

Analysis and the T-L Strategies Planned On the Basis of CO-PO Attainment

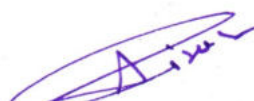
for
Master of Business Administration
(Two Years PG Program)
on
the basis of
CO-PO-PSO Attainments
for the Batches
2018-20, 2019-21, 2020-22 and 2021-23

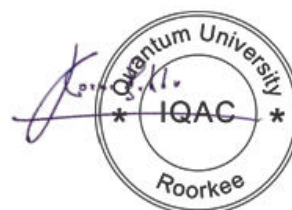


(Approved in 9th Meeting of BOM on 6th Oct'2023 vide Agenda 9.4.7.2)

By

Internal Quality Assurance Cell
Quantum University, Roorkee


Registrar
Quantum University



CO Attainment Matrix for Session 2022-23

Table-1
CO Attainment for Batch 22-24
(1st Semester)

Semester	Course ID.	Outcome attainment of Batch 2021-23 (Covid)
I	MB4101	2.756
I	MB4102	2.284
I	MB4103	2.193
I	MB4104	2.131
I	MB4105	2.583
I	MB4106	2.304
I	MB4107	2.624
I	MB4108	2.601
I	MB4109	2.501

Table-2
CO Attainment for Batch 22-24
(2nd Semester)

Semester	Course ID.	Outcome attainment of Batch 2021-23
II	MB4201	2.719
II	MB4202	2.740
II	MB4203	2.665
II	MB4204	2.715
II	MB4205	2.697
II	MB4206	2.676
II	MB4207	2.772
II	MB4208	2.666
II	MB4209	2.853

Table-3


 Registrar
 Quantum University



CO Attainment for Batch 21-23
(3rd Semester)

Semester	Course ID.	Course Outcome attainment of Batch 2021-23
III	MB4301	2.794
III	MB4302	2.773
III	MB4303	2.762
III	MB4304	2.513
III	MB4305	2.657
III	MB4308	2.848
III	MB4310	2.629
III	MB4312	2.408
III	MB4314	2.775
III	MB4315	2.254
III	MB4317	2.542
III	MB4301	2.591

Table-4
CO Attainment for Batch 21-23
(4th Semester)

Semester	Course ID.	Course Outcome attainment of Batch 2021-23
IV	MB4401	2.657
IV	MB4403	2.848
IV	MB4405	2.629
IV	MB4409	2.408
IV	MB4410	2.775
IV	MB4412	2.803
IV	MB4414	2.541


Registrar
Quantum University

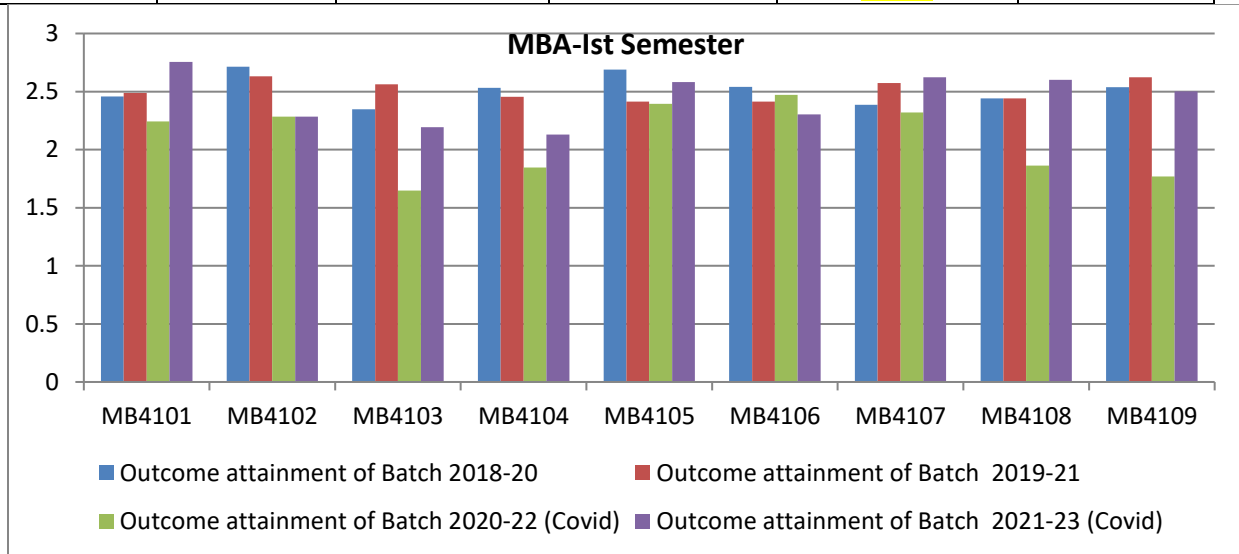


Batch Wise Comparison of Course Outcome Attainments

for
MBA (Two years PG Program)

Table-5
1st Year (Semester I)

Semester	Course ID.	Outcome attainment of Batch 2018-20	Outcome attainment of Batch 2019-21	Outcome attainment of Batch 2020-22 (Covid)	Outcome attainment of Batch 2021-23 (Covid)
I	MB4101	2.458	2.487	2.244	2.756
I	MB4102	2.715	2.632	2.285	2.284
I	MB4103	2.347	2.563	1.648	2.193
I	MB4104	2.532	2.454	1.847	2.131
I	MB4105	2.689	2.414	2.395	2.583
I	MB4106	2.541	2.414	2.472	2.304
I	MB4107	2.387	2.572	2.319	2.624
I	MB4108	2.441	2.441	1.863	2.601
I	MB4109	2.537	2.623	1.770	2.501

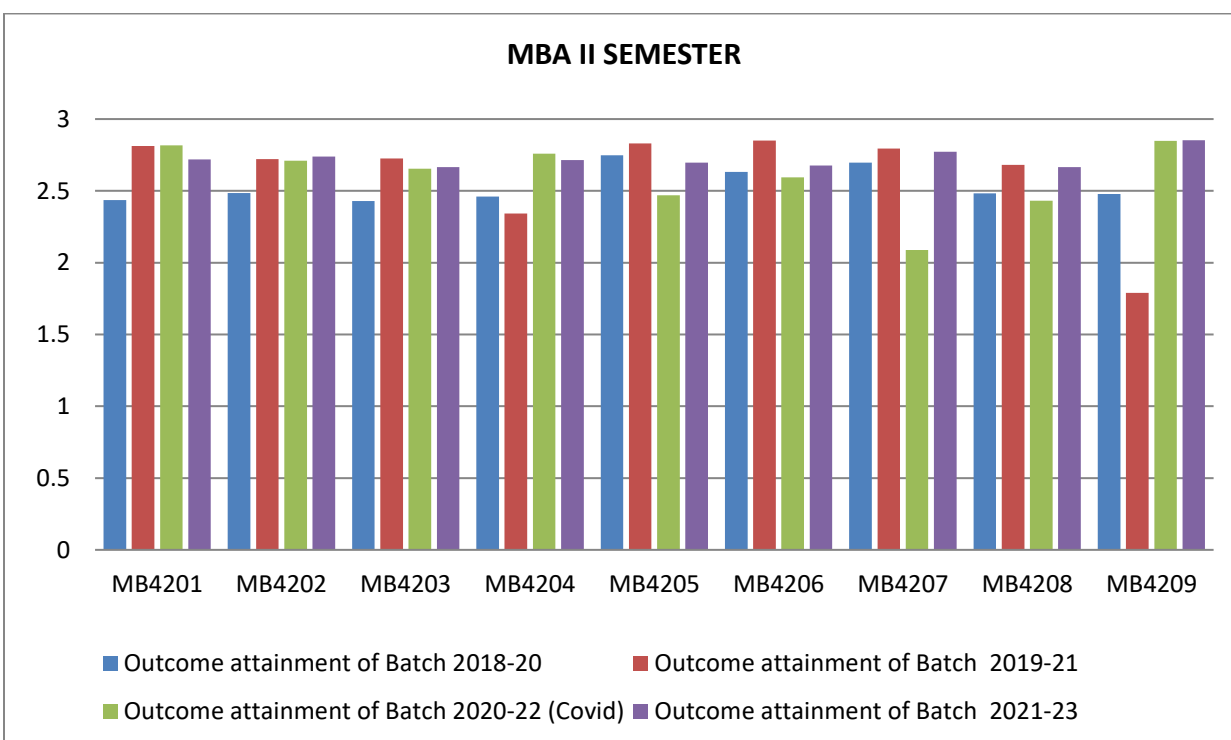



 Registrar
 Quantum University



Table-6
1st Year (Semester II)

Semester	Course ID.	Outcome attainment of Batch 2018-20	Outcome attainment of Batch 2019-21	Outcome attainment of Batch 2020-22 (Covid)	Outcome attainment of Batch 2021-23
II	MB4201	2.436	2.813	2.816	2.719
II	MB4202	2.485	2.721	2.710	2.740
II	MB4203	2.429	2.726	2.654	2.665
II	MB4204	2.460	2.342	2.760	2.715
II	MB4205	2.747	2.831	2.469	2.697
II	MB4206	2.633	2.850	2.594	2.676
II	MB4207	2.696	2.794	2.088	2.772
II	MB4208	2.482	2.681	2.431	2.666
II	MB4209	2.479	1.790	2.848	2.853



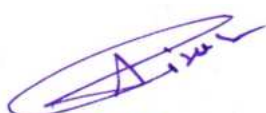
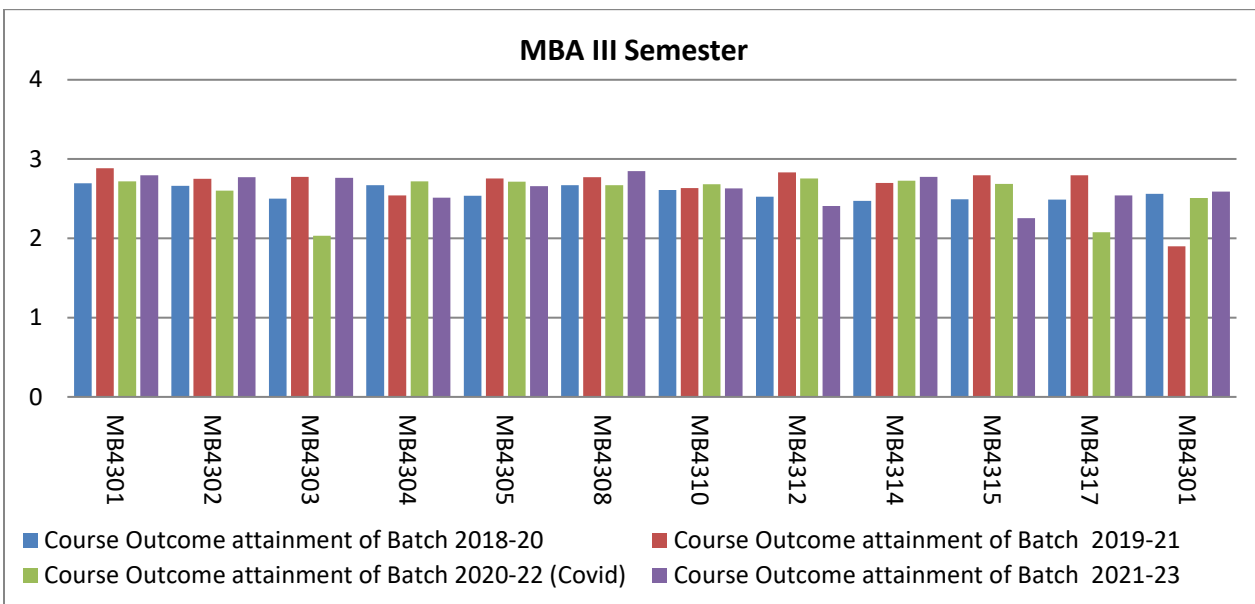

 Registrar
 Quantum University



Table-7
2ndYear (Semester III)

Semester	Course ID.	Course Outcome attainment of Batch 2018-20	Course Outcome attainment of Batch 2019-21 (Covid)	Course Outcome attainment of Batch 2020-22 (Covid)	Course Outcome attainment of Batch 2021-23
III	MB4301	2.693	2.884	2.719	2.794
III	MB4302	2.662	2.753	2.600	2.773
III	MB4303	2.501	2.775	2.034	2.762
III	MB4304	2.671	2.543	2.719	2.513
III	MB4305	2.538	2.756	2.713	2.657
III	MB4308	2.669	2.771	2.672	2.848
III	MB4310	2.610	2.635	2.681	2.629
III	MB4312	2.524	2.831	2.756	2.408
III	MB4314	2.474	2.698	2.728	2.775
III	MB4315	2.491	2.794	2.686	2.254
III	MB4317	2.490	2.794	2.078	2.542
III	MB4301	2.563	1.899	2.511	2.591

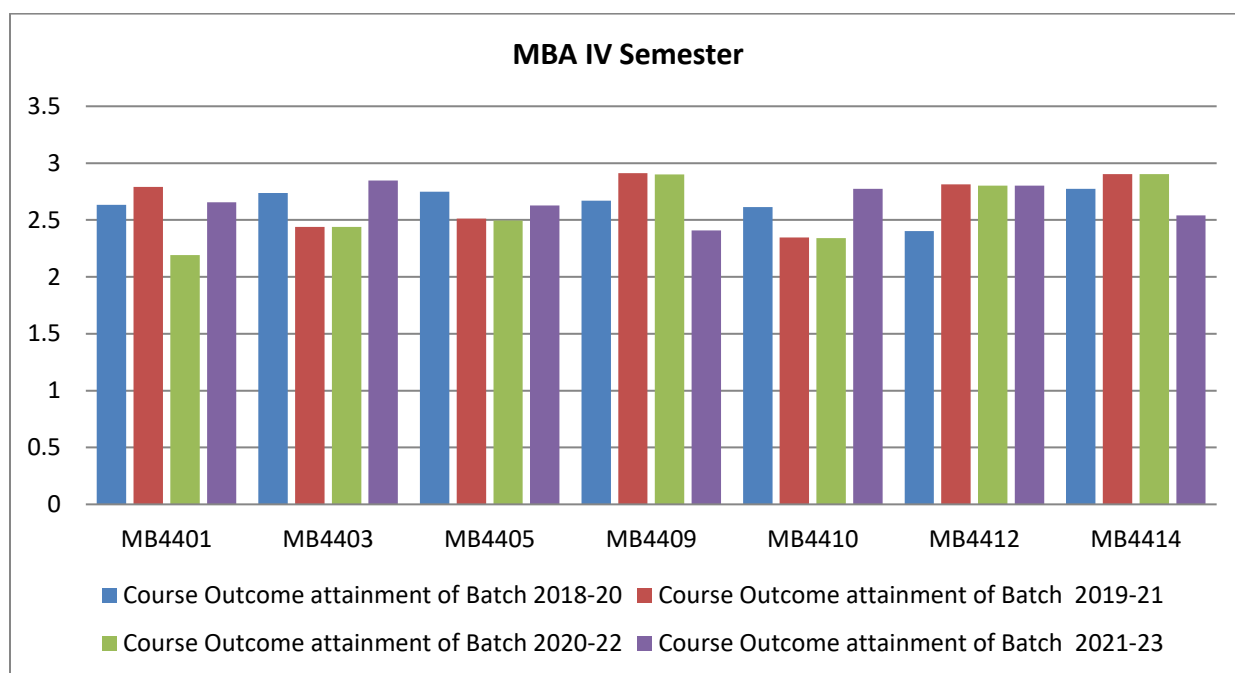


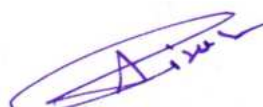
Registrar
Quantum University



Table-8
2nd Year (Semester IV)

Semester	Course ID.	Course Outcome attainment of Batch 2018-20 (Covid)	Course Outcome attainment of Batch 2019-21 (Covid)	Course Outcome attainment of Batch 2020-22	Course Outcome attainment of Batch 2021-23
IV	MB4401	2.633	2.791	2.191	2.657
IV	MB4403	2.738	2.438	2.438	2.848
IV	MB4405	2.750	2.511	2.496	2.629
IV	MB4409	2.670	2.912	2.901	2.408
IV	MB4410	2.614	2.345	2.340	2.775
IV	MB4412	2.402	2.813	2.803	2.803
IV	MB4414	2.775	2.904	2.904	2.541




 Registrar
 Quantum University

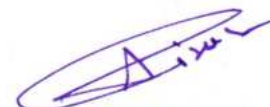


Direct PO-PSO Attainment for MBA

Table-9
PO-PSO Attainment Calculation for Batch 2021-23

Sem	Course ID.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	CO Attained (AVG)
I	MB4101	2	1.8	1.8	1.6	3	3	2	3	2	2	2.4	2.4	2.756
I	MB4102	3	1.8	2.4	1.8	2.4	2	2	2	2.6	2.2	2.6	2.8	2.284
I	MB4103	2.8	2.8	3	3	2	2.8	2.6	2.2	1.8	2.4	2.2	2.8	2.193
I	MB4104	2.2	1.8	1.6	2.2	1.6	1.8	1.6	1.6	1.6	1.6	2.6	2.6	2.131
I	MB4105	2.8	2.4	2.6	2.2	1	1.8	2	2.6	0.8	2	2.8	2.6	2.583
I	MB4106	2.2	2	2.4	1.4	0	1	2	2.4	0.6	2.2	2.6	2.6	2.304
I	MB4107	2.8	2.4	2.4	1.8	0.8	1.8	1.6	1.6	0.8	2.6	2.6	2.6	2.624
I	MB4108	3	3	3	2.4	3	0.8	2.4	1	1.4	3	2.6	2.6	2.601
I	MB4109	2	1.6	2.4	1.8	3	2.6	1.8	1.4	3	2.6	2.6	2.6	2.501
II	MB4201	3	3	2.8	3	3	3	3	3	0.2	2.2	2.8	2.6	2.719
II	MB4202	2.6	2.4	2.2	2.6	2.4	2	1.6	1.6	1.8	2.4	3	2.6	2.740
II	MB4203	2.4	2.2	2	2.4	2.2	2	2.4	2.4	2	2.2	2.2	2.4	2.665
II	MB4204	2.2	2.2	2	2.4	2	2.4	2.4	2.2	2.4	2	2.8	2.6	2.715
II	MB4205	3	3	3	2.6	1.6	3	3	3	0.8	3	2.6	2.8	2.697
II	MB4206	1.8	2.6	3	0.8	0.4	1.6	2.6	1.6	0.8	2.4	2.8	2.4	2.676
II	MB4207	3	2.6	2.8	1.8	1	3	3	1.8	1.2	3	2.4	2.8	2.772
II	MB4208	1.4	3	2.8	3	1.4	1.4	2.6	2.4	0.6	2	2.8	2	2.666
II	MB4209	3	1.8	2	2.6	3	3	2.6	3	2.4	3	2.6	2.8	2.853




 Registrar
 Quantum University

III	MB4301	2.8	2.2	2.4	2.4	2.6	2.8	2.4	2.2	1.8	2.6	2.8	2.8	2.794
III	MB4302	3	1.8	1.8	3	1.8	3	3	1.6	1.8	3	2.4	2.6	2.773
III	MB4303	2.6	2.6	2.2	1.8	2	2	2.2	2.2	2.2	1.8	2.6	2.6	2.762
III	MB4304	3	3	2.8	1.6	1.4	1.8	3	2.6	0.4	3	2.6	2.8	2.513
III	MB4305	2.6	2	2.4	2.4	2.2	2	2	2.2	2.2	2.6	2.8	2.4	2.657
III	MB4306	2.6	1.8	2.2	2.4	1.6	3	2.8	1.4	1.2	3	2.6	2.8	2.848
III	MB4307	3	3	2.6	2.2	1	3	3	2.2	1.6	3	2.4	2.6	2.629
III	MB4308	2.8	2.6	2.6	2.4	0.8	2.8	3	1.8	1.6	2.8	2.8	2.8	2.408
III	MB4309	2.6	1.4	1.6	2.4	1.6	3	2.6	1.4	1.6	2.6	2.8	2.6	2.775
III	MB4310	2.8	2	2.6	2.2	0.6	1.8	1.2	2.4	1.4	1.8	3	2.6	2.254
III	MB4311	2.6	2.6	1.8	3	1.6	2.8	1.8	1.8	1.8	1.8	2.6	2.8	2.542
III	MB4312	1.8	2.6	1.8	2	2.2	1.8	2	2.6	1.6	2.2	2.8	2.6	2.591
III	MB4313	2.8	2.2	2.4	2	2	1.4	3	3	3	2.4	2.6	2.6	2.665
III	MB4314	2.8	2.2	2.6	2.4	3	2.4	2.4	3	3	1.4	2.6	2.6	2.715
III	MB4315	3	2.6	3	2.4	3	1.4	3	3	3	3	2.6	2.8	2.697
III	MB4316	3	3	3	2.4	3	2.2	1.6	3	3	3	2.8	2.8	2.676
III	MB4317	2.6	1.8	2.6	1.2	3	1.6	3	2.6	2.6	3	2.6	2.8	2.772
III	MB4318	2.8	0.8	1.2	3	0.8	3	3	1.6	1.8	2	2.6	2.8	2.666
III	MB4319	3	2.8	2	1.2	2.8	3	2.8	3	3	3	2.6	2.4	2.524
III	MB4320	2	1.6	2.6	3	2.2	3	3	1.8	1.8	2.4	2.8	2.6	2.474
III	MB4321	2.4	2	2.8	2.4	1.4	1.6	2.6	1.8	1.8	3	2.6	2.8	2.491
III	MB4322	2.8	2.6	2.6	2.8	2.2	3	3	1.6	1.8	3	2.8	2.6	2.490
III	MB4323	2.6	2.4	2.8	1.8	2.2	2.6	3	1.6	2.4	3	2.8	2.6	2.563
III	MB4324	1.8	2.6	2.4	3	1.6	2	3	2	1.8	3	2.8	3	2.670
III	MB4325	2.4	2.4	2.6	3	1.6	3	3	1.8	2	1.6	2.8	2.8	2.469
III	MB4326	1.4	2.6	1.4	3	1.8	3	3	1.8	1.8	3	2.8	2.8	2.594
III	MB4327	1.8	2.4	1.6	3	2.2	2.4	3	1.4	1.8	3	2.4	2.6	2.088
III	MB4328	3	2.4	2.6	3	2.2	3	3	1.6	1.6	2.6	2.6	2.8	2.665




Registrar
Quantum University

III	MB4329	2.2	2.4	2	2.6	2	1.6	1.6	1.8	1.8	1.6	2.6	2.6	2.715
III	MB4330	2.4	2.4	1.8	2.6	2.2	2	1.6	1.6	1.8	1.6	2.6	2.8	2.697
III	MB4370	2.2	1.8	2.2	2.6	2.6	2	2.4	2.6	2.4	2.4	2.6	2.6	2.676
IV	MB4401	3	2.8	3	2.6	2.2	3	2.8	3	2.6	3	2.8	2.6	2.657
IV	MB4403	2.6	3	3	1.8	2	2.6	3	2.4	1.8	3	2.6	2.4	2.848
IV	MB4404	2.6	2.2	2.4	3	0.8	1.4	3	2	1.4	2.6	2.4	2.6	2.629
IV	MB4405	2.6	3	2.8	2.8	1	2.4	2.8	2	0.8	3	2.8	2.8	2.408
IV	MB4406	1.8	3	3	3	1.2	2.4	3	2.4	1.2	2.4	2.8	2.6	2.775
IV	MB4407	3	2.4	2.8	2.2	1.6	1.6	1.8	1.4	1.6	2	2.6	2.8	2.803
IV	MB4408	2	1.8	1.8	3	1.8	2	2.4	1.6	2	2.4	2.8	2.8	2.541
IV	MB4409	2.6	2.4	3	0	0.6	3	3	2.4	0.4	3	2.6	2.8	2.657
IV	MB4410	3	2.4	3	2	1	2.6	2.6	2.6	2.8	3	3	2.8	2.848
IV	MB4411	2.4	2.8	2.4	3	3	1.8	2.6	1.8	3	2	2.6	2.8	2.629
IV	MB4412	3	2.2	2.2	3	2.2	2	2	2	2	2	2.6	2.8	2.408
IV	MB4413	3	3	1.8	2.8	3	2.2	2.4	3	3	3	2.8	2.8	2.775
IV	MB4414	3	2.2	2	6.2	3	2	1.8	3	3	2.2	2.8	2.8	2.254
IV	MB4415	3	3	3	3	3	1.8	2.6	3	3	3	3	2.8	2.542
IV	MB4416	3	2	1.4	2	1.2	3	2.4	2.4	1.6	2.8	2.8	2.6	2.591
IV	MB4417	3	1	3	1	2	1.8	0.8	1.8	1.2	2	2.8	2.6	2.665
IV	MB4418	3	3	3	2	1.2	2	2	3	0.8	3	2.8	2.6	2.715
IV	MB4419	2.8	3	3	1.6	1.2	0.6	3	2.6	0.4	3	2.8	2.8	2.697
IV	MB4420	2.8	3	2.8	0.8	1.2	2.6	2.2	1.8	1	3	2.4	2.8	2.676
IV	MB4421	3	2.2	2.6	3	3	1.6	3	3	2.8	1.4	2.8	2.8	2.772
IV	MB4422	1.8	2.6	2.8	3	1.2	2.4	3	3	1.8	0	3	2.6	2.666
IV	MB4423	2	2.6	2.4	3	0.8	2.6	2.6	2.8	1.8	3	2.6	2.6	2.524
IV	MB4424	1.8	1.6	1.4	2	1.6	2	2	2.2	1.8	1.4	2.8	2.6	2.474
IV	MB4425	3	2.8	2.6	1.8	2.2	2.6	2.8	2.4	2.6	3	3	2.6	2.491
IV	MB4426	2.4	2.4	1.4	2	1.6	2	2	2.2	1.8	1.4	2.8	2.8	2.490



(Signature)
Registrar
Quantum University

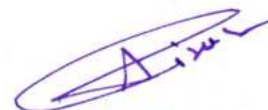
IV	MB4427	2.8	1.4	1.8	2	2.2	2	2.6	1.8	1.6	1.2	2.8	2.8	2.563
IV	MB4470	2.6	1.8	2.2	2.6	2.6	2	2.4	2.6	2.4	2.4	2.2	2.4	2.657

Direct Attainment on the basis of Mapping/ Weightage of PO-PSOs

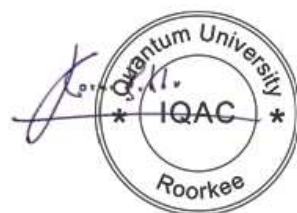
Table-10
PO/PSO Attainment Calculation for Batch 2021-23

Semester	Courses	PO1	PO2	PO3	PO4	PO5	P06	PO7	P08	PO9	PO10	PSO1	PSO2
I	MB4101	1.84	1.65	1.65	1.47	2.76	2.76	1.84	2.76	1.84	1.84	2.20	2.20
I	MB4102	2.28	1.37	1.83	1.37	1.83	1.52	1.52	1.52	1.98	1.67	1.98	2.13
I	MB4103	2.05	2.05	2.19	2.19	1.46	2.05	1.90	1.61	1.32	1.75	1.61	2.05
I	MB4104	1.56	1.28	1.14	1.56	1.14	1.28	1.14	1.14	1.14	1.14	1.85	1.85
I	MB4105	2.41	2.07	2.24	1.89	0.86	1.55	1.72	2.24	0.69	1.72	2.41	2.24
I	MB4106	1.69	1.54	1.84	1.07	0.00	0.77	1.54	1.84	0.46	1.69	2.00	2.00
I	MB4107	2.45	2.10	2.10	1.57	0.70	1.57	1.40	1.40	0.70	2.27	2.27	2.27
I	MB4108	2.60	2.60	2.60	2.08	2.60	0.69	2.08	0.87	1.21	2.60	2.25	2.25
I	MB4109	1.67	1.33	2.00	1.50	2.50	2.17	1.50	1.17	2.50	2.17	2.17	2.17
II	MB4201	2.72	2.72	2.54	2.72	2.72	2.72	2.72	2.72	0.18	1.99	2.54	2.36
II	MB4202	2.37	2.19	2.01	2.37	2.19	1.83	1.46	1.46	1.64	2.19	2.74	2.37
II	MB4203	2.13	1.95	1.78	2.13	1.95	1.78	2.13	2.13	1.78	1.95	1.95	2.13
II	MB4204	1.99	1.99	1.81	2.17	1.81	2.17	2.17	1.99	2.17	1.81	2.53	2.35
II	MB4205	2.70	2.70	2.70	2.34	1.44	2.70	2.70	2.70	0.72	2.70	2.34	2.52
II	MB4206	1.61	2.32	2.68	0.71	0.36	1.43	2.32	1.43	0.71	2.14	2.50	2.14
II	MB4207	2.77	2.40	2.59	1.66	0.92	2.77	2.77	1.66	1.11	2.77	2.22	2.59
II	MB4208	1.24	2.67	2.49	2.67	1.24	1.24	2.31	2.13	0.53	1.78	2.49	1.78



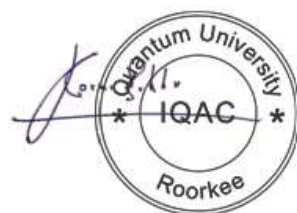

 Registrar
 Quantum University

II	MB4209	2.85	1.71	1.90	2.47	2.85	2.85	2.47	2.85	2.28	2.85	2.47	2.66
III	MB4301	2.61	2.05	2.24	2.24	2.42	2.61	2.24	2.05	1.68	2.42	2.61	2.61
III	MB4302	2.77	1.66	1.66	2.77	1.66	2.77	2.77	1.48	1.66	2.77	2.22	2.40
III	MB4303	2.39	2.39	2.03	1.66	1.84	1.84	2.03	2.03	2.03	1.66	2.39	2.39
III	MB4304	2.51	2.51	2.35	1.34	1.17	1.51	2.51	2.18	0.34	2.51	2.18	2.35
III	MB4305	2.30	1.77	2.13	2.13	1.95	1.77	1.77	1.95	1.95	2.30	2.48	2.13
III	MB4306	2.47	1.71	2.09	2.28	1.52	2.85	2.66	1.33	1.14	2.85	2.47	2.66
III	MB4307	2.63	2.63	2.28	1.93	0.88	2.63	2.63	1.93	1.40	2.63	2.10	2.28
III	MB4308	2.25	2.09	2.09	1.93	0.64	2.25	2.41	1.44	1.28	2.25	2.25	2.25
III	MB4309	2.41	1.30	1.48	2.22	1.48	2.78	2.41	1.30	1.48	2.41	2.59	2.41
III	MB4310	2.10	1.50	1.95	1.65	0.45	1.35	0.90	1.80	1.05	1.35	2.25	1.95
III	MB4311	2.20	2.20	1.53	2.54	1.36	2.37	1.53	1.53	1.53	1.53	2.20	2.37
III	MB4312	1.55	2.25	1.55	1.73	1.90	1.55	1.73	2.25	1.38	1.90	2.42	2.25
III	MB4313	2.49	1.95	2.13	1.78	1.78	1.24	2.67	2.67	2.67	2.13	2.31	2.31
III	MB4314	2.53	1.99	2.35	2.17	2.72	2.17	2.17	2.72	2.72	1.27	2.35	2.35
III	MB4315	2.70	2.34	2.70	2.16	2.70	1.26	2.70	2.70	2.70	2.70	2.34	2.52
III	MB4316	2.68	2.68	2.68	2.14	2.68	1.96	1.43	2.68	2.68	2.68	2.50	2.50
III	MB4317	2.40	1.66	2.40	1.11	2.77	1.48	2.77	2.40	2.40	2.77	2.40	2.59
III	MB4318	2.49	0.71	1.07	2.67	0.71	2.67	2.67	1.42	1.60	1.78	2.31	2.49
III	MB4319	2.52	2.36	1.68	1.01	2.36	2.52	2.36	2.52	2.52	2.52	2.19	2.02
III	MB4320	1.65	1.32	2.14	2.47	1.81	2.47	2.47	1.48	1.48	1.98	2.31	2.14
III	MB4321	1.99	1.66	2.33	1.99	1.16	1.33	2.16	1.49	1.49	2.49	2.16	2.33
III	MB4322	2.32	2.16	2.16	2.32	1.83	2.49	2.49	1.33	1.49	2.49	2.32	2.16
III	MB4323	2.22	2.05	2.39	1.54	1.88	2.22	2.56	1.37	2.05	2.56	2.39	2.22
III	MB4324	1.60	2.31	2.14	2.67	1.42	1.78	2.67	1.78	1.60	2.67	2.49	2.67
III	MB4325	1.98	1.98	2.14	2.47	1.32	2.47	2.47	1.48	1.65	1.32	2.30	2.30
III	MB4326	1.21	2.25	1.21	2.59	1.56	2.59	2.59	1.56	1.56	2.59	2.42	2.42
III	MB4327	1.25	1.67	1.11	2.09	1.53	1.67	2.09	0.97	1.25	2.09	1.67	1.81



Registrar
Quantum University

III	MB4328	2.67	2.13	2.31	2.67	1.95	2.67	2.67	1.42	1.42	2.31	2.31	2.49
III	MB4329	1.99	2.17	1.81	2.35	1.81	1.45	1.45	1.63	1.63	1.45	2.35	2.35
III	MB4330	2.16	2.16	1.62	2.34	1.98	1.80	1.44	1.44	1.62	1.44	2.34	2.52
III	MB4370	1.96	1.61	1.96	2.32	2.32	1.78	2.14	2.32	2.14	2.14	2.32	2.32
IV	MB4401	2.66	2.48	2.66	2.30	1.95	2.66	2.48	2.66	2.30	2.66	2.48	2.30
IV	MB4403	2.47	2.85	2.85	1.71	1.90	2.47	2.85	2.28	1.71	2.85	2.47	2.28
IV	MB4404	2.28	1.93	2.10	2.63	0.70	1.23	2.63	1.75	1.23	2.28	2.10	2.28
IV	MB4405	2.09	2.41	2.25	2.25	0.80	1.93	2.25	1.61	0.64	2.41	2.25	2.25
IV	MB4406	1.67	2.78	2.78	2.78	1.11	2.22	2.78	2.22	1.11	2.22	2.59	2.41
IV	MB4407	2.80	2.24	2.62	2.06	1.49	1.49	1.68	1.31	1.49	1.87	2.43	2.62
IV	MB4408	1.69	1.52	1.52	2.54	1.52	1.69	2.03	1.36	1.69	2.03	2.37	2.37
IV	MB4409	2.30	2.13	2.66	0.00	0.53	2.66	2.66	2.13	0.35	2.66	2.30	2.48
IV	MB4410	2.85	2.28	2.85	1.90	0.95	2.47	2.47	2.47	2.66	2.85	2.85	2.66
IV	MB4411	2.10	2.45	2.10	2.63	2.63	1.58	2.28	1.58	2.63	1.75	2.28	2.45
IV	MB4412	2.41	1.77	1.77	2.41	1.77	1.61	1.61	1.61	1.61	1.61	2.09	2.25
IV	MB4413	2.78	2.78	1.67	2.59	2.78	2.04	2.22	2.78	2.78	2.78	2.59	2.59
IV	MB4414	2.25	1.65	1.50	4.66	2.25	1.50	1.35	2.25	2.25	1.65	2.10	2.10
IV	MB4415	2.54	2.54	2.54	2.54	2.54	1.53	2.20	2.54	2.54	2.54	2.54	2.37
IV	MB4416	2.59	1.73	1.21	1.73	1.04	2.59	2.07	2.07	1.38	2.42	2.42	2.25
IV	MB4417	2.67	0.89	2.67	0.89	1.78	1.60	0.71	1.60	1.07	1.78	2.49	2.31
IV	MB4418	2.72	2.72	2.72	1.81	1.09	1.81	1.81	2.72	0.72	2.72	2.53	2.35
IV	MB4419	2.52	2.70	2.70	1.44	1.08	0.54	2.70	2.34	0.36	2.70	2.52	2.52
IV	MB4420	2.50	2.68	2.50	0.71	1.07	2.32	1.96	1.61	0.89	2.68	2.14	2.50
IV	MB4421	2.77	2.03	2.40	2.77	2.77	1.48	2.77	2.77	2.59	1.29	2.59	2.59
IV	MB4422	1.60	2.31	2.49	2.67	1.07	2.13	2.67	2.67	1.60	0.00	2.67	2.31
IV	MB4423	1.68	2.19	2.02	2.52	0.67	2.19	2.19	2.36	1.51	2.52	2.19	2.19
IV	MB4424	1.48	1.32	1.15	1.65	1.32	1.65	1.65	1.81	1.48	1.15	2.31	2.14
IV	MB4425	2.49	2.33	2.16	1.49	1.83	2.16	2.33	1.99	2.16	2.49	2.49	2.16




Registrar
Quantum University

IV	MB4426	1.99	1.99	1.16	1.66	1.33	1.66	1.66	1.83	1.49	1.16	2.32	2.32
IV	MB4427	2.39	1.20	1.54	1.71	1.88	1.71	2.22	1.54	1.37	1.03	2.39	2.39
IV	MB4470	2.30	1.59	1.95	2.30	2.30	1.77	2.13	2.30	2.13	2.13	1.95	2.13
	Average	2.25	2.06	2.09	2.06	1.63	1.95	2.16	1.92	1.57	2.13	2.33	2.32

Indirect Attainment on the basis of Mapping done by Alumni of Masters of Business Administration

Table-11
Identification of Mapping between Alumni's Feedback and Program Outcome

(Frequency distribution assigned by 19 Alumni)

	Mapping by Alumni for PO1				Mapping by Alumni for PO2				Mapping by Alumni for PO3				Mapping by Alumni for PO4				Mapping by Alumni for PO5				Mapping by Alumni for PO6				Mapping by Alumni for PO7				Mapping by Alumni for PO8				Mapping by Alumni for PO9				Mapping by Alumni for PO10			
	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3
AFO C01	0	1	2	1 6	0	1	1	1 7	1	2	0	1 6	0	2	1 0	7	0	4	1 0	5	1	2	2	1 4	0	4	0	1 5	0	1	2	1 6	0	2	3	1 4	1	5	5	8



Registrar
 Quantum University

AFO C02	0	3	2	1 4	0	2	4	1 3	0	3	1	1 5	0	3	1 2	4	1	5	8	5	0	1	3	1 5	0	2	1	1 6	0	1 2	5	2	0	1 0	4	5	0	2	1 5	2
AFO C03	0	2	2	1 5	0	2	1 0	7	1	2	1 0	6	1	2	1 0	6	1	8	7	3	2	5	9	3	0	1	2	1 6	0	5	1 2	2	1	8	8	2	1	3	1 0	5
AFO C04	1	1	4	1 3	1	1 0	2	6	1	0	0	1 8	1	0	9	9	1	5	1 2	1	0	4	9	6	1	5	1 0	3	0	1	4	1 4	1	2	2	1 4	0	4	1 2	3
AFO C05	0	8	5	6	0	5	1 0	4	0	0	5	1 4	0	0	2	1 7	0	6	6	7	0	1 0	5	4	1	2	2	1 4	0	3	1 2	4	0	6	8	5	0	5	4	1 0
AFO C06	1	7	7	4	1	4	1 2	2	0	5	1	1 3	0	5	4	1 0	0	4	1 2	3	1	1 1	4	3	1	3	2	1 3	0	2	1 0	7	1	5	8	5	0	2	1 0	7
AFO C07	0	1	8	1 0	2	2	4	1 1	0	2	2	1 5	0	1	1 1	7	0	3	1 1	5	0	0	1 1	8	0	2	1	1 6	2	8	8	1	0	2	2	1 5	0	1	8	1 0
AFO C08	0	2	5	1 2	1	2	2	1 4	0	6	1 0	3	0	2	4	1 3	1	2	1 4	2	0	2	1 6	1	0	0	2	1 7	1	6	9	3	1	4	8	6	0	2	3	1 4
AFO C09	1	1	4	1 3	2	1 0	5	2	1	8	8	2	0	1	3	1 5	0	1	9	9	0	4	3	1 2	0	4	1 2	3	1	4	6	8	0	4	5	1 0	1	4	7	7

- 0- Not Mapped
- 1- Slighted Mapped
- 2-Moderately Mapped
- 3- Highly Mapped



(Signature)
Registrar
Quantum University

**Indirect Attainment on the basis of Observed Weight age in Program Outcome assigned by
Alumni of Masters of Business Administration**

Table-11-A

PO/AFOC Attainment Calculation for Batch 2021-23

Observed Weightage in Program Outcomes											Indirect Attainment	
Alumni Feedback of Curricul um	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Average Value of feedback (2022- 23)	Attainme nt
AFOC01	2.79	2.84	2.63	2.26	2.05	2.53	2.58	2.79	2.63	2.05	2.4	2
AFOC02	2.58	2.58	2.63	2.05	1.89	2.74	2.74	1.47	1.74	2.00	2.6	2
AFOC03	2.68	2.26	2.11	2.11	1.63	1.68	2.79	1.84	1.58	2.00	2.4	2
AFOC04	2.53	1.68	2.84	2.37	1.68	2.11	1.79	2.68	2.53	1.95	2.3	2
AFOC05	1.89	1.95	2.74	2.89	2.05	1.68	2.53	2.05	1.95	2.26	2.4	2
AFOC06	1.74	1.79	2.42	2.26	1.95	1.47	2.42	2.26	1.89	2.26	2.5	2
AFOC07	2.47	2.26	2.68	2.32	2.11	2.42	2.74	1.42	2.68	2.47	2.5	2
AFOC08	2.53	2.53	1.84	2.58	1.89	1.95	2.89	1.74	2.00	2.63	2.2	2
AFOC09	2.53	1.37	1.58	2.74	2.42	2.42	1.95	2.11	2.32	2.05	2.5	2
Average	2.42	2.14	2.39	2.40	1.96	2.11	2.49	2.04	2.15	2.19		



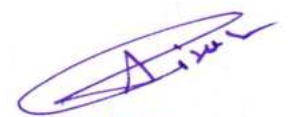

 Registrar
 Quantum University

Table-12
PO/AFOC Attainment Calculation for Batch 2021-23

Feedback Weighted Mapping of Program Outcome towards Indirect Attainment

Alumni Feedback of Curriculum	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
AFOC01	1.860	1.895	1.754	1.509	1.368	1.684	1.719	1.860	1.754	1.368
AFOC02	1.719	1.719	1.754	1.368	1.263	1.825	1.825	0.982	1.158	1.333
AFOC03	1.789	1.509	1.404	1.404	1.088	1.123	1.860	1.228	1.053	1.333
AFOC04	1.684	1.123	1.895	1.579	1.123	1.404	1.193	1.789	1.684	1.298
AFOC05	1.263	1.298	1.825	1.930	1.368	1.123	1.684	1.368	1.298	1.509
AFOC06	1.158	1.193	1.614	1.509	1.298	0.982	1.614	1.509	1.263	1.509
AFOC07	1.649	1.509	1.789	1.544	1.404	1.614	1.825	0.947	1.789	1.649
AFOC08	1.684	1.684	1.228	1.719	1.263	1.298	1.930	1.158	1.333	1.754
AFOC09	1.684	0.912	1.053	1.825	1.614	1.614	1.298	1.404	1.544	1.368
Indirect attainment	1.610	1.427	1.591	1.598	1.310	1.407	1.661	1.361	1.431	1.458



Indirect Attainment on the basis of Mapping done by Alumni of Masters of Business Administration

Table-13
Identification of Mapping between Employer's Feedback and Program Outcome

(Frequency distribution assigned by 15 Employers)

	PO1				PO2				PO3				PO4				PO5				PO6				PO7				PO8				PO9				PO10							
	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3				
EFO C01	1	2	1	1	1	0	0	1	4	0	3	0	1	2	1	0	2	0	4	2	9	1	4	1	0	0	3	1	2	0	0	1	0	0	5	0	4	8	3	1	5	5	4	
EFO C02	0	1	2	1	2	4	8	0	4	5	6	1	2	1	1	1	8	5	1	0	1	4	1	0	0	2	2	1	1	0	4	5	6	0	8	4	3	2	6	6	1			
EFO C03	0	3	1	1	0	4	1	1	0	0	2	3	1	0	1	1	2	1	1	3	0	1	1	3	2	9	0	7	7	1	0	2	3	1	0	1	2	1	0	2	1	4	2	8
EFO C04	0	2	1	1	1	4	2	8	1	1	5	8	0	2	2	1	1	0	2	5	8	1	2	5	7	0	5	5	5	1	1	5	8	2	2	1	0	1	1	2	2	1	0	
EFO C05	1	1	2	1	0	5	1	0	0	6	4	5	0	1	0	2	3	0	3	3	9	0	2	4	9	1	6	8	0	0	6	4	5	0	3	1	0	2	2	0	2	1	1	



(Signature)
Registrar
Quantum University

EFO C06	1	1	3	1 0	1	1	2	1 1	0	3	2	1 0	0	1	1	1 3	1	2	3	9	1	1	4	9	1	7	0	7	0	3	2	1 0	1	0	1	1 3	0	2	2	1 1
EFO C07	0	1	4	1 0	0	2	3	1 0	1	2	1 0	2	0	2	1	1 2	0	2	3	1 0	0	2	4	9	0	5	5	5	1	2	1 0	2	2	1	1	1 1	2	1	1	1 1
EFO C08	0	3	1 0	2	0	5	6	4	0	2	2	1 1	0	0	5	1 0	0	4	4	7	1	5	9	0	0	5	1	9	0	2	2	1 1	1	8	3	3	1	0	8	6
EFO C09	0	1	4	1 0	0	5	6	4	1	5	8	1	1	2	5	7	0	8	5	2	0	3	6	6	0	7	4	4	1	5	8	1	0	5	4	6	1	4	5	5



(Signature)
Registrar
Quantum University

**Indirect Attainment on the basis of Observed Weightage in Program Outcome assigned by
Employers of Masters of Business Administration**

**Table-13 A
PO/EFOC Attainment Calculation for Batch 2021-23**

Observed Weightage in Program Outcomes

Employers Feedback of Curriculum	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Average Value of feedback (2022- 23)	Indirect Attainment
EFOC01	2.47	2.80	2.60	1.87	2.33	1.60	1.80	1.67	1.93	1.80	2.5	2
EFOC02	2.73	2.27	2.13	1.80	1.40	2.60	2.60	2.13	1.67	1.40	2.5	2
EFOC03	2.53	2.40	2.53	2.53	2.40	2.27	1.60	2.53	1.87	2.13	2.4	2
EFOC04	2.67	2.13	2.33	2.60	2.40	2.20	2.00	2.33	1.67	2.40	2.5	2
EFOC05	2.53	1.67	1.93	1.53	2.40	2.47	1.47	1.93	1.93	2.47	2.5	2
EFOC06	2.47	2.53	2.47	2.80	2.33	2.40	1.87	2.47	2.73	2.60	2.6	2
EFOC07	2.60	2.53	1.87	2.67	2.53	2.47	2.00	1.87	2.40	2.40	2.5	2
EFOC08	1.93	1.93	2.60	2.67	2.20	1.53	2.27	2.60	1.53	2.27	2.5	2
EFOC09	2.60	1.93	1.60	2.20	1.60	2.20	1.80	1.60	2.07	1.93	2.9	2
Average	2.50	2.24	2.23	2.30	2.18	2.19	1.93	2.13	1.98	2.16		



Registrar
Quantum University

Table-14
PO/EFOC Attainment Calculation for Batch 2021-23

Feedback Weighted Mapping of Program Outcome towards Indirect Attainment

Attainment table										
Employers Feedback of Curriculum	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
EFOC01	1.644	1.867	1.733	1.244	1.556	1.067	1.200	1.111	1.289	1.200
EFOC02	1.822	1.511	1.422	1.200	0.933	1.733	1.733	1.422	1.111	0.933
EFOC03	1.689	1.600	1.689	1.689	1.600	1.511	1.067	1.689	1.244	1.422
EFOC04	1.778	1.422	1.556	1.733	1.600	1.467	1.333	1.556	1.111	1.600
EFOC05	1.689	1.111	1.289	1.022	1.600	1.644	0.978	1.289	1.289	1.644
EFOC06	1.644	1.689	1.644	1.867	1.556	1.600	1.244	1.644	1.822	1.733
EFOC07	1.733	1.689	1.244	1.778	1.689	1.644	1.333	1.244	1.600	1.600
EFOC08	1.289	1.289	1.733	1.778	1.467	1.022	1.511	1.733	1.022	1.511
EFOC09	1.733	1.289	1.067	1.467	1.067	1.467	1.200	1.067	1.378	1.289
Indirect attainment	1.669	1.496	1.486	1.531	1.452	1.462	1.289	1.417	1.319	1.437



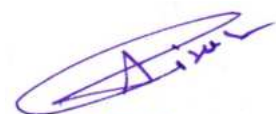
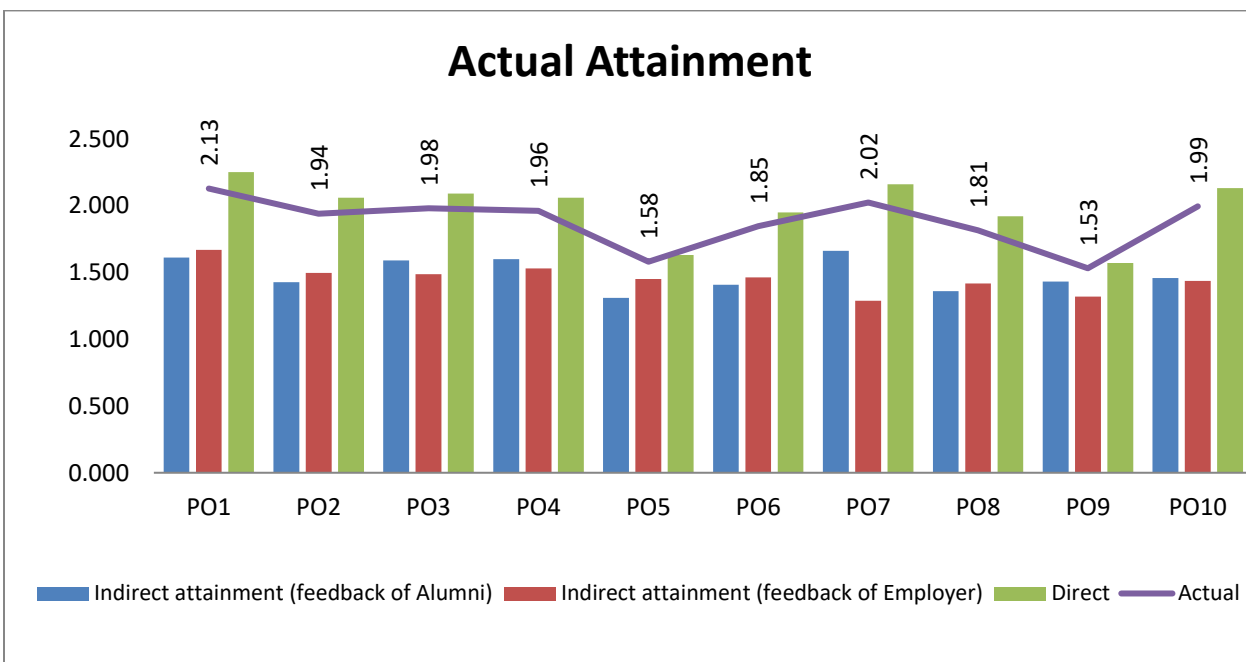

 Registrar
 Quantum University

Table-15

Actual Attainment based on Direct and Indirect Attainment for Batch 2021—23

Program Outcome	Indirect attainment based on feedback of Alumni (A)	Indirect attainment based on feedback of Employer (B)	Direct (C)	Actual =0.10A+0.10B+0.80C
PO1	1.610	1.669	2.25	2.128
PO2	1.427	1.496	2.06	1.940
PO3	1.591	1.486	2.09	1.980
PO4	1.598	1.531	2.06	1.961
PO5	1.310	1.452	1.63	1.580
PO6	1.407	1.462	1.95	1.847
PO7	1.661	1.289	2.16	2.023
PO8	1.361	1.417	1.92	1.814
PO9	1.431	1.319	1.57	1.531
PO10	1.458	1.437	2.13	1.994



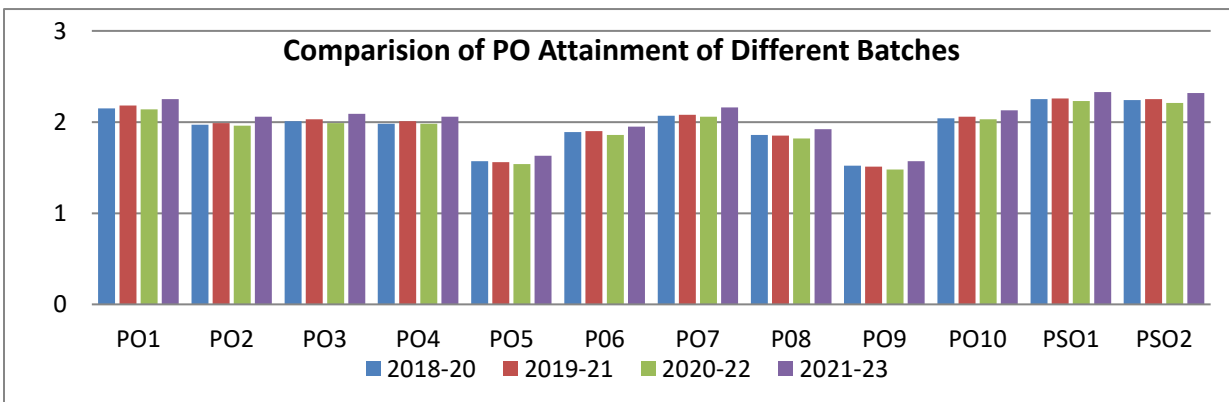

 Registrar
 Quantum University



Table-16
Direct Attainment Comparison of Previous Batches

Batch	2018-20	2019-21	2020-22	2021-23
PO1	2.15	2.18 (1.40)	2.14 (-1.83)	2.25 (5.14)
PO2	1.97	1.99 (1.02)	1.96 (-1.51)	2.06 (5.10)
PO3	2.01	2.03 (1.00)	1.99 (-1.97)	2.09 (5.03)
PO4	1.98	2.01 (1.52)	1.98 (-1.49)	2.06 (4.04)
PO5	1.57	1.56 (-0.64)	1.54 (-1.28)	1.63 (5.84)
PO6	1.89	1.9 (0.53)	1.86 (-2.11)	1.95 (4.84)
PO7	2.07	2.08 (0.48)	2.06 (-0.96)	2.16 (4.85)
PO8	1.86	1.85 (-0.54)	1.82 (-1.62)	1.92 (5.49)
PO9	1.52	1.51 (-0.66)	1.48 (-1.99)	1.57 (6.08)
PO10	2.04	2.06 (0.98)	2.03 (-1.46)	2.13 (4.93)
PSO1	2.25	2.26 (0.44)	2.23 (-1.33)	2.33 (4.48)
PSO2	2.24	2.25 (0.45)	2.21 (-1.78)	2.32 (4.98)

(Figures in parenthesis indicate year on year change)




 Registrar
 Quantum University



Analysis and Action Taken

Based on Comparison of Course Outcome Attainments for MBA- 1st Semester (All Batches)

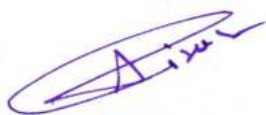
In 2020 due to the outburst of COVID-19 there was decline in the attainment level of subjects. And, another reason of the decline was increase in the threshold value. So, with the motive to improve the attainments in the subsequent year the Sub-Specialty group recommended the following measures.

Subject Code	Measures to be incorporated into the curriculum design
MB4103 (35% decline in 2020-22)	Since all the subjects are from HR discipline so common strategies have been framed: • Experiential Learning Measures were being introduced by the respective faculty in their respective Subjects. • Assignments for Fast and slow learners that is based on project, Case- studies &, Flip classes. • Faculties were encouraged to use ICT techniques like Microsoft Teams and Google Classroom for imparting Knowledge. • Special Guest lectures on Gender equality and on general issues are required to sensitize students. • Team building activities, domain specific quizzes Case Studies and Class presentations were initiated for the students. • Subject specific study material, hand notes and e- learning resources were made compulsory for the students. •
MB4104 (25% decline in 2020-22)	
MB4109 (32% decline in 2020-22)	


 Registrar
 Quantum University



MB4108 (Business Economics) (24% decline in 2020-22)	• Budget Conclave was organized in university and students were encouraged to participate in the event and present the economic scenario on various aspects. • Research projects related to economic issues has been assigned to all the students for better understanding of the subject. • Faculties were recommended to share video lectures and hand notes on the subjects.
MB4106 (Business Statistics) (7% decline in 2021-23)	• Extra classes have been scheduled for weak students. • Tutorial classes for addressing the numerical related problems have been conducted for all students • Field projects/ mega projects/ assignment 2 were made compulsory for all students to teach them basic application of statistical tools. • Students were recommended to attend the classes of SPSS and excel. • Students were encouraged to join Value Added Courses on Microsoft Excel.

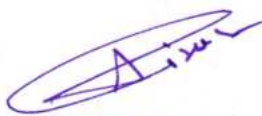

 Registrar
 Quantum University



MBA- 2ndSemester (All Batches)

Considering ongoing pandemic (IInd wave outburst) there was decline in the attainment level of the below mentioned subjects.

Subject Code	Measures to be incorporated into the curriculum design
MB4205 (Financial Management) (13% decline in 2020-22)	• Experiential Learning Measures were being introduced by the respective faculty in their respective Subjects. • Assignments for Fast and slow learners that is based on project, • Case- studies &, Flip classes. • Faculties were encouraged to use ICT techniques like Microsoft Teams and Google Classroom for imparting Knowledge.
MB4207 (Supply Chain Management) (25% decline in 2020-22)	• Remedial classes were scheduled for the students. • Tutorial sheets as class test for ensuring learning by doing.

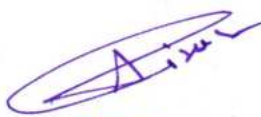

Registrar
Quantum University



MBA- 3rdSemester (All Batches)

After a gradual recovery from the Pandemic there was fall down in the attainment of the courses. The following measures have been taken to ensure good attainments in the courses which are as follows:

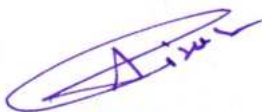
Subject Code	Measures to be incorporated into the curriculum design
MB4303 (Financial Markets and Institutions) (27% decline in 2020-22)	• Scheduling extra classes for the subject. • Sharing Online videos related to the functions of different financial markets and institutions. • Class test to be conducted after every unit.
MB4317 (Industrial Relations and Labor Law) (26% decline in 2020-22)	• Topic based case lets to be given for clear understanding of the Laws sections and sub-sections. • Recommended videos from Indian Kanoon in Hindi language.
MB4312 (Integrated Marketing Communication) (13% decline in 2021-23)	• Scheduling Unit -wise quizzes and class presentations for clear understanding of the marketing concepts. • Marketing strategies-based activities to be conducted on regular basis.
MB4315 (Organizational Change and Intervention Strategies) (16% decline in 2021-23)	• Scheduling activities related to organizational development models and transaction analysis etc. • Class tests on regular basis. • Visits to the nearby companies for having clarity of strategies adopted by them for coping with the change.


Registrar
Quantum University



MBA- 4thSemester (All Batches)

Subject Code	Measures to be incorporated into the curriculum design
MB4401 (Strategic Management) (21% decline in 2020-22)	• Remedial classes for the slow learners. • Distribution of the model test questions. • Sharing NPTEL Videos for the subject.
MB4409 (Rural Marketing) (17% decline in 2021-23)	• Class presentations for brushing up of the rural strategies. • Short field projects based on rural marketing practices.
MB4414 (Training and Development) (12% decline in 2021-23)	• Industrial visit for providing exposure to the students related to on-job and off-job training. • Class test on regular basis.

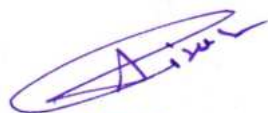

 Registrar
 Quantum University



Analysis and Action Taken

Based on Comparison of Program Outcome Attainments for MBA (All Batches)

PO	Remedial Actions Taken to be incorporated into the curriculum design
PO-1	Inclusion of Case Studies/Caselets, Value Added Courses, MOOC and Multidisciplinary Projects as regular part of curriculum
PO-2	Application of problem-solving approaches, dynamic coverage of subjective contents, Passion programs and participation in Inter and intra university events
PO-3	Involvement in Startup and Incubation Cell, Event Management related activities, Peer-tutoring etc.
PO-4	Compulsory Internships, Domain specific and General content-based Guest lectures and webinars, Alumni talks, Industrial Visits, Organization and participation in internal and external National and international Conferences
PO-5	Class representation, learning event management via participation in university events like Dharohar, Abhivyakti, etc.
PO-6	Active participation in Startup and Incubation Cell and Competitions on Business plan presentation, practicing role plays etc.
PO-7	Revision in Syllabus based on feedback of faculty and students and recommendations of industry experts, and alumni, inclusion of online and offline Value-added certification programs
PO-8	Regular industry academia interface,
PO-9	Participative learning by means of Outreach activities, Pahal and NSS Camps.
PO-10	Experiential Learning through Internships and Handling industry specific projects.


 Registrar
 Quantum University

