

CRITERION 2 – Teaching-Learning and Evaluation


Key Indicator- 2.6 Student Performance and Learning Outcomes

2.6.2: Attainment of POs and COs are evaluated.

Assessment is one or more processes which is carried out by the institution, that identify, collect and prepare data to evaluate the achievement of course outcomes and program outcomes.

CO -PO Attainment Process

- The Course Outcomes (COs) are defined for each course using Bloom Taxonomy Levels
- Savitribai Phule Pune University - Board of Studies of respective programmes have framed COs of courses while revisions and finalizing the syllabus.
- All COs are mapped with relevant Program Outcomes (POs) and Programme Specific Outcomes (PSOs)
- This Mapping is done in three levels of relevance as; (a) Slight (Low): 1; (b) Moderate (Medium): 2; (c) Substantial (High): 3.
- The Direct and Indirect assessment tools are used for determining the CO-PO attainment.
- The weightage for direct and indirect assessment tools for the respective academic years are set.
- Direct Assessment Tools are again sub-classified as internal and external assessment tools.
- The Weightage for internal and external assessment tools are set for the respective academic year.
- Various internal assessment tools like assignments, unit tests, class tests, term end exams, quizzes, oral/ viva, case study, project review, and lab performance are used.
- The external assessment tools are examination heads conducted by Savitribai Phule Pune University like theory, practical, Industry projects etc.
- Indirect assessment tools like course exit survey and co-curricular and extra-curricular activities etc. are used.
- Statistical data obtained from these tools is tabulated and using suitable formulation the computation is done for attainment of CO with PO and PSO.
- In this way attainment of Course Outcomes and Program Outcomes are evaluated

Direct CO Attainment (90% Weightage)		Indirect CO Attainment (10% Weightage) Course Exit Survey (End of Course Survey)
Internal Assessment tools (30% Weightage)	External Assessment tools (70% Weightage)	
Concurrent Internal Evaluation (CIE I)	Theory Examination	
Concurrent Internal Evaluation (CIE II)	Computer Lab/ Practical Assessment	
Term End Examination	Industry Projects	
Computer Lab/ Practical Assessment	Viva	
Projects		



Course Coordinators shall opt for a combination of one of more CIE methods listed below.

MBA Department

Group A (Individual Assessment) – Not more than 1 per course	
1.	Class Test
2.	Open Book Test
3.	Written Home Assignment
4.	In-depth Viva-Voce
Group B (Individual Assessment) – Atleast 1 per course	
1.	Case Study
2.	Caselet
3.	Situation Analysis
4.	Presentations
Group C (Group Assessment) – Not more than 1 per course	
1.	Field Visit / Study tour and report of the same
2.	Small Group Project & Internal Viva-Voce
3.	Model Development
4.	Role Play
5.	Story Telling
6.	Fish Bowls
Group D (Creative - Individual Assessment) – Not more than 1 per course	
1.	Learning Diary
2.	Scrap Book / Story of the week / Story of the month
3.	Creating a Quiz
4.	Designing comic strips
5.	Creating Brochures / Bumper Stickers / Fliers
6.	Creating Crossword Puzzles
7.	Creating and Presenting Posters
8.	Writing an Advice Column
9.	Library Magazines based assessment
10.	Peer assessment
11.	Autobiography/Biography
12.	Writing a Memo
13.	Work Portfolio
Group E (Use of Literature / Research Publications- Individual Assessment) – Not more than 1 per course	
1.	Book Review
2.	Drafting a Policy Brief
3.	Drafting an Executive Summary
4.	Literature Review
5.	Term Paper
6.	Thematic Presentation
7.	Publishing a Research Paper
8.	Annotated Bibliography
9.	Creating Taxonomy
10.	Creating Concept maps
Group F (Use of Technology - Individual Assessment) – Not more than 1 per course	
1.	Online Exam
2.	Simulation Exercises





3.	Gamification Exercises
4.	Presentation based on Google Alerts
5.	Webinar based assessment
6.	Creating Webpage / Website / Blog
7.	Creating infographics / infomercial
8.	Creating podcasts / Newscast
9.	Discussion Boards

MCA Department

Sr. No.	Particulars
1.	Case Study / Situation Analysis – (Group Activity or Individual Activity)
2.	Field Visit
3.	Class Test
4.	Open Book Test
5.	Study tour and report of the same
6.	Small Group Project & Internal Viva-Voce
7.	Learning Diary
8.	Scrap Book
9.	Group Discussion
10.	Role Play / Story Telling
11.	Individual Term Paper / Thematic Presentation
12.	Written Home Assignment
13.	Industry Analysis – (Group Activity or Individual Activity)
14.	Literature Review / Book Review
15.	Model Development / Simulation Exercises – (Group Activity or Individual Activity)
16.	In-depth Viva
17.	Quiz





Direct Assessment Tools –Sample Copy

		Assessment Tool →	Assignment		Case Study		Open Book Test		Learning Diary		Field Study	
		Course Outcome →	1		2		3		4		5	
		Maximum Marks →	10		10		10		10		10	
Sr. No.	Roll Number	Name of Student	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%
1	MC222401	ARVE PRATIKSHA MANGESH	9	90	10	100	9	90	10	100	8	80
2	MC222402	ATNURE OM MALLIKARJUN	10	100	9	90	8	80	7	70	7	70
3	MC222403	BAGADE RAMESH MRUNALI	8	80	10	100	10	100	7	70	8	80
4	MC222404	BARANGE CHETAN JANRAO	7	70	10	100	7	70	9	90	8	80
5	MC222405	BHOITE SWARAJ MAHESH	7	70	10	100	10	100	10	100	8	80
6	MC222406	BHOS TUSHAR NARAYAN	10	100	7	70	8	80	9	90	8	80
7	MC222407	BHOYAR PAWAN KHEMAJI	7	70	10	100	7	70	7	70	9	90
8	MC222408	BIRARI KABIR NITIN	10	100	10	100	7	70	9	90	8	80
9	MC222409	CHACHANE SAURABH ISHWAR	7	70	7	70	10	100	10	100	7	70
10	MC222410	CHAVAN ANAND RAMLU	8	80	8	80	9	90	7	70	10	100





Direct Assessment Tools–Sample Copy

Assessment Tool →		Assignment		Case Study		Open Book Test		Learning Diary		Field Study		
Course Outcome →		1		2		3		4		5		
Maximum Marks →		10		10		10		10		10		
Sr. No.	Roll Number	Name of Student	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%
		Marks (%)	Number	%	Number	%	Number	%	Number	%	Number	%
		>=66	60	100	60	100	60	100	60	100	60	100
		60 to 65	0	0	0	0	0	0	0	0	0	0
		55 to 59	0	0	0	0	0	0	0	0	0	0
		50 to 54	0	0	0	0	0	0	0	0	0	0
		40 to 49	0	0	0	0	0	0	0	0	0	0
		<40	0	0	0	0	0	0	0	0	0	0
Target Setting	Attainment Level	Category of Attainment	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks
	-	No attainment	0	80	0	80	0	80	0	80	0	80
	1	Low	50	80	50	80	50	80	50	80	50	80
	2	Medium	60	80	60	80	60	80	60	80	60	80
	3	High	70	80	70	80	70	80	70	80	70	80
Calculation			Number of students scoring >Target%		39		49		38		51	
			% students scoring >Target%		65.00		81.67		63.33		85.00	
			Category of attainment		Medium		High		Medium		High	





Direct Assessment Tools –Sample Copy

		Direct Assessment Tools																
		Internal Assessment Tools																
		Assessment Tool →	Certification				Class Test 1				Term End Exam							
		Course Outcome →	6		1		2		3		4		5		6			
		Maximum Marks →	10		15		15		17		18		17		18			
Sr. No.	Roll Number	Name of Student	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%		
1	MC222401	ARVE PRATIKSHA MANGESH	8	80	12	80	14	93	14	82	15	83	12	71	16	89		
2	MC222402	ATNURE OM MALLIKARJUN	9	90	10	67	14	93	13	76	13	72	12	71	16	89		
3	MC222403	BAGADE RAMESH MRUNALI	10	100	13	87	12	80	13	76	16	89	13	76	16	89		
4	MC222404	BARANGE CHETAN JANRAO	8	80	13	87	13	87	12	71	17	94	12	71	14	78		
5	MC222405	BHOITE SWARAJ MAHESH	9	90	11	73	12	80	16	94	17	94	14	82	14	78		
6	MC222406	BHOS TUSHAR NARAYAN	9	90	14	93	10	67	14	82	17	94	12	71	15	83		
7	MC222407	BHOYAR PAWAN KHEMAJI	7	70	11	73	12	80	14	82	16	89	12	71	15	83		
8	MC222408	BIRARI KABIR NITIN	9	90	14	93	13	87	12	71	15	83	14	82	15	83		
9	MC222409	CHACHANE SAURABH ISHWAR	9	90	14	93	11	73	15	88	17	94	12	71	15	83		
10	MC222410	CHAVAN ANAND RAMLU	10	100	12	80	11	73	16	94	16	89	14	82	16	89		





Direct Assessment Tools –Sample Copy

Direct Assessment Tools																
Internal Assessment Tools																
Assessment Tool →		Certification				Class Test 1				Term End Exam						
Course Outcome →		6		1		2		3		4		5		6		
Maximum Marks →		10		15		15		17		18		17		18		
Sr. No.	Roll Number	Name of Student	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%
		Marks (%)	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
		>=66	60	100	60	100	60	100	60	100	60	100	60	100	60	100
		60 to 65	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		55 to 59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		50 to 54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		40 to 49	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		<40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Target Setting	Attainment Level	Category of Attainment	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks
	-	No attainment	0	80	0	80	0	80	0	80	0	80	0	80	0	80
	1	Low	50	80	50	80	50	80	50	80	50	80	50	80	50	80
	2	Medium	60	80	60	80	60	80	60	80	60	80	60	80	60	80
3	High	70	80	70	80	70	80	70	80	70	80	70	80	70	80	
Calculation		Number of students scoring >Target%	51		45		40		40		43		47		42	
		% students scoring >Target%	85.00		75.00		66.67		66.67		71.67		78.33		70.00	
		Category of attainment	High		High		Medium		Medium		High		High		High	





External and Indirect Assessment Tools –Sample Copy

			Indirect Assessment Tools													
			External Assessment Tools		End of Course Survey											
Assessment Tool →			Theory		ECS Q1		ECS Q2		ECS Q3		ECS Q4		ECS Q5		ECS Q6	
Course Outcome →			100		5		5		5		5		5		5	
Maximum Marks →			100		5		5		5		5		5		5	
Sr. No.	Roll Number	Name of Student	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%
1	MC222401	ARVE PRATIKSHA MANGESH	70	70	4	80	3	60	3	60	4	80	3	60	4	80
2	MC222402	ATNURE OM MALLIKARJUN	50	50	4	80	3	60	4	80	4	80	5	100	3	60
3	MC222403	BAGADE RAMESH MRUNALI	75	75	3	60	3	60	5	100	3	60	3	60	3	60
4	MC222404	BARANGE CHETAN JANRAO	60	60	3	60	4	80	4	80	3	60	4	80	5	100
5	MC222405	BHOITE SWARAJ MAHESH	80	80	4	80	3	60	4	80	3	60	3	60	3	60
6	MC222406	BHOS TUSHAR NARAYAN	78	78	4	80	3	60	3	60	4	80	5	100	5	100
7	MC222407	BHOYAR PAWAN KHEMAJI	88	88	4	80	5	100	3	60	3	60	5	100	5	100
8	MC222408	BIRARI KABIR NITIN	76	76	4	80	5	100	3	60	4	80	4	80	5	100
9	MC222409	CHACHANE SAURABH ISHWAR	69	69	4	80	5	100	5	100	5	100	4	80	5	100
10	MC222410	CHAVAN ANAND RAMLU	80	80	3	60	4	80	3	60	5	100	4	80	3	60





External and Indirect Assessment Tools –Sample Copy

		Indirect Assessment Tools														
		External Assessment Tools		End of Course Survey												
		Theory		ECS Q1		ECS Q2		ECS Q3		ECS Q4		ECS Q5		ECS Q6		
		100		5		5		5		5		5		5		
Sr. No.	Roll Number	Name of Student	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%	Marks	%
		Marks (%)	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
		>=66	49	82	56	93	36	60	44	73	45	75	44	73	40	67
		60 to 65	2	3	4	7	24	40	16	27	15	25	16	27	20	33
		55 to 59	1	2	0	0	0	0	0	0	0	0	0	0	0	0
		50 to 54	2	3	0	0	0	0	0	0	0	0	0	0	0	0
		40 to 49	5	8	0	0	0	0	0	0	0	0	0	0	0	0
		<40	1	2	0	0	0	0	0	0	0	0	0	0	0	0
Target Setting	Attainment Level	Category of Attainment	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks	% students	% Marks
	-	No attainment	0	80	0	80	0	80	0	80	0	80	0	80	0	80
	1	Low	50	80	50	80	50	80	50	80	50	80	50	80	50	80
	2	Medium	60	80	60	80	60	80	60	80	60	80	60	80	60	80
	3	High	70	80	70	80	70	80	70	80	70	80	70	80	70	80
Calculation		Number of students scoring >Target%	41		56		36		44		45		44		40	
		% students scoring >Target%	68.33		93.33		60.00		73.33		75.00		73.33		66.67	
		Category of attainment	Medium		High		Medium		High		High		High		Medium	





Weightage, Attainment Levels and CO Mapping

Assessment type	% Weightage	% Students	Attainment Level	CO Mapping		CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	
Direct	90	70	3	Direct Attainment	Internal Assessment Tools	Assignment	Y					
External	70	60	2			Case Study		Y				
Internal	30	50	1			Open Book test			Y			
Indirect	10					Learning Diary				Y		
						Field Study					Y	
						Certification						Y
						Class Test 1	Y	Y				
						Term End Exam			Y	Y	Y	Y
						External Assessment Tools	Theory	Y	Y	Y	Y	Y
				TW								
				Practical								
				Oral								
				Indirect Attainment	End of Course Survey	ECS Q 1	Y					
						ECS Q 2		Y				
						ECS Q 3			Y			
						ECS Q 4				Y		
						ECS Q 5					Y	
						ECS Q 6						Y





CO Attainment (%)

% CO Attainment		CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	
Direct Attainment	Internal Assessment Tools	Assignment	71.67					
		Case Study Presentation		65.00				
		Open Book Test			81.67			
		Learning Diary				63.33		
		Field Visit					85.00	
		Certification						85.00
		Class Test 1	53.09	53.09				
		Term End Exam			53.09	72.84	79.01	72.84
		Internal Attainment	62.38	59.04	67.38	68.09	82.01	78.92
	External Assessment Tools	Theory	68.33	68.33	68.33	68.33	68.33	68.33
TW								
Practical								
Oral								
Indirect Attainment	End of Course Survey	ECS Q 1	93.33					
		ECS Q 2		60.00				
		ECS Q 3			73.33			
		ECS Q 4				75.00		
		ECS Q 5					73.33	
		ECS Q 6						66.67
Indirect Attainment		93.33	60.00	73.33	75.00	73.33	66.67	
Final % CO Attainment		69.23	64.99	68.58	68.93	72.53	71.03	
Average % CO Attainment		69.21						



CO Attainment Level


CO Attainment Level		CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	
Direct Attainment	Internal Assessment Tools	Assignment	3.00					
		Case Study Presentation		2.50				
		Open Book Test			3.00			
		Learning Diary				2.33		
		Field Visit					3.00	
		Certification						3.00
		Class Test 1	1.31	1.31				
		Term End Exam			1.31	3.00	3.00	3.00
	Internal Attainment	2.15	1.90	2.15	2.67	3.00	3.00	
	External Assessment Tools	Theory	2.83	2.83	2.83	2.83	2.83	2.83
		TW						
		Practical						
		Oral						
Indirect Attainment	End of Course Survey	ECS Q 1	3.00					
		ECS Q 2		2.00				
		ECS Q 3			3.00			
		ECS Q 4				3.00		
		ECS Q 5					3.00	
		ECS Q 6						2.67
	Indirect Attainment	3.00	2.00	3.00	3.00	3.00	2.67	
Final CO Attainment Level		2.67	2.50	2.67	2.81	2.90	2.86	
Average CO Attainment Level		2.73						



CO-PO-PSO Mapping

CO-PO-PSO Mapping		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
	CO 1	3	2										2	3	3	2
	CO 2	2	3	3	3	2		3			2	2		3	2	1
	CO 3	2	2	2	3	2		2		2	1	2		3	2	2
	CO 4	2	2	2	2	2					2	1		2	2	1
	CO 5	3	3			2	2	3	3					2	2	2
	CO 6	3		2	2		2						2	2	2	2




Director
Zeal Institute of Business
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CIE-1 Unit Test I

Knowledge Representation and Artificial Intelligence: ML, DL

(2020 Pattern)

Date: 18/11/2022

Class: MCA II Sem III

Time: 11.15 am to 12.15 pm

Total Marks: 25

Note: 1. Solve any TWO from Q. 1 to Q. 3

2. Q. 4 is compulsory.

Que.	Questions	Marks	CO	PO	Blooms
1	What is Artificial Intelligence. Discuss the main branches of AI.	05	CO1	PO2	Remembering Understanding
2	Explain properties of good knowledge based system.	05	CO1	PO2	Understanding
3	Discuss the role of AI in real life applications	05	CO2	PO2	Understanding
4	<p>Problem Statement:</p> <p>(1) If you go swimming you will get wet. (2) If it is raining and you are outside then you will get wet. (3) If it is warm and there is no rain then it is a pleasant day. (4) You are not wet. (5) You are outside. (6) It is a warm day.</p> <p>Prove by Resolution Refutation method that</p> <p>i. You are not swimming. ii. It is not raining. iii. It is a pleasant day.</p>	05	CO2	PO1, PO2	Apply
5	<p>Translate following sentences into FOL</p> <p>a. None of my friends are perfect. b. Every student who loves God is happy c. If anyone cheats, everyone suffers. d. Anyone who loves everyone loves himself e. Everyone loves someone</p>	05	CO2	PO1, PO2	Apply





MCA-I Sem-I Marksheet of CIE2 for Academic Year 2022-23

Course Name with Course Code:		Advance DBMS (IT24)									
Course Coordinator:		Prof. Kirti Samrit									
CIE Parameter		Class Test									
General	Q. No./ Parameter No.	1(a)	1(b)	Qu.2					Total Marks	Marks out of	Student Signature
	Blooms	A	A	A							
	CO	2	2	4							
	PO	1,2	1,2	1,2							
Roll Number	Student Name	Marks out of	10	10	5				25	8	
MC222401	ARVE PRATIKSHA MANGESH		5	5	2				12	4	P.m. Amre.
MC222402	ATNURE OM MALLIKARJUN		5	5	2				12	4	<i>Atnure</i>
MC222403	BAGADE RAMESH MRUNALI		6	6	2				14	4	<i>Bhagale</i>
MC222404	BARANGE CHETAN JANRAO		6	8	4				18	6	<i>Barange</i>
MC222405	BHOITE SWARAJ MAHESH		5	5	3				13	4	<i>Bhoite</i>
MC222406	BHOS TUSHAR NARAYAN		8	6	4				18	6	<i>Bhos</i>
MC222407	BHOYAR PAWAN KHEMAJI		5	5	2				12	4	<i>Bhojar</i>
MC222408	BIRARI KABIR NITIN		5	5	2				12	4	<i>Birari</i>
MC222409	CHACHANE SAURABH ISHWAR		6	6	4				16	5	<i>Chachane</i>
MC222410	CHAVAN ANAND RAMLU		6	6	3				15	5	<i>Chavan</i>
MC222411	CHAVAN RUTIK RAVINDRA		8	6	4				18	6	<i>Chavan</i>
MC222412	CHOUGALE NIRANJANEE NANDKUMAR		8	8	4				20	6	<i>Chougale</i>
MC222413	DESHMUKH SAIRAJ SHASHIKANT		7	7	4				18	6	<i>Deshmukh</i>



General	Q. No./ Parameter No.					Total Marks	Marks out of	Student Signature
	Blooms							
	CO							
	PO							
Roll Number	Student Name	Marks out of				25	8	
MC222414	DEWANI PAWAN		4	4	4	12	4	<i>P. Dewani</i>
MC222415	DISALE PRASHANT PAVANKUMAR		5	5	4	16	5	<i>P. Disale</i>
MC222416	DUSANE RUTUJA MAHENDRA		8	8	4	20	6	<i>R. Dusane</i>
MC222417	GAUR VISHWAS VIRENDRA		6	8	4	18	6	<i>V. Gaur</i>
MC222418	GHORPADE PRAKASH DEVIDAS		6	5	3	14	4	<i>P. Ghorpade</i>
MC222419	HANAMGHAR AISHWARYA DILIP		8	6	4	18	6	<i>A. Hanamghar</i>
MC222420	JADHAV ADITYA SURESH		8	6	4	18	6	<i>A. Jadhav</i>
MC222421	JADHAV POOJA JYOTIBA		7	6	4	17	5	<i>P. Jadhav</i>
MC222422	JADHAV SIDDHESH VISHWANATH		8	8	4	20	6	<i>S. Jadhav</i>
MC222423	JAGTAP OMKAR MAHESH		8	8	4	20	6	<i>O. Jagtap</i>
MC222424	KADU ARPITA CHANDRAKANT		8	8	4	20	6	<i>A. Kadu</i>
MC222425	KALE AMRUTA KESHAV		6	6	4	16	5	<i>A. Kale</i>
MC222426	KALE MANOJ MADHAVRAO		6	6	4	16	5	<i>M. Kale</i>
MC222427	KAMBLE KIRAN RAVINDRA		5	7	4	16	5	<i>K. Kamble</i>
MC222428	KANDARE AKANKSHA GANESH		4	4	2	10	3	<i>A. Kandare</i>
MC222429	KANTHALE SOMESHWAR SHIVALING		5	5	2	12	4	<i>S. Kanthale</i>
MC222430	KARLE AISHWARYA RAHUL		6	4	2	12	4	<i>A. Karle</i>
MC222431	KARPE ABHISHEK SACHIN		6	6	2	14	4	<i>A. Karpe</i>
MC222432	KASBE PRATIK SUNDAR		5	3	4	12	4	<i>P. Kasbe</i>



General	Q. No./ Parameter No.							Total Marks	Marks out of	Student Signature
	Blooms									
	CO									
	PO									
Roll Number	Student Name	Marks out of						25	8	
MC222433	KHARCHE VIVEK MADHUROTTAM		8	8	4			20	6	<i>[Signature]</i>
MC222434	KOLI PRAVIN SADASHIV		7	7	4			18	6	P.S.K.
MC222435	KULKARNI ABHIJEET ASHOK		5	5	1			11	4	<i>[Signature]</i>
MC222436	KULKARNI CHIRAYU VIRAN		8	8	2			18	6	<i>[Signature]</i>
MC222437	LAMBAT ADITYA AJAY		7	7	2			16	5	<i>[Signature]</i>
MC222438	MAGDUM PRITAM SANJAY		4	4	2			10	3	P.s. magdum
MC222439	MAHNE INGALE SHUBHANGI YASHWANT		5	7	4			16	5	<i>[Signature]</i>
MC222440	MALI PRAVIN SURESH		3	5	2			10	3	<i>[Signature]</i>
MC222441	MALI SHIVANI DATTATRAY		5	6	1			12	4	<i>[Signature]</i>
MC222442	MAHNE SUYOG BHIKAJI		5	5	2			12	4	<i>[Signature]</i>
MC222443	MISAL SAGAR DADASO		6	6	3			15	5	<i>[Signature]</i>
MC222444	MORE SHUBHAM SHARAD		6	6	2			14	4	<i>[Signature]</i>
MC222445	MULLA SAHIL BARAKAT		4	4	2			10	3	<i>[Signature]</i>
MC222446	NAIK KETAN DASU		7	5	2			14	4	<i>[Signature]</i>
MC222447	NIKAM PRATIK DHANAJI		4	4	2			10	3	<i>[Signature]</i>
MC222448	PAIKRAO SANDIP VIJAY		6	6	2			14	4	<i>[Signature]</i>
MC222449	PATIL APURVA ASHOKRAO		3	4	3			10	3	<i>[Signature]</i>
MC222450	PATIL HARSHAL SUNIL		8	6	4			18	6	<i>[Signature]</i>
MC222451	PAWAR GANESH DADASAHEB		5	5	4			14	4	<i>[Signature]</i>



General	Q. No./ Parameter No.					Total Marks	Marks out of	Student Signature
	Blooms							
	CO							
	PO							
Roll Number	Student Name	Marks out of				25	8	
MC222452	PAWAR RUTUJA DAYANAND		8	8	4	20	6	<i>Ambar</i>
MC222453	POHEKAR PALLAVI SANJAY		9	7	4	20	6	<i>Pallavi</i>
MC222454	RODE GAYATRI DEEPAK		8	8	2	18	6	<i>Gayatri</i>
MC222455	RODGE PRANJAL DHANRAJ		8	8	2	18	6	<i>Pranjal</i>
MC222456	SAID RUTUJA MACHHINDRA		5	6	3	14	4	<i>Rutuja</i>
MC222457	SAWANT PRUTHVIRAJ DATTA		6	5	4	15	5	
MC222458	SAYYAD ARBAZ ASHPAK		6	5	3	14	4	<i>Sayyad</i>
MC222459	SUTAR BHARGAVI NANDKUMAR		4	4	4	12	4	<i>Bhargavi</i>
MC222460	TAWARE ADITYA VIJAY		3	3	4	10	3	<i>Aditya</i>
MC222461	TAYDE VAIBHAV-SUNIL		5	5	2	12	4	<i>Vaibhav</i>
MC222462	THAKUR AKASH RAJENDRA		5	5	4	14	4	<i>Akash</i>
MC222463	VANSHIV SAGAR SHANKAR		ABSENT					
MC222464	YADAV DEEPAK MARUTI		7	6	3	16	5	<i>Deepak</i>
MC222465	YALAMELI VISHAL KHAJAPPA		6	7	3	16	5	<i>Vishal</i>
MC222466	YEPRE OMKAR PRASHANT		7	7	4	18	6	<i>Omkar</i>
MC222467	ZALTE MAHESH BABASAHEB		5	5	2	12	4	<i>Mahesh</i>
MC222468	ZORE SONALI MARUTI		5	5	4	14	4	<i>Sonali</i>

K Samrit
Prof. Kirti Samrit
Course Coordinator

K Samrit
Prof. Kirti Samrit
Programme Coordinator



Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 39, Dhayari Narhe Road, Narhe, Pune - 411041 (MH)



Record No :

Revision :

Date :

Course Exit Survey

Department : MCA	Semester : 1
Class : Master of Computer Application	Division : A : FY : MCA
Subject : JVA and DSA Lab	Date : 12-May-2023
Name of the Faculty : RUPALI SANTOSH KALEKAR	

Sr.No.	Attribute	No Student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion up to what level, the Course Objective - 1 (CO 1) of this subject is Accomplished?	0				
2	As per your opinion up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	0				
3	As per your opinion up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	0				
4	As per your opinion up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	0				
5	As per your opinion up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	0				
Average %:					0	
Overall Performance:					Poor	
Overall Remark:					Needs compulsory improvement	


Feedback Coordinator


Academic Coordinator/ FE Coordinator




Head of Department



Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 29, Dhayari Narhe Road, Narhe, Pune - 411041 (MH)



Record No.:

Revision:

Date:

Course Exit Survey

Department: MCA

Semester: I

Class: Master of Computer Application

Division: A, FE, MCA

Subject: Java Programming

Date: 12-May-2023

Name of the Faculty: Ushamendra Singh

Sr.No.	Analysis	No Student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion, up to what level, The Course Objective - 1 (CO 1) of this subject is Accomplished?	8	22.0	73.33	Good	Opportunity for further improvement
2	As per your opinion, up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	8	22.0	73.33	Good	Opportunity for further improvement
3	As per your opinion, up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	8	23.0	76.67	Good	Opportunity for further improvement
4	As per your opinion, up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	8	23.0	76.67	Good	Opportunity for further improvement
5	As per your opinion, up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	8	23.0	76.67	Good	Opportunity for further improvement
Average %:					75.33	
Overall Performance:					Good	
Overall Remark:					Opportunity for further improvement	

Sudh

Feedback Coordinator

Ushamendra Singh

Academic Coordinator/ FE Coordinator



Ushamendra Singh

Head of Department



Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 39, Dhayari Narhe Road, Narhe, Pune - 411041 (MH)



Record No: _____

Revision: _____

Date: _____

Course Exit Survey

Department: MCA

Semester: 1

Class: Master of Computer Application

Division: A - FY - MCA

Subject: Open Course

Date: 12-May-2023

Name of the Faculty: Babasaheb Jitiram Mohite

Sr.No.	Attribute	No Student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion, up to what level, The Course Objective - 1 (CO 1) of this subject is Accomplished?	6	25.0	83.33	Good	Opportunity for further improvement.
2	As per your opinion, up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	6	25.0	83.33	Good	Opportunity for further improvement.
3	As per your opinion, up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	6	25.0	83.33	Good	Opportunity for further improvement.
4	As per your opinion, up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	6	25.0	83.33	Good	Opportunity for further improvement.
5	As per your opinion, up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	6	25.0	83.33	Good	Opportunity for further improvement.
Average %:					83.33	
Overall Performance :					Good	
Overall Remark :					Opportunity for further improvement.	

Feedback Coordinator

Academic Coordinator/ FE Coordinator



Head of Department



Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 39, Dhayari Narhe Road, Narhe, Pune - 411041 (MH)



Record No :

Revision :

Date :

Course Exit Survey

Department : MCA

Semester : I

Class : Master of Computer Application

Division : A / FY : MCA

Subject : Operating System Concepts

Date : 12-May-2023

Name of the Faculty : Rajesh Kumar Garakh Prasad Bhatiyar

Sr.No.	Attribute	No Student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion, up to what level, The Course Objective - 1 (CO 1) of this subject is Accomplished?	6	25.0	86.67	Excellent	Keep it up!
2	As per your opinion, up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	6	25.0	86.67	Excellent	Keep it up!
3	As per your opinion, up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	6	25.0	82.33	Good	Opportunity for further improvement.
4	As per your opinion, up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	6	25.0	86.67	Excellent	Keep it up!
5	As per your opinion, up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	6	25.0	86.67	Excellent	Keep it up!
Average %:					85.0	
Overall Performance :					Excellent	
Overall Remark :					Keep it up!	


Feedback Coordinator


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Head of Department



Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 39, Dhayari Narhe Road, Narhe, Pune - 411041 (MH)



Record No: _____

Revision: _____

Date: _____

Course Exit Survey

Department: MCA

Semester: I

Class: Master of Computer Application

Division: A / Y / MQA

Subject: Network Technologies

Date: 12-May-2023

Name of the Faculty: Kirti Tarachand Sammit

Sr.No.	Attribute	No Student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion, up to what level, The Course Objective - 1 (CO 1) of this subject is Accomplished?	6	25.0	83.33	Good	Opportunity for further improvement
2	As per your opinion, up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	6	24.0	80.0	Good	Opportunity for further improvement
3	As per your opinion, up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	6	25.0	83.33	Good	Opportunity for further improvement
4	As per your opinion, up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	6	24.0	80.0	Good	Opportunity for further improvement
5	As per your opinion, up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	6	25.0	83.33	Good	Opportunity for further improvement
Average %:					82.0	
Overall Performance :					Good	
Overall Remark :					Opportunity for further improvement	


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Head of Department



Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 39, Dhayari Narhe Road, Narhe, Pune - 411041 (MH)



Record No.:

Revision:

Date:

Course Exit Survey

Department: MCA	Semester: I
Class: Master of Computer Application	Division: A / EV / MCA
Subject: JAVA and DSA Lab	Date: 12-May-2022
Name of the Faculty: RUPALI PRAVINKUMAR PAWAR	

Sr. No.	Attribute	No student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion, up to what level, The Course Objective - 1 (CO 1) of this subject is Accomplished?	0				
2	As per your opinion, up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	0				
3	As per your opinion, up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	0				
4	As per your opinion, up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	0				
5	As per your opinion, up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	0				
Average %:					0	
Overall Performance:					Poor	
Overall Remark:					Needs compulsory improvement	


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Head of Department



Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 39, Dhayashi Narhe Road, Narhe, Pune - 411041 (MH)



Record No :

Revision :

Date :

Course Exit Survey

Department: MBA	Semester: I
Class: Master of Business Administration	Division: A : FY: MBA
Subject: Managerial Accounting	Date: 12-May-2023
Name of the Faculty: SHILPA RITESH DUBEY	

Sr.No.	Attribute	No Student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion, up to what level, The Course Objective - 1 (CO 1) of this subject is Accomplished?	37	149.0	80.54	Good	Opportunity for further improvement.
2	As per your opinion, up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	37	145.0	78.35	Good	Opportunity for further improvement.
3	As per your opinion, up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	37	146.0	78.92	Good	Opportunity for further improvement.
4	As per your opinion, up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	37	143.0	77.3	Good	Opportunity for further improvement.
5	As per your opinion, up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	37	148.0	80.0	Good	Opportunity for further improvement.
Average %:					79.03	
Overall Performance:					Good	
Overall Remark:					Opportunity for further improvement.	


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Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 39, Dhayari Narhe Road, Narhe, Pune - 411041 (MH)



Record No :

Revision :

Date :

Course Exit Survey

Department : MEA	Semester : I
Class : Master of Business Administration	Division : A : FY : MEA
Subject : Organizational Behaviour	Date : 12-May-2023
Name of the Faculty : Dr. Ashish Krishna Vyas	

Sr.No.	Attribute	No Student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion, up to what level, The Course Objective - 1 (CO 1) of this subject is Accomplished?	35	154.0	85.56	Excellent	Keep it up!
2	As per your opinion, up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	35	151.0	83.89	Good	Opportunity for further improvement
3	As per your opinion, up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	35	147.0	81.67	Good	Opportunity for further improvement
4	As per your opinion, up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	35	151.0	83.89	Good	Opportunity for further improvement
5	As per your opinion, up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	35	151.0	83.89	Good	Opportunity for further improvement
Average %:					83.76	
Overall Performance :					Good	
Overall Remark :					Opportunity for further improvement	


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Zeal Education Society's
Zeal Institutes of Business Administration, Computer Application & Research
Survey No. 39, Dhayari Narhe Road, Narhe, Pune – 411041 (MH)



Record No :

Revision :

Date :

Course Exit Survey

Department : MBA	Semester : I
Class : Master of Business Administration	Division : A : FY : MBA
Subject : Verbal Communication Lab	Date : 12-May-2023
Name of the Faculty : HEENA HARSH THAKKAR	

Sr.No.	Attribute	No Student Response	Mark		Performance	Remark
			Obtained	%		
1	As per your opinion, up to what level, The Course Objective - 1 (CO 1) of this subject is Accomplished?	35	138.0	78.86	Good	Opportunity for further improvement
2	As per your opinion, up to what level, The Course Objective - 2 (CO 2) of this subject is Accomplished?	35	140.0	80.0	Good	Opportunity for further improvement
3	As per your opinion, up to what level, The Course Objective - 3 (CO 3) of this subject is Accomplished?	35	134.0	76.57	Good	Opportunity for further improvement
4	As per your opinion, up to what level, The Course Objective - 4 (CO 4) of this subject is Accomplished?	35	141.0	80.57	Good	Opportunity for further improvement
5	As per your opinion, up to what level, The Course Objective - 5 (CO 5) of this subject is Accomplished?	35	135.0	77.14	Good	Opportunity for further improvement
Average %:						78.63
Overall Performance :						Good
Overall Remark :						Opportunity for further improvement.

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Head of Department