



**CO – PO Attainment for the Course Data Science and Machine Learning - MGT 351-
BBA BA Program**

Course Outcomes (Security Analysis)		
CO No	BT Level	Course Outcome
C01	1	Understand the Data Science and its application.
C02	3	Interpret the process and components of Data Science
C03	2	Use different software tools in Data Science
C04	4	Analyze different Machine Learning techniques
C05	5	Evaluate different phases in Data Science Project Management phases

CO – PO Mapping for the Course:

Course Evaluation Matrix								
SN	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7
1	CO 1	1	2	1	1	3	2	2
2	CO 2	1	1	2	2	3	1	1
3	CO 3	2	3	2	2	1	2	1
4	CO 4	2	1	1	1	2	1	2
5	CO 5	2	3	2	2	2	3	3
Average		1.6	2	1.6	1.6	2.2	1.8	1.8
Round off		2	2	2	2	2	2	2

Program Specific Outcomes:

Program Specific Outcomes
PSO1. To identify Business Opportunities for Data-Driven Solutions
PSO2. To communicate technical information and analysis results to people both with and without Technical Backgrounds.
PSO3. To outline practical applications of data in retrieving valuable information in organization
PSO4. To demonstrate proficiency in Data Analysis methods and in Data Analytical Tools





PSO5. To develop conceptual and analytical abilities required for effective decision making.

CO-PSO Mapping:

Course Evaluation Matrix						
SN	Course Outcome	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
1	CO 1	1	1	3	2	1
2	CO 2	2	1	1	1	1
3	CO 3	1	2	3	2	2
4	CO 4	2	2	2	3	3
5	CO 5	2	2	3	3	3
Average		1.6	1.6	2.4	2.2	2
Round off		2	2	2	2	2



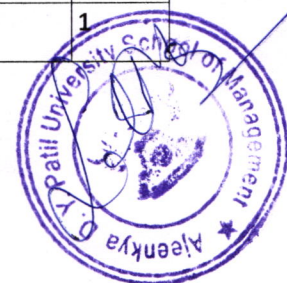


Course Assessment Marks

Assessment Type	CA 1	CA 2	CA3	Attendance	End Term
Sub Question					
CO Attained	CO1	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4,CO5
Maximum Marks	20	10	20	10	40
Weightage of Marks for Each CO					
Criteria Marks	16.43	7.71	19.14	7.57	21.57

S. No	Name of Student	URN	Marks Obtained				
1	Faizan Memon	2020-B-09042000	15	7	19	8	18
2	Mehul Jongra	2020-B-31012001	18	8	20	9	30
3	Mihir Deshpande	2020-B-24032002	18	9	20	8	38
4	Mohnish Dokrimare	2020-B-27062001A	18	9	20	9	38
5	Roshan Mahajan	2020-B-14042003	15	7	19	8	17
7	Sachin Dev	2020-B-29082002C	15	7	17	3	5
8	Siddharth Pansare	2020-B-14092000	16	7	19	8	5

Total no of students securing more than 60%	3	3	3	6	3
Total no of students attempted the que	7	7	7	7	7
Percentage Attainment	42.86%	42.86%	42.86%	85.71%	42.86%
CO1 Mapping	1			3	1
CO2 Mapping		1		3	1
CO3 Mapping			1	3	1
CO4 Mapping				3	1





CO5 Mapping

3

1

Course End Survey Analysis

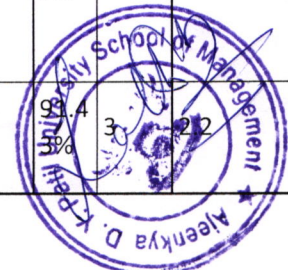
Course Exit Survey							
EVEN Term – Data Science and Machine Learning - 2022-23							
S. No	Name of Student	URN	CO1	CO2	CO3	CO4	CO5
1	Faizan Memon	2020-B-09042000	4	3	4	4	5
2	Mehul Jongra	2020-B-31012001	5	4	4	5	5
3	Mihir Deshpande	2020-B-24032002	5	5	5	4	5
4	Mohnish Dokrimare	2020-B-27062001A	5	5	5	5	5
5	Roshan Mahajan	2020-B-14042003	5	4	4	5	4
6	Sachin Dev	2020-B-29082002C	4	3	4	4	4
7	Siddharth Pansare	2020-B-14092000	4	4	4	4	4
Average			4.57	4.00	4.29	4.43	4.57
Count			7	7	7	7	7
Percentage			91.43%	80.00%	85.71%	88.57%	91.43%
Mapping			3	3	3	3	3





Course Attainment Analysis

CO Attainment				Direct Attainment (DA) (80%)							Indirect Attainment (IA) (20%)		Total CO Attainment (80% DA + 20% IA)	
				In Term Evaluation (IT) (50%)				End Term Evaluation (ET) (50%)			Total (50% IT + 50% ET)	Course exit survey		Average Mapping
Course CO	CO with Statement	BT level	Assessment Tools	CA 1	CA 2	CA 3	Attendance	Average Mapping	End Term	Average Mapping				
CO 1	Understand the Data Science and its application	1		42.86%			85.71%	3	42.86%	1	2	91.43%	3	2.2
CO 2	Interpret the process and components of Data Science	3			42.86%		85.71%	3	42.86%	1	2	80.00%	3	2.2
CO 3	Use different software tools in Data Science	2				42.86%	85.71%	3	42.86%	1	2	85.71%	3	2.2
CO 4	Analyze different Machine Learning techniques	4					85.71%	3	42.86%	1	2	88.57%	3	2.2
CO 5	Evaluate different phases in	5					85.71%	3	42.86%	1	2		3	2.2





Data Science Project Management phases														
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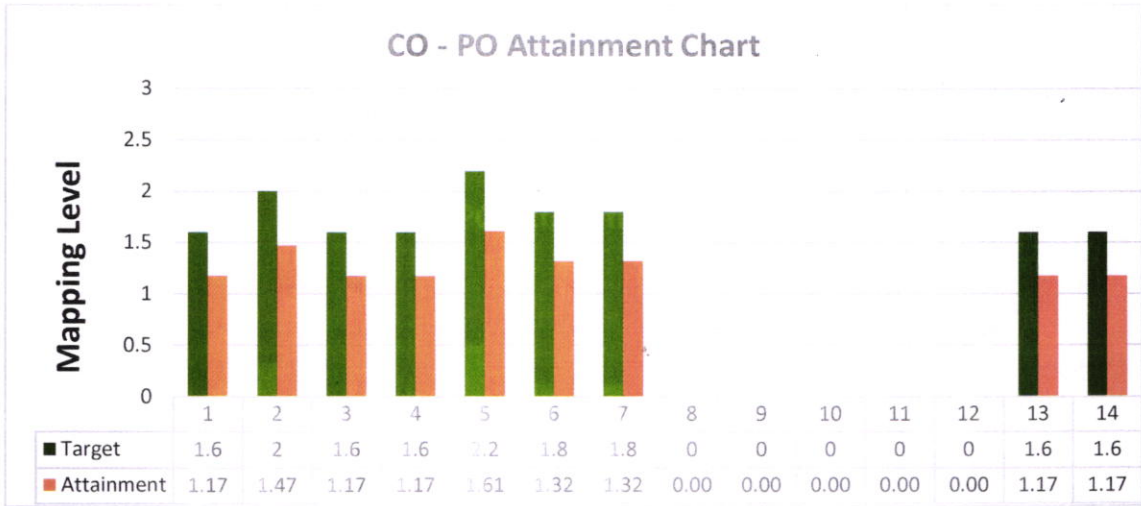
Attainment Levels

PO Attainment														
	PO1	Att.	PO2	Att.	PO3	Att.	PO4	Att.	PO5	Att.	PO6	Att.	PO7	Att.
1	0.73	2	1.47	1	0.73	1	0.73	3	2.2	2	1.47	2	1.47	
1	0.73	1	0.73	2	1.47	2	1.47	3	2.2	1	0.73	1	0.73	
2	1.47	3	2.2	2	1.47	2	1.47	1	0.73	2	1.47	1	0.73	
2	1.47	1	0.73	1	0.73	1	0.73	2	1.47	1	0.73	2	1.47	
2	1.47	3	2.2	2	1.47	2	1.47	2	1.47	3	2.2	3	2.2	
Average	1.6	1.17	2	1.47	1.6	1.17	1.6	1.17	2.2	1.61	1.8	1.32	1.8	1.32

Difference in Attainment Levels

PO NO	Actual			Round off		
	Target	#Att.	Diff	Target	#Att.	Diff
PO1	1.6	1.17	0.43	2	1	1.00
PO2	2	1.47	0.53	2	1	1.00
PO3	1.6	1.17	0.43	2	1	1.00
PO4	1.6	1.17	0.43	2	1	1.00
PO5	2.2	1.61	0.59	2	2	0.00
PO6	1.8	1.32	0.48	2	1	1.00
PO7	1.8	1.32	0.48	2	1	1.00







Course Outcomes (Communication Skills - GEX319)

CO No	BT Level	Course Outcome
C01	1	To understand the concept, process and importance of communication.
C02	3	To gain knowledge of media of communication.
C03	3	To develop skills of effective communication - both written and oral.
C04	4	To help students to acquaint with application of communication skills in the business world.
C05	4	To develop the skills in students for effective business communications and become more relevant to the organizations.

Course Evaluation Matrix

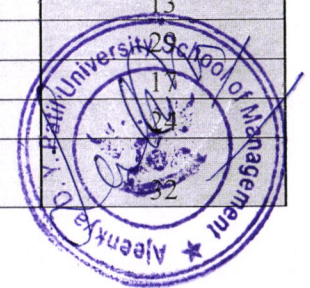
SN	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
1	CO 1	2	1	-	1	2	-	-	-	-	-	-	-	-	-
2	CO 2	2	2	-	2	1	-	-	-	-	-	-	-	-	-
3	CO 3	2	2	1	2	2	-	-	-	-	-	-	-	-	-
4	CO 4	1	1	-	2	1	-	-	-	-	-	-	-	-	-
5	CO 5	1	1	1	1	-	-	-	-	-	-	-	-	-	-
Average		1.6	1.4	1	1.6	1.5	-	-	-	-	-	-	-	-	-
Round off		2	1	1	2	2	-	-	-	-	-	-	-	-	-





Assessment Type	CA 1	CA 2	CA3	Attendance	Class Participation	End Term
Sub Question	Q1, Q2	Q1, Q2	Q1,Q2 Q3			Q1,Q2,Q3,Q4,Q5
CO Attained	CO1 , CO2	CO2,CO3 , CO4	CO2 CO3 CO4	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4, CO5
Maximum Marks	15	15	15	5	5	40
Weightage of Marks for Each CO						
Criteria Marks	5.13	7.42	8.97	1.96	1.50	18.76

S. No	Name of Student	URN	Marks Obtained					
1	Aaryan Rane	2022-B-14042003	9	9	10	3	4	18
2	Aastha Gupta	2022-B-18102003	12	13	0	2	3	0
3	Aditya Jaswal	2022-B-10062002	9	3	9	0	3	24
4	Akshata Gadre	2022-B-31052004A	11	13	10	3	4	23
5	Aman Gupta	2022-B-18122002	0	0	12	3	2	20
6	Ananya Jain	2022-B-03042004	0	15	11	1	4	32
7	Ankush Raj	2022-B-19032003	0	0	7	0	0	14
8	Anmol Kirar	2022-B-11072002	0	0	0	0	0	4
9	Archana Rajendran	2022-B-18112004	0	15	14	1	3	27
10	Arya Deokar	2022-B-23082004	7	7	9	4	4	3
11	Aryan Yelmule	2022-B-31102003	0	0	8	3	3	21
12	Atharva Dhomne	2022-B-14022004A	0	8	14	3	3	9
13	Ayush Jha	2022-B-02032004	0	0	0	0	0	13
14	Chaitrali Londhe	2022-B-23032004	11	14	14	5	5	
15	Chinmay Patil	2022-B-20102002	0	0	11	1	1	
16	Dhruv Zala	2022-B-29122003	9	14	10	3	5	
17	Disha Ramchandani	2022-B-14052004A	14	16	14	1	4	

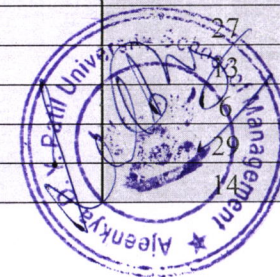




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18	Diya Anjana	2022-B-29092004	9	0	11	1	3	30
19	Diyanshi Sharma	2022-B-23112004	12	15	14	3	5	29
20	Gayatri Katke	2022-B-31102003A	0	0	9	1	4	20
21	Harsh Bacchav	2022-B-30032004A	14	17	14	1	4	23
22	Harsha Vishwakarma	2022-B-15082004	6	0	9	2	2	11
23	Harshvardhan Tupe	2022-B-15082004A	9	7	12	4	4	13
24	Hrishikesh Gill	2022-B-30052004B	0	0	0	0	0	29
25	Huda Fatima	2022-B-07042004B	14	16	13	1	3	29
26	Karan Wadgaonkar	2022-B-21042004	11	13	13	3	4	28
27	Khushi Shah	2022-B-31072004	0	0	13	3	3	11
28	Lakshmi Sabu	2022-B-01122003A	0	8	14	2	2	11
29	Milind Gaikwad	2022-B-04122004	8	8	0	4	4	6
30	Muskan Agrawal	2022-B-24042004	10	14	14	1	3	24
31	Namrata Gaikwad	2022-B-05122004	0	10	10	1	3	23
32	Namrata Agrawal	2022-B-06012005A	6	14	11	3	4	23
33	Nikhil Soni	2022-B-30092003	6	5	11	1	5	8
34	Parvathi Sabu	2022-B-01122003B	0	0	12	2	4	31
35	Piyush Ambhore	2022-B-28102003	11	13	12	1	4	28
36	Piyush Tahiliani	2022-B-09112004A	0	0	0	0	0	12
37	Radheya Mhaske	2022-B-11112004	9	0	13	4	5	15
38	Raj Singh	2022-B-01102005	0	0	10	3	3	16
39	Rick Kundu	2022-B-16022003A	0	0	0	0	0	0
40	Ronit Hirani	2022-B-08122004	9	11	11	0	4	15
41	Sahil Parmar	2022-B-23102004	10	11	13	3	5	27
42	Saksham Zalpuri	2022-B-01032005B	0	0	12	2	3	23
43	Saniya Qureshi	2022-B-12062004B	0	0	0	1	2	9
44	Sanskriti Verma	2022-B-17012004A	11	15	13	1	4	29
45	Sarvesh Molak	2022-B-16072004	9	11	12	5	4	14





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46	Shravani Ekbote	2022-B-29082004A	0	14	7	3	3	22
47	Shreya Tingre	2022-B-02102003	0	11	0	3	2	0
48	Shruti Gurude	2022-B-12102005	12	13	11	2	4	29
49	Siddharth Sachan	2022-B-04042005	0	0	12	1	1	16
50	Siddhi Satav	2022-B-03082004	0	12	8	1	3	24
51	Soumya Gupta	2022-B-12082004A	13	16	14	2	4	29
52	Tanaya Jadhav	2022-B-16052004	11	10	8	4	5	17
53	Vaibhav Gawande	2022-B-21112002A	13	14	13	3	5	30
54	Vaishnavi Patil	2022-B-10072004	0	9	5	3	3	23
55	Vineeta Dubey	2022-B-10092003	10	16	13	3	5	27
56	Aishwary Singh	2022-B-11112003B	0	0	0	1	4	7
57	Antariksh Sahu	2022-B-25102004B	9	10	9	1	3	17
58	Anushka Hakke	2022-B-08012005C	9	11	0	1	2	15
59	Cecilia Stephen	2022-B-02092004B	9	11	7	3	3	20
60	Disha Deshmukh	2022-B-09072004B	0	16	5	2	3	23
61	Harshita Sharma	2022-B-30112003	0	0	13	1	1	33
62	Hemanth Biswakarma	2022-B-14112004C	0	0	0	3	3	10
63	Krishna Bindal	2022-B-23022003	0	0	12	3	3	12
64	Kunal Walke	2022-B-12092001	0	0	11	2	3	15
65	Neeruj Mahajan	2022-B-30092003A	0	0	10	4	4	17
66	Om Jadhav	2022-B-10022004B	0	0	7	1	2	32
67	Pradhumansinh Gohil	2022-B-26062004D	6	6	12	0	0	6
68	Rajvi Kharade	2022-B-13042003	0	6	6	1	1	2
69	Ravindra Rajpurohit	2022-B-19092004B	0	0	13	3	3	11
70	Rudhrika Sinha	2022-B-14012003	13	12	14	4	5	32
71	Sanika Gaikwad	2022-B-19042004C	0	10	0	0	3	20
72	Saniya Sarkate	2022-B-17072003B	5	9	10	2	3	26
73	Sanskriti Karwa	2022-B-28102003C	0	15	0	0	2	0





74	Siddhi Dhoke	2022-B-17012002	14	15	9	1	2	24
75	Sneha Agrawal	2022-B-14102005	0	11	11	1	3	24
76	Vaidehi Rathod	2022-B-07092004D	12	0	13	1	2	27
77	Vinit Shah	2022-B-22042004A	11	10	10	5	2	24
78	Yuvraj Gupta	2022-B-09102003D	7	7	8	2	0	15

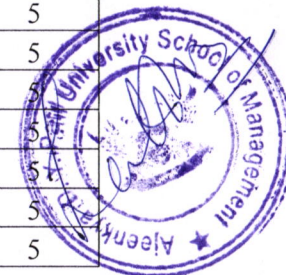
Total no of students securing more than 60%	39	43	53	42	66	41
Total no of students attempted the que	40	50	64	67	70	74
Percentage Attainment	97.50%	86.00%	82.81%	62.69%	94.29%	55.41%
CO1 Mapping	3			3	3	3
CO2 Mapping	3	3	3	4	2	2
CO3 Mapping		3	3	4	2	3
CO4 Mapping		3	3	3	3	4
CO5 Mapping				3	2	3

No of students securing more than 60% marks	Mapping Level
>=60%	3
>=50%	2
>=40%	1





Course Exit Survey							
Even term Sem IV (Communication Skills - GEX319)							
S. No	Name of Student	URN	CO1	CO2	CO3	CO4	CO5
1	Aaryan Rane	2022-B-14042003	5	4	5	4	5
2	Aastha Gupta	2022-B-18102003	4	4	4	3	4
3	Aditya Jaswal	2022-B-10062002	4	4	4	4	3
4	Akshata Gadre	2022-B-31052004A	5	5	5	5	4
5	Aman Gupta	2022-B-18122002	5	5	4	5	5
6	Ananya Jain	2022-B-03042004	4	4	4	4	4
7	Ankush Raj	2022-B-19032003	4	4	4	4	4
8	Anmol Kirar	2022-B-11072002	4	5	5	4	4
9	Archana Rajendran	2022-B-18112004	4	5	4	4	5
10	Arya Deokar	2022-B-23082004	5	4	4	4	3
11	Aryan Yelmule	2022-B-31102003	3	4	5	5	3
12	Atharva Dhomne	2022-B-14022004A	3	3	3	3	3
13	Ayush Jha	2022-B-02032004	4	5	4	5	3
14	Chaitrali Londhe	2022-B-23032004	3	4	5	4	4
15	Chinmay Patil	2022-B-20102002	3	4	5	5	4
16	Dhruv Zala	2022-B-29122003	4	3	4	4	4
17	Disha Ramchandani	2022-B-14052004A	5	5	5	3	5
18	Diya Anjana	2022-B-29092004	4	4	4	5	5
19	Diyanshi Sharma	2022-B-23112004	5	3	4	5	5
20	Gayatri Katke	2022-B-31102003A	4	5	4	3	5
21	Harsh Bacchav	2022-B-30032004A	3	4	5	4	5
22	Harsha Vishwakarma	2022-B-15082004	3	4	4	4	5
23	Harshvardhan Tupe	2022-B-15082004A	5	4	5	5	5
24	Hrshikesh Gill	2022-B-30052004B	5	5	3	4	5
25	Huda Fatima	2022-B-07042004B	5	3	5	5	5
26	Karan Wadgaonkar	2022-B-21042004	5	4	5	5	5





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27	Khushi Shah	2022-B-31072004	4	4	4	4	5
28	Lakshmi Sabu	2022-B-01122003A	4	4	4	4	5
29	Milind Gaikwad	2022-B-04122004	5	5	5	5	5
30	Muskan Agrawal	2022-B-24042004	4	5	5	4	5
31	Namrata Gaikwad	2022-B-05122004	4	4	4	4	5
32	Namrata Agrawal	2022-B-06012005A	4	4	4	4	5
33	Nikhil Soni	2022-B-30092003	5	5	4	5	5
34	Parvathi Sabu	2022-B-01122003B	4	5	4	4	3
35	Piyush Ambhore	2022-B-28102003	4	4	5	4	3
36	Piyush Tahiliani	2022-B-09112004A	5	4	3	5	4
37	Radheya Mhaske	2022-B-11112004	3	3	3	3	4
38	Raj Singh	2022-B-01102005	4	5	4	4	4
39	Rick Kundu	2022-B-16022003A	5	4	3	5	4
40	Ronit Hirani	2022-B-08122004	5	4	3	5	4
41	Sahil Parmar	2022-B-23102004	4	3	4	4	4
42	Saksham Zalpuri	2022-B-01032005B	5	5	5	5	4
43	Saniya Qureshi	2022-B-12062004B	4	4	4	4	4
44	Sanskriti Verma	2022-B-17012004A	4	3	5	4	4
45	Sarvesh Molak	2022-B-16072004	4	4	4	4	5
46	Shravani Ekbote	2022-B-29082004A	5	4	3	5	5
47	Shreya Tingre	2022-B-02102003	4	4	3	4	5
48	Shruti Gurude	2022-B-12102005	5	4	5	5	3
49	Siddharth Sachan	2022-B-04042005	3	5	5	3	3
50	Siddhi Satav	2022-B-03082004	5	3	5	5	4
51	Soumya Gupta	2022-B-12082004A	4	5	3	4	4
52	Tanaya Jadhav	2022-B-16052004	4	4	3	4	5
53	Vaibhav Gawande	2022-B-21112002A	4	5	4	4	5
54	Vaishnavi Patil	2022-B-10072004	4	3	5	4	4
55	Vineeta Dubey	2022-B-10092003	5	5	4	5	
56	Aishwary Singh	2022-B-11112003B	3	4	4	3	4





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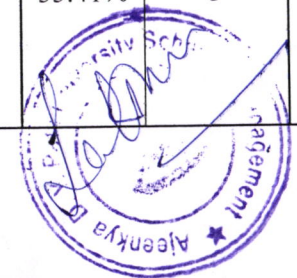
57	Antariksh Sahu	2022-B-25102004B	3	5	3	3	3
58	Anushka Hakke	2022-B-08012005C	4	4	3	4	3
59	Cecilia Stephen	2022-B-02092004B	5	4	4	5	4
60	Disha Deshmukh	2022-B-09072004B	4	5	5	4	5
61	Harshita Sharma	2022-B-30112003	5	4	4	5	4
62	Hemant Biswakarma	2022-B-14112004C	4	5	5	4	5
63	Krishna Bindal	2022-B-23022003	3	4	4	3	4
64	Kunal Walke	2022-B-12092001	3	3	3	3	3
65	Neeruj Mahajan	2022-B-30092003A	5	3	3	5	3
66	Om Jadhav	2022-B-10022004B	5	5	5	5	5
67	Pradhumsinh Gohil	2022-B-26062004D	5	5	5	5	5
68	Rajvi Kharade	2022-B-13042003	5	5	5	5	5
69	Ravindra Rajpurohit	2022-B-19092004B	4	3	3	4	3
70	Rudhrika Sinha	2022-B-14012003	4	3	3	4	3
71	Sanika Gaikwad	2022-B-19042004C	5	4	4	5	4
72	Saniya Sarkate	2022-B-17072003B	4	5	5	4	5
73	Sanskriti Karwa	2022-B-28102003C	4	4	5	4	4
74	Siddhi Dhoke	2022-B-17012002	4	5	4	4	4
75	Sneha Agrawal	2022-B-14102005	5	4	5	5	5
76	Vaidehi Rathod	2022-B-07092004D	4	5	4	4	4
77	Vinit Shah	2022-B-22042004A	4	4	3	4	4
78	Yuvraj Gupta	2022-B-09102003D	5	3	3	5	4

Average	4.22	4.17	4.13	4.24	4.22
Count	78	78	78	78	77
Percentage	84.36%	83.33%	82.56%	84.87%	84.42%
Mapping	3	3	3	3	3





CO Attainment				Direct Attainment (DA) (80%)								
				In Term Evaluation (IT) (50%)						End Term Evaluation (ET) (50%)		Total (50%IT + 50%ET)
Course CO	CO with Statements	BT level	Assessment Tools	CA1	CA2	CA3	Attendance	Class Participation	Average Mapping	End Term	Average Mapping	
CO1	To understand the concept, process and importance of communication.	1		97.50%			62.69%	94.29%	3	55.41%	3	3
CO2	To gain knowledge of media of communication.	3		97.50%	86.00%	82.81%	62.69%	94.29%	3	55.41%	2	2.5
CO3	To develop skills of effective communication - both written and oral.	3			86.00%	82.81%	62.69%	94.29%	3	55.41%	3	3
CO4	To help students to acquaint with application of communication skills in the business world.	4			86.00%	82.81%	62.69%	94.29%	3	55.41%	4	3.5
CO5	To develop the skills in students for effective business communications and become more relevant to the organizations	4					55.41%	94.29%	3	55.41%	3	3





CO Attainment				Indirect Attainment (IA) (20%)		Total CO Attainment (80% DA + 20% IA)
				Course exit survey	Average Mapping	
Course CO	CO with Statements	BT level	Assessment Tools			
CO1	To understand the concept, process and importance of communication.	1		84.36%	3	3
CO2	To gain knowledge of media of communication.	3		83.33%	3	2.6
CO3	To develop skills of effective communication - both written and oral.	3		82.56%	3	3
CO4	To help students to acquaint with application of communication skills in the business world .	4		84.87%	3	3.4
CO5	To develop the skills in students for effective business communications and become more relevant to the organizations	4		84.42%	3	3





CO Attainment				PO Attainment									
Course CO	CO with Statements	BT level	Assessment Tools	PO1	Att.	PO2	Att.	PO3	Att.	PO4	Att.	PO5	Att.
CO1	To understand the concept, process and importance of communication.	1		2.00	2.00	1.00	1.00	-	-	1.00	1.00	2.00	2.00
CO2	To gain knowledge of media of communication.	3		2.00	1.73	2.00	1.73	-	-	2.00	1.73	1.00	0.87
CO3	To develop skills of effective communication - both written and oral.	3		2.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00
CO4	To help students to acquaint with application of communication skills in the business world .	4		1.00	1.13	1.00	1.13	-	-	2.00	2.27	1.00	1.13
CO5	To develop the skills in students for effective business communications and become more relevant to the organizations	4		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-	-
				1.6	1.57	1.4	1.37	1	1.00	1.6	1.60	1.5	1.50

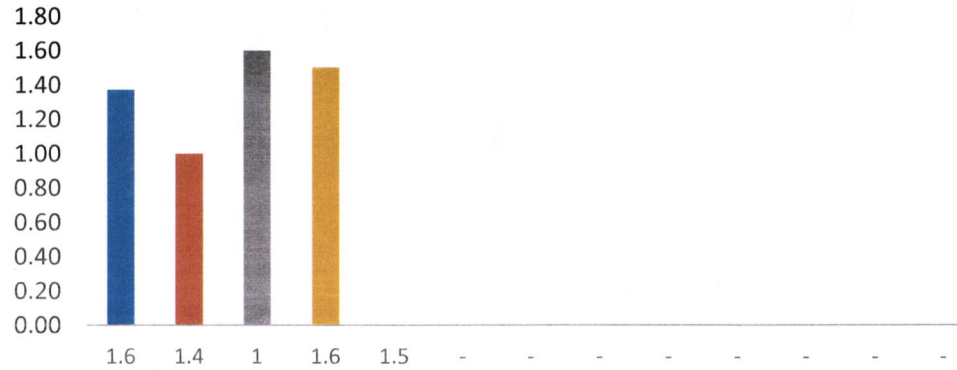
PO NO	Actual		
	Target	#Att.	Diff
PO1	1.6	1.57	0.03
PO2	1.4	1.37	0.03
PO3	1	1.00	0.00
PO4	1.6	1.60	0.00
PO5	1.5	1.50	0.00

Round off		
Target	#Att.	Diff
2	2	0.00
1	1	0.00
1	1	0.00
2	2	0.00
2	2	0.00





CO - PO Attainment Chart





CO – PO Attainment for the Business Environment – BBA Program

Course Outcomes (Business Environment)		
CO No	BT Level	Course Outcome
C01	1	To provide the background knowledge of the institutional, economic, political, cultural and technological environments that constitutes of today is global business environment
C02	2	To apply knowledge to actual situations where in students can use learned concepts to enhance their general understanding and take relative business decisions
C03	3	To demonstrate knowledge and various dimensions of Global business environment to influence managerial decisions.
C04	4	Ability to understand and relate the various components of business environment in which the corporate world work
C05	5	Compile component ideas into a new whole or propose alternative solution for business environment

CO – PO Mapping for the Course:

Course Evaluation Matrix						
SN	Course Outcome	PO1	PO2	PO3	PO4	PO5
1	CO 1	3	2	0	0	1
2	CO 2	3	0	2	2	3
3	CO 3	1	0	2	0	0
4	CO 4	0	3	0	2	0
5	CO 5	0	0	3	0	0
Average		2.3	2.5	2.3	2.0	2.0
Round off		2	3	2	2	

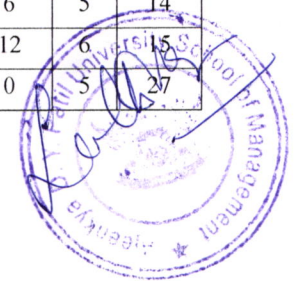




Course Assessment Marks

Assessment Type	CA 1	CA 2	CA3	Attendance	End Term
Sub Question					
CO Attained	CO1,CO2	CO3,CO4	CO1,CO2,CO3,CO4,CO5	CO1,CO2,CO3,CO4,CO5,CO6	CO1,CO2,CO3,CO4,CO5
Maximum Marks	15	20	15	10	40
Weightage of Marks for Each CO					
Criteria Marks	9.02	7.85	9.17	5.98	19.81

Name of Student	URN	Marks Obtained				
		12	3	10	7	20
Aaryan Rane	2022-B-14042003	12	3	10	7	20
Aastha Gupta	2022-B-18102003	14	15	0	7	00
Aayush Jha	2022-B-02032004	0	0	0	4	13
Aditya Jaswal	2022-B-10062002	13	5	0	6	12
Akshata Gadre	2022-B-31052004A	12	13	13	8	23
Aman Gupta	2022-B-18122002	0	0	8	5	17
Ananya Jain	2022-B-03042004	11	13	14	5	00
Anmol Kirar	2022-B-11072002	0	0	0	0	13
Archana Rajendran	2022-B-18112004	13	15	13	6	31
Arya Deokar	2022-B-23082004	11	12	13	5	13
Aryan Yelmule	2022-B-31102003	9	0	0	4	28
Atharva Dhomne	2022-B-14022004A	11	13	13	7	19
Chaitrali Londhe	2022-B-23032004	11	14	15	8	32
Chinmay Patil	2022-B-20102002	0	0	0	4	27
Dhruv Zala	2022-B-29122003	12	14	13	8	28
Disha Ramchandani	2022-B-14052004A	14	15	14	7	24
Diya Anjana	2022-B-29092004	11	9	14	6	34
Diyanshi Sharma	2022-B-23112004	12	9	15	7	24
Gayatri Katke	2022-B-31102003A	0	2	0	5	16
Harsh Bacchav	2022-B-30032004A	12	15	10	6	29
Harsha Vishwakarma	2022-B-15082004	14	0	6	5	14
Harshvardhan Tupe	2022-B-15082004A	11	13	12	6	15
Hrishikesh Gill	2022-B-30052004B	9	0	0	5	27





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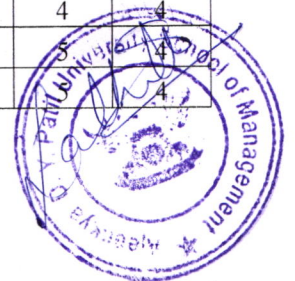
Huda Fatima	2022-B-07042004B	11	13	14	6	29
Karan Wadgaonkar	2022-B-21042004	11	16	14	7	34
Khushi Shah	2022-B-31072004	12	8	13	7	23
Lakshmi Sabu	2022-B-01122003A	14	9	12	6	18
Milind Gaikwad	2022-B-04122004	0	2	12	8	8
Muskan Agrawal	2022-B-24042004	14	12	14	8	28
Namrata Gaikwad	2022-B-05122004	11	10	15	7	21
Namrata Agrawal	2022-B-06012005A	10	12	13	7	30
Nikhil Soni	2022-B-30092003	11	12	13	7	6
Parvathi Sabu	2022-B-01122003B	12	0	12	5	5
Piyush Ambhore	2022-B-28102003	12	13	14	8	32
Piyush Tahiliani	2022-B-09112004A	0	0	0	2	00
Radheya Mhaske	2022-B-11112004	11	14	14	8	15
Raj Singh	2022-B-01102005	11	0	0	5	17
Rick Kundu	2022-B-16022003A	0	0	0	2	00
Ronit Hirani	2022-B-08122004	12	9	14	7	30
Sahil Parmar	2022-B-23102004	14	15	13	8	30
Saksham Zalpuri	2022-B-01032005B	0	0	0	7	24
Saniya Qureshi	2022-B-12062004B	9	2	0	5	19
Sanskriti Verma	2022-B-17012004A	0	0	15	5	28
Sarvesh Molak	2022-B-16072004	14	11	15	8	19
Shravani Ekbote	2022-B-29082004A	0	0	0	4	11
Shreya Tingre	2022-B-02102003	0	0	0	6	00
Shruti Gurude	2022-B-12102005	12	13	14	6	29
Siddharth Sachan	2022-B-04042005	0	0	0	2	9
Siddhi Satav	2022-B-03082004	13	14	14	6	22
Soumya Gupta	2022-B-12082004A	13	12	15	7	28
Tanaya Jadhav	2022-B-16052004	11	11	12	6	12
Vaibhav Gawande	2022-B-21112002A	12	14	13	8	35
Vaishnavi Patil	2022-B-10072004	13	8	13	7	23
Vineeta Dubey	2022-B-10092003	12	14	14	7	26





Total no of students securing more than 60%	40	0	38	36	1
Total no of students attempted the que	41	38	38	53	49
Percentage Attainment	97.56%	0.00%	100.00%	67.92%	2.04%
CO1 Mapping	1			3	1
CO2 Mapping		1		3	1
CO3 Mapping			1	3	1
CO4 Mapping				3	1
CO5 Mapping				3	1

Course Exit Survey							
Even Term -Sem II- Business Environment (Sem I BBA) AY 2022-23							
S. No	Name of Student	URN	CO1	CO2	CO3	CO4	CO5
1	Aaryan Rane	2022-B-14042003	5	5	5	5	5
2	Aastha Gupta	2022-B-18102003	3	3	4	3	3
3	Aayush Jha	2022-B-02032004	4	4	4	4	4
4	Aditya Jaswal	2022-B-10062002	5	5	5	5	5
5	Akshata Gadre	2022-B-31052004A	5	5	4	5	4
6	Aman Gupta	2022-B-18122002	4	4	4	4	4
7	Ananya Jain	2022-B-03042004	4	4	4	4	4
8	Anmol Kirar	2022-B-11072002	5	5	4	5	4
9	Archana Rajendran	2022-B-18112004	3	3	4	4	4
10	Arya Deokar	2022-B-23082004	3	3	3	3	3
11	Aryan Yelmule	2022-B-31102003	4	4	4	4	4
12	Atharva Dhomne	2022-B-14022004A	5	5	5	5	5
13	Chaitrali Londhe	2022-B-23032004	5	5	3	5	4
14	Chinmay Patil	2022-B-20102002	4	4	4	4	4
15	Dhruv Zala	2022-B-29122003	4	4	4	4	4
16	Disha Ramchandani	2022-B-14052004A	5	5	4	5	4
17	Diya Anjana	2022-B-29092004	5	5	3	5	4
18	Diyanshi Sharma	2022-B-23112004	4	4	4	4	4
19	Gayatri Katke	2022-B-31102003A	5	5	4	5	4
20	Harsh Bacchav	2022-B-30032004A	5	5	3	5	4
21	Harsha Vishwakarma	2022-B-15082004	4	4	4	4	4
22	Harshvardhan Tupe	2022-B-15082004A	4	4	4	4	4
23	Hrishikesh Gill	2022-B-30052004B	5	5	4		
24	Huda Fatima	2022-B-07042004B	5	5	3		





25	Karan Wadgaonkar	2022-B-21042004	4	4	4	4	4
26	Khushi Shah	2022-B-31072004	5	5	4	5	4
27	Lakshmi Sabu	2022-B-01122003A	5	5	3	5	4
28	Milind Gaikwad	2022-B-04122004	4	4	4	4	4
29	Muskan Agrawal	2022-B-24042004	4	4	4	4	4
30	Namrata Gaikwad	2022-B-05122004	5	5	4	5	4
31	Namrata Agrawal	2022-B-06012005A	5	5	3	5	4
32	Nikhil Soni	2022-B-30092003	4	4	4	4	4
33	Parvathi Sabu	2022-B-01122003B	5	5	4	5	4
34	Piyush Ambhore	2022-B-28102003	5	5	3	5	4
35	Piyush Tahiliani	2022-B-09112004A	4	4	4	4	4
36	Radheya Mhaske	2022-B-11112004	4	4	4	4	4
37	Raj Singh	2022-B-01102005	5	5	4	5	4
38	Rick Kundu	2022-B-16022003A	5	5	3	5	4
39	Ronit Hirani	2022-B-08122004	4	4	4	4	4
40	Sahil Parmar	2022-B-23102004	5	5	4	5	4
41	Saksham Zalpuri	2022-B-01032005B	5	5	3	5	4
42	Saniya Qureshi	2022-B-12062004B	4	4	4	4	4
43	Sanskriti Verma	2022-B-17012004A	4	4	4	4	4
44	Sarvesh Molak	2022-B-16072004	5	5	4	5	4
45	Shravani Ekbote	2022-B-29082004A	5	5	3	5	4
46	Shreya Tingre	2022-B-02102003	4	4	4	4	4
47	Shruti Gurude	2022-B-12102005	5	5	4	5	4
48	Siddharth Sachan	2022-B-04042005	5	5	3	5	4
49	Siddhi Satav	2022-B-03082004	4	4	4	4	4
50	Soumya Gupta	2022-B-12082004A	5	5	4	5	4
51	Tanaya Jadhav	2022-B-16052004	5	5	3	5	4
52	Vaibhav Gawande	2022-B-21112002A	4	4	4	4	4
53	Vaishnavi Patil	2022-B-10072004	4	4	4	4	4
54	Vineeta Dubey	2022-B-10092003	5	5	4	5	4

Course End Survey Analysis

Average	4.48	4.48	3.81	4.50	4.02
Count	54	54	54	54	54
Percentage	89.63%	89.63%	76.30%	90.00%	80.37%
Mapping	3	3	3	3	3





Course Attainment Analysis

CO Attainment				Direct Attainment (DA) (80%)							Indirect Attainment (IA) (20%)		Total CO Attainment (80% DA + 20% IA)	
				In Term Evaluation (IT) (50%)				End Term Evaluation (ET) (50%)			Total (50% IT + 50% ET)	Course exit survey		Average Mapping
				CO with State	BT level	Assessment Tools	CA1	CA2	CA3	Attendance				
CO1	To provide the background knowledge of the institutional, economic, political, cultural and technological environments that constitutes of today's	1		97.56%			67.92%	3	2.04%	1	2	89.63%	3	2.2





	global business environment											
C O 2	To apply knowledge to actual situations where in students can use learned concepts to enhance their general understanding and take relative business decisions	2		0.00%	67.92%	1	2.04%	1	1	89.63%	3	1.4
C O 3	To demonstrate knowledge	3		100.00%	67.92%	3	2.04%	1	2	76.30%	3	2.2



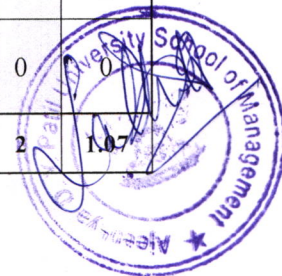


C O 5	Com pile com pone nt ideas into a new whol e or prop ose alter nativ e solut ion for busin ess envir onm ent	5				67.9 2%	3	2.04 %	1	2	80.37 %	3	2.2
			C O 6	NA	6	0. 00 %	0. 00 %	1	67.9 2%	1	2.04 %	0	0.5

Attainment Levels

PO Attainment

PO1	Att.	PO2	Att.	PO3	Att.	PO4	Att.	PO5	Att.
3	2.2	2	1.467	0	0	0	0	1	0.733
3	1.4	0	0	2	0.933	2	0.933	3	1.4
1	0.733	0	0	2	1.467	0	0	0	0
0	0	3	2.2	0	0	2	1.467	0	0
0	0	0	0	3	2.2	0	0	0	0
2.333	1.44	2.5	1.83	2.333	1.53	2	1.20	2	1.07

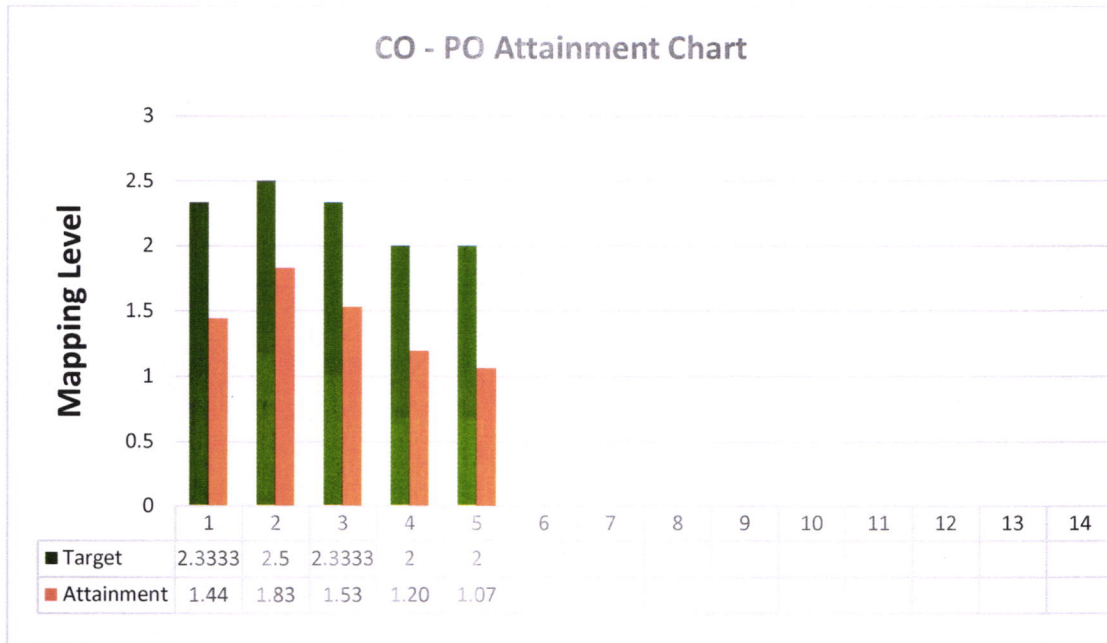




Difference in Attainment Levels

PO NO	Actual		
	Target	#Att.	Diff
PO1	2.333	1.44	0.89
PO2	2.5	1.83	0.67
PO3	2.333	1.53	0.80
PO4	2	1.20	0.80
PO5	2	1.07	0.93

Round off		
Target	#Att.	Diff
2	1	1.00
3	2	1.00
2	2	0.00
2	1	1.00
2	1	1.00



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Course Faculty

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CO – PO Attainment for the Course Data Structure with C++ - MGT 245- BBA BA Program

Course Outcomes (Security Analysis)		
CO No	BT Level	Course Outcome
C01	1	Students will be able to write programmes in C++
C02	2	Students will be able to Define abstract data types
C03	3	Students will be able to Evaluate Requirement Analysis
C04	4	Students will be able to Understand Linked List
C05	5	Students will be able to apply searching and sorting Techniques.

CO – PO Mapping for the Course:

Course Evaluation Matrix								
SN	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7
1	CO 1	2	1	1	2	3	2	2
2	CO 2	2	1	2	2	3	1	1
3	CO 3	2	1	1	2	2	2	1
4	CO 4	2	1	2	1	2	1	2
5	CO 5	2	1	2	2	2	3	3
Average		2	1	1.6	1.8	2.4	1.8	1.8
Round off		2	1	2	2	2	2	2

Program Specific Outcomes:

Program Specific Outcomes
PSO1. To identify Business Opportunities for Data-Driven Solutions
PSO2. To communicate technical information and analysis results to people both with and without Technical Backgrounds.
PSO3. To outline practical applications of data in retrieving valuable information in organization
PSO4. To demonstrate proficiency in Data Analysis methods and in Data Analytical Tools
PSO5. To develop conceptual and analytical abilities required for effective decision making.





CO-PSO Mapping:

Course Evaluation Matrix						
SN	Course Outcome	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
1	CO 1	1	1	3	2	1
2	CO 2	1	1	1	1	1
3	CO 3	1	2	1	1	1
4	CO 4	1	2	2	1	3
5	CO 5	2	2	1	1	3
Average		1.2	1.6	1.6	1.2	1.8
Round off		1	2	2	1	2





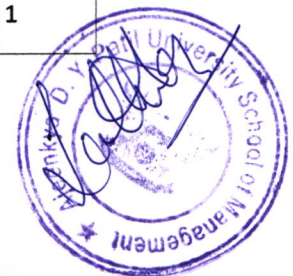
Course Assessment Marks

Assessment Type	CA 1	CA 2	CA3	Attendance	End Term
Sub Question					
CO Attained	CO1	CO1,CO2,CO3	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4,CO5
Maximum Marks	20	10	20	10	40
Weightage of Marks for Each CO					
Criteria Marks	16.83	9.00	19.00	7.33	12.83

S. No	Name of Student	URN	Marks Obtained				
1	Aadi Nagpal	2021-B-08092003A	15	10	19	6	11
2	Abhed Chopade	2021-B-09042001	17	7	18	7	13
3	Dipansh Tandon	2021-B-29042003A	17	9	20	8	23
4	Iram Qureshi	2021-B-06082002A	17	9	19	7	12
5	Shubham Parida	2021-B-21032003A	16	AB	19	8	7
7	Vedant Munshettiwar	2021-B-16082003	19	10	19	8	11

Total no of students securing more than 60%	4	4	5	3	2
Total no of students attempted the que	6	5	6	6	6
Percentage Attainment	66.67%	80.00%	83.33%	50.00%	33.33%
CO1 Mapping	3			2	1
CO2 Mapping		3		2	1
CO3 Mapping			3	2	1
CO4 Mapping				2	1
CO5 Mapping				2	1

Course End Survey Analysis





Course Exit Survey							
EVEN Term – Data Structure with C++ - 2022-23							
S. No	Name of Student	URN	CO1	CO2	CO3	CO4	CO5
1	Aadi Nagpal	2021-B-08092003A	5	4	4	4	5
2	Abhed Chopade	2021-B-09042001	4	4	4	4	4
3	Dipansh Tandon	2021-B-29042003A	5	5	5	5	5
4	Iram Qureshi	2021-B-06082002A	5	5	5	5	5
5	Shubham Parida	2021-B-21032003A	3	4	4	5	4
6	Vedant Munshettiwar	2021-B-16082003	4	4	4	4	4
Average			4.33	4.33	4.33	4.50	4.50
Count			6	6	6	6	6
Percentage			86.67%	86.67%	86.67%	90.00%	90.00%
Mapping			3	3	3	3	3





Course Attainment Analysis

CO Attainment				Direct Attainment (DA) (80%)								Indirect Attainment (IA) (20%)		Total CO Attainment (80% DA + 20% IA)
				In Term Evaluation (IT) (50%)				End Term Evaluation (ET) (50%)		Total (50% IT + 50% ET)	Course exit survey	Average Mapping		
Course CO	CO with Statements	BT level	Assessment Tools	CA 1	CA 2	CA 3	Attendance	Average Mapping	End Term				Average Mapping	
CO 1	Students will be able to write programmes in C++	1		66.67%			50.00%	2	33.33%	1	1.5	86.67%	3	1.8
CO 2	Students will be able to Define abstract data types	3			80.00%		50.00%	3	33.33%	1	2	86.67%	3	2.2
CO 3	Students will be able to Evaluate Requirement Analysis	5				83.33%	50.00%	3	33.33%	1	2	86.67%	3	2.2
CO 4	Students will be able to Understand Linked List	2					50.00%	2	33.33%	1	1.5	90.00%	3	1.8
CO 5	Students will be able to apply searching and sorting	4					50.00%	2	33.33%	1	1.5	90.00%	3	1.8





Techniques														
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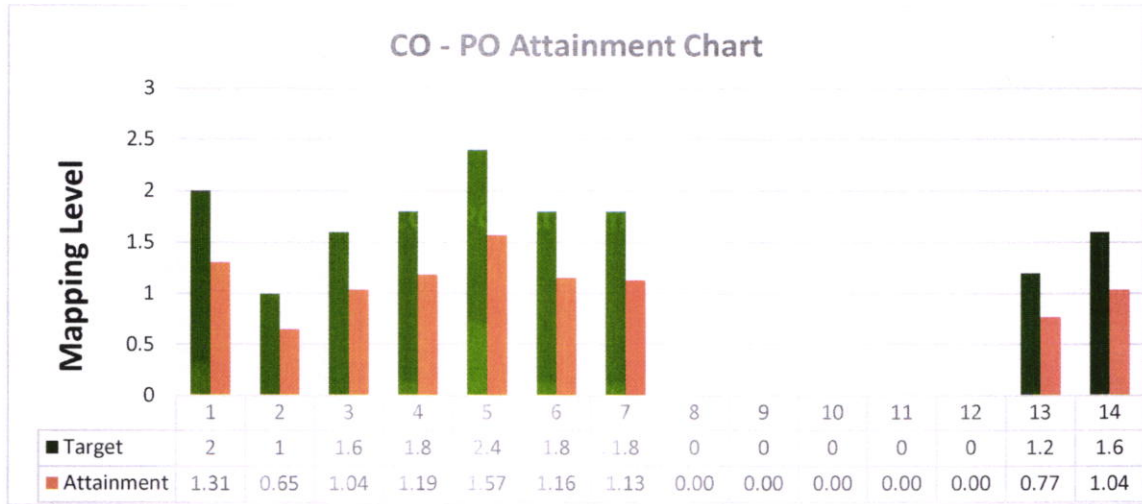
Attainment Levels

PO Attainment														
	PO1	Att.	PO2	Att.	PO3	Att.	PO4	Att.	PO5	Att.	PO6	Att.	PO7	Att.
	2	1.47	1	0.73	2	1.47	2	1.47	3	2.2	1	0.73	1	0.73
	2	1.47	1	0.73	1	0.73	2	1.47	2	1.47	2	1.47	1	0.73
	2	1.2	1	0.6	2	1.2	1	0.6	2	1.2	1	0.6	2	1.2
	2	1.2	1	0.6	2	1.2	2	1.2	2	1.2	3	1.8	3	1.8
	3	2.2	2	1.47	2	1.47	2	1.47	1	0.73	2	1.47	1	0.73
Average	2	1.31	1	0.65	1.6	1.04	1.8	1.19	2.4	1.57	1.8	1.16	1.8	1.13

Difference in Attainment Levels

PO NO	Actual			Round off		
	Target	#Att.	Diff	Target	#Att.	Diff
PO1	2	1.31	0.69	2	1	1.00
PO2	1	0.65	0.35	1	1	0.00
PO3	1.6	1.04	0.56	2	1	1.00
PO4	1.8	1.19	0.61	2	1	1.00
PO5	2.4	1.57	0.83	2	2	0.00
PO6	1.8	1.16	0.64	2	1	1.00
PO7	1.8	1.13	0.67	2	1	1.00







CO – PO Attainment for the Course Introduction to Business Analytics - MGT244- BBA BA Program

Course Outcomes (Security Analysis)		
CO No	BT Level	Course Outcome
C01	1	Identify the areas use of business analytics
C02	3	Compare the different types of digital data
C03	3	Compare data models
C04	2	Identify the scope for leverage
C05	4	Use business intelligence for decision making

CO – PO Mapping for the Course:

Course Evaluation Matrix								
SN	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7
1	CO 1	3	3	2	1	1	1	2
2	CO 2	3	3	2	2	1	1	2
3	CO 3	3	3	2	2	1	1	2
4	CO 4	3	3	2	2	1	1	2
5	CO 5	3	3	2	2	1	1	2
Average		3	3	2	1.8	1	1	2
Round off		3	3	2	2	1	1	2

Program Specific Outcomes:

Program Specific Outcomes
PSO1. To identify Business Opportunities for Data-Driven Solutions
PSO2. To communicate technical information and analysis results to people both with and without Technical Backgrounds.
PSO3. To outline practical applications of data in retrieving valuable information in organization
PSO4. To demonstrate proficiency in Data Analysis methods and in Data Analytical Tools





PSO5. To develop conceptual and analytical abilities required for effective decision making.

CO-PSO Mapping:

Course Evaluation Matrix						
SN	Course Outcome	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
1	CO 1	2	3	2	3	2
2	CO 2	2	3	1	3	3
3	CO 3	1	3	1	3	2
4	CO 4	1	3	2	3	3
5	CO 5	2	3	1	3	2
Average		1.6	3	1.4	3	2.4
Round off		2	3	1	3	2



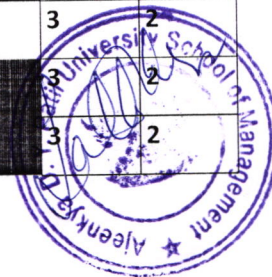


Course Assessment Marks

Assessment Type	CA 1	CA 2	CA3	Attendance	End Term
Sub Question					
CO Attained	CO1,CO2	CO3, CO4	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4,CO5	CO1,CO2,CO3, CO4,CO5
Maximum Marks	20	10	20	10	40
Weightage of Marks for Each CO					
Criteria Marks	17.33	8.80	19.00	7.83	14.17

S. No	Name of Student	URN	Marks Obtained				
			18	9	18	7	14
1	Aadi Nagpal	2021-B-08092003A	18	9	18	7	14
2	Abhed Chopade	2021-B-09042001	17	9	19	8	17
3	Dipansh Tandon	2021-B-29042003A	18	9	20	8	24
4	Shubham Parida	2021-B-21032003A	16	AB	18	8	2
5	Vedant Munshettiwar	2021-B-16082003	16	9	19	8	10
7	Iram Qureshi	2021-B-06082002A	19	8	20	8	18

Total no of students securing more than 60%	3	4	4	5	3
Total no of students attempted the que	6	5	6	6	6
Percentage Attainment	50.00%	80.00%	66.67%	83.33%	50.00%
CO1 Mapping	1			3	2
CO2 Mapping		3		3	2
CO3 Mapping			3	3	2
CO4 Mapping				2	2
CO5 Mapping				3	2





Course End Survey Analysis

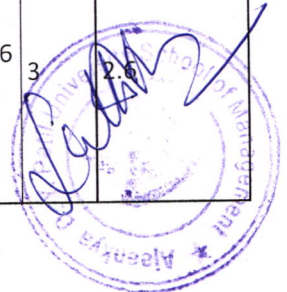
Course Exit Survey							
EVEN Term – Introduction to Business Analytics- 2022-23							
S. No	Name of Student	URN	CO1	CO2	CO3	CO4	CO5
1	Aadi Nagpal	2021-B-08092003A	5	4	5	4	5
2	Abhed Chopade	2021-B-09042001	3	4	4	4	3
3	Dipansh Tandon	2021-B-29042003A	5	5	5	5	5
4	Shubham Parida	2021-B-21032003A	4	3	4	3	4
5	Vedant Munshettiwar	2021-B-16082003	5	5	4	5	4
6	Iram Qureshi	2021-B-06082002A	5	5	5	5	5
Average			4.50	4.33	4.50	4.33	4.33
Count			6	6	6	6	6
Percentage			90.00%	86.67%	90.00%	86.67%	86.67%
Mapping			3	3	3	3	3





Course Attainment Analysis

CO Attainment				Direct Attainment (DA) (80%)								Indirect Attainment (IA) (20%)		Total CO Attainment (80% DA + 20% IA)
				In Term Evaluation (IT) (50%)					End Term Evaluation (ET) (50%)			Total (50% IT + 50% ET)	Course exit survey	
Course CO	CO with Statements	BT level	Assessment Tools	CA 1	CA 2	CA 3	Attendance	Average Mapping	End Term	Average Mapping				
CO 1	Identify the areas use of business analytics	1		50.00%			83.33%	3	50.00%	2	2.5	90.00%	3	2.6
CO 2	Compare the different types of digital data	3			80.00%		83.33%	3	50.00%	2	2.5	86.67%	3	2.6
CO 3	Compare data models	3				66.67%	83.33%	3	50.00%	2	2.5	90.00%	3	2.6
CO 4	Identify the scope for leverage	2					83.33%	3	50.00%	2	2.5	86.67%	3	2.6
CO 5	Use business intelligence for decision making	4					83.33%	3	50.00%	2	2.5	86.67%	3	2.6





Attainment Levels

PO Attainment														
	PO1	Att.	PO2	Att.	PO3	Att.	PO4	Att.	PO5	Att.	PO6	Att.	PO7	Att.
	3	2.6	3	2.6	2	1.7333	1	0.8667	1	0.87	1	0.87	2	1.73
	3	2.6	3	2.6	2	1.7333	2	1.7333	1	0.87	1	0.87	2	1.73
	3	2.6	3	2.6	2	1.7333	2	1.7333	1	0.87	1	0.87	2	1.73
	3	2.6	3	2.6	2	1.7333	2	1.7333	1	0.87	1	0.87	2	1.73
	3	2.6	3	2.6	2	1.7333	2	1.7333	1	0.87	1	0.87	2	1.73
Average	3	2.60	3	2.60	2	1.73	1.8	1.56	1	0.87	1	0.87	2	1.73

Difference in Attainment Levels

PO NO	Actual			Round off		
	Target	#Att.	Diff	Target	#Att.	Diff
PO1	3	2.60	0.40	3	3	0.00
PO2	3	2.60	0.40	3	3	0.00
PO3	2	1.73	0.27	2	2	0.00
PO4	1.8	1.56	0.24	2	2	0.00
PO5	1	0.87	0.13	1	1	0.00
PO6	1	0.87	0.13	1	1	0.00
PO7	2	1.73	0.27	2	2	0.00



