



AMBEDKAR COLLEGE OF ARTS & SCIENCE, WANDOOR
 (Aided by Govt. of Kerala & Affiliated to University of Calicut)
 Wandoor (PO), Pin 679328, Ph: 04931-249666
acaswandoor@gmail.com, Website: www.ambedkarcollegewdr.in

COURSE PLAN

Course code and title	STA1MN101(P)-Descriptive Statistics for Data Science		
Class	BSc Mathematics	Semester	1
Regulation	FYUGP	Academic year	2024-2025
Course prerequisites	Basic knowledge of Data, Variables, charts, Graphs, Basic Computer skills		
Course objectives	This course aims to equip students with a holistic understanding of different data types and probability, enabling them to make informed decisions and draw meaningful conclusions from data.		

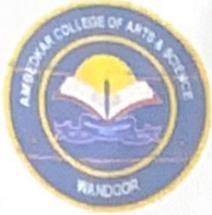
COURSE OUTCOMES

At the end of the course the student would be able to...

CO1	Describe different types of data
CO2	Compare and differentiate various types of data
CO3	Visualize different types of data and analyze data to help entrepreneurial decisions using critical thinking skills.
CO4	Summarize various descriptive measures of data and critically evaluate ethical implications of statistical methods aligning with human values.
CO5	Define basic terms in probability

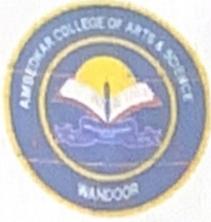
MAPPING OF PROGRAM OUTCOMES

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	✓		✓	✓	✓			✓		
CO2	✓		✓	✓	✓			✓		
CO3				✓	✓		✓	✓	✓	



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		✓	✓								
CO4		✓	✓	✓	✓	✓		✓		✓	
CO5	✓		✓	✓	✓			✓			
PO1	Knowledge Acquisition					PO6	Ethics & Social Responsibility				
PO2	Communication & Leadership					PO7	Research, Innovation & Entrepreneurship				
PO3	Professional Skills					PO8	Lifelong Learning				
PO4	Digital Intelligence					PO9	Global Perspective				
PO5	Scientific awareness & Critical Thinking					PO10	Democratic Co-existence				
PROGRAM SPECIFIC OUTCOMES											
PSO1	Acquire comprehensive understanding of concepts, principles, and theories of Statistics.										
PSO2	Apply fundamental concepts of descriptive and inferential Statistics- exploratory data analysis										
PSO3	Master skills in using Statistical Software's to meet the challenges of Employability, Research and Development.										
MAPPING OF COURSE OUTCOMES TO PROGRAM EDUCATIONAL OUTCOMES											
PROGRAM EDUCATIONAL OUTCOMES						COURSE OUTCOMES					
						CO1	CO2	CO3	CO4	CO5	
PEO1	Core Knowledge and Application					✓	✓	✓	✓	✓	
PEO2	Communication and Leadership							✓	✓		
PEO3	Professionalism and Lifelong Learning					✓	✓	✓	✓	✓	



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REFERENCES:

1. Gupta, S. C. and Kapoor, V. K. (2020). Fundamentals of Mathematical Statistics, 12th edition, Sulthan Chand, New Delhi
2. Gupta, S. C. (2015). Fundamentals of Statistics, Himalaya Publishing House, 9th Edition, Wiley
3. Prem S. Mann (2016), Introductory Statistics 9th Edition, Wiley

e-learning resources	Neil A. Weiss, Introductory Statistics, 9th Edition, Addison Wesley Pearson Learning (2011) Mario F Triola, Elementary Statistics using Excel, (2018), 6 th edition.
Mode of Evaluation	Internal Examination (20%) End Semester Examination (80%)
Faculty	HIMA KC
e-mail id	himakc2000gmail.com



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No of lecture hours	Planned Date	Topics to be covered	Reference/ Teaching aids and methods	Actual date	Weekly review
MODULE I -Introduction to Statistics					
1	05/07/2024	Introduction to Statistics	T, WB	5-7-24	<i>[Signature]</i>
2	09/07/2024	Basic Statistical Terms	" "	9-7-24	<i>[Signature]</i>
3	10/07/2024	Types of Variables	" "	10-7-24	<i>[Signature]</i>
4	11/07/2024	Primary and Secondary Data	" "	11-7-24	<i>[Signature]</i>
5	12/07/2024	Methods of Primary Data Collection – Part 1	" "	12-7-24	<i>[Signature]</i>
6	18/07/2024	Methods of Primary Data Collection – Part 2	" "	18-7-24	<i>[Signature]</i>
7	19/07/2024	Sources of Secondary Data	T, WB, PPT	19-7-24	<i>[Signature]</i>
8	23/07/2024	Advantages & Disadvantages of Data Types	" "	23-7-24	<i>[Signature]</i>
9	24/07/2024	Evaluating Data Sources	" "	24-7-24	<i>[Signature]</i>
10	25/07/2024	Choosing the Right Data Collection Method	T, WB	25-7-24	<i>[Signature]</i>
11	30/07/2024	Revision-summary	T, WB	30-7-24	<i>[Signature]</i>
					Review by Principal
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	
11	11	30-7-24	<i>[Signature]</i>	<i>[Signature]</i>	
MODULE II - ORGANIZING AND GRAPHING DATA					
1	01/08/2024	Introduction to Data	T, WB	06-08-24	<i>[Signature]</i>
2	02/08/2024	Frequency Distribution	T, WB	06-08-24	<i>[Signature]</i>
3	06/08/2024	Class Intervals and Class Boundaries	W, T	07-08-24	<i>[Signature]</i>
4	07/08/2024	Relative and Cumulative Frequencies	PPT	07-08-24	<i>[Signature]</i>
5	08/08/2024	Histogram	" "	08-08-24	<i>[Signature]</i>
6	09/08/2024	Frequency Polygon	" "	09-08-24	<i>[Signature]</i>
7	13/08/2024	Ogive (Cumulative Frequency Curve)	T, WB	13-08-24	<i>[Signature]</i>
8	14/08/2024	Bar Graphs and Pie Charts	" "	14-08-24	<i>[Signature]</i>
9	16/08/2024	Line Graphs and Time Series Graphs	" "	16-08-24	<i>[Signature]</i>
10	21/08/2024	Comparative Graphical Representation	" "	21-08-24	<i>[Signature]</i>
					Review by Principal
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	
10	10	21-8-24	<i>[Signature]</i>	<i>[Signature]</i>	
UNIT III - NUMERICAL DESCRIPTIVE MEASURES					
1	22/08/2024	Introduction to Measures of Central Tendency	" "	22-08-24	<i>[Signature]</i>



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2	23/08/2024	Definition and Properties of Arithmetic Mean		T, WB	23-08-24	HoD
3	27/08/2024	Calculation of Arithmetic Mean (Ungrouped Data)		" "	27-08-24	HoD
4	30/08/2024	Calculation of Arithmetic Mean (Grouped Data)		" "	30-08-24	HoD
5	03/09/2024	Median – Concept and Calculation (Ungrouped Data)		" "	3-9-24	HoD
6	05/09/2024	Median – Calculation (Grouped Data)		T, WB, PPT	5-9-24	HoD
7	11/09/2024	Mode – Concept and Calculation (Ungrouped Data)		" "	11-09-24	HoD
8	12/09/2024	Mode – Calculation (Grouped Data)		" "	12-9-24	HoD
9	24/09/2024	Geometric Mean – Concept and Formula		" "	24-09-24	HoD
10	25/09/2024	Calculation of Geometric Mean		" "	25-9-24	HoD
11	03/10/2024	Harmonic Mean – Concept and Formula		" "	3-10-24	HoD
12	04/10/2024	Calculation of Harmonic Mean		" "	4-10-24	HoD
13	08/10/2024	Comparison between Mean, Median, Mode, Geometric Mean and Harmonic Mean		" "	8-10-24	HoD
14	09/10/2024	Introduction to Partition Values (Quartiles, Deciles, Percentiles)		" "	9-10-24	HoD
15	10/10/2024	Calculation of Partition Values (Ungrouped and Grouped Data)		" "	10-10-24	HoD
16	11/10/2024	Introduction to Measures of Dispersion		" "	10-10-24	HoD
17	17/10/2024	Range and Interquartile Range		" "	17-10-24	HoD
18	18/10/2024	Mean Deviation and Standard Deviation		" "	18-10-24	HoD
19	22/10/2024	Concept of Skewness		" "	22-10-24	HoD
20	23/10/2024	Concept of Kurtosis		" "	23-10-24	HoD
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal	
20	20	23-10-24	J. S. Pillai	Samy		
MODULE IV -PROBABILITY						
1	24/10/2024	Random Experiment		" "	24-10-24	HoD
2	25/10/2024	Sample Space		" "	25-10-24	HoD
3	29/10/2024	Events		" "	29-10-24	HoD
4	30/10/2024	Conceptual Approach to Probability (Classical)		" "	30-10-24	HoD
5	01/11/2024	Conceptual Approach to Probability (Empirical)		" "	1-11-24	HoD



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6	05/11/2024	Conceptual Approach to Probability (Axiomatic)			T, WB	5-11-24	g/ole
7	06/11/2024	Addition Theorem (Two Events)			" "	6-11-24	g/ole
8	07/11/2024	Addition Theorem (Three Events)			" "	7-11-24	g/ole
9	08/11/2024	Conditional Probability			" "	8-11-24	g/ole
10	12/11/2024	Multiplication Theorem of Probability			" "	12-11-24	g/ole
11	13/11/2024	Independent Events			" "	13-11-24	g/ole
12	14/11/2024	Pairwise and Mutual Independence			" "	14-11-24	g/ole
13	15/11/2024	Bayes' Theorem			" "	15-11-24	g/ole
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
13	13	15-11-24	g/ole	Sharshad			

COURSE PLAN - STA1MN101 (P)

FACULTY

g/ole

HOD

SHARSHAD AMEERA.U
Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
Wandoor, Malappuram Dt.

PRINCIPAL

Asst. Professor
In charge of Principal
Ambedkar College of Arts & Science
Wandoor



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Course outcome –Program outcome Mapping Table

BCM4C04 QUANTITATIVE TECHNIQUES FOR BUSINESS		Cognitive level	Program outcomes											
			1- Moderate Correlation 2- High correlation											
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
DIRECT METHOD														
CO1	Describe different types of data	Remember	1		1	1	1				1			
CO2	Compare and differentiate various types of data	Apply	3		1	1	3				1			
CO3	Visualize different types of data and analyze data to help entrepreneurial decisions using critical thinking skills.	Apply & Analyze	1	2	1	2	2			3	1	1		
CO4	Summarize various descriptive measures of data and critically evaluate ethical implications of statistical methods aligning with human values.	Create	1	1	1	2	1	3			1		2	
CO5	Define basic terms in probability	Innovate	2		1	1	1				2			
INDIRECT METHOD														
Class Room contests		Analyze & Create	1						1	3				1

Course Faculty

J. G. Small

IQAC Member

[Signature]

HoD

[Signature]
 SHARSHAD AMEERU
 Asst. Professor & Head
 Department of Mathematics
 Ambedkar College of Arts & Science
 Wandoor, Malappuram Dt.



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COURSE PRE-ANALYSIS

Dear Students,

Welcome back to class, I would like to thank all of you for sparing your time in filling up this Course Pre-Analysis survey for the effective conduct of Computer Aided Design and Manufacturing Course. As you know that this survey is meant for knowing the knowledge level of the students with respect to this course, please fill it very carefully. At this juncture, I am glad to welcome the suggestions from you all (if any).

Rate your prior knowledge about the topics mentioned below

Course Outcomes	Description	Rate your prior knowledge about the topics			
		Excellent (4)	Good (3)	Moderate (2)	Fair (1)
CO1	Describe different types of data		3		
CO2	Compare and differentiate various types of data			2	
CO3	Visualize different types of data and analyze data to help entrepreneurial decisions using critical thinking skills.			2	
CO4	Summarize various descriptive measures of data and critically evaluate ethical implications of statistical methods aligning with human values.				1
CO5	Define basic terms in probability				1

Name of the student:

Signature of the student

Thanha Falthimia

Thanha



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Course outcome –Program Specific outcome Mapping Table

Course outcomes	Program Specific outcomes		
	PSO1	PSO2	PSO3
CO1	✓		✓
CO2	✓	✓	✓
CO3	✓	✓	
CO4	✓	✓	✓
CO5	✓	✓	

Course Faculty

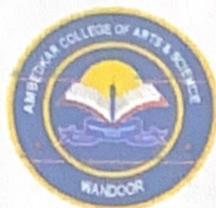
[Handwritten Signature]

JQAC Member

[Handwritten Signature]

HoD

[Handwritten Signature]
SHARSHAD AMEERA.U
Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
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DIRECT ASSESSMENT OF COURSE OUTCOMES

INTERNAL ASSESSMENT TESTMARKS

()

Objective	To Identify What Students Have Learned and also to identify students strength and weakness		
To file	Answer scripts	Frequency	2 times in a semester on dates specified by University
Format	.		
Evaluation	Based on answer given in the scripts		

ASSIGNMENT: MARKS

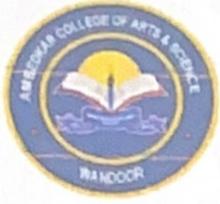
Objective	To enhance students understanding of a complex structural problems		
Product	Hand written assignment sheets		
Frequency	Monthly or after completing improvement test		
Format	Questions from both question papers		
Evaluation	Based on rubrics		
Criteria	No. of assignments: 3 to 5, Submit on or before the date of submission		

END SEMESTER EXAMINATION 100 MARKS (Reduced to 70Marks)

Objective	To assess the each student's knowledge of the course			
Product	Result analysis			
Frequency	Semester			
Format	Part -A 10 x 2 =20 marks, Part -B 5 x 16 = 80 marks, Total marks = 100, Duration : 2 hours			
Evaluation	Based on answer given in the scripts			
Marks out of 100	30-50	50- 70	71-100	0-50
Levels of attainment	1	2	3	Counseling / Coaching classes.

Attainment Levels of COs

STA1MN101-Descriptive Statistics for Data Science			Attainment
Assessment Methods	Target-Attainment Levels		
Internal Assessment	Level 1	50% of students scoring more than 35% marks in internal assessment tools	LEVEL 03
	Level 2	60% of students scoring more than 35% marks in internal assessment tools	
	Level 3	70% of students scoring more than 35% marks in internal assessment tools	
Assessment Methods	Target-Attainment Levels		Attainment
University Assessment	Level 1	50% of students scoring more than 35% marks in UE assessment tools	LEVEL 03
	Level 2	60% of students scoring more than 35% marks in UE assessment tools	
	Level 3	70% of students scoring more than 35% marks in UE assessment tools	



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DEPARTMENT OF STATISTICS

CO ATTAINMENT - IA TEST MARKS (ODD SEM. 2024-2025)

SemI

STA1MN101-Descriptive Statistics for Data Science

Name of the faculty member: HIMA KC

Sl. No.	Name of the student	REG NO	IA TEST	COURSE OUTCOMES	
			Q1 TO Q14	IA TEST	
			CO1 TO CO5	CO1 TO CO5	
Max. Marks			30	%age	Y/N
1	ASHIQA EP	UFAYBCM011	12	40	Y
2	FATHIMA RASHA N	UFAYAEG024	12	40	Y
3	ANSHIDHA K	UFAYAEG010	12	40	Y
4	JABINSHA M	UFAYAEG030	18	60	Y
5	JINSHILA KP	UFAYAEG032	12	40	Y
6	LINU FALILA K	UFAYAEG033	24	80	Y
7	JASLA M	UFAYAEG031	30	100	Y
8	ADITHYA U	UFAYSMT001	30	100	Y
9	AMRITHA . P . T	UFAYSMT002	18	60	Y
10	ANIYA P P	UFAYSMT003	24	80	Y
11	ANUSREE C T	UFAYSMT004	24	80	Y
12	AYISHA NAHRIN CP	UFAYSMT005	30	100	Y
13	FADHIL A K	UFAYSMT006	18	60	Y
14	FIDA MK	UFAYSMT007	24	80	Y
15	HIBA K T	UFAYSMT008	30	100	Y
16	MAHMOOD MUHYUDHEEN CK	UFAYSMT009	30	100	Y
17	MAJIDA SHERIN K K	UFAYSMT010	30	100	Y
18	MUHAMMED ASMIL A P	UFAYSMT011	24	80	Y
19	MUHAMMED FAHIZ T P	UFAYSMT012	18	60	Y
20	MUHAMMED SALIM NK	UFAYSMT013	24	80	Y
21	NAJA NASRIN . P	UFAYSMT014	18	60	Y
22	NIDHA SAFRY M	UFAYSMT015	24	80	Y
23	RABIYATHUL ADHBIYYA	UFAYSMT016	18	60	Y
24	RIFANA K	UFAYSMT017	18	60	Y
25	RIHANA K	UFAYSMT018	18	60	Y
26	SHAHANA T P	UFAYSMT019	18	60	Y
27	SHIBIYA JEBIN T H	UFAYSMT020	30	100	Y
28	SULAIKHA FAHMA P	UFAYSMT021	30	100	Y
29	THANHA FATHIMA K	UFAYSMT022	24	80	Y
31					
				29	
				100.00	
	FOR LAL (MAT5B08)	CO1 to CO5			
	TARGET: 50% C	100.0			



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DEPARTMENT OF STATISTICS

CO ATTAINMENT - ASSIGNMENT(ODD SEM. 2024-2025)

Sem. I

Name of the faculty member: HIMA KC

Sl. No.	Name of the student	REG NO	Max. Marks	ASSIGNMENT		SEMINAR	COURSE OUTCOMES				
				CO1 to CO5	CO4 to CO5		CO1 - 5		CO4 - 5		
				2	3	%age	Y/N	%age	Y/N		
1	ASHIQA EP	UFAYBCM011		2	3	100	Y	100	Y		
2	FATHIMA RASHA N	UFAYAEG024		2	3	100	Y	100	Y		
3	ANSHIDHA K	UFAYAEG010		2	3	100	Y	100	Y		
4	JABINSHA M	UFAYAEG030		2	3	100	Y	100	Y		
5	JINSHILA KP	UFAYAEG032		2	3	100	Y	100	Y		
6	LINU FALILA K	UFAYAEG033		2	3	100	Y	100	Y		
7	JASLA M	UFAYAEG031		2	3	100	Y	100	Y		
8	ADITHYA U	UFAYSMT001		2	3	100	Y	100	Y		
9	AMRITHA . P . T	UFAYSMT002		2	3	100	Y	100	Y		
10	ANIYA P P	UFAYSMT003		2	3	100	Y	100	Y		
11	ANUSREE C T	UFAYSMT004		2	3	100	Y	100	Y		
12	AYISHA NAHRIN CP	UFAYSMT005		2	3	100	Y	100	Y		
13	FADHILA K	UFAYSMT006		2	3	100	Y	100	Y		
14	FIDA MK	UFAYSMT007		2	3	100	Y	100	Y		
15	HIBA K T	UFAYSMT008		2	3	100	Y	100	Y		
16	MAHMOOD MUHYUDHEEN CK	UFAYSMT009		2	3	100	Y	100	Y		

17	MAJIDA SHERIN K K	UFAYSMT010	2	3	100	Y	100	Y	100	Y
18	MUHAMMED ASMILA P	UFAYSMT011	2	3	100	Y	100	Y	100	Y
19	MUHAMMED FAHIZ T P	UFAYSMT012	2	3	100	Y	100	Y	100	Y
20	MUHAMMED SALIM NK	UFAYSMT013	2	3	100	Y	100	Y	100	Y
21	NAJA NASRIN . P	UFAYSMT014	2	3	100	Y	100	Y	100	Y
22	NIDHA SAFRY M	UFAYSMT015	2	3	100	Y	100	Y	100	Y
23	RABIYATHUL ADHBIYYA	UFAYSMT016	2	3	100	Y	100	Y	100	Y
24	RIFANA K	UFAYSMT017	2	3	100	Y	100	Y	100	Y
25	RIHANA K	UFAYSMT018	2	3	100	Y	100	Y	100	Y
26	SHAHANA T P	UFAYSMT019	2	3	100	Y	100	Y	100	Y
27	SHIBIYA JEBIN T H	UFAYSMT020	2	3	100	Y	100	Y	100	Y
28	SULAIKHA FAHMA P	UFAYSMT021	2	3	100	Y	100	Y	100	Y
29	THANHA FATHIMA K	UFAYSMT022	2	3	100	Y	100	Y	100	Y
30										
					29		29			
							100.00			100.00

FOR LAL (MTS5B08)	CO1 TO 3	CO4 TO 5
	100.00	100.00

TARGET: 1) 90% OF STUDENTS WILL SCORE 35% OF MARKS IN ASSIGNMENT



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DEPARTMENT OF STATISTICS

CO ATTAINMENT - THIRD SEMESTER EXAM MARKS (ODD SEM . 2024-2025)

Sem.I

Course: STA1MN101-Descriptive Statistics for Data Science

S+A 9+A 6:F+	Name of the student	REG NO	COURSE OUTCOM O 1 TO CO	CO ATTAINMENT	
				CO 1 TO CO5	
		Max. Marks	40	%age	Y/N
1	ASHIQA EP	UFAYBCM011	24	60	Y
2	FATHIMA RASHA N	UFAYAEG024	28	70	Y
3	ANSHIDHA K	UFAYAEG010	26	65	Y
4	JABINSHA M	UFAYAEG030	28	70	Y
5	JINSHILA KP	UFAYAEG032	25	62.5	Y
6	LINU FALILA K	UFAYAEG033	24	60	Y
7	JASLA M	UFAYAEG031	32	80	Y
8	ADITHYA U	UFAYSMT001	32	80	Y
9	AMRITHA . P . T	UFAYSMT002	28	70	Y
10	ANIYA P P	UFAYSMT003	32	80	Y
11	ANUSREE C T	UFAYSMT004	20	50	Y
12	AYISHA NAHRIN CP	UFAYSMT005	36	90	Y
13	FADHIL A K	UFAYSMT006	24	60	Y
14	FIDA MK	UFAYSMT007	32	80	Y
15	HIBA K T	UFAYSMT008	28	70	Y
16	MAHMOOD MUHYUDHEEN CK	UFAYSMT009	32	80	Y
17	MAJIDA SHERIN K K	UFAYSMT010	28	70	Y
18	MUHAMMED ASMIL A P	UFAYSMT011	32	80	Y
19	MUHAMMED FAHIZ T P	UFAYSMT012	24	60	Y
20	MUHAMMED SALIM NK	UFAYSMT013	32	80	Y
21	NAJA NASRIN . P	UFAYSMT014	28	70	Y
22	NIDHA SAFRY M	UFAYSMT015	32	80	Y
23	RABIYATHUL ADHBIYYA	UFAYSMT016	32	80	Y
24	RIFANA K	UFAYSMT017	20	50	Y
25	RIHANA K	UFAYSMT018	28	70	Y
26	SHAHANA T P	UFAYSMT019	20	50	Y
27	SHIBIYA JEBIN T H	UFAYSMT020	40	100	Y
28	SULAIKHA FAHMA P	UFAYSMT021	32	80	Y
29	THANHA FATHIMA K	UFAYSMT022	36	90	Y
				29	

				100.00
		FOR L&L (MTS5B08)	CO1 to CO5	
			100.00	
TARGET: 75% OF STUDENTS WILL SCORE 35% OF MARKS				



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DEPARTMENT OF STATISTICS

DIRECT ASSESSMENT METHOD - CO ATTAINMENT (ODD SEM . 2023-2024)

Semester: I

Course: STA1MN101-Descriptive Statistics for Data Science

Name of the faculty member: HIMA KC

TARGET: 60% ATTAINMENT

COs	CO1 to CO5
IA MARKS ATTAINMENT	100
ASSIGNMENT	100
SEMINAR	100
FINAL EXAM ATTAINMENT	100
AVERAGE	100





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DEPARTMENT OF STATISTICS

COURSE EXIT SURVEY RESPONSES (ODD SEM . 2024-2025)

Semester: I Course: STA1MN101-Descriptive Statistics for Data Science

Name of the faculty member: HIMMA KC

Sl. No.	NAME OF THE STUDENT	REG NO	CO1 Are you able to Understand different types of data	CO2 Are you able to Compare and differentiate various types of data	CO3 Are you able to Visualize different types of data and analyze data to help entrepreneurial decisions using critical thinking skills.	CO4 Are you able to Summarize various descriptive measures of data and critically evaluate ethical implications of statistical methods aligning with human values.	CO5 Are you able to understand basic terms in probability
OUTCOMES							
1	ASHIQA EP	UFAYBCM011	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (Excellent)
2	FATHIMA RASHA N	UFAYAE024	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)
3	ANSHIDHA K	UFAYAE010	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
4	JABINSHA M	UFAYAE030	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
5	JINSHILA KP	UFAYAE032	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
6	LINU FALIILA K	UFAYAE033	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
7	JASLA M	UFAYAE031	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
8	ADITHYA U	UFAYSMT001	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
9	AMRITHA . P . T	UFAYSMT002	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
10	ANIYA P P	UFAYSMT003	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
11	ANUSREE C T	UFAYSMT004	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
12	AYISHA NAHRIN CP	UFAYSMT005	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
13	FADHILA K	UFAYSMT006	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)

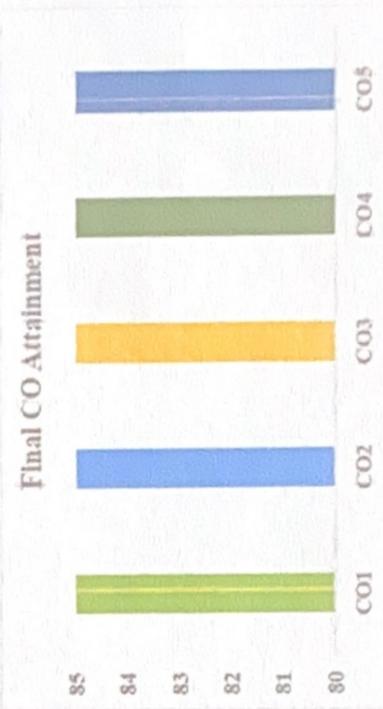


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DEPARTMENT OF STATISTICS
 COURSE EXIT SURVEY RESPONSES (ODD SEM . 2024-2025)

Semester: I	Name of the faculty member: HIMA KC	Course: STA1MN101-Descriptive Statistics for Data Science	No. of students given the ratings					Total Responses	Weighted Average	CO Max. Count	%age CO attainment
			0	1	2	3	4				
CO1	Describe different types of data	Are you able to Understand different types of data	0	0	0	0	7	23	3.76	5	75.26
CO2	Compare and differentiate various types of data	Are you able to Compare and differentiate various types of data	0	0	0	0	7	23	3.76	5	75.26
CO3	Visualize different types of data and analyze data to help entrepreneurial decisions using critical thinking skills.	Are you able to Visualize different types of data and analyze data to help entrepreneurial decisions using critical thinking skills.	0	0	0	0	7	23	3.76	5	75.26
CO4	Summarize various descriptive measures of data and critically evaluate ethical implications of statistical methods aligning with human values	Are you able to Summarize various descriptive measures of data and critically evaluate ethical implications of statistical methods aligning with human values	0	0	0	0	6	24	3.79	5	75.79
CO5	Define basic terms in probability	Are you able to understand basic terms in probability	0	0	0	0	6	24	3.79	5	75.79

CO Assessment method	CO1	CO2	CO3	CO4	CO5
Direct method (IA Test, Assignment/quiz and exam)	100	100	100	100	100
Weightage (80%)	80	80	80	80	80
Indirect method (Course Exit Survey)	75.26	75.26	75.26	75.79	75.79
Weightage (20%)	15.05	15.05	15.05	15.16	15.16
Final CO Attainment	95.05	95.05	95.05	95.16	95.16





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DEPARTMENT OF CIVIL ENGINEERING
CO-PO-PSO MAPPING (ODD SEM . 2023-2024)

Course: STA1MN101-Descriptive Statistics for Data Science

Semester: I

Name of the faculty member: HIMA KC

(I) CO Attainment

A: Direct assessment (80%)-Tests, Assignment, Examination
B: Indirect assessment (20%)-Course end survey

COs	Mapping of POs	Mapping of PSOs	Direct Assessment (a)	Indirect Assessment (b)	Overall Attainment 0.8 (a) + 0.2(b)	Target (%)	Attainment
CO1	PO1, PO3, PO4 & PO9	PSO1, PSO2 & PSO3	100	75.26	95		
CO2	PO1, PO3, PO5 & PO7	PSO1, PSO2 & PSO3	100	75.26	95		
CO3	PO1, PO2, PO3, PO5 & PO9	PSO1, PSO2 & PSO3	100	75.26	95	75	YES
CO4	PO1; PO3, PO4, PO5 & PO8	PSO1, PSO2 & PSO3	100	75.79	95		
CO5	PO1, PO4, PO5, PO7 & PO8	PSO1, PSO2 & PSO3	100	75.79	95		

FACULTY

Hima KC

SHARDA HOD MEERA.U
 Asst. Professor & Head
 Department of Mathematics
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[Signature]
PRINCIPAL
 Asst. Professor
 In charge of Principal
 Ambedkar College of Arts & Science
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