



Criteria 2- Teaching- Learning and Evaluation

Key Indicator- 2.6 Student Performance and Learning Outcome

Metric 2.6.2

Attainment of POs and COs are evaluated.

Metric 2.6.2

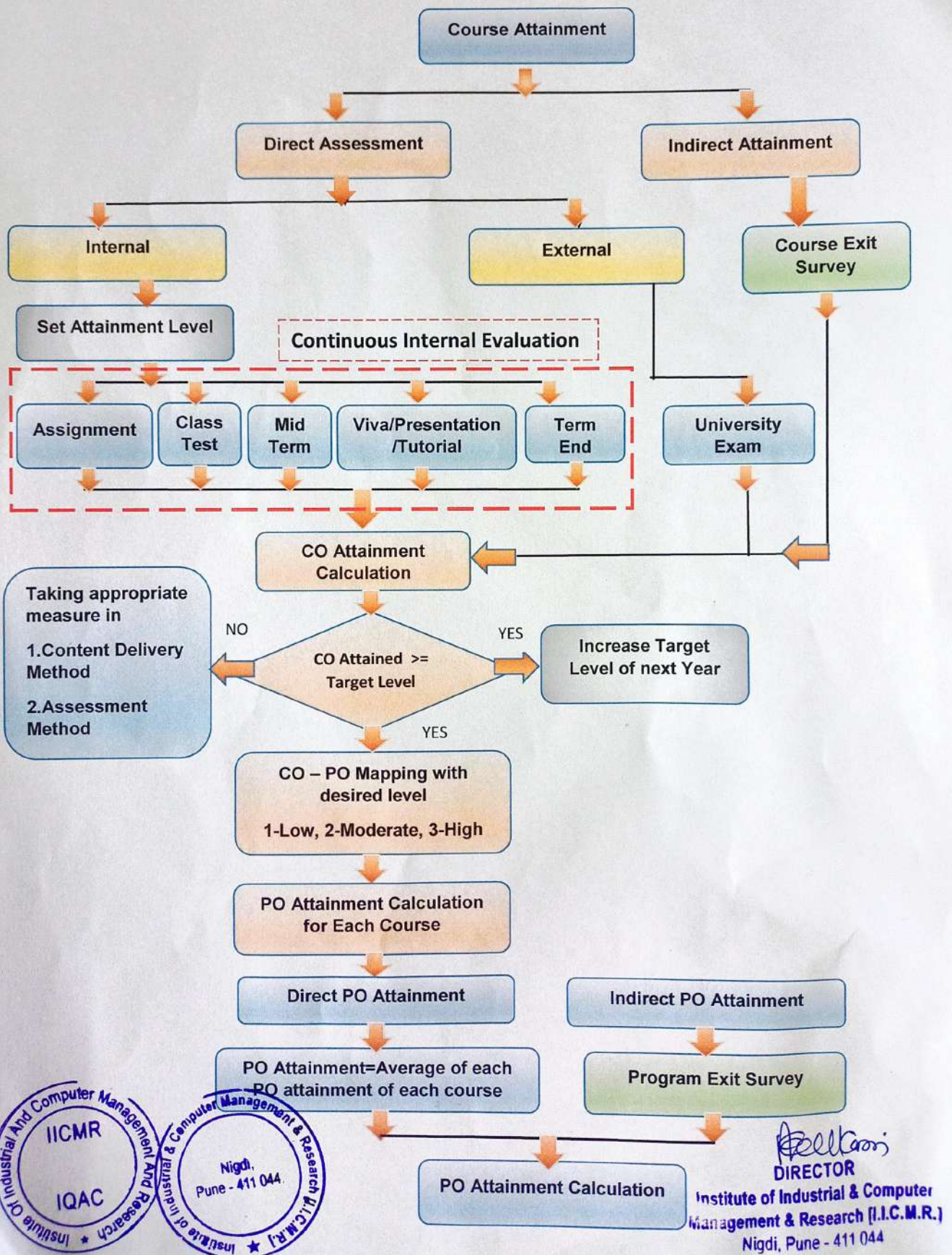
List of Supporting Documents

Sr. No	Particulars
1	CO-PO Attainment Calculation: MCA
2	CO-PO Attainment Calculation: MBA

Metric 2.6.2

Sr. No	Particulars
1	CO-PO Attainment Calculation: MCA

Program Outcome and Course Outcome Attainment Flow Chart





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MCA Department

**Programme Outcome and Course Outcomes Attainment Calculation for
Courses and Programme**

1. Course Details

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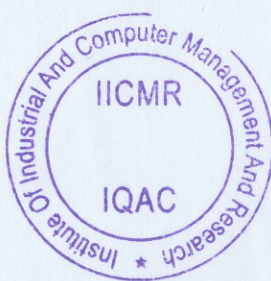
DEPARTMENT: MCA

Name of the Program	MCA
Academic Year and Semester :-	2022-2023 - Semester-IV
Title of The Course:	Project
Theory / Practical	Project
Course Code:	ITC41
Name of the Faculty :-	Sanjay Mate, Renu Mathew, Kiran Shinde, Bhagyashri B, Arati M, Snigdha Shukla

2. Course Outcomes , Program Outcomes and PO mapping

Course: ITC41:- Project

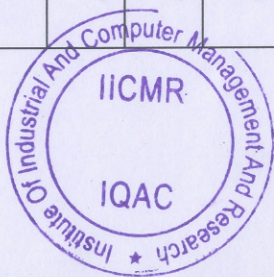
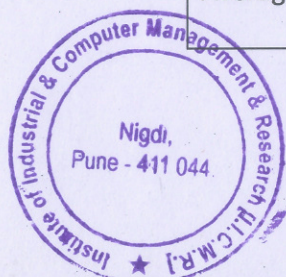
Course Outcomes	Description	Mapping
CO ICT4101	To understanding level of a computing problem through fact-finding techniques	PO1, PO2
CO ITC4102	To design an appropriate system for effective solution	PO1, PO2, PO3
CO ICT4103	Create a project considering socio-economic, environmental aspects	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO10
CO ITC4104	Preparation of a detailed project report using prescribed standards	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10
CO ICT4105	Demonstration of implemented solution through comprehensive presentation	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10

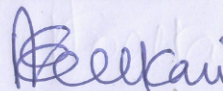


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Program Outcomes	Description
PO1	PO1: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.
PO2	PO2: Identify, formulate, research literature, and solve complex Computing problems reaching substantiated conclusions using fundamental principles of Mathematics, Computing sciences, and relevant domain disciplines.
PO3	PO3: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
PO4	PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.
PO5	PO5: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.
PO6	PO6: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.
PO7	PO7: Recognize the need, and have the ability, to engage in independent learning for continual development as a Computing professional.
PO8	PO8: Demonstrate knowledge and understanding of computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments
PO9	PO9: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.
PO10	PO10: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.
PO11	PO11: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.
PO12	PO12: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COICT4101	3	3										
COITC4102	3	3	3									
COICT4103	3	3	3	1	3	3	3	3		3		
COITC4104	3	3	3	1	3	3	3	3	3	3		
COICT4105	3	3	3	1	3	3	3	3	3	3		
Average	3	3	3	1	3	3	3	3	3	3		




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3. Setting Attainment levels and Target values

Strength of correlation:		Substantial (High/Strong): 3	
		Moderate (Medium): 2	
		Slight (Low/Poor): 1	
Level of Attainment	Rule for Attainment		
3	60% or more students having more than average marks		
2	50% or more students having more than average marks		
1	less than 50% having more than average marks		
PO attainment Target Criteria			
Particulars	Target Values	Associated POs	
set Target for Hard POs	60%	PO1,PO2,PO3,PO4	
set Target for Soft POs	50%	PO5,PO6,PO7,PO8,PO9, PO10,PO11,P12	

Course Outcome

Year : MCA2123 - Codewarriors 2123 - Sem IV
Subject : Project ITC 41 (2020 Pattern)(Practical | Regular)
Course Code : ITC 41
Course In-charge : Kiran Shinde, Sanjay Mate, Renu Mathew, Bhagyashri Bhargale, Arati Mhaisekar, Snigdha Shukla

+ Add Course Outcome

Print

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Action											
☐	Sr. No.	CO Id	Course Outcome	PO/PSO	Cognitive Levels	Knowledge Categories	CO Target Percent Value	CO linking	Added By	Modified By	Actions
☐	1	CO-ITC4101	To understanding level of a computing p...	PO1, PO2	Apply	Not present	0	View		Sanjay Mate	+
☐	2	CO-ITC4102	To design an appropriate system for eff...	PO1, PO2, PO3	Apply	Not present	0	View		Sanjay Mate	+
☐	3	CO-ITC4103	Create a project considering socio-econ...	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO10	Apply	Not present	0	View		Sanjay Mate	+
☐	4	CO-ITC4104	preparation of a detailed project repor...	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10	Apply	Not present	0	View		Sanjay Mate	+
☐	5	CO-ITC4105	Demonstration of implemented solution t...	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10	Apply	Not present	0	View		Sanjay Mate	+

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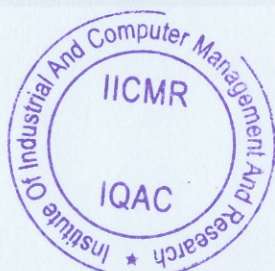
CO PO Mapping (2022-23) Project ITC 41 (2020 Pattern) (Practical)

Print

Import/Export

Action

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO-ITC4101	3	3											Saved
CO-ITC4102	3	3	3										Saved
CO-ITC4103	3	3	3	1	3	3	3	3		3			Saved
CO-ITC4104	3	3	3	1	3	3	3	3	3	3			Saved
CO-ITC4105	3	3	3	1	3	3	3	3	3	3			Saved
Average Course Outcome (Max 3.00)	3	3	3	1	3	3	3	3	3	3		2.8	Saved



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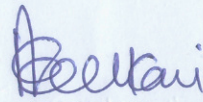
4. Calculation of direct CO Attainment for each CIE parameter

		Atss's Institute of Industrial and Computer Management and Research, Nigdi							
		MCA- 2 / Sem- IV (A.Y. 2022-2023)							
		Concurrent Internal Evaluation RECORD							
Course: ITC41:- Project		Name of Faculty: Sanjay Mate,Renu Mathew,Kiran Shinde,Bhagyashri B, Arati M,Singdha S.							
Ro. No.	Name	Project		Final Presentation	System Modelling	Working Demo	Project Report	External Marks	Remarks (if Any)
		Synopsis	Diary						
	Course Outcome	1	1,2,3,4,5	1	1,2,3,4,5	3,4	3,5	1,2,3,4,5	1,2,3,4,5
	Max Marks	28	32	60	30	60	60	40	50
125	WALUNJ AKSHAY RAGHUNA	18		41	25	40	38	35	172
126	YADAV AKASH RAMRAJ	17	22	50	28	48	39	40	200
Average		20.60976	22.79508	42.79674797	19.5121951	42.65854	43.065	32.683	195.754
Round Average		21	23	43	20	43	43	33	196
of Students scored above average n		69	67	70	52	72	71	80	57
Total Students appeared		123	122	123	123	123	123	123	118
f Students scored above average m		56.10	54.92	56.91	42.28	58.54	57.72	65.04	48.31
Attainment		2	2	2	1	2	2	3	1

5. Calculation of indirect CO Attainment for each Course Outcome through course exit survey

		Course Exit Survey - Analysis								
Course: ITC41:- Project				Name of Faculty: Sanjay Mate,Renu Mathew,Kiran Shinde,Bhagyashri B, Arati M,Singdha S.						
	Code warrior			Technocrat			Total			
	Excellent	Good	Satisfactory	Excellent	Good	Satisfactory	Excellent	Good	Satisfactory	
Rate Your understanding level of a computing problem through fact finding techniques (CO-ITC41.1)	42	9	3	44	12	1	86	21	4	
How well you are able to design an appropriate system for effective solutions?(Co ITC - 41)	40	11	3	43	14	0	83	25	3	
How well You can create a project considering socio-economic environmental aspects (CO -ITC41.3)	42	10	1	41	15	1	83	25	2	
Rate your preparation of detailed project report using prescribed standards? (CO ITC- 41.4)	41	12	1	38	18	1	79	30	2	
Rate your demonstrate of implemented solution through comprehensive presentation.(CO -ITC 41.5)	41	12	1	38	19	0	79	31	1	
CO wise Attainment	CW	TC	Average							
CO IT4C101	2.45	2.55	2.5							
CO IT4C102	2.43	2.49	2.46							
CO IT4C103	2.45	2.48	2.465							
CO IT4C104	2.46	2.42	2.44							
CO IT4C105	2.51	2.45	2.48							




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6. Calculation of direct CO Attainment for each CIE parameter

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866 Sign-Out

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Assignment (Internal Test) Dashboard

+ Assignment (Internal Test)

Project ITC 41 (2020 Pattern) (Practical) (Codewarriors 2123 - Sem IV) Batch : CW 2123 - Sem IV LAB

Project Synopsis

Marks 28.00
Due 26th April, 2023 -
10th August, 2023

Assignment SET

Synopsis - Upload Synopsis in PDF format.

Project Diary

Marks 32.00
Due 26th April, 2023 -
10th August, 2023

Assignment SET

Project Diary - Upload your project daily diary.

Presentation

Marks 60.00
Due 11th May, 2023 -
10th August, 2023

Assignment SET

Presentation - Upload presentation PPT in pdf file.

Final Presentation

Marks 30.00
Due 19th June, 2023 -
10th August, 2023

Assignment SET

Final Presentation - Follow the guidelines.

System Modelling

Marks 60.00
Due 10th June, 2023 -
10th August, 2023

Assignment SET

System Modelling - Upload your system modelling report.

Working Demo

Marks 60.00
Due 10th June, 2023 -
10th August, 2023

Assignment SET

Working Demo - Working Demo - Working Demo - Need to upload link of google drive.

Project Report

Marks 40.00
Due 20th June, 2023 -
10th August, 2023

Assignment SET

Project Report - Project Report submission- - Upload your project report PDF file.

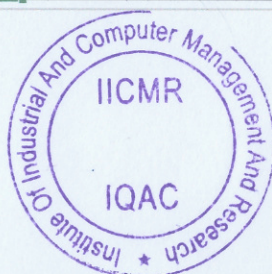


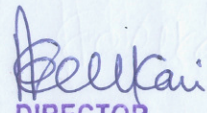
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Direct Assessment					
Internal Assessment	CO-ITC4101	CO-ITC4102	CO-ITC4103	CO-ITC4104	CO-ITC4105
Synopsis	2				
Project Diary	2	2	2	2	2
Presentation	1				
Final Presentation	2	2	2	2	2
System Modelling			2	2	
Working Demo			2	2	2
Project Report	3	3	3	3	3
Average direct Assessment=	2	2.333333	2.2	2.2	2.25
A = Internal attainment X 0.3=	0.6	0.7	0.66	0.66	0.675
University exams					
End Sem Result (*)	1	1	1	1	1
B = University Result X 0.7=	0.7	0.7	0.7	0.7	0.7
Total Attainment -Direct Assessment D= (A+B)*.7	0.91	0.98	0.952	0.952	0.9625
Indirect Assessment					
C = Course Exit Survey Attainment	2.5	2.46	2.465	2.44	2.48
Total Attainment -Indirect Assessment I= (C)*.3	0.75	0.738	0.7395	0.732	0.744
CO Attainment = D+I	1.66	1.718	1.6915	1.684	1.7065

7. Calculation of PO attainment for each Course

 Atss's Institute of Industrial and Computer Management and Research, Nigdi MCA- 2 Sem- IV (A.Y. 2022-2023)													
PO Attainment													
Course: ITC41:- Project				Name of Faculty: Sanjay Mate,Renu Mathew,Kiran Shinde,Bhagyashri B, Arati M,Singha S.									
Direct PO Attainment													
CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO ICT4101	1.66	3	3										
CO ITC4102	1.718	3	3	3									
CO ICT4103	1.6915	3	3	3	1	3	3	3	3		3		
CO ITC4104	1.684	3	3	3	1	3	3	3	3	3	3		
CO ICT4105	1.7065	3	3	3	1	3	3	3	3	3	3	3	
PO Mapping Factor Sum		15	15	12	3	9	9	9	9	6	9		
CO\PO		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO ICT4101		4.98	4.98										
CO ITC4102		5.154	5.154	5.154									
CO ICT4103		5.0745	5.0745	5.0745	1.684		5.052	5.052	5.052		5.052		
CO ITC4104		5.052	5.052	5.052	1.684		5.052	5.052	5.052	5.052	5.052		
CO ICT4105		5.1195	5.1195	5.1195	1.7065	5.1195	5.1195	5.1195	5.1195	5.1195	5.0745		
PO Sum		25.38	25.38	20.4	5.0745	15.462	15.2235	15.2235	15.2235	10.1715	15.1785		
Overall Direct PO Attainment		1.692	1.692	1.7	1.6915	1.718	1.6915	1.6915	1.6915	1.69525	1.6865		
A = Overall Direct PO Attainment (80 %)		1.3536	1.3536	1.36	1.3532	1.3744	1.3532	1.3532	1.3532	1.3562	1.3492		

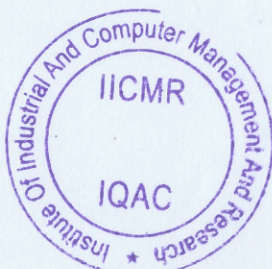


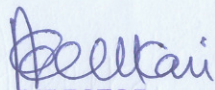

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Indirect PO Attainment													
20%	Workshop attended												
	Lecture/Seminar attended	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076
	Industry Visit												
	Average	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076	2.4076
B = Overall Indirect PO attainment (20%)		0.48152	0.48152	0.48152	0.48152	0.48152	0.48152	0.48152	0.48152	0.48152	0.48152	0.48152	0.48152
Overall PO attainment (A+B)		1.83512	1.83512	1.84152	1.83472	1.85592	1.83472	1.83472	1.83472	1.83772	1.83072	0.48152	0.48152
PO Achievement Matrix													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Target PO attainment	1.8	1.8	1.8	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Achieved PO attainment	1.84	1.84	1.84	1.83	1.86	1.83	1.83	1.83	1.84	1.83	0.48	0.48	

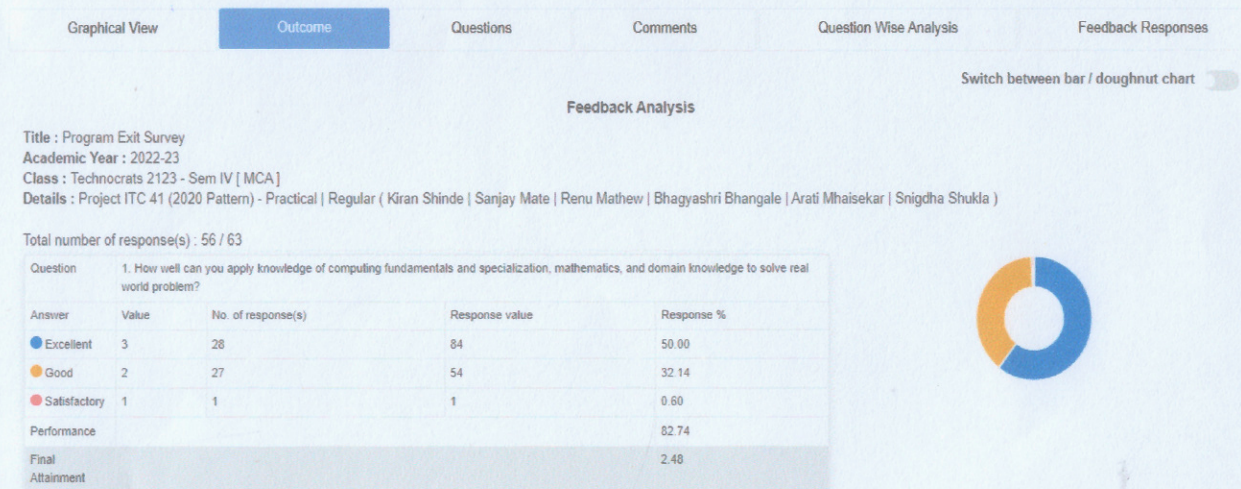
8. Achieved Programme attainment for MCA Course (ITC41-Project)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Target PO attainment	1.8	1.8	1.8	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Achieved PO attainment	1.84	1.84	1.84	1.83	1.86	1.83	1.83	1.83	1.84	1.83	0.48	0.48

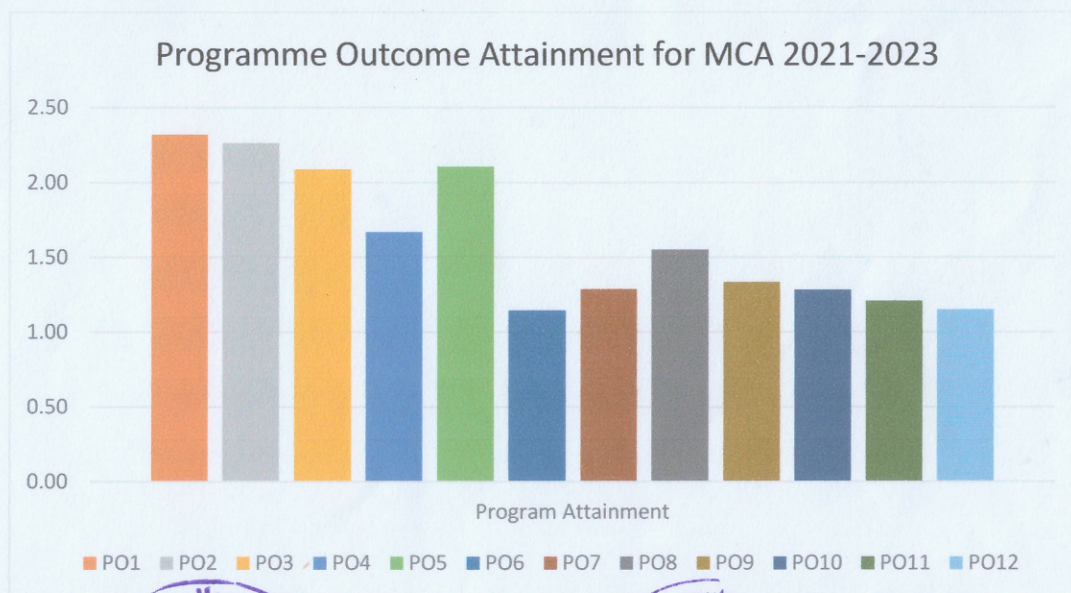



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9.Final calculation of Programme Attainment for MCA Program for Batch 2021-2022 using all PO attainment of each course and Program Exit Survey



	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO12
Average of all PO's of each Course under MCA	2.27	2.21	1.99	1.47	2.03	0.83	1.00	1.33	1.04	0.99	0.90
Direct PO Attainment 80%	1.82	1.77	1.59	1.18	1.63	0.67	0.80	1.06	0.84	0.79	0.72
Programme Exit Survey	2.52	2.47	2.48	2.45	2.40	2.40	2.44	2.44	2.49	2.44	2.46
Programme Exit Survey 20%	0.50	0.49	0.50	0.49	0.48	0.48	0.49	0.49	0.50	0.49	0.49
Program Attainment	2.32	2.26	2.09	1.67	2.11	1.15	1.29	1.55	1.33	1.28	1.21



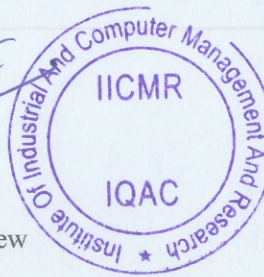
Prepared by

Mr.Sanjay Mate



HOD

Mrs.Renu Mathew



Director-MCA

Dr.Deepali Sawar

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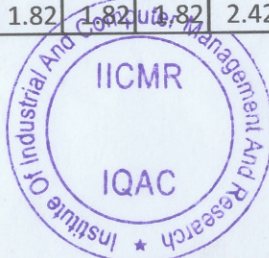
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MCA Department

MCA Batch 2021-2023

PO Attainment

Sr.no	Sen	Course Name	Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	Java Programming	IT11	2.75	2.75	0.59	0.59	2.67	0.51	0.51	0.51	0.51	0.51	0.51	0.51
2		Data Structure and Algorithms	IT12	2.72	2.72	2.73	0.59	2.66	0.51	0.51	2.64	0.51	0.51	0.51	0.51
3		Object Oriented Software Engineering	IT13	2.82	2.82	2.77	2.85	2.73	2.77	2.73	0.51	0.51	0.51	0.51	0.51
4		Operating System Concepts	IT14	2.84	2.85	2.85	2.88	2.71	0.51	0.51	0.51	0.51	0.51	0.51	0.51
5		Network Technologies	IT15	2.76	2.75	2.76	2.75	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
6		Open Course 1 Essentials of SQL	OC11	2.82	2.82	0.59	0.59	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
7		Open Course 2 Aptitude Building	OC12	2.24	2.25	2.34	0.59	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
8		Soft Skills - I	SS11	0.59	0.59	0.59	0.59	2.29	0.51	0.51	0.51	2.22	2.22	2.25	2.25
9	2	Python Programming	IT21	1.88	1.88	1.88	1.87	1.74	1.89	2.80	0.52	2.80	0.52	0.52	0.52
10		Software Project Management	IT22	1.91	1.90	1.90	1.91	1.91	0.52	1.91	1.89	1.91	0.52	1.92	0.52
11		Optimization Techniques	MT21	1.93	0.52	1.94	0.52	0.52	0.52	0.52	1.94	0.52	1.94	0.52	0.52
12		Advanced Internet Technologies	IT23	1.98	1.99	1.97	0.52	2.00	0.52	1.94	1.96	1.94	0.52	1.96	0.52
13		Advanced DBMS	IT24	2.63	2.37	2.86	2.34	2.68	0.52	2.69	0.87	0.52	0.52	0.52	0.52
14		Open Course 3 Django Basics	OC21	2.84	2.84	2.84	0.59	2.75	0.51	0.51	0.51	0.51	0.51	0.51	0.51
15		Open Course 4 Django Advanced	OC22	2.39	2.39	2.42	0.59	2.31	0.51	0.51	2.29	0.51	0.51	0.51	0.51
		Open Course 3 Web development using C#	OC21	2.36	2.36	2.36	0.52	1.44	0.52	2.20	2.33	2.20	0.52	0.52	0.52
		Open Course 4 Web development using .net	OC22	2.83	2.83	0.52	0.52	1.68	0.52	2.20	2.83	2.20	0.52	0.52	0.52
16		Soft Skills - II	SS21					0.52	0.52	0.52	0.52	0.52	0.52	2.85	2.86
17		Mobile Application Development	IT31	2.80	2.79	2.78	2.80	2.79	0.60	0.60	0.60	0.60	0.60	0.60	0.60
18		Data Warehousing and Data Mining	IT32	2.21	2.19	2.25	2.24	2.72	0.60	0.60	2.83	0.60	0.60	0.60	0.60
19		Software Testing and Quality Assurance	IT33	1.82	1.82	1.82	1.82	2.42	0.60	0.60	0.60	0.60	2.42	0.60	0.60



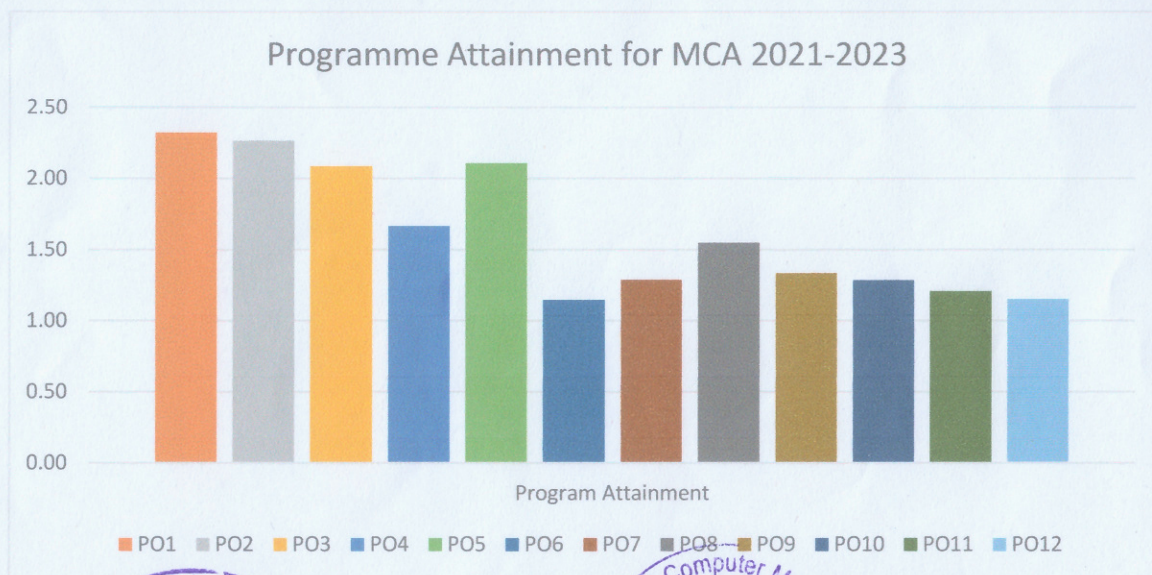
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20	3	Knowledge Representation & Artificial Intelligence - ML, DL	IT34	1.86	1.87	1.86	1.87	2.46	0.60	0.60	0.60	0.60	0.60	0.60	0.60
21		Cloud Computing	IT35	1.82	1.82	1.82	1.82	2.42	0.60	0.60	0.60	0.60	2.42	0.60	0.60
22		Open Course 5 AWS Cloud Foundation 1	OC31	1.82	1.82	1.82	1.82	2.42	2.42	0.60	0.60	0.60	2.42	0.60	0.60
23		Open Course 6 AWS Cloud Foundation 2	OC32	2.25	2.25	2.25	2.21	2.81	2.84	0.60	2.81	0.60	2.85	0.60	2.85
		Open Course 5 AWS Machine Learning 1	OC31	2.20	2.20	2.20	2.20	2.80	0.60	0.60	0.60	0.60	0.60	0.60	0.60
		Open Course 6 AWS Machine Learning 2	OC32	2.23	2.23	2.23	2.23	2.83	0.60	0.60	0.60	0.60	0.60	0.60	0.60
24		Soft Skills- III	SS31					0.60	0.60	0.60	2.87	2.87	0.60	2.89	2.87

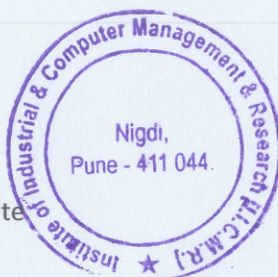
25	4	DevOps	IT41	2.36	2.33	2.37	0.48	2.35	0.48	0.48	2.34	0.48	0.48	0.48	0.48
26		PPM and OB	BM41	2.31	2.27	0.48	0.48	2.36	0.48	0.48	2.30	2.30	2.36	2.30	0.48
27		Project	ITC41	1.84	1.84	1.84	1.83	1.86	1.83	1.83	1.83	1.84	1.83	0.48	0.48

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Average of all POs of each Course	2.27	2.21	1.99	1.47	2.03	0.83	1.00	1.33	1.04	0.99	0.90	0.82
Direct PO 80%	1.82	1.77	1.59	1.18	1.63	0.67	0.80	1.06	0.84	0.79	0.72	0.65
Program Exit Survey	2.52	2.47	2.48	2.45	2.40	2.40	2.44	2.44	2.49	2.44	2.46	2.48
Program Exit Survey 20%	0.50	0.49	0.50	0.49	0.48	0.48	0.49	0.49	0.50	0.49	0.49	0.50
Program Attainment	2.32	2.26	2.09	1.67	2.11	1.15	1.29	1.55	1.33	1.28	1.21	1.15

Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Program Attainment	2.32	2.26	2.09	1.67	2.11	1.15	1.29	1.55	1.33	1.28	1.21	1.15

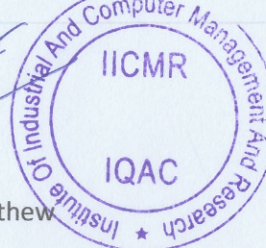


Prepared By
Mr. Sanjay Mate



HOD

Mrs. Renu Mathew



Director-MCA

Dr. Deepali Sawai

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Metric 2.6.2

Sr. No	Particulars
1	CO-PO Attainment Calculation: MBA



Audyogik Tantra Shikshan Sanstha's
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Approved by AICTE, Permanently Affiliated to SP Pune University,
Recognized by DTE, Government of Maharashtra, NAAC Re-accredited
Ranked Platinum Category by AICTE-CII for Industry Linked Technical Institute
Awarded Best Management Institute for Industry Interface by CEGR

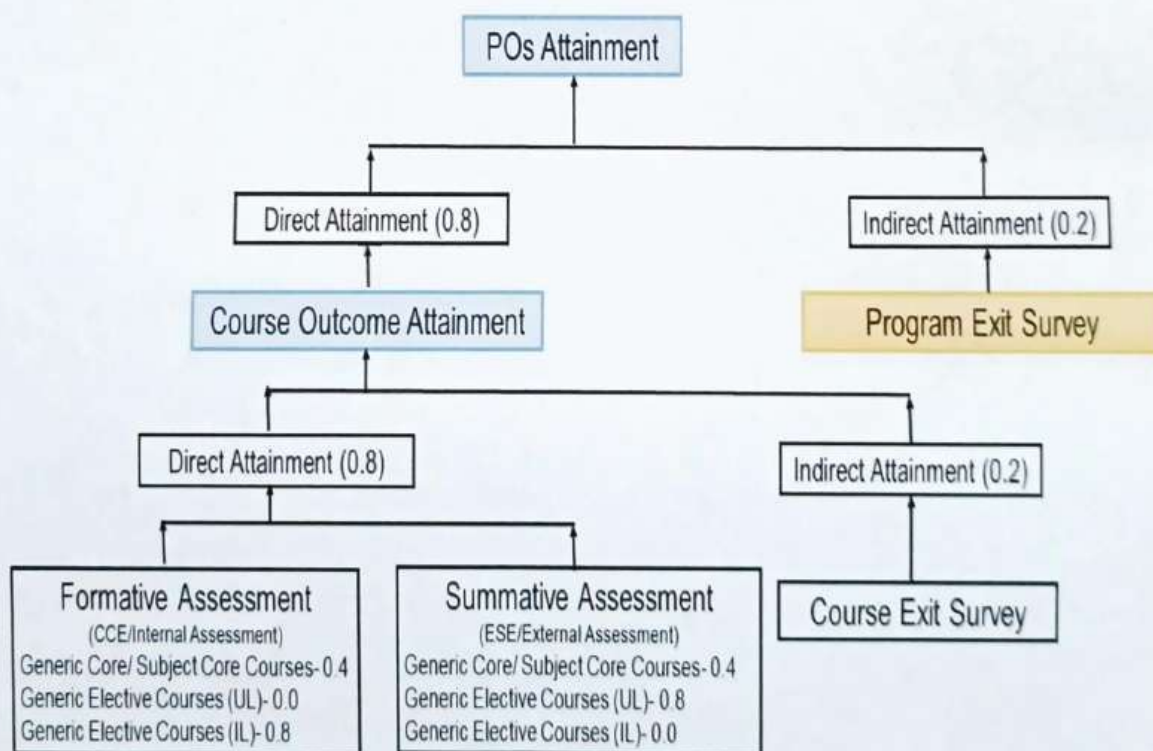
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Course Outcome (CO) and Program Outcome (PO) Attainment

Batch 2021-2023

MBA Sem. I, II, III & IV

CO-PO Attainment Flow Chart



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CO-PO Attainment Levels

1. Target Levels

Target Level	Target Value
1	60%
2	50% (Target)
3	40%

2. Threshold Level

Threshold Level	50%
-----------------	-----

3. Attainment Levels

Attainment Level	Description
1	40% Students scoring more than 50% marks
2	50% Students scoring more than 50% marks (Target)
3	60% Students scoring more than 50% marks

4. Rating scale used for survey.

Rating Scale	Description
5	Strongly Agree
4	Agree
3	Neutral
2	Disagree
1	Strongly Disagree



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Course Attainment Calculation (COs)

(Sample Course Attainment Calculation)

Academic Year 2021-2022

Class: MBA-I Year Div. 1&2 Semester - I

Course:- 101-Managerial Accounting

CO Attainment Calculation

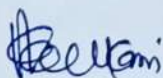
Course Outcomes of the Course

Course Outcome No. (COs)	Course Outcomes (COs)
CO101.1	DESCRIBE the basic concepts related to Accounting, Financial Statements, Cost Accounting, Marginal Costing, Budgetary Control and Standard Costing
CO101.2	EXPLAIN in detail, all the theoretical concepts taught through the syllabus.
CO101.3	PERFORM all the required calculations through relevant numerical problems.
CO101.4	ANALYSE the situation and decide the key financial as well as non-financial elements involved in the situation.
CO101.5	EVALUATE the financial impact of the decision.

Direct CO Attainment (Formative + Summative)

Formative Assessment

S/n	Name of the Student ↓	Formative Assessment (FA)					
		FA 1: Presentation					
		CO1	CO2	CO3	CO4	CO5	Total (marks)
		Q1	Q2	Q3	Q4	Q5	
	Question Number →	Q1	Q2	Q3	Q4	Q5	
	Question wise Marks →	10	10	10	10	10	50
1	AANCHAL SHARMA	8	8	6	6	8	36
2	ADITI SHARMA	10	7	10	9	8	44
3	ADITYA ANKUSH NEVREKAR	A	A	A	A	A	0
4	AISHWARYA RAJU DADMODE	8	8	10	7	7	40
5	AJINKYA GAJANAN MAHULKAR	9	6	6	8	9	38
6	AKSHAY SANJAY KOTHAWADE	9	6	7	6	10	38
7	AMBADE TRISHNA PRAKASH	8	6	10	8	8	40
8	ANDARPA TIRTH RAJENDRAKUMAR	8	6	7	6	6	33
9	ANKUSH BANDU GAWANDE	9	4	7	8	6	34
10	APOORVI	10	8	6	6	8	38
11	ARGHA BHATTACHARJEE	8	6	10	9	7	40
12	AYUSH RAMESH DAHAKE	8	6	6	7	7	34
13	AYUSHI LOSHALI	8	8	8	8	9	41
14	BANTODE KUNAL GIRISH	10	7	6	9	6	38
15	BARA NELSON JEEVANKISHOR	8	9	6	9	9	40



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16	BELHE KALYANI RAVINDRA	9	5	7	6	10	37
17	BHALEKAR SIDDHANT NITIN	10	7	9	6	8	40
18	BHANBHERU PRITAMKUMAR ROHATASHKUMAR	9	9	7	6	9	40
19	BHAVESH SHARMA	9	9	7	6	9	40
20	BHAVSAR ANJALI AMOL	8	9	9	7	9	42
21	BORDIA YASH MAHENDRA ASHA	8	4	7	9	7	35
22	CHAUDHARI GAURAV LALCHAND	8	4	7	9	7	35
23	CHAUDHARI PRANJAL SANJAY	10	8	8	9	9	44
24	CHAUDHARI SAURABH ANUP	9	6	10	9	8	42
25	CHAVAN SUSHANT SAMBHAJI	10	5	8	8	9	40
26	CHHATRABAND SUSHMA SATISH	9	6	10	6	10	41
27	CHITRA GURURANI	9	5	10	6	8	38
28	DARSHANA PRAMOD THAKARE	9	8	8	9	7	41
29	DEBLINA BISWAS	10	6	9	9	8	42
30	DESALE HARSHAL NANDKISHOR	10	6	7	7	7	37
31	DEVANSI GURJAR	8	7	10	7	7	39
32	DIKSHA ARUN NAITAM	8	8	8	7	10	41
33	DODANI VIKAS SUDHAMOMAL	10	6	9	9	6	40
34	DUMANE HRUSHIKESH VIRBHADRA	8	8	8	6	9	39
35	FENA MAKDIYA	10	8	8	8	10	44
36	GAIKWAD SONALI RATNAKAR	8	7	10	9	7	41
37	GAURAV GOPAL CHHETRI	10	6	6	8	10	40
38	GEVARIYA NAYAN CHETANBHAI	8	9	6	7	8	38
39	GHONGADE JAYESH SANJEEV	9	7	7	7	9	39
40	GHORPADE SAURABH SHANKAR	9	4	8	9	8	38
41	GIRIGOSAVI VAISHNAVI MAHENDRA	8	7	7	9	10	41
42	HARPREET KAUR	8	7	6	9	10	40
43	JAIN YASHIKA SANJAY	8	6	10	7	9	40
44	JANRAO PRANAV RAHUL	8	7	7	6	6	34
45	JOSHI AKASH SURESH	10	8	7	6	8	39
46	JOSHI PRANAV RAJENDRA	8	9	6	6	7	36
47	JYOTI SHYAMDASANI	9	7	9	7	7	39
48	KALBHOR SHIVANI MOHAN	8	8	7	7	9	39
49	KALE JAY PRAKASH	9	5	9	9	8	40
50	KALE VISHAL PARSHURAM	8	8	9	7	6	38
51	KANHERE SHRADDHA RAJKUMAR	8	8	10	8	8	42
52	KAPURE PUJA RAJENDRA	10	4	8	7	7	36
53	KATPURE PRATIKSHA SHIVAJI	10	7	9	6	7	39
54	KAURE SHIVAJI PARMESHWAR	9	9	6	9	8	41
55	KIRTI DILIP PATIL	10	6	7	8	8	39
56	KOUSTOV BHOWAL	A	A	A	A	A	0
57	LATHIYA BHUMIKA ASHOKBHAI	8	8	8	8	10	42

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58	LOHEKAR MEGHANA PRABHAKAR	8	7	9	8	8	40
59	MADATHIL SRUTHI SUDHAKARAN SHEELA	9	6	9	8	9	41
60	MADHURIMA BATABYAL	9	7	9	9	8	42
61	MALANG PRAGATI GIRISH	A	A	A	A	A	0
62	MAYURI SAHEBRAO PACHGHARE	8	9	8	8	8	41
63	MEHETRE PRERNA SUNIL	10	9	9	8	9	45
64	MILIND RAOSAHEB PATIL	10	6	6	9	8	39
65	MITALI VIRKUMAR SHINDE	10	9	6	8	6	39
66	MODAK CHAITANYA RAJESH	8	8	6	8	8	38
67	MOHD SHOAIB KHAN	8	9	7	7	10	41
68	MOTIPAVLE SWAPNIL MAHADEV	10	7	6	9	6	38
69	MUSALE SACHIN VISHWAMBAR	8	9	8	8	10	43
70	MUSKAN VIJAY GUPTA	8	8	10	9	8	43
71	NAIKWADE PRASAD MAHADEV	10	9	6	8	6	39
72	NAIR PRANITHA PRASHANT	10	5	9	6	9	39
73	NAKHAWA AMEY PRADIP VAISHALI	9	6	6	9	9	39
74	NARVEKAR SIDDHARTH VIJAY	9	7	9	8	6	39
75	NASARE JAYSHRI TULSHIRAMJI	9	6	10	6	9	40
76	NATHANI KIRAN GURMUKH	8	8	8	8	7	39
77	PALAK SHARMA	9	7	7	7	7	37
78	PANDYA SHIVANIBEN PANKAJBHAI	8	9	8	7	8	40
79	PARDESHI KARAN RAMESH	8	7	6	8	6	35
80	PARKAR SHANZEE IMTIYAZ	8	7	6	8	6	35
81	PATIL MOKSHADA ASHOK	10	8	7	7	7	39
82	PATIL POONAM TANAJI	8	9	9	8	10	44
83	PATIL SHREYASH VIJAY	9	9	8	8	10	44
84	PAWAR ANUJA NITIN	9	9	8	8	10	44
85	PAWAR PRANAY SANTOSH	10	7	6	6	9	38
86	PAWAR PRATIK PARSHURAM	9	7	6	7	10	39
87	PIYUSH VIJAYKUMAR BHARDWAJ	8	6	9	7	9	39
88	PRIYA OJHA	8	7	9	6	9	39
89	PURVI PADIYAR	10	6	8	6	10	40
90	PURVITA RAJENDRA SHAH	9	8	9	6	8	40
91	RAHUL PURUSHOTTAM NIRANJANE	10	10	10	6	6	42
92	RAI DISHA SHESHNATH	A	A	A	A	A	0
93	RAJ PRADEEPCHANDRA VARMA	9	6	8	6	7	36
94	RAJESHWARI WAGHELA	9	6	8	6	7	36
95	RANA SHASHI ONKARSINGH	8	8	10	9	8	43
96	RANE PRIYANKA KAILAS	8	7	8	6	9	38
97	RATHI GAURAV RAJKUMAR	10	6	7	7	10	40
98	RAUT RISHABH RAJU	8	8	8	6	8	38
99	RUSHABH SANJAY SIRSAT	9	7	6	8	10	40
100	SABA SHEIKH	10	6	8	9	8	41

101	SAGGAM HRISHIKESH RAMESH	10	6	6	8	8	38
102	SAKSHI DNYANESHWAR GAWANDE	9	7	10	6	6	38
103	SAKSHI PATEL	9	8	6	7	9	39
104	SAMRUDDHI MISHRA	10	9	6	7	7	39
105	SHARMA ANIKET RAKESH ANJU	8	7	8	6	6	35
106	SHARVILA GURUDAS BHONDVE	10	7	9	7	10	43
107	SHETE KIRTI HANUMANT	8	7	7	9	10	41
108	SHINDE RUTUJA SANTOSH	10	6	7	8	10	41
109	SHIVANGI NAMDEO	A	A	A	A	A	0
110	SHUBHADA KRISHNARAO PAWAR	9	7	9	8	9	42
111	SINGH NAVNEET UMESHKUMAR	10	8	8	9	9	44
112	SONALI KRISHNA PATIL	9	9	7	8	8	41
113	SUMIT KUMAR SHARMA	10	6	7	6	7	36
114	SUTARWALA NIKUNJ SHAILENDRA	10	9	6	8	8	41
115	TALA VIN NITESHBAI	A	A	A	A	A	0
116	TALELE VISHAKHA MORESHWAR	9	6	7	9	8	39
117	TARUDE SHRIKRUSHNA GAUTAM	8	7	10	8	8	41
118	VEER SAYALI SUNIL	10	6	7	9	8	40
119	VEKARIYA JEMIN KANUBHAI	10	8	9	6	6	39
120	WANI KRUPALI PRAKASH	10	9	6	8	8	41
121	YADAV ROHAN ANIL	8	7	7	7	8	37
122	YASH PARATE	9	6	7	9	8	39
123	YASHASHREE ANIL DEVAPURE	8	7	10	8	8	41
	Threshold Level	50%	50%	50%	50%	50%	
	Target Marks	5	5	5	5	5	
	No. of stud attempted	117	117	117	117	117	
	No. of students who achieved the target	117	112	117	117	117	
	Expected numbers to achieve target level 60%	70	70	70	70	70	
	Expected numbers to achieve target level 50%	59	59	59	59	59	
	Expected numbers to achieve target level 40%	47	47	47	47	47	
	Attainment level of the CO	3	3	3	3	3	
	weightage	40%	40%	40%	40%	40%	
	Direct attainment (formative)	1.2	1.2	1.2	1.2	1.2	

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Summative Assessment

S/n	Name of the Student	Summative Assessment (SA)					
		ESE (University Exam)					Total (50)
		CO1	CO2	CO3	CO4	CO5	
		Q1	Q2	Q3	Q4	Q5	
	Question Number →						
	Question wise Marks →	10	10	10	10	10	50
1	AANCHAL SHARMA	9	9	9	9	9	45
2	ADITI SHARMA	8	8	8	8	8	42
3	ADITYA ANKUSH NEVREKAR	7	7	7	7	7	34
4	AISHWARYA RAJU DADMODE	10	10	10	10	10	48
5	AJINKYA GAJANAN MAHULKAR	6	6	6	6	6	28
6	AKSHAY SANJAY KOTHAWADE	8	8	8	8	8	39
7	AMBADE TRISHNA PRAKASH	9	9	9	9	9	43
8	ANDARPA TIRTH RAJENDRAKUMAR	9	9	9	9	9	47
9	ANKUSH BANDU GAWANDE	7	7	7	7	7	35
10	APOORVI	8	8	8	8	8	41
11	ARGHA BHATTACHARJEE	8	8	8	8	8	41
12	AYUSH RAMESH DAHAKE	7	7	7	7	7	34
13	AYUSHI LOSHALI	10	10	10	10	10	48
14	BANTODE KUNAL GIRISH	8	8	8	8	8	38
15	BARA NELSON JEEVANKISHOR	7	7	7	7	7	36
16	BELHE KALYANI RAVINDRA	8	8	8	8	8	42
17	BHALEKAR SIDDHANT NITIN	8	8	8	8	8	42
18	BHANBHERU PRITAMKUMAR ROHATASHKUMAR	7	7	7	7	7	35
19	BHAVESH SHARMA	8	8	8	8	8	40
20	BHAVSAR ANJALI AMOL	8	8	8	8	8	41
21	BORDIA YASH MAHENDRA ASHA	9	9	9	9	9	43
22	CHAUDHARI GAURAV LALCHAND	9	9	9	9	9	46
23	CHAUDHARI PRANJAL SANJAY	7	7	7	7	7	33
24	CHAUDHARI SAURABH ANUP	8	8	8	8	8	39
25	CHAVAN SUSHANT SAMBHAJI	6	6	6	6	6	29
26	CHHATRABAND SUSHMA SATISH	6	6	6	6	6	31
27	CHITRA GURURANI	9	9	9	9	9	47
28	DARSHANA PRAMOD THAKARE	5	5	5	5	5	25
29	DEBLINA BISWAS	8	8	8	8	8	38
30	DESALE HARSHAL NANDKISHOR	6	6	6	6	6	32
31	DEVANSHI GURJAR	6	6	6	6	6	30
32	DIKSHA ARUN NAITAM	8	8	8	8	8	42
33	DODANI VIKAS SUDHAMOMAL	7	7	7	7	7	33
34	DUMANE HRUSHIKESH VIRBHADRA	8	8	8	8	8	40
35	FENA MAKDIYA	7	7	7	7	7	33
36	GAIKWAD SONALI RATNAKAR	9	9	9	9	9	46

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37	GAURAV GOPAL CHHETRI	9	9	9	9	9	46
38	GEVARIYA NAYAN CHETANBHAI	9	9	9	9	9	46
39	GHONGADE JAYESH SANJEEV	8	8	8	8	8	39
40	GHORPADE SAURABH SHANKAR	9	9	9	9	9	43
41	GIRIGOSAVI VAISHNAVI MAHENDRA	9	9	9	9	9	45
42	HARPREET KAUR	10	10	10	10	10	49
43	JAIN YASHIKA SANJAY	8	8	8	8	8	42
44	JANRAO PRANAV RAHUL	7	7	7	7	7	35
45	JOSHI AKASH SURESH	8	8	8	8	8	39
46	JOSHI PRANAV RAJENDRA	8	8	8	8	8	40
47	JYOTI SHYAMDASANI	9	9	9	9	9	43
48	KALBHOR SHIVANI MOHAN	8	8	8	8	8	39
49	KALE JAY PRAKASH	8	8	8	8	8	40
50	KALE VISHAL PARSHURAM	7	7	7	7	7	34
51	KANHERE SHRADDHA RAJKUMAR	8	8	8	8	8	39
52	KAPURE PUJA RAJENDRA	9	9	9	9	9	46
53	KATPURE PRATIKSHA SHIVAJI	8	8	8	8	8	42
54	KAURE SHIVAJI PARMESHWAR	8	8	8	8	8	42
55	KIRTI DILIP PATIL	9	9	9	9	9	43
56	KOUSTOV BHOWAL	9	9	9	9	9	45
57	LATHIYA BHUMIKA ASHOKBHAI	8	8	8	8	8	39
58	LOHEKAR MEGHANA PRABHAKAR	9	9	9	9	9	44
59	MADATHIL SRUTHI SUDHAKARAN SHEELA	8	8	8	8	8	38
60	MADHURIMA BATAYAL	9	9	9	9	9	45
61	MALANG PRAGATI GIRISH	9	9	9	9	9	43
62	MAYURI SAHEBRAO PACHGHARE	5	5	5	5	5	26
63	MEHETRE PRERNA SUNIL	8	8	8	8	8	40
64	MILIND RAOSAHEB PATIL	6	6	6	6	6	31
65	MITALI VIRKUMAR SHINDE	8	8	8	8	8	38
66	MODAK CHAITANYA RAJESH	8	8	8	8	8	39
67	MOHD SHOAIB KHAN	7	7	7	7	7	37
68	MOTIPAVLE SWAPNIL MAHADEV	8	8	8	8	8	39
69	MUSALE SACHIN VISHWAMBAR	7	7	7	7	7	37
70	MUSKAN VIJAY GUPTA	9	9	9	9	9	46
71	NAIKWADE PRASAD MAHADEV	9	9	9	9	9	47
72	NAIR PRANITHA PRASHANT	9	9	9	9	9	44
73	NAKHAWA AMEY PRADIP VAISHALI	8	8	8	8	8	38
74	NARVEKAR SIDDHARTH VIJAY	7	7	7	7	7	34
75	NASARE JAYSHRI TULSHIRAMJI	5	5	5	5	5	26
76	NATHANI KIRAN GURMUKH	8	8	8	8	8	41
77	PALAK SHARMA	8	8	8	8	8	42
78	PANDYA SHIVANIBEN PANKAJBHAI	8	8	8	8	8	41
79	PARDESHI KARAN RAMESH	10	10	10	10	10	48

80	PARKAR SHANZEE IMTIYAZ	8	8	8	8	8	42
81	PATIL MOKSHADA ASHOK	6	6	6	6	6	30
82	PATIL POONAM TANAJI	9	9	9	9	9	46
83	PATIL SHREYASH VIJAY	7	7	7	7	7	36
84	PAWAR ANUJA NITIN	8	8	8	8	8	40
85	PAWAR PRANAY SANTOSH	6	6	6	6	6	29
86	PAWAR PRATIK PARSHURAM	8	8	8	8	8	41
87	PIYUSH VIJAYKUMAR BHARDWAJ	5	5	5	5	5	27
88	PRIYA OJHA	8	8	8	8	8	38
89	PURVI PADYAR	9	9	9	9	9	47
90	PURVITA RAJENDRA SHAH	8	8	8	8	8	42
91	RAHUL PURUSHOTTAM NIRANJANE	6	6	6	6	6	32
92	RAI DISHA SHESHNATH	8	8	8	8	8	41
93	RAJ PRADEEPCHANDRA VARMA	7	7	7	7	7	36
94	RAJESHWARI WAGHELA	8	8	8	8	8	41
95	RANA SHASHI ONKARSINGH	A	A	A	A	A	A
96	RANE PRIYANKA KAILAS	9	9	9	9	9	43
97	RATHI GAURAV RAJKUMAR	9	9	9	9	9	47
98	RAUT RISHABH RAJU	9	9	9	9	9	44
99	RUSHABH SANJAY SIRSAT	8	8	8	8	8	39
100	SABA SHEIKH	10	10	10	10	10	48
101	SAGGAM HRISHIKESH RAMESH	8	8	8	8	8	41
102	SAKSHI DNYANESHWAR GAWANDE	5	5	5	5	5	23
103	SAKSHI PATEL	8	8	8	8	8	42
104	SAMRUDDHI MISHRA	8	8	8	8	8	40
105	SHARMA ANIKET RAKESH ANJU	8	8	8	8	8	42
106	SHARVILA GURUDAS BHONDVE	8	8	8	8	8	41
107	SHEETE KIRTI HANUMANT	8	8	8	8	8	38
108	SHINDE RUTUJA SANTOSH	5	5	5	5	5	25
109	SHIVANGI NAMDEO	5	5	5	5	5	27
110	SHUBHADA KRISHNARAO PAWAR	10	10	10	10	10	48
111	SINGH NAVNEET UMESHKUMAR	8	8	8	8	8	38
112	SONALI KRISHNA PATIL	10	10	10	10	10	50
113	SUMIT KUMAR SHARMA	8	8	8	8	8	41
114	SUTARWALA NIKUNJ SHAILENDRA	8	8	8	8	8	39
115	TALA VIN NITESHBAI	9	9	9	9	9	45
116	TALELE VISHAKHA MORESHWAR	9	9	9	9	9	44
117	TARMUDE SHRIKRUSHNA GAUTAM	10	10	10	10	10	49
118	VEER SAYALI SUNIL	9	9	9	9	9	47
119	VEKARIYA JEMIN KANUBHAI	9	9	9	9	9	45
120	WANI KRUPALI PRAKASH	5	5	5	5	5	23
121	YADAV ROHAN ANIL	8	8	8	8	8	40
122	YASH PARATE	7	7	7	7	7	35

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123	YASHASHREE ANIL DEVAPURE	8	8	8	8	8	40
	Threshold Level	50%	50%	50%	50%	50%	
	Target Marks	5	5	5	5	5	
	No. of stud attempted	122	122	122	122	122	
	No. of students who achieved the target	122	122	122	122	122	
	Expected numbers to achieve target level 60%	73	73	73	73	73	
	Expected numbers to achieve target level 50%	61	61	61	61	61	
	Expected numbers to achieve target level 40%	49	49	49	49	49	
	Attainment level of the CO	3	3	3	3	3	
	weightage	40%	40%	40%	40%	40%	
	Direct attainment (Summative)	1.2	1.2	1.2	1.2	1.2	

Indirect Assessment of COs

Particulars	Indirect Assessment				
	Course Exit Survey				
	CO1	CO2	CO3	CO4	CO5
Students' ratings as Strongly Agree	11	10	15	10	9
Students' ratings as Agree	67	67	64	67	55
Students' ratings as Neutral	10	9	8	8	23
Students' ratings as Disagree	0	2	1	3	1
Students' ratings as Strongly Disagree	0	0	0	0	0
Threshold Level	50%	50%	50%	50%	50%
Target Marks	2.5	2.5	2.5	2.5	2.5
No. of stud attempted	88	88	88	88	88
No. of students who achieved the target	88	86	87	85	87
Expected numbers to achieve target level 60%	53	53	53	53	53
Expected numbers to achieve target level 50%	44	44	44	44	44
Expected numbers to achieve target level 40%	35	35	35	35	35
Attainment level of the CO	3	3	3	3	3
weightage	20%	20%	20%	20%	20%
Indirect attainment	0.6	0.6	0.6	0.6	0.6

Course Outcome Attainment Calculation

101 – Managerial Accounting

Final CO Attainment	COs				
	CO1	CO2	CO3	CO4	CO5
Direct - FA (0.4)	1.2	1.2	1.2	1.2	1.2
Direct - SA (0.4)	1.2	1.2	1.2	1.2	1.2
Indirect (0.2)	0.6	0.6	0.6	0.6	0.6
Course Outcome Attainment	3.0	3.0	3.0	3.0	3.0


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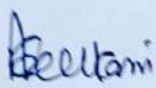
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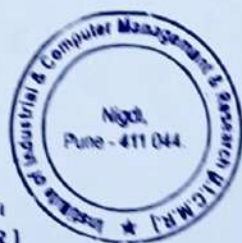
IQAC

Program Outcomes (POs) Attainment Calculation

Program Outcomes (POs) as per MBA Revised Syllabus 2019

PO1	Generic and Domain Knowledge - Ability to articulate, illustrate, analyze, synthesize and apply the knowledge of principles and frameworks of management and allied domains to the solutions of real-world complex business issues.
PO2	Problem Solving & Innovation - Ability to Identify, formulate and provide innovative solution frameworks to real world complex business and social problems by systematically applying modern quantitative and qualitative problem solving tools and techniques.
PO3	Critical Thinking - Ability to conduct investigation of multidimensional business problems using research based knowledge and research methods to arrive at data driven decisions.
PO4	Effective Communication - Ability to effectively communicate in cross-cultural settings, in technology mediated environments, especially in the business context and with society at large.
PO5	Leadership and Team Work - Ability to collaborate in an organizational context and across organizational boundaries and lead themselves and others in the achievement of organizational goals and optimize outcomes for all stakeholders.
PO6	Global Orientation and Cross-Cultural Appreciation - Ability to approach any relevant business issues from a global perspective and exhibit an appreciation of Cross Cultural aspects of business and management.
PO7	Entrepreneurship - Ability to identify entrepreneurial opportunities and leverage managerial & leadership skills for founding, leading & managing startups as well as professionalizing and growing family businesses.
PO8	Environment and Sustainability - Ability to demonstrate knowledge of and need for sustainable development and assess the impact of managerial decisions and business priorities on the societal, economic and environmental aspects.
PO9	Social Responsiveness and Ethics - Ability to exhibit a broad appreciation of the ethical and value underpinnings of managerial choices in a political, cross-cultural, globalized, digitized, socio-economic environment and distinguish between ethical and unethical behaviors & act with integrity.
PO10	Life Long Learning - Ability to operate independently in new environment, acquire new knowledge and skills and assimilate them into the internalized knowledge and skills.


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Sample CO-PO Mapping

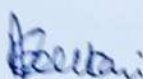
Course: 101- Managerial Accounting

Course Code	Course Name	Course Outcome No. (CO)	Program Outcomes (POs)									
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
101	Managerial Accounting	CO101.1	2									
		CO101.2	3									
		CO101.3	3	2	3			2	3			2
		CO101.4	3	3	3	2	2	3	2			3
		CO101.5	3	3	2	3	3	3	3			3

Sample CO-PO Attainment

Course: 101- Managerial Accounting

CO-PO Attainment													
Course Code	Course Name	Course Outcome No. (CO)	CO Attainment	Program Outcomes (POs)									
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
101	Managerial Accounting	CO101.1	3.0	2.0									
		CO101.2	3.0	3.0									
		CO101.3	3.0	3.0	2.0	3.0			2.0	3.0			2.0
		CO101.4	3.0	3.0	3.0	3.0	2.0	2.0	3.0	2.0			3.0
		CO101.5	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0			3.0
PO Attainment				2.8	2.7	2.7	2.5	2.5	2.7	2.7			2.7


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Direct PO Attainment of all courses

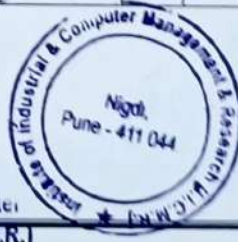
ATSS's											
Institute of Industrial and Computer Management and Research (IICMR)											
MBA@IICMR											
PO Attainment of all courses in the program											
2021-23 Batch											
Course Code	Course Name	Program Outcomes (POs) Attainment									
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
101	Managerial Accounting	2.8	2.7	2.7	2.5	2.5	2.7	2.7			2.7
102	Organizational Behaviour	2.3	2.3	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5
103	Economic Analysis for Business Decisions	2.7	2.5	2.7	2.5	3.0	2.5	2.5	2.5		2.7
104	Business Research Methods	2.8	2.8	3.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0
105	Basics of Marketing	2.7	3.0	2.8	2.8	2.5	2.3	2.0			2.8
106	Digital Business	2.8	2.7	2.8	2.8	2.5	2.3	2.5	2.0	2.5	
107	Management Fundamentals	2.5	2.0	2.6	2.5	2.5	2.5	3.0			2.3
109	Entrepreneurship Development	2.3	3.0	3.0		2.0		3.0	2.0		2.0
112	Demand Analysis and Forecasting	2.8	2.5	2.5	2.0		2.5				
113	Verbal Communication Lab	2.8	2.3	2.5	2.5		2.5	2.0	3.0		2.5
114	Enterprise Analysis - Desk Research	2.8	2.3	2.5	2.5		2.5	2.0	3.0		2.5
116	MS-Excel	2.2	2.3	2.8	2.3	2.3	2.0	2.0			2.0
201	Marketing Management	3.0	3.0	3.0	3.0		3.0		3.0	2.0	3.0
202	Financial Management	2.8	2.6	2.8	2.5	2.5	2.3	2.5			2.5
203	Human Resource Management	2.6	2.6	2.6	2.6					2.6	1.7
204	Operations & Supply Chain Management	2.0	2.4	2.0	2.6	2.2					
207	Contemporary Frameworks in Management	2.5	1.0	2.5	2.3	2.2	1.0	2.0	1.0	2.3	1.5
208	Geopolitics & World Economic Systems	3.0	2.5	2.7			2.0	2.0			2.3
209	Start Up and New Venture Management	2.2	2.2	2.0	1.5	2.2	2.2	2.2			2.0
205 MKT	Marketing Research	2.7	2.5	3.0	2.8	2.5	2.5	2.5	2.5	2.5	2.5
206 MKT	Consumer Behaviour	2.2	2.6	2.6	2.6		2.6	0.9			1.7
205 FIN	Financial Markets and Banking Operations	2.0	2.3	2.3	2.0	2.0	2.3	2.3			2.8
206 FIN	SC-FIN-02 Personal Financial Planning	3.0	2.8	3.0	2.0						3.0

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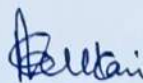
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205 HR	Competency Based Human Resource Management	2.0	2.2	2.6	1.7		2.2			1.7	2.6
205 OSCM	OSCM-Services Operations Management-I	2.6		2.6	2.6	2.6	2.6	2.6			
206 HR	Employee Relations & Labour Legislation	3.0	2.7	3.0	3.0	2.5	3.0	2.0			1.5
205 BA	Basic Business Analytics using R	2.3	2.2	2.0	2.3	2.3	2.4	2.4			2.2
206 BA	Data Mining	3.0	2.0	3.0	3.0						
219 MKT	Personal Selling Lab	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
220 MKT	Digital Marketing - I	2.7		3.0	3.0						3.0
219 FIN	Direct Taxation	2.0	2.5	3.0		3.0	2.0	3.0			2.3
220 FIN	Financial Reporting	3.0	3.0	3.0	2.5		3.0				2.5
220 HRM	Public Relations & Corporate Communications	3.0	2.0	3.0	2.0	2.0	2.7	2.0	3.0	2.0	
221 HRM	HR Analytics	3.0	2.0	2.5	2.0	2.5	2.0	2.0		2.0	3.0
217 BA	Marketing Analytics	2.8	3.0	3.0	2.0		3.0				2.5
219 BA	Workforce Analytics	3.0	3.0	2.5	3.0	2.0	2.0	2.0	2.0	3.0	2.0
301	Strategic Management	2.3	2.3	2.8	2.3	3.0	3.0	2.0		2.5	2.0
302	Decision Science	2.3	2.3	2.5	2.5						2.7
307	International Business Environment	0.7	0.9	0.8			0.7	0.5	0.5	0.5	0.5
308	Project Management	2.2	2.7	2.0	2.3	2.0	2.5	2.5			2.3
309	Knowledge Management	2.7	2.5	2.5	2.3	2.5				2.5	2.5
304 MKT	Services Marketing	2.6	2.6	1.8	1.4	0.9	2.2	2.6	2.2	1.7	1.8
305 MKT	Sales & Distribution Management	2.7	2.5	2.5	2.5	2.5	2.1	2.1	2.5	2.1	2.1
312 MKT	Business to Business Marketing	3.0	3.0	2.0	1.5	3.0	2.5	2.5	2.5	2.5	2.5
316 MKT	Marketing Analytics	2.6	2.0	2.0	1.9		3.0				2.0
304 FIN	Advanced Financial Management	2.2	1.8	1.8	2.0		2.2		2.2	1.8	
305 FIN	International Finance	2.3	2.8	2.5	2.7	2.7	2.3	2.3			2.3
315 FIN	Indirect Taxation	3.0	3.0	3.0	3.0	1.8	1.2	3.0	3.0	3.0	2.2
317 FIN	Financial Modeling	2.2	2.0	2.3		3.0	2.0	2.3			2.5
304HR M	Strategic Human Resource Management	2.3	2.0	2.3	2.3	2.5	2.3	2.5	2.5	2.3	2.5
305HR M	HR Operations	2.2	2.2	1.8	2.2	2.0	2.0	2.0		1.8	2.0
312HR M	Talent Management	2.5		2.5		2.5		2.7			
317 HRM	Compensation and Reward Management	2.8	2.2	3.0	2.0		2.5	2.5	1.5	1.2	2.1
304 OSCM	Services Operations Management - II	2.7	2.5	2.5	2.5	2.5	2.5	2.5			
317OSCM	Six Sigma for Operations	3.0	2.7	3.0	2.8	2.7	2.0	2.0		2.0	2.0
304 BA	Advanced Statistical Methods using R	2.0	2.6	2.6	2.4	2.4	2.4				2.2


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305 BA	Machine Learning & Cognitive intelligence using Python	2.5	2.0	2.7	2.5						
315 BA	BA SE-IL-BA-11 E-COMMERCE ANALYTICS - I	2.5	2.3	2.7	2.0	2.0	2.0	2.0			2.0
316 BA	Predictive Modelling using SPSS Modeller	2.2	1.5	1.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SC-PHCM-01	Fundamentals of Pharma and Healthcare Management	3.0	2.5	2.2	2.3	2.0		2.0			
SC-PHCM-3	Strategic Planning & Healthcare Management	3.0	3.0	3.0	3.0	2.0	3.0	2.5	3.0	2.0	3.0
SC-THM-01	Fundamentals of Hospitality Management	2.3	2.2		2.6	1.7	1.7	2.3		2.6	2.0
SC-THM-03	Event Management	2.4	2.7	2.8	2.5		2.7	2.5	2.5	2.5	2.5
304 IB	Import Export Documentation and Procedures	2.4	2.2	2.3		1.7	2.2	2.2			2.2
401	Enterprise Performance Management	2.4	3.0	2.7	3.0	2.7	2.7	2.7	2.7	2.7	2.7
402	Indian Ethos & Business Ethics	2.3	2.7	2.8	2.3	2.7	2.5	2.5		2.5	2.3
405	Global Strategic Management	2.5		2.5	2.5			2.5			2.2
408	Corporate Social Responsibility & Sustainability	2.5	3.0	3.0		2.0	2.0	3.0	2.5	3.0	
403 MKT	Marketing Strategy	2.7	2.3	2.6	2.7	1.3	2.1	1.8	2.1	2.1	2.1
412 MKT	Retail Marketing	2.8	2.5	2.5	2.5	2.5					
404 FIN	Current Trends & Cases in Finance	3.0	3.0	3.0	2.7	2.5	2.8	2.8			2.5
411 FIN	Risk Management	2.6	2.7	2.7	2.0	2.0	2.0	2.0			2.7
412 FIN	Strategic Cost Management	2.8	3.0	3.0	2.7	2.0	2.5	2.0			2.5
403 HR	Organizational Diagnosis & Development	2.5	2.5	2.5	2.5	2.5		2.8		2.5	2.3
413 HR	Employee Engagement and Ownership	2.0	2.0	3.0	2.0	2.5		2.3		3.0	2.0
414 HR	Leadership and Succession Planning	3.0	2.6	3.0	3.0	1.5	2.0	1.0	2.0	2.0	2.0
403 OSCM	E Supply Chains & Logistics	2.7	2.5	2.5	2.5	2.5	2.5	2.5			
411 OSCM	Supply Chain Strategy	2.3	2.5	3.0	2.5	2.5	2.5	2.5			
404 BA	Artificial Intelligence in Business Applications	2.0	2.8	2.7							
409 BA	E Commerce Analytics - II	3.0	3.0	3.0	2.0	2.0	2.5	2.7			2.5
412 BA	Scala and Spark	2.1	3.0	3.0	2.8						

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23/Attainment Calculation

SC - PHCM- 02	Pharma and healthcare regulatory environment in India	3.0	2.2	2.4	2.6	2.4		2.0			
SE - PHCM- 06	Entrepreneurship in Pharma and Healthcare	2.7	3.0	2.5	3.0	2.0	3.0	2.5	2.3	0.8	3.0
SC - THM - 02	Tourism & Travel Management	2.3	2.0		2.0	2.0	2.0	2.0	2.0	2.0	2.2
SE - THM - 05	Strategic Hospitality Management	3.0	3.0		2.0	3.0	3.0	3.0	3.0		2.8
404 IB	Global Trade and Logistics Management	2.5	2.5	3.0	2.0	2.0	2.0	2.0			2.0
413 IB	International Banking and Foreign Exchange Management	2.7	2.5	2.8	2.7	2.7	2.5	2.5			2.8
	Average Direct PO Attainment	2.6	2.5	2.6	2.4	2.3	2.3	2.3	2.2	2.1	2.3
	Weightage	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
	Average Direct PO Attainment (0.8)	2.0	2.0	2.1	1.9	1.8	1.8	1.8	1.8	1.7	1.8

Indirect Attainment of POs

Particulars	Indirect Assessment (Pos)									
	Program Exit Survey									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Students' ratings as Strongly Agree	18	17	17	17	17	18	18	18	17	17
Students' ratings as Agree	68	69	71	71	71	69	69	69	70	70
Students' ratings as Neutral	2	2	2	1	1	3	2	3	2	2
Students' ratings as Disagree	3	3	1	2	2	1	2	1	2	2
Students' ratings as Strongly Disagree	0	0	0	0	0	0	0	0	0	0
Threshold Level	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Target Marks	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
No. of stud attempted	91	91	91	91	91	91	91	91	91	91
No. of stud who achieve the target	88	88	90	89	89	90	89	90	89	89
Expected numbers to achieve target level 60%	55	55	55	55	55	55	55	55	55	55
Expected numbers to achieve target level 50%	46	46	46	46	46	46	46	46	46	46
Expected numbers to achieve target level 40%	36	36	36	36	36	36	36	36	36	36
Attainment level of the CO	3	3	3	3	3	3	3	3	3	3
Weightage	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Average Indirect PO Attainment (0.8)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

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MBA@IICMR/2022-23/Attainment Calculation

Program Outcomes (POs) Attainment

Average Direct PO Attainment (0.8)	2.0	2.0	2.1	1.9	1.8	1.8	1.8	1.8	1.7	1.8
Average Indirect PO Attainment (0.2)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Overall PO Attainment (2021-23 Batch)	2.6	2.6	2.7	2.5	2.4	2.4	2.4	2.4	2.3	2.4
PO Achievement Level (2021-23 Batch)	2.5									

Summary: The PO achievement level of 2021-23 batch is 2.5, the target attainment level is 2, Since Po achievement level (2.5) > Target Level (2), and hence we are able to achieve our target level.

Prepared by



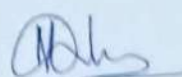
Dr. Rajendra Agawane
Dr. Swapnisha Khambayat
(Examination Coordinators)

Verified by

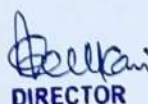


Dr. Vinod Bhelose
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