0	0	1
29	A	2101650140029	MO TARIK ANSARI	P	49	49	49	0	0	1
30	A	2101650140030	MOHD YAMEEN	P	44	44	44	0	0	1
31	A	2101650140031	MOHD SHAH FAIZ MANSOORI	P	49	49	49	0	0	1
32	A	2101650140032	MONEY SRIVASTAVA	P	34	34	34	0	0	1
33	A	2101650140033	NARENDRA TIWARI	P	46	46	46	0	0	1
34	A	2101650140034	NAVEEN KUMAR	P	45	45	45	0	0	1
35	A	2101650140035	NISHANT JAISWAL	P	43	43	43	0	0	1
36	A	2101650140036	NITIN KASHYAP	P	47	47	47	0	0	1
37	A	2101650140037	POOJA SINGH	P	50	50	50	0	0	1
38	A	2101650140038	PRADEEP KUMAR	P	49	49	49	0	0	1
39	A	2101650140039	PRAGESH YADAV	P	42	42	42	0	0	1
40	A	2101650140040	PRIYA SHAKYA	P	48	48	48	0	0	1
41	A	2101650140041	PRIYANKA GUPTA	P	42	42	42	0	0	1
42	A	2101650140042	PUSPENDRA SINGH PARIHAR	P	46	46	46	0	0	1
43	A	2101650140043	RAJAT SRIVASTAVA	P	45	45	45	0	0	1
44	A	2101650140045	RITESH SINGH	P	48	48	48	0	0	1
45	A	2101650140046	RIZWANA PARVEEN	P	50	50	50	0	0	1
46	A	2101650140047	ROHIT KUSHWAHA	P	49	49	49	0	0	1
47	A	2101650140048	SATYAM JAISWAL	P	50	50	50	0	0	1
48	A	2101650140049	SHANI MISHRA	P	45	45	45	0	0	1
49	A	2101650140050	SHASHANK GUPTA	P	49	49	49	0	0	1
50	A	2101650140051	SHASHWAT SHUKLA	P	38	38	38	0	0	1
51	A	2101650140052	SHIKHAR VERMA	P	44	44	44	0	0	1
52	A	2101650140053	SHIVAM KUMAR	P	22	22	22	0	1	0
53	A	2101650140054	SHIVAM SINGH	P	47	47	47	0	0	1
54	A	2101650140055	SHIVANI KUSHWAHA	P	46	46	46	0	0	1
55	A	2101650140056	SIDDHANT GUPTA	P	38	38	38	0	0	1
56	A	2101650140057	SUBRAT GUPTA	P	50	50	50	0	0	1
57	A	2101650140058	VIKASH KUMAR GUPTA	P	44	44	44	0	0	1
58	A	2101650140059	VINEET SHARMA	P	48	48	48	0	0	1
59	A	2101650140060	VIRAAT SHUKLA	P	46	46	46	0	0	1
60	A	2101650140061	VISHAL TRIVEDI	P	49	49	49	0	0	1
61	A	2101650140062	VIVEK	P	41	41	41	0	0	1
						Total	CO	0	1	60
						% Student		0	1.6393	98.36065574
						% CO attained		99.45		

Kanpur Institute of Technology, Kanpur	
Assessment Sheet for Feedback	
Semester: First	Name of the Faculty: Sanjay Shahi
Subject Code: KCA104	Subject Name: Discrete Mathematics

CO1	Use mathematical and logical notation to define and formally reason about basic discrete structures such as Sets, Relations and Functions
CO2	Apply mathematical arguments using logical connectives and quantifiers to check the validity of an argument through truth tables and propositional and predicate logic
CO3	Identify and prove properties of Algebraic Structures like Groups, Rings and Fields
CO4	Formulate and solve recurrences and recursive functions
CO5	Apply the concept of combinatorics to solve basic problems in discrete mathematics

Total Students	61

Course Outcomes					CO1 Feedback	CO2 Feedback	CO3 Feedback	CO4 feedback	CO5 feedback
CO1	CO2	CO3	CO4	CO5	APPLICABLE	APPLICABLE	APPLICABLE	APPLICABLE	APPLICABLE
A	A	A	A	A					
No of students in option1 (3)					27	35	36	32	34
No. of students for option2 (2)					27	22	19	20	21
No. of students in option3 (1)					6	3	6	9	5
No. of students in option4 (0)					1	1	0	0	1
					61	61	61	61	61

Kanpur Institute of Technology, Kanpur	
Assessment Sheet for UNIVERSITY	
Semester: First	Name of the Faculty: Sanjay Shahi
Subject Code: KCA104	Subject Name: Discrete Mathematics

CO1	Use mathematical and logical notation to define and formally reason about basic discrete structures such as Sets, Relations and Functions
CO2	Apply mathematical arguments using logical connectives and quantifiers to check the validity of an argument through truth tables and propositional and predicate logic
CO3	Identify and prove properties of Algebraic Structures like Groups, Rings and Fields
CO4	Formulate and solve recurrences and recursive functions
CO5	Apply the concept of combinatorics to solve basic problems in discrete mathematics

S.No	SEC	Roll No	Student Name	Total Present Status	From University	Out of	UNIVERSITY ATTAINTMENT APPLICABLE		
							AL:1	AL:2	AL:3
Distribution of Marks				61	100	100	<40%	>=40% & <60%	>=60%
1	A	2101650140001	ABHAY KUMAR	A	ABS	A	A	A	A
2	A	2101650140002	ABHISHEK JAYANT	P	30	30	1	0	0
3	A	2101650140003	ADITYA SRIVASTAVA	P	45	45	0	1	0
4	A	2101650140004	ALOK KUMAR	P	57	57	0	1	0
5	A	2101650140005	AMIT SONEE	P	12	12	1	0	0
6	A	2101650140006	ANKIT GUPTA	P	58	58	0	1	0
7	A	2101650140007	ANKIT KUMAR GUPTA	P	61	61	0	0	1
8	A	2101650140008	ANUJ KUMAR PAL	P	73	73	0	0	1
9	A	2101650140009	AVANISH YADAV	P	35	35	1	0	0
10	A	2101650140010	AVINASH KUMAR	P	73	73	0	0	1
11	A	2101650140011	AYUSH ASTHANA	P	77	77	0	0	1
12	A	2101650140012	AYUSHI DUBEY	P	55	55	0	1	0
13	A	2101650140013	AYUSHI TIWARI	P	64	64	0	0	1
14	A	2101650140014	CHARU KUMAR	P	59	59	0	1	0
15	A	2101650140015	DEEPALI SINGH	P	71	71	0	0	1
16	A	2101650140016	DEVANSHI MISHRA	P	50	50	0	1	0
17	A	2101650140017	DHEERAJ MISHRA	P	69	69	0	0	1
18	A	2101650140018	DIGESHWAR NATH TIWARI	P	49	49	0	1	0
19	A	2101650140019	DIVYANSHU VERMA	P	38	38	1	0	0
20	A	2101650140020	GAURAV DIXIT	P	62	62	0	0	1
21	A	2101650140021	GAURAV KUMAR YADAV	P	30	30	1	0	0
22	A	2101650140022	GAUTAM KUMAR THAKUR	P	82	82	0	0	1
23	A	2101650140023	HIMANSHU	P	58	58	0	1	0
24	A	2101650140024	HIMANSHU SHARMA	P	86	86	0	0	1
25	A	2101650140025	HIRA NAZ	P	80	80	0	0	1
26	A	2101650140026	KAMINI BAJPAI	P	73	73	0	0	1
27	A	2101650140027	LAXMI SHARMA	P	60	60	0	0	1
28	A	2101650140028	MITHILESH KUMAR PATEL	P	65	65	0	0	1
29	A	2101650140029	MO TARIK ANSARI	P	79	79	0	0	1
30	A	2101650140030	MOHD YAMEEN	P	71	71	0	0	1
31	A	2101650140031	MOHD SHAH FAIZ MANSOORI	P	58	58	0	1	0
32	A	2101650140032	MONEY SRIVASTAVA	P	62	62	0	0	1
33	A	2101650140033	NARENDRA TIWARI	P	73	73	0	0	1
34	A	2101650140034	NAVEEN KUMAR	P	63	63	0	0	1
35	A	2101650140035	NISHANT JAISWAL	P	59	59	0	1	0
36	A	2101650140036	NITIN KASHYAP	P	74	74	0	0	1
37	A	2101650140037	POOJA SINGH	P	78	78	0	0	1
38	A	2101650140038	PRADEEP KUMAR	P	53	53	0	1	0
39	A	2101650140039	PRAGESH YADAV	P	65	65	0	0	1
40	A	2101650140040	PRIYA SHAKYA	P	76	76	0	0	1
41	A	2101650140041	PRIYANKA GUPTA	P	73	73	0	0	1
42	A	2101650140042	PUSPENDRA SINGH PARIHAR	P	67	67	0	0	1
43	A	2101650140043	RAJAT SRIVASTAVA	P	53	53	0	1	0
44	A	2101650140045	RITESH SINGH	P	81	81	0	0	1
45	A	2101650140046	RIZWANA PARVEEN	P	68	68	0	0	1
46	A	2101650140047	ROHIT KUSHWAHA	P	68	68	0	0	1
47	A	2101650140048	SATYAM JAISWAL	P	86	86	0	0	1
48	A	2101650140049	SHANI MISHRA	P	36	36	1	0	0
49	A	2101650140050	SHASHANK GUPTA	P	71	71	0	0	1
50	A	2101650140051	SHASHWAT SHUKLA	P	90	90	0	0	1
51	A	2101650140052	SHIKHAR VERMA	P	67	67	0	0	1
52	A	2101650140053	SHIVAM KUMAR	P	15	15	1	0	0
53	A	2101650140054	SHIVAM SINGH	P	50	50	0	1	0
54	A	2101650140055	SHIVANI KUSHWAHA	P	52	52	0	1	0
55	A	2101650140056	SIDDHANT GUPTA	P	4	4	1	0	0
56	A	2101650140057	SUBRAT GUPTA	P	63	63	0	0	1
57	A	2101650140058	VIKASH KUMAR GUPTA	P	20	20	1	0	0
58	A	2101650140059	VINEET SHARMA	P	33	33	1	0	0
59	A	2101650140060	VIRAAT SHUKLA	P	47	47	0	1	0
60	A	2101650140061	VISHAL TRIVEDI	P	83	83	0	0	1
61	A	2101650140062	VIVEK	P	41	41	0	1	0
						Total	10	16	34
						% Student	16.39	26.23	55.74
						% CO attained	78.69		

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for CO Attainment		
Semester: First	Name of the Faculty: Sanjay Shahi	
Subject Code: KCA104	Total No. of Students: 61	Subject Name: Discrete Mathematics
CO1	Use mathematical and logical notation to define and formally reason about basicdiscrete structures such as Sets, Relations and Functions	
CO2	Apply mathematical arguments using logical connectives and quantifiers to check the validity of an argument through truth tables and propositional and predicate logic	
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CO4	Formulate and solve recurrences and recursive functions	
CO5	Apply the concept of combinatorics to solve basic problems in discrete mathematics	

Direct Assessment

S.No.	Exam	CO1	CO2	CO3	CO4	CO5
1	Internal	99.45	99.45	99.45	99.45	99.45
Average		99.45	99.45	99.45	99.45	99.45

Average % Students Attained Course Outcomes

S.N.	Course Outcome	TOTAL % STUDENT WHO ATTAINED OUTCOME (Internal)	TOTAL % STUDENT WHO ATTAINED OUTCOME (University)	TOTAL % STUDENT WHO ATTAINED OUTCOME (Indirect - Survey)	Goal
1	CO1	99.45	78.69	77.05	60
2	CO2	99.45	78.69	83.06	60
3	CO3	99.45	78.69	83.06	60
4	CO4	99.45	78.69	79.23	60
5	CO5	99.45	78.69	81.42	60
Average % Students Attained Course Outcomes		99.45	78.69	80.77	60.00

Weigtage of attainment level	
Direct Assessment	80%
Internal Assessment	60%
University Assessment	40%
Indirect Assessment	20%

% of students attained the outcome

Assessment Types	% of students attained CO1	% of students attained CO2	% of students attained CO3	% of students attained CO4	% of students attained CO5
Internal Assessment (I)	99.45	99.45	99.45	99.45	99.45
University Assessment (U)	78.69	78.69	78.69	78.69	78.69
Direct Assessment (DI) DI=0.6*I + 0.4* U	91.15	91.15	91.15	91.15	91.15
Indirect Assessment (ID)	77.05	83.06	83.06	79.23	81.42
Total = 0.8*DI + 0.2*ID	88.33	89.53	89.53	88.76	89.20

Attainment Level: Rationale

EE	Exceed Expectation	Attainment > 5% above the goal
ME	Meet Expectation	5% below the goal<=Attainment < 5% above the goal
BE	Below Expectation	Attainment <5% below the goal

Code	Description	Goal (%)	Attainment obtained	Attainment Level
EE	Attainment obtained > 58%	60.00	Attainment value > 63	3
ME	Attainment obtained between 52.% to 58%		57 <= Attainment value > 63	2
BE	Attainment obtained below 52%		Attainment value <57	1

% of students attained the outcome w.r.t attainment level

Assessment Types	% of students attained CO1	% of students attained CO2	% of students attained CO3	% of students attained CO4	% of students attained CO5
Internal Assessment (I)	3	3	3	3	3
University Assessment (U)	3	3	3	3	3
Direct Assessment (DI) DI=0.6*I + 0.4* U	3	3	3	3	3
Indirect Assessment (ID)	3	3	3	3	3
Total = 0.8*DI + 0.2*ID	3	3	3	3	3

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for Indirect Assesment		
Semester: First	Name of the Faculty: Sanjay Shahi	
Subject Code: KCA104	Total No. of Students: 61	Subject Name: Discrete Mathematics

CO1	Use mathematical and logical notation to define and formally reason about basic discrete structures such as Sets, Relations and Functions
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CO4	Formulate and solve recurrences and recursive functions
CO5	Apply the concept of combinatorics to solve basic problems in discrete mathematics

Indirect Survay Table

Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Students feedback Matrix					Total No. of Participants				0
S.No	Course Outcome	Total students participated in feedback	No of students in option1 (3)	No. of students for option2 (2)	No. of students in option3 (1)	No. of students in option4 (0)	Total Point	Total point attained	% Attained
1	CO1	61	27	27	6	1	183	141	77.05
2	CO2	61	35	22	3	1	183	152	83.06
3	CO3	61	36	19	6	0	183	152	83.06
4	CO4	61	32	20	9	0	183	145	79.23
5	CO5	61	34	21	5	5	183	149	81.42
Average % Students who Attained Course Outcomes									80.77

CO-PO Matrix

S.No.	CO/PO	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	3	2	2	2	1	-	-	-	-	2	-	2	2	2	2
2	CO2	A	2	3	2	2	1	-	-	-	-	2	-	2	2	2	2
3	CO3	A	3	3	3	2	2	-	-	-	-	2	-	2	2	2	2
4	CO4	A	3	3	3	2	2	-	-	-	-	2	-	2	2	2	2
5	CO5	A	3	3	3	2	2	-	-	-	-	2	-	2	2	2	2
Average PO			2.8	2.8	2.6	2	1.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2	#DIV/0!	2	2	2	2

Indirect Attainment of CO

S.No.	Exam	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	2.31	1.54	1.54	1.54	0.77					1.54		1.54	1.54	1.54	1.54
2	CO2	A	1.66	2.49	1.66	1.66	0.83					1.66		1.66	1.66	1.66	1.54
3	CO3	A	2.49	2.49	2.49	1.66	1.66					1.66		1.66	1.66	1.66	1.54
4	CO4	A	2.38	2.38	2.38	1.58	1.58					1.58		1.58	1.58	1.58	1.54
5	CO5	A	2.44	2.44	2.44	1.63	1.63					1.63		1.63	1.63	1.63	1.54
Average PO			2.26	2.27	2.10	1.62	1.30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.62	#DIV/0!	1.62	1.62	1.62	1.54

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for PO Attainment		
Semester: First	Name of the Faculty: Sanjay Shahi	
Subject Code: KCA104	Total No. of Students: 61	Subject Name: Discrete Mathematics

MAPPING OF COURSE OUTCOME WITH PROGRAM OUTCOMES/PROGRAM SPECIFIC OUTCOME

S.No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	3.00	2.00	2.00	2.00	1.00	-	-	-	-	2.00	-	2.00	2.00	2.00	2.00
2	CO2	2.00	3.00	2.00	2.00	1.00	-	-	-	-	2.00	-	2.00	2.00	2.00	2.00
3	CO3	3.00	3.00	3.00	2.00	2.00	-	-	-	-	2.00	-	2.00	2.00	2.00	2.00
4	CO4	3.00	3.00	3.00	2.00	2.00	-	-	-	-	2.00	-	2.00	2.00	2.00	2.00
5	CO5	3.00	3.00	3.00	2.00	2.00	-	-	-	-	2.00	-	2.00	2.00	2.00	2.00
Average CO		2.80	2.80	2.60	2.00	1.60	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2.00	#DIV/0!	2.00	2.00	2.00	2.00

Direct Assessment (Internal + University)

S.No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	% of students attained CO
1	CO1	2.73	1.82	1.82	1.82	0.91					1.82		1.82	1.82	1.82	1.82	91.15
2	CO2	1.82	2.73	1.82	1.82	0.91					1.82		1.82	1.82	1.82	1.82	91.15
3	CO3	2.73	2.73	2.73	1.82	1.82					1.82		1.82	1.82	1.82	1.82	91.15
4	CO4	2.73	2.73	2.73	1.82	1.82					1.82		1.82	1.82	1.82	1.82	91.15
5	CO5	2.73	2.73	2.73	1.82	1.82					1.82		1.82	1.82	1.82	1.82	91.15
Average PO		2.55	2.55	2.37	1.82	1.46					1.82		1.82	1.82	1.82	1.82	91.15

Indirect Attainment of CO

S.No.	Exam	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	% of student Indirect Attained
1	CO1	2.31	1.54	1.54	1.54	0.77					1.54		1.54	1.54	1.54	1.54	77.05
2	CO2	1.66	2.49	1.66	1.66	0.83					1.66		1.66	1.66	1.66	1.54	83.06
3	CO3	2.49	2.49	2.49	1.66	1.66					1.66		1.66	1.66	1.66	1.54	83.06
4	CO4	2.38	2.38	2.38	1.58	1.58					1.58		1.58	1.58	1.58	1.54	79.23
5	CO5	2.44	2.44	2.44	1.63	1.63					1.63		1.63	1.63	1.63	1.54	81.42
Average PO		2.26	2.27	2.10	1.62	1.30					1.62		1.62	1.62	1.62	1.54	80.77

PO Attainment

Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Direct(D)	2.55	2.55	2.37	1.82	1.46					1.82		1.82	1.82	1.82	1.82
Indirect(I)	2.26	2.27	2.10	1.62	1.30					1.62		1.62	1.62	1.62	1.54
Total=.8*D+0.2*I	2.49	2.49	2.32	1.78	1.43					1.78		1.78	1.78	1.78	1.76

Kanpur Institute of Technology, Kanpur				VALUE
Feedback				
Semester: First	Name of the Faculty: Sanjay Shahi			
Subject Code: KCA104	Total No. of Students: 61		Subject Name: Discrete Mathematics	
CO1	Use mathematical and logical notation to define and formally reason about basic discrete structures such as Sets, Relations and Functions			To be filled by students
CO2	Apply mathematical arguments using logical connectives and quantifiers to check the validity of an argument through truth tables and propositional and predicate logic			To be filled by students
CO3	Identify and prove properties of Algebraic Structures like Groups, Rings and Fields			To be filled by students
CO4	Formulate and solve recurrences and recursive functions			To be filled by students
CO5	Apply the concept of combinatorics to solve basic problems in discrete mathematics			To be filled by students

Indirect Survay Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Name & Signature of the Student

Kanpur Institute of Technology, Kanpur				VALUE
Feedback				
Semester: First	Name of the Faculty: Sanjay Shahi			
Subject Code: KCA104	Total No. of Students: 61		Subject Name: Discrete Mathematics	
CO1	Use mathematical and logical notation to define and formally reason about basic discrete structures such as Sets, Relations and Functions			To be filled by students
CO2	Apply mathematical arguments using logical connectives and quantifiers to check the validity of an argument through truth tables and propositional and predicate logic			To be filled by students
CO3	Identify and prove properties of Algebraic Structures like Groups, Rings and Fields			To be filled by students
CO4	Formulate and solve recurrences and recursive functions			To be filled by students
CO5	Apply the concept of combinatorics to solve basic problems in discrete mathematics			To be filled by students

Indirect Survay Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Name & Signature of the Student

Kanpur Institute of Technology, Kanpur		
Common Data Input Sheet		
Semester: Second	Name of the Faculty: Sanjay Shahi	
Subject Code: KCAA01	Total No. of Students: 58	Subject Name: Cyber Security

CO DESCRIPTION TABLE	
CO LIST	DESCRIPTION
CO1	Identify and analyze nature & inherent difficulties in the security of the Information System.
CO2	Analyze various threats and attacks, corresponding counter measures and various vulnerability assessment and security techniques in an organization.
CO3	Applications of cyber based policies and use of IPR and patent law for software-based design. Define E-commerce types and threats to E-commerce.
CO4	Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance.
CO5	NA

CO-PO Matrix																	
S.No.	CO/PO	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	3	2	2	2	1	-	-	-	-	2	-	2	2	2	2
2	CO2	A	2	3	2	2	1	-	-	-	-	2	-	2	2	2	2
3	CO3	A	3	3	3	2	2	-	-	-	-	2	-	2	2	2	2
4	CO4	A	3	3	3	2	2		-	-	-	2	-	2	2	2	2
5	CO5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(Please Fill up 'NA' in STATUS COLUMN if any CO is NOT APPLICABLE)

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for PU		
Semester: Second	Name of the Faculty: Sanjay Shahi	Subject Code: KCAA01

CO1	Identify and analyze nature & inherent difficulties in the security of theInformation System.
CO2	Analyze various threats and attacks, corresponding counter measures and various vulnerability assessment and security techniques in an organization.
CO3	Applications of cyber based policies and use of IPR and patent law for software-based design. Define E-commerce types and threats to E-commerce.
CO4	Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance.
CO5	NA

S.No	SEC	Roll No	Student Name	Total Present Status	Internal CO marks	Out of	CO attained APPLICABLE			
							CO	AL:1	AL:2	AL:3
Distribution of Marks				58	50	50	50	<40%	>=40% & <60%	>=60%
1	A	2101650140002	ABHISHEK JAYANT	P	**47**	47	47	0	0	1
2	A	2101650140003	ADITYA SRIVASTAVA	P	40	40	40	0	0	1
3	A	2101650140004	ALOK KUMAR	P	49	49	49	0	0	1
4	A	2101650140005	AMIT SONEE	P	44	44	44	0	0	1
5	A	2101650140006	ANKIT GUPTA	P	50	50	50	0	0	1
6	A	2101650140007	ANKIT KUMAR GUPTA	P	39	39	39	0	0	1
7	A	2101650140008	ANUJ KUMAR PAL	P	48	48	48	0	0	1
8	A	2101650140009	AVANISH YADAV	P	43	43	43	0	0	1
9	A	2101650140010	AVINASH KUMAR	P	50	50	50	0	0	1
10	A	2101650140011	AYUSH ASTHANA	P	41	41	41	0	0	1
11	A	2101650140012	AYUSHI DUBEY	P	49	49	49	0	0	1
12	A	2101650140013	AYUSHI TIWARI	P	48	48	48	0	0	1
13	A	2101650140014	CHARU KUMAR	P	37	37	37	0	0	1
14	A	2101650140015	DEEPALI SINGH	P	50	50	50	0	0	1
15	A	2101650140016	DEVANSHI MISHRA	P	50	50	50	0	0	1
16	A	2101650140017	DHEERAJ MISHRA	P	50	50	50	0	0	1
17	A	2101650140018	DIGESHWAR NATH TIWARI	P	49	49	49	0	0	1
18	A	2101650140019	DIVYANSHU VERMA	P	37	37	37	0	0	1
19	A	2101650140020	GAURAV DIXIT	P	50	50	50	0	0	1
20	A	2101650140021	GAURAV KUMAR YADAV	P	37	37	37	0	0	1
21	A	2101650140022	GAUTAM KUMAR THAKUR	P	50	50	50	0	0	1
22	A	2101650140023	HIMANSHU	P	38	38	38	0	0	1
23	A	2101650140024	HIMANSHU SHARMA	P	49	49	49	0	0	1
24	A	2101650140025	HIRA NAZ	P	50	50	50	0	0	1
25	A	2101650140026	KAMINI BAJPAI	P	48	48	48	0	0	1
26	A	2101650140027	LAXMI SHARMA	P	49	49	49	0	0	1
27	A	2101650140028	MITHILESH KUMAR PATEL	P	39	39	39	0	0	1
28	A	2101650140029	MO TARIK ANSARI	P	50	50	50	0	0	1
29	A	2101650140030	MOHD YAMEEN	P	49	49	49	0	0	1
30	A	2101650140031	MOHD SHAH FAIZ MANSOORI	P	50	50	50	0	0	1
31	A	2101650140032	MONEY SRIVASTAVA	P	44	44	44	0	0	1
32	A	2101650140033	NARENDRA TIWARI	P	50	50	50	0	0	1
33	A	2101650140034	NAVEEN KUMAR	P	45	45	45	0	0	1
34	A	2101650140035	NISHANT JAISWAL	P	21	21	21	0	1	0
35	A	2101650140036	NITIN KASHYAP	P	49	49	49	0	0	1
36	A	2101650140037	POOJA SINGH	P	50	50	50	0	0	1
37	A	2101650140038	PRADEEP KUMAR	P	50	50	50	0	0	1
38	A	2101650140039	PRAGESH YADAV	P	48	48	48	0	0	1
39	A	2101650140040	PRIYA SHAKYA	P	49	49	49	0	0	1
40	A	2101650140041	PRIYANKA GUPTA	P	47	47	47	0	0	1
41	A	2101650140042	PUSPENDRA SINGH PARIHAR	P	48	48	48	0	0	1
42	A	2101650140043	RAJAT SRIVASTAVA	P	50	50	50	0	0	1
43	A	2101650140045	RITESH SINGH	P	50	50	50	0	0	1
44	A	2101650140046	RIZWANA PARVEEN	P	49	49	49	0	0	1
45	A	2101650140047	ROHIT KUSHWAHA	P	49	49	49	0	0	1
46	A	2101650140048	SATYAM JAISWAL	P	49	49	49	0	0	1
47	A	2101650140049	SHANI MISHRA	P	37	37	37	0	0	1
48	A	2101650140050	SHASHANK GUPTA	P	50	50	50	0	0	1
49	A	2101650140052	SHIKHAR VERMA	P	44	44	44	0	0	1
50	A	2101650140053	SHIVAM KUMAR	P	47	47	47	0	0	1
51	A	2101650140054	SHIVAM SINGH	P	42	42	42	0	0	1
52	A	2101650140055	SHIVANI KUSHWAHA	P	50	50	50	0	0	1
53	A	2101650140057	SUBRAT GUPTA	P	50	50	50	0	0	1
54	A	2101650140058	VIKASH KUMAR GUPTA	P	50	50	50	0	0	1
55	A	2101650140059	VINEET SHARMA	P	50	50	50	0	0	1
56	A	2101650140060	VIRAAT SHUKLA	P	47	47	47	0	0	1
57	A	2101650140061	VISHAL TRIVEDI	P	48	48	48	0	0	1
58	A	2101650140062	VIVEK	P	47	47	47	0	0	1
						Total	CO	**0**	**1**	**57**
						% Student		**0**	**1.7241**	**98.27586207**
						% CO attained		**99.43**		

Kanpur Institute of Technology, Kanpur	
Assessment Sheet for Feedback	
Semester: Second	Name of the Faculty: Sanjay Shahi
Subject Code: KCAA01	Subject Name: Cyber Security

CO1	Identify and analyze nature & inherent difficulties in the security of the Information System.
CO2	Analyze various threats and attacks, corresponding counter measures and various vulnerability assessment and security techniques in an organization.
CO3	Applications of cyber based policies and use of IPR and patent law for software-based design. Define E-commerce types and threats to E-commerce.
CO4	Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance.
CO5	NA

Total Students	58

Course Outcomes					CO1 Feedback	CO2 Feedback	CO3 Feedback	CO4 feedback	CO5 feedback
CO1	CO2	CO3	CO4	CO5	APPLICABLE	APPLICABLE	APPLICABLE	APPLICABLE	NOT APPLICABLE
A	A	A	A	NA					
No of students in option1 (3)					25	33	34	30	0
No. of students for option2 (2)					25	20	17	18	0
No. of students in option3 (1)					6	3	7	10	0
No. of students in option4 (0)					2	2	0	0	0
					58	58	58	58	0

Kanpur Institute of Technology, Kanpur	
Assessment Sheet for UNIVERSITY	
Semester: Second	Name of the Faculty: Sanjay Shahi
Subject Code: KCAA01	Subject Name: Cyber Security
CO1	Identify and analyze nature & inherent difficulties in the security of the Information System.
CO2	Analyze various threats and attacks, corresponding counter measures and various vulnerability assessment and security techniques in an organization.
CO3	Applications of cyber based policies and use of IPR and patent law for software-based design. Define E-commerce types and threats to E-commerce.
CO4	Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance.
CO5	NA

S.No	SEC	Roll No	Student Name	Total Present Status	From University	Out of	UNIVERSITY ATTAINTMENT APPLICABLE		
							AL:1	AL:2	AL:3
Distribution of Marks				58	100	100	<40%	>=40% & <60%	>=60%
1	A	2101650140002	ABHISHEK JAYANT	P	**41**	41	0	1	0
2	A	2101650140003	ADITYA SRIVASTAVA	P	53	53	0	1	0
3	A	2101650140004	ALOK KUMAR	P	67	67	0	0	1
4	A	2101650140005	AMIT SONEE	P	36	36	1	0	0
5	A	2101650140006	ANKIT GUPTA	P	71	71	0	0	1
6	A	2101650140007	ANKIT KUMAR GUPTA	P	75	75	0	0	1
7	A	2101650140008	ANUJ KUMAR PAL	P	51	51	0	1	0
8	A	2101650140009	AVANISH YADAV	P	39	39	1	0	0
9	A	2101650140010	AVINASH KUMAR	P	60	60	0	0	1
10	A	2101650140011	AYUSH ASTHANA	P	62	62	0	0	1
11	A	2101650140012	AYUSHI DUBEY	P	44	44	0	1	0
12	A	2101650140013	AYUSHI TIWARI	P	49	49	0	1	0
13	A	2101650140014	CHARU KUMAR	P	39	39	1	0	0
14	A	2101650140015	DEEPALI SINGH	P	62	62	0	0	1
15	A	2101650140016	DEVANSHI MISHRA	P	76	76	0	0	1
16	A	2101650140017	DHEERAJ MISHRA	P	72	72	0	0	1
17	A	2101650140018	DIGESHWAR NATH TIWARI	P	49	49	0	1	0
18	A	2101650140019	DIVYANSHU VERMA	P	63	63	0	0	1
19	A	2101650140020	GAURAV DIXIT	P	54	54	0	1	0
20	A	2101650140021	GAURAV KUMAR YADAV	P	50	50	0	1	0
21	A	2101650140022	GAUTAM KUMAR THAKUR	P	60	60	0	0	1
22	A	2101650140023	HIMANSHU	P	74	74	0	0	1
23	A	2101650140024	HIMANSHU SHARMA	P	68	68	0	0	1
24	A	2101650140025	HIRA NAZ	P	49	49	0	1	0
25	A	2101650140026	KAMINI BAJPAI	P	52	52	0	1	0
26	A	2101650140027	LAXMI SHARMA	P	60	60	0	0	1
27	A	2101650140028	MITHILESH KUMAR PATEL	P	31	31	1	0	0
28	A	2101650140029	MO TARIK ANSARI	P	62	62	0	0	1
29	A	2101650140030	MOHD YAMEEN	P	72	72	0	0	1
30	A	2101650140031	MOHD SHAH FAIZ MANSOORI	P	68	68	0	0	1
31	A	2101650140032	MONEY SRIVASTAVA	P	62	62	0	0	1
32	A	2101650140033	NARENDRA TIWARI	P	50	50	0	1	0
33	A	2101650140034	NAVEEN KUMAR	P	48	48	0	1	0
34	A	2101650140035	NISHANT JAISWAL	A	ABS	A	A	A	A
35	A	2101650140036	NITIN KASHYAP	P	55	55	0	1	0
36	A	2101650140037	POOJA SINGH	P	64	64	0	0	1
37	A	2101650140038	PRADEEP KUMAR	P	55	55	0	1	0
38	A	2101650140039	PRAGESH YADAV	P	61	61	0	0	1
39	A	2101650140040	PRIYA SHAKYA	P	42	42	0	1	0
40	A	2101650140041	PRIYANKA GUPTA	P	41	41	0	1	0
41	A	2101650140042	PUSPENDRA SINGH PARIHAR	P	44	44	0	1	0
42	A	2101650140043	RAJAT SRIVASTAVA	P	39	39	1	0	0
43	A	2101650140045	RITESH SINGH	P	43	43	0	1	0
44	A	2101650140046	RIZWANA PARVEEN	P	76	76	0	0	1
45	A	2101650140047	ROHIT KUSHWAHA	P	71	71	0	0	1
46	A	2101650140048	SATYAM JAISWAL	P	63	63	0	0	1
47	A	2101650140049	SHANI MISHRA	P	48	48	0	1	0
48	A	2101650140050	SHASHANK GUPTA	P	55	55	0	1	0
49	A	2101650140052	SHIKHAR VERMA	P	44	44	0	1	0
50	A	2101650140053	SHIVAM KUMAR	P	43	43	0	1	0
51	A	2101650140054	SHIVAM SINGH	P	62	62	0	0	1
52	A	2101650140055	SHIVANI KUSHWAHA	P	34	34	1	0	0
53	A	2101650140057	SUBRAT GUPTA	P	69	69	0	0	1
54	A	2101650140058	VIKASH KUMAR GUPTA	P	69	69	0	0	1
55	A	2101650140059	VINEET SHARMA	P	61	61	0	0	1
56	A	2101650140060	VIRAAT SHUKLA	P	65	65	0	0	1
57	A	2101650140061	VISHAL TRIVEDI	P	59	59	0	1	0
58	A	2101650140062	VIVEK	P	46	46	0	1	0
						Total	**6**	**24**	**27**
						% Student	**10.34**	**41.38**	**46.55**
						% CO attained	**77.58**		

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for CO Attainment		
Semester: Second	Name of the Faculty: Sanjay Shahi	
Subject Code: KCAA01	Total No. of Students: 58	Subject Name: Cyber Security
CO1	Identify and analyze nature & inherent difficulties in the security of theInformation System.	
CO2	Analyze various threats and attacks, corresponding counter measures and various vulnerability assessment and security techniques in an organization.	
CO3	Applications of cyber based policies and use of IPR and patent law for software-based design. Define E-commerce types and threats to E-commerce.	
CO4	Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance.	
CO5	NA	

Direct Assessment						
S.No.	Exam	CO1	CO2	CO3	CO4	CO5
1	Internal	99.43	99.43	99.43	99.43	99.43
Average		99.43	99.43	99.43	99.43	99.43

Average % Students Attained Course Outcomes					
S.N.	Course Outcome	TOTAL % STUDENT WHO ATTAINED OUTCOME (Internal)	TOTAL % STUDENT WHO ATTAINED OUTCOME (University)	TOTAL % STUDENT WHO ATTAINED OUTCOME (Indirect - Survey)	Goal
1	CO1	99.43	77.58	75.29	60
2	CO2	99.43	77.58	81.61	60
3	CO3	99.43	77.58	82.18	60
4	CO4	99.43	77.58	78.16	60
5	CO5	99.43	77.58	NA	60
Average % Students Attained Course Outcomes		99.43	77.58	79.31	60.00

Weigtage of attainment level	
Direct Assessment	80%
Internal Assessment	60%
University Assessment	40%
Indirect Assessment	20%

% of students attained the outcome					
Assessment Types	% of students attained CO1	% of students attained CO2	% of students attained CO3	% of students attained CO4	% of students attained CO5
Internal Assessment (I)	99.43	99.43	99.43	99.43	99.43
University Assessment (U)	77.58	77.58	77.58	77.58	77.58
Direct Assessment (DI) DI=0.6*I + 0.4* U	90.69	90.69	90.69	90.69	90.69
Indirect Assessment (ID)	75.29	81.61	82.18	78.16	NA
Total = 0.8*DI + 0.2*ID	87.61	88.87	88.99	88.18	#VALUE!

Attainment Level: Rationale				
EE	Exceed Expectation	Attainment > 5% above the goal		
ME	Meet Expectation	5% below the goal<=Attainment < 5% above the goal		
BE	Below Expectation	Attainment <5% below the goal		
Code	Description	Goal (%)	Attainment obtained	Attainment Level
EE	Attainment obtained > 58%	60.00	Attainment value > 63	3
ME	Attainment obtained between 52.% to 58%		57 <= Attainment value > 63	2
BE	Attainment obtained below 52%		Attainment value <57	1

% of students attained the outcome w.r.t attainment level					
Assessment Types	% of students attained CO1	% of students attained CO2	% of students attained CO3	% of students attained CO4	% of students attained CO5
Internal Assessment (I)	3	3	3	3	3
University Assessment (U)	3	3	3	3	3
Direct Assessment (DI) DI=0.6*I + 0.4* U	3	3	3	3	3
Indirect Assessment (ID)	3	3	3	3	3
Total = 0.8*DI + 0.2*ID	3	3	3	3	3

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for Indirect Assesment		
Semester: Second	Name of the Faculty: Sanjay Shahi	
Subject Code: KCAA01	Total No. of Students: 58	Subject Name: Cyber Security

CO1	Identify and analyze nature & inherent difficulties in the security of the Information System.
CO2	Analyze various threats and attacks, corresponding counter measures and various vulnerability assessment and security techniques in an organization.
CO3	Applications of cyber based policies and use of IPR and patent law for software-based design. Define E-commerce types and threats to E-commerce.
CO4	Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance.
CO5	NA

Indirect Survay Table

Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Students feedback Matrix					Total No. of Participants				0
S.No	Course Outcome	Total students participated in feedback	No of students in option1 (3)	No. of students for option2 (2)	No. of students in option3 (1)	No. of students in option4 (0)	Total Point	Total point attained	% Attained
1	CO1	58	25	25	6	2	174	131	75.29
2	CO2	58	33	20	3	2	174	142	81.61
3	CO3	58	34	17	7	0	174	143	82.18
4	CO4	58	30	18	10	0	174	136	78.16
5	CO5	NA	0	0	0	0	NA	NA	NA
Average % Students who Attained Course Outcomes									79.31

CO-PO Matrix

S.No.	CO/PO	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	3	2	2	2	1	-	-	-	-	2	-	2	2	2	2
2	CO2	A	2	3	2	2	1	-	-	-	-	2	-	2	2	2	2
3	CO3	A	3	3	3	2	2	-	-	-	-	2	-	2	2	2	2
4	CO4	A	3	3	3	2	2		-	-	-	2	-	2	2	2	2
5	CO5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average PO			2.75	2.75	2.5	2	1.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2	#DIV/0!	2	2	2	2

Indirect Attainment of CO

S.No.	Exam	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	2.26	1.51	1.51	1.51	0.75					1.51		1.51	1.51	1.51	1.51
2	CO2	A	1.63	2.45	1.63	1.63	0.82					1.63		1.63	1.63	1.63	1.51
3	CO3	A	2.47	2.47	2.47	1.64	1.64					1.64		1.64	1.64	1.64	1.51
4	CO4	A	2.34	2.34	2.34	1.56	1.56					1.56		1.56	1.56	1.56	1.51
5	CO5	NA															
Average PO			2.18	2.19	1.99	1.59	1.19	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.59	#DIV/0!	1.59	1.59	1.59	1.51

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for PO Attainment		
Semester: Second	Name of the Faculty: Sanjay Shahi	
Subject Code: KCAA01	Total No. of Students: 58	Subject Name: Cyber Security

MAPPING OF COURSE OUTCOME WITH PROGRAM OUTCOMES/PROGRAM SPECIFIC OUTCOME

S.No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	3.00	2.00	2.00	2.00	1.00	-	-	-	-	2.00	-	2.00	2.00	2.00	2.00
2	CO2	2.00	3.00	2.00	2.00	1.00	-	-	-	-	2.00	-	2.00	2.00	2.00	2.00
3	CO3	3.00	3.00	3.00	2.00	2.00	-	-	-	-	2.00	-	2.00	2.00	2.00	2.00
4	CO4	3.00	3.00	3.00	2.00	2.00		-	-	-	2.00	-	2.00	2.00	2.00	2.00
5	CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average CO		2.75	2.75	2.50	2.00	1.50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2.00	#DIV/0!	2.00	2.00	2.00	2.00

Direct Assessment (Internal + University)

S.No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	% of students attained CO
1	CO1	2.72	1.81	1.81	1.81	0.91					1.81		1.81	1.81	1.81	1.81	90.69
2	CO2	1.81	2.72	1.81	1.81	0.91					1.81		1.81	1.81	1.81	1.81	90.69
3	CO3	2.72	2.72	2.72	1.81	1.81					1.81		1.81	1.81	1.81	1.81	90.69
4	CO4	2.72	2.72	2.72	1.81	1.81					1.81		1.81	1.81	1.81	1.81	90.69
5	CO5																90.69
Average PO		2.49	2.49	2.27	1.81	1.36					1.81		1.81	1.81	1.81	1.81	90.69

Indirect Attainment of CO

S.No.	Exam	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	% of student Indirect Attained
1	CO1	2.26	1.51	1.51	1.51	0.75					1.51		1.51	1.51	1.51	1.51	75.29
2	CO2	1.63	2.45	1.63	1.63	0.82					1.63		1.63	1.63	1.63	1.51	81.61
3	CO3	2.47	2.47	2.47	1.64	1.64					1.64		1.64	1.64	1.64	1.51	82.18
4	CO4	2.34	2.34	2.34	1.56	1.56					1.56		1.56	1.56	1.56	1.51	78.16
5	CO5																NA
Average PO		2.18	2.19	1.99	1.59	1.19					1.59		1.59	1.59	1.59	1.51	79.31

PO Attainment

Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Direct(D)	2.49	2.49	2.27	1.81	1.36					1.81		1.81	1.81	1.81	1.81
Indirect(I)	2.18	2.19	1.99	1.59	1.19					1.59		1.59	1.59	1.59	1.51
Total=.8*D+0.2*I	2.43	2.43	2.21	1.77	1.33					1.77		1.77	1.77	1.77	1.75

Kanpur Institute of Technology, Kanpur				VALUE
Feedback				
Semester: Second	Name of the Faculty: Sanjay Shahi			
Subject Code: KCAA01	Total No. of Students: 58		Subject Name: Cyber Security	
CO1	Identify and analyze nature & inherent difficulties in the security of the Information System.			To be filled by students
CO2	Analyze various threats and attacks, corresponding counter measures and various vulnerability assessment and security techniques in an organization.			To be filled by students
CO3	Applications of cyber based policies and use of IPR and patent law for software-based design. Define E-commerce types and threats to E-commerce.			To be filled by students
CO4	Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance.			To be filled by students
CO5	NA			To be filled by students

Indirect Survay Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Name & Signature of the Student

Kanpur Institute of Technology, Kanpur				VALUE
Feedback				
Semester: Second	Name of the Faculty: Sanjay Shahi			
Subject Code: KCAA01	Total No. of Students: 58		Subject Name: Cyber Security	
CO1	Identify and analyze nature & inherent difficulties in the security of the Information System.			To be filled by students
CO2	Analyze various threats and attacks, corresponding counter measures and various vulnerability assessment and security techniques in an organization.			To be filled by students
CO3	Applications of cyber based policies and use of IPR and patent law for software-based design. Define E-commerce types and threats to E-commerce.			To be filled by students
CO4	Explain concepts and theories of networking and apply them to various situations, classifying networks, analyzing performance.			To be filled by students
CO5	NA			To be filled by students

Indirect Survay Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Name & Signature of the Student