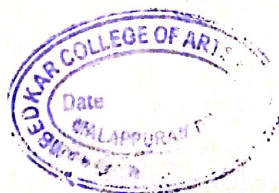




COURSE PLAN											
Course code and title	MTS5 D04 MATHEMATICS FOR DECISION MAKING										
Class	BSc Mathematics				Semester	5 th Semester					
Regulation	2019				Academic year	2024-25					
Course prerequisites	Background of basic science at plus two level										
Course objectives	• Develop Quantitative Reasoning Skills										
	• Apply Mathematical Models to Solve Problems										
	• Enhance Critical Thinking and Problem-Solving Abilities										
COURSE OUTCOMES											
At the end of the course the student would be able to...											
CO1	Apply Mathematical Concepts to Real-Life Problems										
CO2	Use Data to Make Informed Decisions										
CO3	Construct and Analyze Mathematical Models										
CO4	Evaluate Risk and Uncertainty Using Probability										
CO5	Communicate Mathematical Reasoning Effectively										
MAPPING OF PROGRAM OUTCOMES											
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
CO1	✓		✓		✓		✓	✓			
CO2	✓	✓	✓		✓		✓				
CO3	✓						✓	✓	✓		
CO4	✓		✓		✓					✓	
CO5	✓	✓		✓			✓			✓	
PO1	Knowledge Acquisition					PO6	Ethics & Social Responsibility				
PO2	Communication & Leadership					PO7	Research, Innovation & Entrepreneurship				

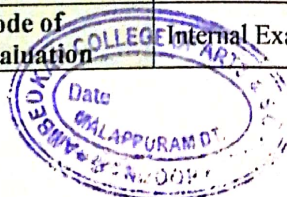


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PO3	Professional Skills	PO8	Lifelong Learning			
PO4	Digital Intelligence	PO9	Global Perspective			
PO5	Scientific awareness & Critical Thinking	PO10	Democratic Co-existence			
PROGRAM SPECIFIC OUTCOMES						
PSO1	Theoretical and Applied Mathematics Competency					
PSO2	Advanced Analytical and Computational Techniques					
PSO3	Mathematical Modeling and Problem-Solving					
MAPPING OF COURSE OUTCOMES TO PROGRAM EDUCATIONAL OUTCOMES						
PROGRAM EDUCATIONAL OUTCOMES		COURSE OUTCOMES				
		CO1	CO2	CO3	CO4	CO5
PEO1					✓	✓
PEO2		✓		✓		✓
PEO3		✓		✓	✓	
TEXT BOOKS: Elementary Statistics: Picturing the World (6/e) Ron Larson & Betsy Farber <i>Pearson Education, Inc (2015) ISBN: 978-0-321-91121-6</i>						
REFERENCES: Mario F. Triola: Elementary Statistics(13/e) : <i>Pearson Education, Inc(2018) ISBN: 9780134462455</i>						
2 Neil A. Weiss: Elementary Statistics(8/e) <i>Pearson Education, Inc(2012) ISBN: 978-0-321-69123-1</i>						
3 Nancy Pfenning: Elementary Statistics: Looking at Big Picture <i>Brooks/Cole Cengage Learning(2011) ISBN: 978-0-495-01652-6</i>						
4 Frederick J Gravetter, Larry B. Wallnau: Statistics for the Behavioral Sciences (10/e) <i>Cengage Learning(2017) ISBN: 978-1-305-50491-2</i>						
5 Seymour Lipschutz, John J. Schiller, R. Alu Srinivasan: Beginning Finite Mathematics <i>Schaum's Outline Series, McGraw-Hill(2005)</i>						
6 Michael Sullivan: Finite Mathematics An Applied Approach(11/e) <i>John Wiley & Sons, Inc(2011)ISBN: 978-0470-45827-3</i>						
e-learning resources	https://www.coursera.org/specializations/analytics-for-decision-making?utm					
Mode of Evaluation	Internal Examination (20%) End Semester Examination (80%)					



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acaswandoor@gmail.com, Website: www.ambedkarcollegewdr.in

Faculty	Shamna Sherin P, Assistant Professor (on contract) / Department of Mathematics
e-mail id	shamnasherinpwr@gmail.com

COURSE PLAN BCM4C04 QUANTITATIVE TECHNIQUES FOR BUSINESS

No of lecture hours	Planned Date	Topics to be covered			Reference/ Teaching aids and methods	Actual date	Week ly review
MODULE I							
1	22/08/24	An Overview of Statistics			T1/WB	23/8/24	
2	23/08/24	Data Classification			T1/WB	29/8/24	
3	29/08/24	Data Collection and Experimental Design			WB	30/8/24	
4	30/08/24	Frequency Distributions and their Graphs			WB	4/9/24	
5	04/09/24	More Graphs and Displays			T1/WB	4/9/24	
6	05/09/24	Measures of Central Tendency			T1/WB	5/9/24	
7	11/09/24	Measures of Variation			R2/WB	12/9/24	
8	12/09/24	Measures of Position			T1/PPT	12/9/24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
							
MODULE II							
9	23/07/24	Basic Concepts of Probability and Counting			T1/WB	30/7/24	
10	30/07/24	Basic Concepts of Probability and Counting			T1/WB	6/8/24	
11	06/08/24	Conditional Probability and the Multiplication Rule			T1/WB	20/8/24	
12	13/08/24	Conditional Probability and the Multiplication Rule			R1/WB	3/9/24	
13	27/08/24	The Addition Rule			R2/WB	17/9/24	
14	03/09/24	The Addition Rule			R2/WB	1/10/24	
15	10/09/24	Additional topics in probability and counting			T1/WB	15/10/24	
16	24/09/24	Additional topics in probability and counting			T12 WB	29/10/24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		



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MODULE III							
17	18/09/24	Probability Distributions			T1/WB	25/9/24	
18	19/09/24	Binomial Distributions			T1/WB	16/9/24	
19	25/09/24	More Discrete Probability Distributions			R1/WB	23/9/24	
20	26/09/24	Introduction to Normal distributions and Standard Normal Distributions			R2/WB	24/9/24	
21	03/10/24	Normal Distributions: Finding Probabilities			R2/WB	30/9/24	
22	09/10/24	Normal Distributions: Finding Values			R2/PPT	6/10/24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD		Review by Principal	

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Course outcome –Program outcome Mapping Table

BCM4C04 QUANTITATIVE TECHNIQUES FOR BUSINESS		Cognitive level	Program outcomes									
			1- Low correlation 2-Moderate Correlation 3- High correlation									
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DIRECT METHOD												
CO1	Apply Mathematical Concepts to Real-Life Problems	Remember	3		2		1		2	1		
CO2	Use Data to Make Informed Decisions	Apply	3	1	2		1		2			
CO3	Construct and Analyze Mathematical Models	Apply & Analyze	1						2	1	1	
CO4	Evaluate Risk and Uncertainty Probability Using	Create	2		1		1					1
CO5	Communicate Mathematical Reasoning Effectively	Innovate	2	1		2			2			1
INDIRECT METHOD												
Class Room contests		Analyze & Create	1					1	2			

Course Faculty

IQAC Member

HoD



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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	Apply Mathematical Concepts to Real-Life Problems	✓			
CO2	Use Data to Make Informed Decisions			✓	
CO3	Construct and Analyze Mathematical Models		✓		
CO4	Evaluate Risk and Uncertainty Using Probability			✓	
CO5	Communicate Mathematical Reasoning Effectively	✓			

Name of the student:

Ashiq . A

Signature of the student

Ashiq



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MTS5 D04 MATHEMATICS FOR DECISION MAKING

3 hours/week

3 credits

75marks [Int:15+Ext:60]

Elementary Statistics: Picturing the World (6/e) Ron Larson & Betsy Farber Pearson Education, Inc (2015) ISBN: 978-0-321-91121-6

Module I 14 hrs

Chapter1 Introduction to Statistics

1.1: An Overview of Statistics

1.2: Data Classification

1.3: Data Collection and Experimental Design

Chapter2 Descriptive Statistics

2.1: Frequency Distributions and their Graphs

2.2: More Graphs and Displays

2.3: Measures of Central Tendency

2.4: Measures of Variation

2.5: Measures of Position

Module II 12 hrs

Chapter3 Probability

3.1: Basic Concepts of Probability and Counting

3.2: Conditional Probability and the Multiplication Rule

3.3: The Addition Rule

3.4: Additional topics in probability and counting

Module III 22 hrs

Chapter4 Discrete Probability Distribution

4.1: Probability Distributions

4.2: Binomial Distributions

4.3: More Discrete Probability Distributions

Chapter5 Normal Probability Distribution

5.1: Introduction to Normal distributions and Standard Normal Distributions

5.2: Normal Distributions: Finding Probabilities

5.3: Normal Distributions: Finding Values



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	Statistics(13/e): Pearson Education, Inc(2018)
2	Neil A Weiss Elementary Statistics(8/e) Pearson Education, Inc(2012) ISBN: 978-0-321-69123-1
3	Nancy Pfenning: Elementary Statistics: Looking at Big Picture Brooks/Cole Cengage Learning(2011) ISBN: 978-0-495-01652-6
4	Frederick J Gravetter, Larry B Wa nau Statistics for the Behavioral Sciences (10/e) Cengage Learning(2017) ISBN: 978-1-305-50491-2
5	Seymour Lipschutz, John J Sch er R. Alu Srinivasan: Mathematics Schaum's Outline Series, McGraw-Hill(2005) Beginning Finite
6	Michael Sullivan: Finite Mathematics An Applied Approach(11/e) John Wiley & Sons, Inc(2011) ISBN: 978-0470-45827-3

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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

IQAC Member

HoD



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DIRECT ASSESSMENT OF COURSE OUTCOMES
INTERNAL ASSESSMENT TEST 15 MARKS

DIRECT ASSESSMENT OF COURSE OUTCOMES				
INTERNAL ASSESSMENT TEST 15 MARKS				
Objective	To Identify What Students Have Learned and also to identify students strength and weakness			
To file	Answer scripts	Frequency	1 times in a semester on dates specified by University	
Format	.			
Evaluation	Based on answer given in the scripts			
ASSIGNMENT:4 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: 1, Submit on or before the date of submission			
END SEMESTER EXAMINATION 100 MARKS (Reduced to 80Marks)				
Objective	To assess the each student's knowledge of the course			
Product	Result analysis			
Frequency	Semester			
Format	Part -A 12 x 2 =20 marks, Part -B 5 x 7= 30 marks, Part C-10x1=10 marks, Total marks = 60, Duration : 2 hours			
Evaluation	Based on answer given in the scripts			
Marks out of 75	23-38	38-53	53-75	0-23
Levels of attainment	1	2	3	Counseling / Coaching classes.



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DEPARTMENT OF MATHEMATICS

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

Semester: V

Course: MTS5D04 - MATHEMATICS FOR DECISION MAKING

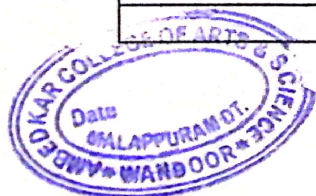
Name of the faculty member: SHAMNA SHERIN P

Sl. No.	NAME OF THE STUDENT	REG NO	Are you able to Understand Linear Programming Basics	Are you able to Formulate Linear Programming Problems	Are you able to Implement the Simplex Method	Are you able to Apply Duality Theory	Are you able to Evaluate and Apply Transportation & Assignment Problems
COURSE OUTCOMES			CO1	CO2	CO3	CO4	CO5
1	FATHIMA FIDA V P	UFAWBCM002	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (Excellent)
2	FATHIMATH NAFSIYYA	UFAWBCM004	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)
3	HIBA	UFAWBCM005	4 (Very Good)	4 (Very Good)	3 (Good)	1 (Fair)	3 (Good)
4	SHAHALA M	UFAWBCM010	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
5	SHAHMA P	UFAWBCM012	4 (Very Good)	3 (Good)	4 (Very Good)	5 (EXCELLENT)	3 (Good)
6	AMRUTHA V	UFAWBCM017	3 (Good)	3 (Good)	3 (Good)	3 (Good)	3 (Good)
7	FIDHA THASNY O P	UFAWBCM023	3 (Good)	4 (Very Good)	3 (Good)	5 (EXCELLENT)	5 (EXCELLENT)
8	HARSHA MOL K	UFAWBCM026	5 (EXCELLENT)	3 (Good)	4 (Very Good)	3 (Good)	5 (EXCELLENT)
9	ISHA MUNNA K C	UFAWBCM027	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
10	MEGHAP	UFAWBCM029	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
11	NANADANA C	UFAWBCM031	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)	5 (EXCELLENT)
12	NAYANA P	UFAWBCM032	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
13	ISANA JAGRIY P	UFAWBCM035	4 (Very Good)	3 (Good)	5 (EXCELLENT)	3 (Good)	3 (Good)

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14	SANJANA C	UFAWBCM037	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
15	SNEHA P	UFAWBCM041	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
16	SREYA P	UFAWBCM042	5 (EXCELLENT)	4 (Very Good)	3 (Good)	3 (Good)	1 (Fair)
17	THEERTHA C	UFAWBCM043	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
18	VAISHNAVI K	UFAWBCM046	3 (Good)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)
19	AHIQ A	UFAWBCM050	3 (Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
20	FAWZAN K T	UFAWBCM051	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)	4 (Very Good)
21	JITHU DAS K	UFAWBCM052	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
22	SAMSON MATHEW	UFAWBCM061	4 (Very Good)	2 (Very Fair)	4 (Very Good)	4 (Very Good)	4 (Very Good)
23	FATHIMA JINSY	UFAWAECR05	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)	5 (EXCELLENT)
24	FATHIMA NAJA T	UFAWAECR06	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)	5 (EXCELLENT)
25	HIBA SHERIN V	UFAWAECR09	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	3 (Good)
26	MOHAMMED HASHIR A P	UFAWAECR26	3 (Good)	3 (Good)	4 (Very Good)	3 (Good)	5 (EXCELLENT)
27	MUFEEEDA T	UFAWAECR12	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
28	NUBAILA SHIFA M P	UFAWAECR15	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	3 (Good)	3 (Good)
29	RIBA K	UFAWAECR16	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)
30	SHABEEBA M	UFAWAECR21	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
31	SHAHMA RINU A M	UFAWAECR22	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)
32	ANSHIDA A	UFAWAECR33	5 (EXCELLENT)	4 (Very Good)	3 (Good)	3 (Good)	1 (Fair)
33	BAYAAN PEROOKKADAN	UFAWAECR36	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
34	HIBA THASNI M	UFAWAECR42	3 (Good)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)
35	RINSHA P	UFAWAECR49	3 (Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
		No. of graded "0"	0	0	0	0	0
		No. of graded "1"	0	0	0	1	2
		No. of graded "2"	0	1	0	0	0
		No. of graded "3"	8	9	9	13	8
		No. of graded "4"	18	20	17	13	13



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No. of graded "5"	9	5	9	8	12
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DIRECT ASSESSMENT METHOD - CO ATTAINMENT (ODD SEM . 2024-2025)

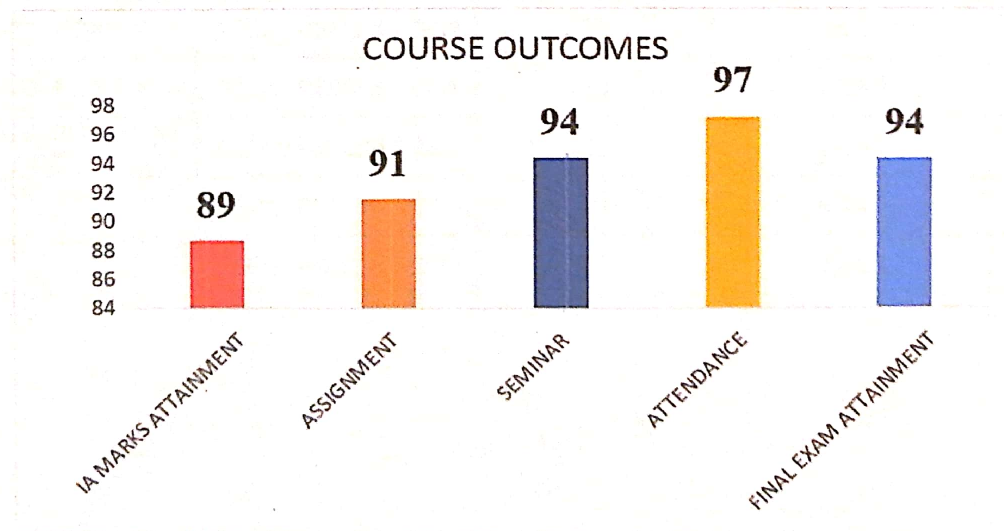
Semester: V

Course: MTS5D04 - MATHEMATICS FOR DECISION MAKING

Name of the faculty member: SHAMNA SHERIN P

TARGET: 60% ATTAINMENT

COs	CO1 to CO5
IA MARKS ATTAINMENT	89
ASSIGNMENT	91
SEMINAR	94
ATTENDANCE	97
FINAL EXAM ATTAINMENT	94
AVERAGE	93




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DEPARTMENT OF MATHEMATICS
CO-PO-PSO MAPPING (ODD SEM . 2024-2025)

Semester: V

Course: MTS5D04 - MATHEMATICS FOR DECISION MAKING

Name of the faculty member: SHAMNA SHERIN P

(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	Indirect Assessment	Overall Attainment	Target (%)	Attainment
			(a)	(b)	0.8 (a) + 0.2(b)		
CO1	PO1, PO3, PO4 & PO9	PSO1, PSO2 & PSO3	93	74.21	89	75	YES
CO2	PO1, PO3, PO5 & PO7	PSO1, PSO2 & PSO3	93	70.53	89		
CO3	PO1, PO2, PO3, PO5 & PO9	PSO1, PSO2 & PSO3	93	73.68	89		
CO4	PO1, PO3, PO4, PO5 & PO8	PSO1, PSO2 & PSO3	93	69.47	88		
CO5	PO1, PO4, PO5, PO7 & PO8	PSO1, PSO2 & PSO3	93	72.63	89		

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Attainment Levels of COs

Course Name: ENG5B09- Language and Linguistics			
Assessment Methods		Target-Attainment Levels	Attainment
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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CO ATTAINMENT - ASSIGNMENT(ODD SEM. 2024-2025)

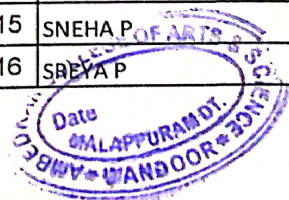
Sem.: V

Course: MTS5D04 - MATHEMATICS FOR DECISION MAKING

Name of the faculty member:

SHAMNA SHERIN P

Name of the faculty member											
Sl. No.	Name of the student	REG NO	ASSIGNMENT	SEMINAR	ATTENDANCE	COURSE OUTCOMES				ATTENDANCE	
			CO1 to CO5	CO4 to CO5		CO1 - 5		CO4 - 5			
		Max. Marks	3	3	3	%age	Y/N	%age	Y/N	%age	Y/N
1	FATHIMA FIDA V P	UFAWBCM002	3	3	3	100	Y	100	Y	100	Y
2	FATHIMATH NAFSIYYA	UFAWBCM004	3	3	2	100	Y	100	Y	66.6667	Y
3	HIBA	UFAWBCM005	3	3	3	100	Y	100	Y	100	Y
4	SHAHALA M	UFAWBCM010	3	3	3	100	Y	100	Y	100	Y
5	SHAHMA P	UFAWBCM012	3	3	2	100	Y	100	Y	66.6667	Y
6	AMRUTHA V	UFAWBCM017	3	3	3	100	Y	100	Y	100	Y
7	FIDHA THASNY O P	UFAWBCM023	3	3	3	100	Y	100	Y	100	Y
8	HARSHA MOL K	UFAWBCM026	3	3	3	100	Y	100	Y	100	Y
9	ISHA MUNNA K C	UFAWBCM027	3	3	2	100	Y	100	Y	66.6667	Y
10	MEGHA P	UFAWBCM029	3	3	3	100	Y	100	Y	100	Y
11	NANADANA C	UFAWBCM031	3	3	3	100	Y	100	Y	100	Y
12	NAYANA P	UFAWBCM032	3	3	3	100	Y	100	Y	100	Y
13	SANA JASI M P	UFAWBCM035	3	3	2	100	Y	100	Y	66.6667	Y
14	SANJANA C	UFAWBCM037	3	3	2	100	Y	100	Y	66.6667	Y
15	SNEHA P	UFAWBCM041	3	3	1	100	Y	100	Y	33.3333	Y
16	SREYA P	UFAWBCM042	3	3	3	100	Y	100	Y	100	Y



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17	THEERTHA C	UFAWBCM043	3	3	3	100	Y	100	Y	100	Y
18	VAISHNAVI K	UFAWBCM046	3	3	3	100	Y	100	Y	100	Y
19	AHIQ A	UFAWBCM050	3	3	3	100	Y	100	Y	100	Y
20	FAWZAN K T	UFAWBCM051	3	3	3	100	Y	100	Y	100	Y
21	JITHU DAS K	UFAWBCM052	3	3	3	100	Y	100	Y	100	Y
22	SAMSON MATHEW	UFAWBCM061	3	3	3	100	Y	100	Y	100	Y
23	FATHIMA JINSY	UFAWAECR05	3	3	2	100	Y	100	Y	66.6667	Y
24	FATHIMA NAJA T	UFAWAECR06	3	3	3	100	Y	100	Y	100	Y
25	HIBA SHERIN V	UFAWAECR09	3	3	3	100	Y	100	Y	100	Y
26	MOHAMMED HASHIR A P	UFAWAECR26	3	3	3	100	Y	100	Y	100	Y
27	MUFEEDA T	UFAWAECR12	0	0	0	0	N	0	N	0	N
28	NUBAILA SHIFA M P	UFAWAECR15	3	3	3	100	Y	100	Y	100	Y
29	RIBA K	UFAWAECR16	3	3	3	100	Y	100	Y	100	Y
30	SHABEEBA M	UFAWAECR21	3	3	3	100	Y	100	Y	100	Y
31	SHAHMA RINU A M	UFAWAECR22	3	3	3	100	Y	100	Y	100	Y
32	ANSHIDA A	UFAWAECR33	3	3	2	100	Y	100	Y	66.6667	Y
33	BAYAAN PEROOKKADAN	UFAWAECR36	3	3	3	100	Y	100	Y	100	Y
34	HIBA THASNI M	UFAWAECR42	3	3	3	100	N	100	Y	100	Y
35	RINSHA P	UFAWAECR49	0	0	1	0	N	0	N	33.3333	Y
						32		33		34	
						91.43		94.29		97.14	

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

FOR LAL (MTS5D04)	CO1 TO 3	CO4 TO 5	ATTENDAN
	91.43	94.29	97.14



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DEPARTMENT OF MATHEMATICS

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

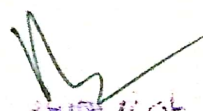
Sem.: V

se:MTS5D04 - MATHEMATICS FOR DECISION MAI

Name of the faculty member: SHAMNA SHERIN P

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	FATHIMA FIDA V P	UFAWBCM002	30	100	Y
2	FATHIMATH NAFSIYYA	UFAWBCM004	30	100	Y
3	HIBA	UFAWBCM005	30	100	Y
4	SHAHALA M	UFAWBCM010	30	100	Y
5	SHAHMA P	UFAWBCM012	30	100	Y
6	AMRUTHA V	UFAWBCM017	30	100	Y
7	FIDHA THASNY O P	UFAWBCM023	30	100	Y
8	HARSHA MOL K	UFAWBCM026	25	83	Y
9	ISHA MUNNA K C	UFAWBCM027	30	100	Y
10	MEGHA P	UFAWBCM029	25	83	Y
11	NANADANA C	UFAWBCM031	25	83	Y
12	NAYANA P	UFAWBCM032	25	83	Y




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13	SANA JASI M P	UFAWBCM035	30	100	Y
14	SANJANA C	UFAWBCM037	30	100	Y
15	SNEHA P	UFAWBCM041	30	100	Y
16	SREYA P	UFAWBCM042	30	100	Y
17	THEERTHA C	UFAWBCM043	30	100	Y
18	VAISHNAVI K	UFAWBCM046	25	83	Y
19	ASHIQ A	UFAWBCM050	30	100	Y
20	FAWZAN K T	UFAWBCM051	25	83	Y
21	JITHU DAS K	UFAWBCM052	25	83	Y
22	SAMSON MATHEW	UFAWBCM061	25	83	Y
23	FATHIMA JINSY	UFAWAECR05	25	83	Y
24	FATHIMA NAJA T	UFAWAECR06	25	83	Y
25	HIBA SHERIN V	UFAWAECR09	30	100	Y
26	MOHAMMED HASHIR A P	UFAWAECR26	5	17	N
27	MUFEEDA T	UFAWAECR12	0	0	N
28	NUBAILA SHIFA M P	UFAWAECR15	25	83	Y
29	RIBA K	UFAWAECR16	30	100	Y
30	SHABEEBA M	UFAWAECR21	30	100	Y

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31	SHAHMA RINU A M	UFAWAECR22	25	83	Y
32	ANSHIDA A	UFAWAECR33	20	67	Y
33	BAYAAN PEROOKKADAN	UFAWAECR36	5	17	N
34	HIBA THASNI M	UFAWAECR42	15	50	Y
35	RINSHA P	UFAWAECR49	0	0	N
				31	
				88.57	
			CO1 to CO5		
TARGET: 50% C			88.6		




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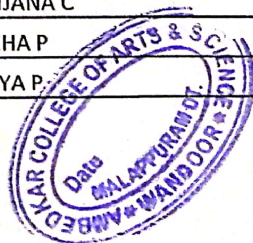
DEPARTMENT OF MATHEMATICS

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

Sem.: V

Course: MTS5D04 - MATHEMATICS FOR DECISION MAKING

S+A 9+A 6+E+	Name of the student	REG NO	COURSE OUTCOM O 1 TO CO	CO ATTAINMENT	
				CO 1 TO CO5	
		Max. Credit	30	%age	Y/N
1	FATHIMA FIDA V P	UFAWBCM002	21	70	Y
2	FATHIMATH NAFSIYYA	UFAWBCM004	18	60	Y
3	HIBA	UFAWBCM005	30	100	Y
4	SHAHALA M	UFAWBCM010	12	40	Y
5	SHAHMA P	UFAWBCM012	21	70	Y
6	AMRUTHA V	UFAWBCM017	21	70	Y
7	FIDHA THASNY O P	UFAWBCM023	15	50	Y
8	HARSHA MOL K	UFAWBCM026	24	80	Y
9	ISHA MUNNA K C	UFAWBCM027	18	60	Y
10	MEGHA P	UFAWBCM029	24	80	Y
11	NANADANA C	UFAWBCM031	15	50	Y
12	NAYANA P	UFAWBCM032	15	50	Y
13	SANA JASI M P	UFAWBCM035	24	80	Y
14	SANJANA C	UFAWBCM037	24	80	Y
15	SNEHA P	UFAWBCM041	15	50	Y
16	SREYA P	UFAWBCM042	24	80	Y




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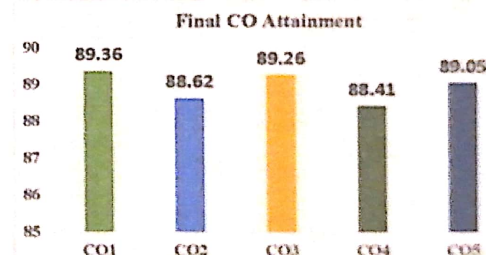


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DEPARTMENT OF ENGLISH
 COURSE EXIT SURVEY RESPONSES (ODD SEM. 2024-2025)

Semester: V		Course MTS5D04 - MATHEMATICS FOR DECISION MAKING										
Name of the faculty member: SHAMNA SHERIN P												
CO No.	CO description	Course Exit Survey Questions	No. of students given the ratings						Total Responses	Weighted Average	CO Max. Count	%age CO attainment
			0	1	2	3	4	5				
CO1	Understanding Linear Programming Basics	Are you able to Understand Linear Programming Basics	0	0	0	8	18	9	35	3.71	5	74.21
CO2	Formulation of Linear Programming Problems	Are you able to Formulate Linear Programming Problems	0	0	1	9	20	5	35	3.53	5	70.53
CO3	Implementation of the Simplex Method	Are you able to Implement the Simplex Method	0	0	0	9	17	9	35	3.68	5	73.68
CO4	Application of Duality Theory	Are you able to Apply Duality Theory	0	1	0	13	13	8	35	3.47	5	69.47
CO5	Evaluation and Application of Transportation & Assignment Problems	Are you able to Evaluate and Apply Transportation & Assignment Problems	0	2	0	8	13	12	35	3.63	5	72.63

CO Assessment method	CO1	CO2	CO3	CO4	CO5
Direct method (JA Test, Assignment/quiz and exam)	93	93	93	93	93
Weightage (80%)	75	75	75	75	75
Indirect method (Course Exit Survey)	74.21	70.53	73.68	69.47	72.63
Weightage (20%)	14.84	14.11	14.74	13.89	14.53
Final CO Attainment	89.36	88.62	89.26	88.41	89.05



(Signature)
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