

Faculty Course Assessment & Analysis Report (FCAAR)

Faculty Name	: Dr. Naresh Ogirala	Designation	: Associate Professor
Course Name	: Quantitative Analysis for Business Decisions	Academic Year	: 2025-26
Course Code	: 24MB04	Semester	: I- Semester
Degree	: MBA	Programme	: MBA

I. CIE

CIE Attainment					Question-CO Correlation				
Descriptive Test	Question No.	% Students Attempted	% CO Attainment	Attainment Level	CO1	CO2	CO3	CO4	CO5
MID-I	Q1a	4.00	100.00	3	1				
	Q1b	29.01	94.74	3	1				
	Q1c	64.89	90.59	3			1		
	Q1d	51.15	85.07	3	1				
	Q2a	9.16	100.00	3					
	Q2b	10.69	71.43	3		1			
	Q2c	79.39	80.77	3			1		
	Q2d	72.52	73.68	3		1			
	Q3a	89.31	17.95	1		1			
MID-II	Q1	96.18	93.65	3			1		
	Q2	67.18	30.68	1				1	
	Q3	96.95	95.28	3				1	
	Q4	96.18	83.33	3					1
Descriptive Test Attainment					2.34	2.34	3.00	2.00	3.00
Report & Presentation-1	A1	39.69	100.00	3	1				
	A2	41.98	100.00	3		1			
	A3	15.27	100.00	3			1		
Report & Presentation-2	A4	23.85	100.00	3			1		
	A5	29.23	100.00	3				1	
	A6	44.62	100.00	3					1
Report Attainment					3.00	3.00	3.00	3.00	3.00

II SEE

SEE Attainment					Question-CO Correlation				
SEE	Question No.	% Students Attempted	% CO Attainment	Attainment Level	CO1	CO2	CO3	CO4	CO5
SEE	Q1a	80.62	100.00	3	1				
	Q1b	77.52	100.00	3	1				
	2								
	Q2a	21.71	100.00	3	1				

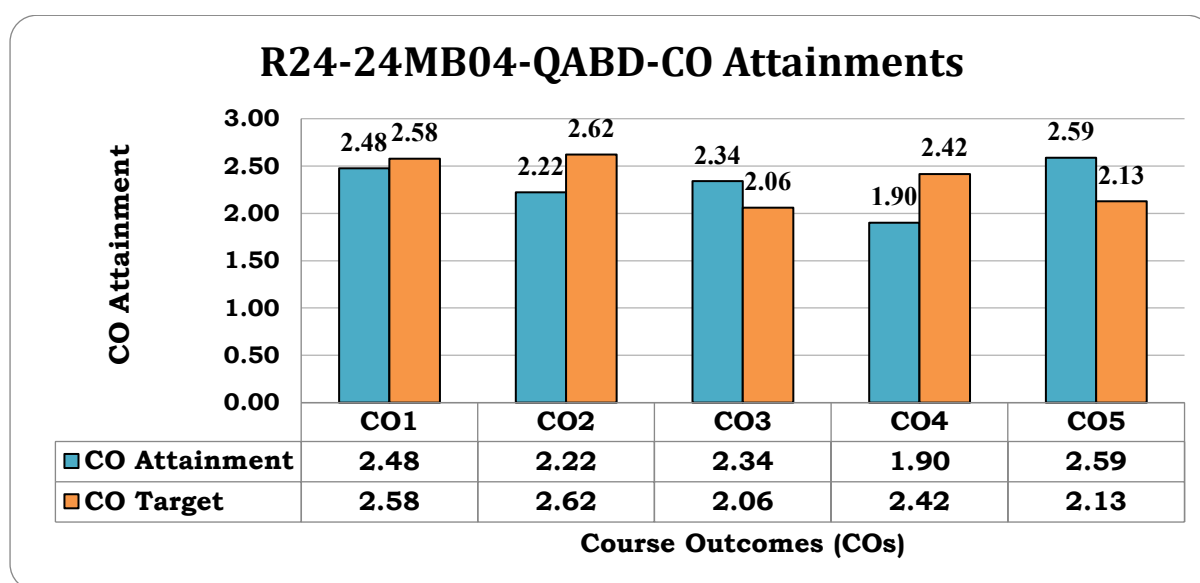
	Q2b	22.48	100.00	3	1				
	3								
	Q3a	33.33	69.77	3		1			
	Q3b								
	4								
	Q4a	72.09	64.52	3		1			
	Q4b								
	5								
	Q5a	86.05	94.59	3			1		
	Q5b								
	6								
	Q6a	25.58	84.85	3			1		
	Q6b								
	7								
	Q7a	32.56	54.76	2				1	
	Q7b	32.56	38.10	1				1	
	8								
	Q8a	38.76	46.00	2				1	
	Q8b	53.49	53.49	3				1	
	9								
	Q9a	90.70	94.02	3					1
	Q9b	92.25	89.08	3					1
	10								
	Q10a	7.75	30.00	1					
	Q10b	17.05	90.91	3					1
	11	94.57	50.00	3					1
SEE Attainment (%)					80.00	44.77	59.82	38.47	64.81
SEE Attainment					2.40	2.00	2.00	1.60	2.40

III Course End Survey

		EX	VG	G	AVG	PR	No of responses		
24MB04	COURSE END SURVEY (CES)	5	4	3	2	1			
CO1	Apply the need of using quantitative approach for effective decision-making.	71	29	7	2	0	109	91.01	2.73
CO2	Demonstrate the topic of linear programming problem and its use in practical problems for optimization.	70	28	9	2	0	109	90.46	2.71
CO3	Solve Transportation and Assignment problems using appropriate method.	70	26	12	1	0	109	90.28	2.71
CO4	Analyze various simple & advanced statistical tools and interpret data	58	34	15	2	0	109	87.16	2.61
CO5	Evaluate various components of a queuing system and description of each of them.	62	37	7	3	0	109	88.99	2.67

IV Overall CO attainment of the COURSE

Final COs Attainment Direct Assessment= (70% of SEE + 20% of Descriptive + 10% of Report& Presentation) Total = 90% OF DA+ 10% of CES					
Assessment Tool	CO1	CO2	CO3	CO4	CO5
MID Attainment Level	2.34	2.34	3.00	2.00	3.00
Report & Presentations	3.00	3.00	3.00	3.00	3.00
SEE Attainment Level	2.40	2.00	2.00	1.60	2.40
Course End Survey Attainment Level	2.73	2.71	2.71	2.61	2.67
COs Attainment (%)	2.48	2.22	2.34	1.90	2.59
CO Target (%)	2.58	2.62	2.06	2.42	2.13



V CO-PO Attainment

Mapping of COs with POs						
CO		PO1	PO2	PO3	PO4	PO5
CO1	2.48	1	2			
CO2	2.22	1		2	1	1
CO3	2.34	2		3		1
CO4	1.90	1	2		1	
CO5	2.59	1	2	1		1
Avg. PO		1.2	2	2	1	1
POs attainment		2.32	2.3	2.4	2.1	2.4

Course Instructor

Course Coordinator

Module Coordinator

HOD

Master of Business Administration

Action Taken Report

Faculty Name	Dr. Naresh Ogirala	Designation	Associate Professor
Course Name	Quantitative Analysis for Business Decisions	Academic Year	2025-26
Course Code	24MB04	Semester	I-Semester
Degree	MBA	Programme	MBA

1. Course Performance Overview

The assessment of the course was based on:

- Continuous Internal Evaluation (CIE) including Mid-I and Mid-II descriptive examinations.
- Report Writing and Presentation-I & II.
- Semester End Examination (SEE).
- Course End Survey (CES) for indirect assessment.
- Overall Course Outcome (CO) attainment was calculated using 90% Direct Assessment and 10% Indirect Assessment.

2. Observations from the Assessment

CIE Performance:

- Descriptive test attainment levels were satisfactory for **CO3 and CO5 (3.00)**, while **CO1 and CO2 recorded 2.34 and CO4 recorded 2.00**.
- Report and Presentation component achieved full attainment (3.00) across all COs.

SEE Performance:

- SEE attainment levels were comparatively **low, especially in CO4 (1.60)**.
- **CO2 and CO3** recorded an attainment level of **2.00**, while **CO1 and CO5** recorded **2.40**.
- The performance indicates a need for additional attention to statistical analysis, optimization concepts and quantitative decision-making.

3. Overall CO Attainment of the Course

Course Outcome (CO)	Target Level	Attained Level	Status
CO1	2.58	2.48	Not Achieved
CO2	2.62	2.22	Not Achieved
CO3	2.06	2.34	Achieved
CO4	2.42	1.90	Not Achieved
CO5	2.13	2.59	Achieved

4. Actions Taken for Improvement (Especially CO1, CO2 and CO4)

- Provided additional practice problems with Solutions on Linear Programming Problems, including formulation, optimization and interpretation of solutions.
- Provided Basic concepts material in the classes to focusing on statistical tools, data analysis and interpretation to improve CO4 attainment.
- Provided additional numerical exercises, practice questions and model question paper discussions based on the areas where students showed comparatively low performance.
- Used application-oriented business examples and Excel-based demonstrations to improve students' analytical and quantitative problem-solving skills.

5. Future Recommendations (planned for):

- Conducting periodic quizzes and short numerical tests to strengthen students' quantitative problem-solving ability.
- Monitoring CO-wise attainment after each internal assessment for early identification of learning gaps.
- Provide additional practice material and remedial support to slow learners, particularly in Linear Programming and Statistical Analysis.
- Encourage peer learning, group-based problem-solving and case-based analytical exercises.
- Continue the teaching and assessment practices adopted for CO3 and CO5 and extend these effective practices to CO1, CO2 and CO4 for improving future attainment.

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