
	<p>ZEAL EDUCATION SOCIETY'S</p> <p>ZEAL INSTITUTE OF BUSINESS ADMINISTRATION, COMPUTER APPLICATION AND RESEARCH (ZIBACAR)</p> <p>NARHE PUNE -41 INDIA</p> <p>Programme – MBA & MCA</p>	
Doc No:- ZEAL/ZB/ACAD/P-05/F-30	Revision: 00	Date:01/09/2023

CRITERION 2 – Teaching-Learning and Evaluation

Key Indicator- 2.6 Student Performance and Learning Outcomes

2.6.2: Attainment of Programme outcomes and Course Outcomes are evaluated by the institution.

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)
Internal Assessment tools (30% Weightage)	External Assessment tools (70% Weightage)	Course Exit Survey (End of Course Survey)
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
1	Role Play / Story Telling
1	Individual Term Paper / Thematic Presentation
1	Written Home Assignment
1	Industry Analysis – (Group Activity or Individual Activity)
1	Literature Review / Book Review
1	Model Development / Simulation Exercises – (Group Activity or Individual Activity)
1	In-depth Viva
1	Quiz


Director





Head, Management Programme



ZEAL EDUCATION SOCIETY'S
**ZEAL INSTITUTE OF BUSINESS ADMINISTRATION,
 COMPUTER APPLICATION AND RESEARCH (ZIBACAR)**
 NARHE | PUNE -41 | INDIA
Programme – MBA & MCA



Doc No:- ZEAL/ZB/ACAD/P-05/F-30

Revision: 00

Date: 01/09/2023

CO-PO-PSO Mapping and Attainment

Course wise CO Attainment (%)

Sr. No.	Course code	Course	Benchmark	CO 1	CO 2	CO 3	CO 4	CO 5
1	IT11	JAVA PROGRAMMING	100	44.18	43.97	42.46	44.92	42.61
2	IT12	DATA STRUCTURE AND ALGORITHMS	100	52.30	51.68	51.33	46.06	44.06
3	IT13	OBJECT ORIENTED SOFTWARE ENGINEERING	100	62.44	66.42	67.09	67.09	67.09
4	IT14	OPERATING SYSTEM CONCEPTS	100	60.90	59.67	61.48	45.24	48.76
5	IT15	NETWORK TECHNOLOGIES	100	67.20	60.48	58.86	47.42	59.94
6	IT11L	JAVA PROGRAMMING LAB	100	100.00	100.00			
7	IT11L	DATA STRUCTURE AND ALGORITHMS LAB	100	100.00	100.00			
8	ITC11	MINI PROJECT	100	99.60				
9	OC1	OC1	100	100.00	100.00			
10	OC2	OC2	100	100.00	100.00			
11	IT21	Python Programming	100	44.73	44.18	44.88	78.29	31.18
12	MT21	Optimization Techniques	100	65.77	62.84	52.73	55.48	55.88
13	IT22	Software Project Management	100	69.36	68.13	69.94	53.71	57.22
14	IT23	Advanced Internet Technologies	100	58.00	58.96	61.13	55.94	52.01
15	IT24	Advanced DBMS	100	51.58	52.42	55.16	54.70	51.33
16	IT21L	Python Programming - Lab	100	100.00	100.00			
17	IT21L	Advanced Internet Technologies - Lab	100	100.00	100.00			
18	ITC21	MINI PROJECT	100	99				
19	OC21	OC3 (Aptitude)	100	93.56	94.66			
20	OC22	OC4 (Tableau)	100	89.67	95.78			
21	SS - II	Soft Skill (Under C2C Training)	100	100.00	100.00			
22	IT31	Mobile Application Development	100	59.52	53.24	59.53	47.03	49.47
23	IT32	Data Warehousing and Data Mining	100	31.03	51.88	43.80	50.09	45.61
24	IT33	Software Testing and Quality Assurance	100	48.99	56.12	53.49	55.18	50.73
25	IT34	Knowledge Representation & Artificial Intelligence - ML, DL	100	57.34	48.58	48.01	38.66	50.12
26	IT35	Cloud Computing	100	52.79	55.06	47.70	51.48	54.55
27	OC31	Open Course 5 (Aptitude Building)	100	100.00	92.54			
28	OC32	Open Course 6	100	100.00	73.13			
29	IT31L	Mobile Application Development Practical	100	100.00	100.00			
30	IT31L	Knowledge Representation & Artificial Intelligence - ML, DL	100	100.00	100.00			
31	ITC31	Mini Project	100	99.60				
32	SS31	Soft Skills- III	100	100.00	73.13			
33	IT41	DevOps	100	64.21	61.20	63.96	48.57	48.21
34	BM41	PPM & OB	100	69.36	68.37	67.38	65.59	64.79
35	ITC41	Major Project	100	98.09				





ZEAL EDUCATION SOCIETY'S
**ZEAL INSTITUTE OF BUSINESS ADMINISTRATION,
 COMPUTER APPLICATION AND RESEARCH (ZIBACAR)**
 NARHE | PUNE -41 | INDIA
Programme – MBA & MCA



Doc No:- ZEAL/ZB/ACAD/P-05/F-30

Revision: 00

Date: 01/09/2023

CO-PO-PSO Mapping and Attainment**Course wise CO Attainment Level**

Sr. No.	Course code	Course	Benchmark	CO 1	CO 2	CO 3	CO 4	CO 5
1	IT11	JAVA PROGRAMMING	3	1.11	1.11	1.11	1.11	1.11
2	IT12	DATA STRUCTURE AND ALGORITHMS	3	1.11	1.03	1.11	0.96	0.78
3	IT13	OBJECT ORIENTED SOFTWARE ENGINEERING	3	2.23	2.23	2.23	2.23	2.23
4	IT14	OPERATING SYSTEM CONCEPTS	3	2.04	2.04	2.04	1.23	1.64
5	IT15	NETWORK TECHNOLOGIES	3	2.32	2.14	2.32	1.51	2.32
6	IT11L	JAVA PROGRAMMING LAB	3	2.89	2.89	2.89	2.89	2.89
7	IT11L	DATA STRUCTURE AND ALGORITHMS LAB	3	3.00	3.00			
8	ITC11	MINI PROJECT	3	3.00				
9	OC1	OC1	3	3.00	3.00			
10	OC2	OC2	3	3.00	3.00			
11	IT21	Python Programming	3	0.86	0.82	0.86	0.71	0.30
12	MT21	Optimization Techniques	3	2.79	2.71	2.35	2.49	2.49
13	IT22	Software Project Management	3	2.89	2.89	2.89	2.08	2.49
14	IT23	Advanced Internet Technologies	3	2.33	2.37	2.32	2.33	1.97
15	IT24	Advanced DBMS	3	1.11	1.11	1.11	1.11	1.11
16	IT21L	Python Programming - Lab	3	3.00	3.00			
17	IT21L	Advanced Internet Technologies - Lab	3	3.00	3.00			
18	ITC21	MINI PROJECT	3	3.00				
19	OC21	OC3 (Aptitude)	3	3.00	3.00			
20	OC22	OC4 (Tableau)	3	3.00	3.00			
21	SS - II	Soft Skill (Under C2C Training)	3	3.00	3.00			
22	IT31	Mobile Application Development	3	2.38	2.18	2.28	1.61	1.61
23	IT32	Data Warehousing and Data Mining	3	0.30	1.11	0.75	1.11	0.93
24	IT33	Software Testing and Quality Assurance	3	0.94	1.11	0.98	1.11	1.11
25	IT34	Knowledge Representation & Artificial Intelligence - ML, DL	3	1.11	0.90	0.98	0.30	1.11
26	IT35	Cloud Computing	3	1.11	1.11	0.96	1.11	1.11
27	OC31	Open Course 5 (Aptitude Building)	3	3.00	3.00			
28	OC32	Open Course 6	3	3.00	3.00			
29	IT31L	Mobile Application Development Practical	3	3.00	3.00			
30	IT31L	Knowledge Representation & Artificial Intelligence - ML, DL	3	3.00	3.00			
31	ITC31	Mini Project	3	3.00				
32	SS31	Soft Skills- III	3	3.00	3.00			
33	IT41	DevOps	3	2.18	2.18	2.18	1.37	1.37
34	BM41	PPM & OB	3	69.36	68.37	67.38	65.59	64.79
35	ITC41	Major Project	3	3.00				



ZEAL EDUCATION SOCIETY'S
**ZEAL INSTITUTE OF BUSINESS ADMINISTRATION,
 COMPUTER APPLICATION AND RESEARCH (ZIBACAR)**
 NARHE | PUNE -41 | INDIA
Programme – MBA & MCA



Doc No:- ZEAL/ZB/ACAD/P-05/F-30

Revision: 00

Date: 01/09/2023

CO-PO-PSO Mapping and Attainment

Sr. No.	Course code	Course/ Activity	Course wise POs-PSOs Attainment Level																	
			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	PSO 4	PSO 5	
1	IT11	JAVA PROGRAMMING	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
2	IT12	DATA STRUCTURE AND ALGORITHMS	1.00	0.99	0.99	0.99	0.99	1.00	0.99	0.99	0.99	1.00	0.99	0.99	1.00	0.99	0.99	0.99	0.99	0.99
3	IT13	OBJECT ORIENTED SOFTWARE ENGINEERING	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23
4	IT14	OPERATING SYSTEM CONCEPTS	1.80	1.80	1.77	1.80	1.78	1.80	1.80	1.80	1.64	1.77		1.77	1.64	1.80	1.78	1.78	1.77	1.77
5	IT15	NETWORK TECHNOLOGIES	2.12	2.12	2.18	2.18	2.16	2.12	2.12	2.32	2.18		2.18	2.26	2.12	2.16	2.16	2.18	2.18	2.18
6	IT11L	JAVA PROGRAMMING LAB	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
7	IT11L	DATA STRUCTURE AND ALGORITHMS LAB	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
8	ITC11	MINI PROJECT	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
9	OC1	OC1	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
10	OC2	OC2	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
11	IT21	Python Programming	0.71	0.70	0.70	0.69	0.70	0.71	0.69	0.69	0.69	0.71	0.69	0.69	0.71	0.70	0.68	0.69	0.69	0.69
12	MT21	Optimization Techniques	2.75	2.74	2.75	2.74	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.74	2.75	2.75	2.75
13	IT22	Software Project Management	2.65	2.65	2.67	2.63	2.67	2.65	2.65	2.65	2.61	2.58	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
14	IT23	Advanced Internet Technologies	2.25	2.25	2.24	2.24	2.25	2.25	2.25	2.24	2.25		2.24	2.24	2.25	2.25	2.24	2.24	2.24	2.24
15	IT24	Advanced DBMS	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
16	IT21L	Python Programming - Lab	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
17	IT21L	Advanced Internet Technologies - Lab	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
18	ITC21	MINI PROJECT	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
19	Direct Attainment	OC21	OC3 (Aptitude)	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
20		OC22	OC4 (Tableau)	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
21		SS - II	Soft Skill (Under C2C Training)	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
22		IT31	Mobile Application Development	2.01	1.96	1.96	1.93	1.96	2.01	1.93	1.93	1.93	2.01	1.93	1.93	2.01	1.96	1.96	1.93	1.93
23		IT32	Data Warehousing and Data Mining	0.84	0.86	0.86	0.88	0.86	0.84	0.88	0.88	0.88	0.84	0.88	0.88	0.84	0.86	0.89	0.88	0.88
24		IT33	Software Testing and Quality Assurance	1.03	1.04	1.03	1.04	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.04	1.03	1.03
25		IT34	Knowledge Representation & Artificial Intelligence - ML, DL	0.88	0.84	0.84	0.83	0.84	0.88	0.82	0.82	0.82	0.88	0.82	0.82	0.88	0.84	0.84	0.82	0.81
26		IT35	Cloud Computing	1.08	1.08	1.08	1.07	1.08	1.08	1.07	1.07	1.07	1.08	1.07	1.07	1.08	1.08	1.07	1.07	1.07
27		OC31	Open Course 5 (Aptitude Building)	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
28		OC32	Open Course 6	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
29		IT31L	Mobile Application Development Practical	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
30		IT31L	Knowledge Representation & Artificial Intelligence - ML, DL	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
31		ITC31	Mini Project	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
32		SS31	Soft Skills- III	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
33		IT41	DevOps	1.86	1.87	1.87	1.88	1.87	1.86	1.88	1.88	1.88	1.86	1.88	1.88	1.86	1.87	1.89	1.88	1.88
34		BM41	PPM & OB	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
35		ITC41	Major Project	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
			Average	1.92	1.92	1.92	1.92	1.92	1.92	1.91	1.92	1.91	1.93	1.92	1.91	1.92	1.92	1.92	1.92	1.94
62	Indirect Attainment	Survey	Graduate Exit Survey	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
			Average	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
			Final Attainment Level	1.90	2.02	2.03	2.02	2.03	2.03	2.02	2.02	2.02	2.04	2.02	2.02	2.03	2.03	2.03	1.72	1.75



[Signature]
Programme Coordinator

[Signature]
Academic Head

[Signature]
Director

Director
 Zeal Education Society's
 Zeal Institute of Business
 Administration Computer Application
 & Research, Pune-411041.



ZEAL EDUCATION SOCIETY'S
**ZEAL INSTITUTE OF BUSINESS ADMINISTRATION,
 COMPUTER APPLICATION AND RESEARCH (ZIBACAR)**
 NARHE | PUNE -41 | INDIA
Programme – MBA & MCA



Doc No:- ZEAL/ZB/ACAD/P-05/F-30

Revision: 00

Date: 01/09/2023

CO-PO-PSO Mapping and Attainment

Programme:	MCA	Course Coordinator Name:	Prof. Pravin Suryawanshi
Class & Div:	MCA-II	Course Code:	IT-41
Semester:	IV	Course Name:	DevOps
Pattern:	2020	Specialisation:	NA

% CO Attainment		CO 1	CO 2	CO 3	CO 4	CO 5	
Direct Attainment	Internal Assessment Tools	Assignment 1	98.53	89.71	97.06		
		Assignment 2	98.53	89.71	97.06		
		Assignment 3	82.35	65.00	77.61		
		Assignment 4				34.69	33.33
		Internal Attainment	93.14	81.47	90.58	34.69	33.33
	External Assessment Tools	Theory	47.06	47.06	47.06	47.06	47.06
		TW					
		Practical					
		Oral					
		External Attainment	47.06	47.06	47.06	47.06	47.06
Direct Attainment		60.88	57.38	60.11	43.35	42.94	
Indirect Attainment	End of Course Survey	ECS Q 1	94.12				
		ECS Q 2		95.59			
		ECS Q 3			98.53		
		ECS Q 4				95.59	
		ECS Q 5					95.59
		ECS Q 6					
Indirect Attainment		94.12	95.59	98.53	95.59	95.59	
Final % CO Attainment		64.21	61.20	63.96	48.57	48.21	





Doc No:- ZEAL/ZB/ACAD/P-05/F-30

Revision: 00

Date:01/09/2023

CO-PO-PSO Mapping and Attainment

CO Attainment Level		CO 1	CO 2	CO 3	CO 4	CO 5	
Direct Attainment	Internal Assessment Tools	Assignment 1	3.00	3.00	3.00		
		Assignment 2	3.00	3.00	3.00		
		Assignment 3	3.00	3.00	3.00		
		Assignment 4				0.00	0.00
		Internal Attainment	3.00	3.00	3.00	0.00	0.00
	External Assessment Tools	Theory	1.71	1.71	1.71	1.71	1.71
		TW					
		Practical					
		Oral					
		External Attainment	1.71	1.71	1.71	1.71	1.71
Direct Attainment		2.09	2.09	2.09	1.19	1.19	
Indirect Attainment	End of Course Survey	ECS Q 1	3.00				
		ECS Q 2		3.00			
		ECS Q 3			3.00		
		ECS Q 4				3.00	
		ECS Q 5					3.00
		ECS Q 6					
	Indirect Attainment		3.00	3.00	3.00	3.00	3.00
Final CO Attainment Level		2.18	2.18	2.18	1.37	1.37	

[Signature]
 Course Coordinator

[Signature]
 Programme Coordinator

[Signature]
 Academic Head





ZEAL EDUCATION SOCIETY'S
**ZEAL INSTITUTE OF BUSINESS ADMINISTRATION,
 COMPUTER APPLICATION AND RESEARCH (ZIBACAR)**
 NARHE | PUNE -41 | INDIA
Programme – MBA & MCA



Doc No:- ZEAL/ZB/ACAD/P-05/F-30

Revision: 00

Date: 01/09/2023

CO-PO-PSO Mapping and Attainment

Programme:	MCA	Course Coordinator Name:	Prof. Piyusha Deshpande
Class & Div:	MCA-II	Course Code:	BM-41
Semester:	IV	Course Name:	PPM and OB
Pattern:	2020	Specialisation:	NA

% CO Attainment		CO 1	CO 2	CO 3	CO 4	CO 5	
Direct Attainment	Internal Assessment Tools	Assignment 1	100.00	82.35			
		Assignment 2			100.00		
		Assignment 3	72.06	82.35	64.71		
		Assignment 4				72.06	69.12
		Internal Attainment	86.03	82.35	82.35	72.06	69.12
	External Assessment Tools	Theory	57.35	57.35	57.35	57.35	57.35
		TW					
		Practical					
		Oral					
		External Attainment	57.35	57.35	57.35	57.35	57.35
Direct Attainment		65.96	64.85	64.85	61.76	60.88	
Indirect Attainment	End of Course Survey	ECS Q 1	100.00				
		ECS Q 2		100.00			
		ECS Q 3			100.00		
		ECS Q 4				100.00	
		ECS Q 5					100.00
		ECS Q 6					
Indirect Attainment		100.00	100.00	100.00	100.00	100.00	
Final % CO Attainment		69.36	68.37	68.37	65.59	64.79	





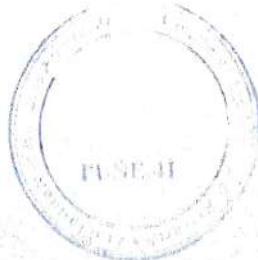
CO-PO-PSO Mapping and Attainment

CO Attainment Level			CO 1	CO 2	CO 3	CO 4	CO 5
Direct Attainment	Internal Assessment Tools	Assignment 1	3.00	3.00			
		Assignment 2			3.00		
		Assignment 3	3.00	3.00	3.00		
		Assignment 4				3.00	3.00
		Internal Attainment	3.00	3.00	3.00	3.00	3.00
	External Assessment Tools	Theory	2.74	2.74	2.74	2.74	2.74
		TW					
		Practical					
		Oral					
		External Attainment	2.74	2.74	2.74	2.74	2.74
Direct Attainment			2.81	2.81	2.81	2.81	2.81
Indirect Attainment	End of Course Survey	ECS Q 1	3.00				
		ECS Q 2		3.00			
		ECS Q 3			3.00		
		ECS Q 4				3.00	
		ECS Q 5					3.00
		ECS Q 6					
	Indirect Attainment			3.00	3.00	3.00	3.00
Final CO Attainment Level			2.83	2.83	2.83	2.83	2.83


 Course Coordinator


 Programme Coordinator


 Academic Head





ZEAL EDUCATION SOCIETY'S
**ZEAL INSTITUTE OF BUSINESS ADMINISTRATION,
 COMPUTER APPLICATION AND RESEARCH (ZIBACAR)**
 NARHE | PUNE -41 | INDIA
Programme – MBA & MCA



Doc No:- ZEAL/ZB/ACAD/P-05/F-30

Revision: 00

Date: 01/09/2023

CO-PO-PSO Mapping and Attainment

Programme:	MCA	Course Coordinator Name:	All Faculty Members
Class & Div:	MCA-II	Course Code:	ITC-41
Semester:	IV	Course Name:	Project
Pattern:	2020	Specialisation:	NA

% CO Attainment		CO 1	CO Attainment Level		CO 1	
Direct Attainment	Internal Assessment Tools	Assignment 1	98.53	Internal Assessment Tools	Assignment 1	3.00
		Class Test 2			Class Test 2	
		Seminar Review 1			Seminar Review 1	
		Seminar Review 2			Seminar Review 2	
		Seminar Review 3			Seminar Review 3	
		Project Review 1			Project Review 1	
		Project Review 2			Project Review 2	
		Project Review 3			Project Review 3	
		Project Review 4			Project Review 4	
	Internal Attainment	98.53	Internal Attainment	3.00		
	External Assessment Tools	Theory	98.53	External Assessment Tools	Theory	3.00
		TW			TW	
		Practical			Practical	
		Oral			Oral	
External Attainment		98.53	External Attainment		3.00	
Direct Attainment		98.53	Direct Attainment		3.00	
Indirect Attainment	End of Course Survey	ECS Q 1	94.12	End of Course Survey	ECS Q 1	3.00
		ECS Q 2			ECS Q 2	
		ECS Q 3			ECS Q 3	
		ECS Q 4			ECS Q 4	
		ECS Q 5			ECS Q 5	
		ECS Q 6			ECS Q 6	
	Indirect Attainment		94.12	Indirect Attainment		3.00
Final % CO Attainment		98.09	Final CO Attainment Level		3.00	

Havan

Programme Coordinator

Khaul
Academic Head





Course Exit Survey Report

Academic Year: 2023-24

Semester: 2

Year: FY

Name of the Faculty: 30029 : Kirti Samrit

Batch: Theory-A

Date: 02-Jul-2024

Feedback taken on: 05/04/2024 - 30/05/2024

No of Students Given Feedback: 39

Subject: IT22 : Software Project Management

A. COURSE EXIT SURVEY

Sr.No.	Question	Marks	Out of	Weightage Average
1	You understood the process of Software Project Management Framework and Apply estimation techniques.	318.0	370.0	85.95
2	You learned the philosophy, principles and lifecycle of an agile project.	324.0	370.0	87.57
3	You could demonstrate Agile Teams and Tools and Apply agile project constraints and trade-offs for estimating project size and schedule	318.0	370.0	85.95
4	You can explain Project Tracking and Interpretation of Progress Report	314.0	370.0	84.86
5	You can Analyze Problem statement and evaluate User Stories	308.0	370.0	83.24
Average Percentage		1582.0	1850.0	85.51

K. Samrit
HOD

[Signature]
Director

[Signature]
Dean Academics





Course Exit Survey Report

Academic Year : 2023-24

Semester : 2

Year : FY

Name of the Faculty : 2820120 - SHRAMIKA
ARIE

Batch : Theory - A

Date : 02-Jul-2024

Feedback taken on : 05/04/2024 -
30/05/2024No of Students Given Feedback :
35Subject : 203 - Start Up and New Venture
Management

A. COURSE EXIT SURVEY

Sr.No.	Question	Marks	Out of	Weightage of Average
1	Are you able to DESCRIBE the strategic decisions involved in establishing a startup?	256.0	350.0	81.71
2	Are you able to EXPLAIN the decision making matrix of entrepreneur in establishing a Start up startup.	278.0	350.0	79.43
3	Are you able to IDENTIFY the issues in developing a team to establish and grow a startup	274.0	350.0	78.29
4	Are you able to FORMULATE a go to market strategy for a startup?	272.0	350.0	77.71
5	Are you able to DESIGN a workable funding model for a proposed startup	272.0	350.0	77.71
6	Are you able to DEVELOP a convincing business plan description to communicate value of the new venture to customers, investors and other stakeholders?	282.0	350.0	80.57
Average Percentage		1654.0	2100.0	79.24


HOD


Director


Dean Academics





Course Exit Survey Report

Academic Year: 2023-24

Semester: 2

Year: 57

Name of the Faculty: 30198 : Shwetal Jadhav

Batch: Theory-B

Date: 02-Jul-2024

Feedback taken on: 05/04/2024 -
30/05/2024

No of Students Given Feedback:
39

Subject: 401 : Enterprise Performance
Management

A. COURSE EXIT SURVEY

Sr.No.	Question	Marks	Out of	Weightage of Average
1	You can enumerate the different parameters & facets of management control of an enterprise.	332.0	390.0	85.13
2	You can illustrate the various techniques of enterprise performance management for varied sectors.	324.0	390.0	83.08
3	You can determine the applicability of various tools and metrics as a performance evaluation & management tools.	308.0	390.0	78.97
4	You can analyse the key financial & non-financial attributes to evaluate enterprise performance.	310.0	390.0	79.49
5	You can Formulate the various parameters to evaluate enterprise performance effectively through implementation of strategy.	320.0	390.0	82.05
Average Percentage		1594.0	1950.0	81.74


HOD


Director


Dean Academics



