

Average PSO Computation	0.5517822805	0.5217879579	0.6077268248	0.6584898154	0.6063451007	0.4693078446	0.5979146278
-------------------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

XII Setting target for each PSO

PSO	Target
PSO1	55
PSO2	60
PSO3	62
PSO4	55
PSO5	50
PSO6	65
PSO7	60

XIII Compute overall direct attainment of PSO's for all semesters - taken as average of each PSO for entire 4 semesters

PSO	Direct PSO Attainment
PSO1	53.44
PSO2	83.50
PSO3	63.81
PSO4	61.95
PSO5	24.16
PSO6	59.00
PSO7	59.37

XIV Compute Indirect attainment of PSO via Programme exit survey

PSO	Indirect PSO Attainment
PSO1	70
PSO2	70
PSO3	60
PSO4	80
PSO5	70
PSO6	60
PSO7	65

XV Compute overall attainment of each PSO by combining direct and indirect attainment in the ratio 90:10

PSO	Direct PSO Attainment	Indirect PSO Attainment	Overall PSO Attainment
PSO1	53.44	70	55.09
PSO2	83.50	70	82.15
PSO3	63.81	60	63.43
PSO4	61.95	80	63.76
PSO5	24.16	70	28.75
PSO6	59.00	60	59.10
PSO7	59.37	65	59.93

XVI Compute PSO attainment gap and action taken

PSO	Direct PSO Attainment	Indirect PSO Attainment	Overall PSO Attainment	Target	Gap	Action Taken
PSO1	53.44	70	55.09	55	-0.09	Enhancement of target to 60%
PSO2	83.50	70	82.15	60	-22.15	Enhancement of target to 70%
PSO3	63.81	60	63.43	62	-1.43	Enhancement of target to 65%
PSO4	61.95	80	63.76	55	-8.76	Enhancement of target to 64%
PSO5	24.16	70	28.75	50	21.25	Introduce on job training/soft skill development programmes from second semester onwards
PSO6	59.00	60	59.10	65	5.90	Arrange more number of industry visits/internship programmes from third semester onwards
PSO7	59.37	65	59.93	60	0.07	1. Organize interactive sessions with industry experts. 2. encourage students to Enroll in online courses specifically focused on data analysis using Python and R 3. Learn about big data processing frameworks such as Hadoop and Spark

XVII PSO to PO mapping strength matrix and contribution to PO for a particular programme

Strength of PSO TO PO Mapping Sample

A simple method is to relate the level of PO with the number of hours devoted to the PSOs(Computed as sum of hours of all COS of each PSO)

If >40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3

If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2

If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1

If < 5% of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed

PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO
PSO1	3		1	0	0	2	1	0	3	0	0.55

PSO2	0	3	0	2	0	1	0	0	0	0	0.82
PSO3	0	0	0	0	1	0	0	3	0	1	0.63
PSO4	0	2	0	0	0	0	2	0	0	0	0.64
PSO5	1	0	0	0	3	0	0	0	0	1	0.29
PSO6	0	0	3	0	0	0	0	1	2	0	0.59
PSO7	0	0	1	3	0	0	3	0	0	0	0.60
Computation of PO	0.4850580163	0.7479397918	0.5509193563	0.821509551	0.3741835404	0.6411160878	0.6086965542	0.634312172	0.5509193563	0.4608930843	
PO TO UNIVERSITY IQAC	48.50580163	74.79397918	55.09193563	82.1509551	37.41835404	64.11160878	60.86965542	63.4312172	55.09193563	46.08930843	