

Shri G.S. Institute of Technology & Science, Indore, Department of Mechanical Engineering
CO_PO Attainment Analysis

Target Attainment 2022-23

SUBJECT		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	AVERAGE
FM	Target	3	2	2	2	1	-	-	-	-	-	-	-	-	-	1.80
SOM	Target	3	2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
M-III	Target	3	3	2	1	-	-	-	-	1	-	-	3	-	-	2.17
MS	Target	3	1	2	2	-	-	-	-	-	-	-	-	1	1	1.65
THERMO	Target	3	3	2	2	-	-	1	-	-	-	-	-	3	2	2.17
HU	Target	1	1	2	1	1	2	2	3	1	1	-	2	1	1	1.48
M-IV	Target	3	3	2	1	-	-	-	-	1	-	-	3	-	-	2.17
MD-1	Target	3	2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
KOM	Target	3	2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
B. Electro.	Target	3	2	2	2	2	-	-	-	-	-	-	1	-	2	2.05
MP-1	Target	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2.20
Eco Engg	Target	2	2	3	0	2	2	2	1	2	2	3	1	1	2	1.69
DOM	Target	3	2	2	1	-	-	-	-	-	-	-	-	-	-	1.90
MAC	Target	3	3	3	1	-	-	-	-	-	-	-	1	1	1	1.85
HMT	Target	3	3	3	3	3	1	2	-	-	-	-	-	3	3	2.58
SGP	Target	3	3	2	-	-	-	-	-	-	-	-	3	3	1	2.50
MP-2	Target	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2.20
RAC	Target	3	3	2	2	-	-	1	-	-	-	-	-	3	1	2.14
MD-II	Target	3	3	3	3	1	-	2	-	-	-	-	2	3	1	2.36
Fluid Mach	Target	3	2	2	3	2	-	-	-	2	-	-	1	-	-	2.07
ICE	Target	3	3	3	3	1	-	2	-	-	-	-	2	3	1	2.36
IEPM	Target	3	2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
IT&INTE.	Target	3	3	3	3	3	2	2	3	3	3	2	2	3	2	2.62
AE	Target	3	3	2	-	-	-	-	-	-	-	-	1	2	1	1.89
VNC	Target	3	3	2	2	1	3	2	-	-	-	-	1	2	2	2.10
CAD	Target	3	2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
Mechatro	Target	2	2	2	2	2	-	-	-	-	-	-	1	2	2	1.93
AMD	Target	3	2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
OR	Target	2	3	-	1	1	-	-	-	1	1	2	2	2	1	1.50
DS	Target	3	2	2	2	1	-	-	-	-	-	-	1	1	1	1.61
HPC	Target	3	2	2	2	1	-	-	-	-	-	-	-	-	-	1.80
MAJOR-1	Target	3	3	2	2	3	-	-	-	2	3	2	1	2	2	2.08
IT&INTE.	Target	3	3	3	3	3	2	2	3	3	3	2	2	3	2	2.62
RES	Target	3	1	2	2	2	2	2	-	-	-	-	-	3	1	1.89
DTS	Target	3	3	2	2	1	2	1	-	-	-	-	-	3	2	2.00
3DP	Target	3	2	2	-	3	-	1	-	-	-	-	1	3	2	2.20
IT&INTE.	Target	3	3	3	3	3	2	2	3	3	3	2	2	3	2	2.62
MAJOR-2	Target	3	3	2	2	3	-	-	-	2	3	1	1	2	2	2.06
TARGET AVERAGE		2.83	2.37	2.17	1.95	1.84	2.00	1.57	2.37	1.92	2.32	1.86	1.51	2.50	1.55	

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Direct Attainment 2022-23

SUBJECT		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	AVERAGE
FM	Direct	1.05	0.55	0.55	0.62	0.31	–	–	–	–	–	–	–	–	–	0.62
SOM	Direct	1.08	0.79	0.72	–	–	–	–	–	–	–	–	0.36	1.08	0.36	0.73
M-III	Direct	1.49	1.49	0.99	0.50	–	–	–	–	0.50	–	–	1.49	–	–	1.08
MS	Direct	1.46	0.49	1.15	0.00	–	–	–	–	–	–	–	–	0.79	0.49	0.73
THERMO	Direct	0.89	0.98	0.65	0.47	–	–	0.23	–	–	–	–	–	0.98	0.51	0.67
HU	Direct	0.80	0.80	1.60	0.80	0.80	1.76	1.60	2.08	1.00	0.96	–	1.44	0.96	0.80	1.18
M-IV	Direct	1.47	1.47	0.98	0.49	–	–	–	–	0.49	–	–	1.47	–	–	1.06
MD-1	Direct	1.28	0.87	0.85	–	–	–	–	–	–	–	–	0.43	1.28	0.43	0.86
KOM	Direct	1.64	1.19	1.09	–	–	–	–	–	–	–	–	0.55	1.64	0.55	1.11
B. Electro.	Direct	1.00	0.67	0.67	-	-	-	-	-	-	-	-	0.20	-	0.33	0.57
MP-1	Direct	1.75	1.24	1.40	1.24	1.28	1.28	1.40	1.40	1.40	0.93	1.40	1.28	1.87	1.75	1.40
Eco Engg	Direct	0.97	0.73	1.21	0.00	0.97	0.97	0.73	0.48	0.97	0.97	1.33	0.48	0.68	0.97	0.82
DOM	Direct	1.58	1.01	0.77	0.17	–	–	–	–	–	–	–	–	–	–	0.88
MAC	Direct	2.05	1.71	1.97	0.77	–	–	–	–	–	–	–	0.68	0.79	0.68	1.24
HMT	Direct	1.98	1.98	1.98	1.98	1.76	0.53	0.92	–	–	–	–	–	1.98	1.98	1.68
SGP	Direct	2.04	2.04	1.36	–	–	–	–	–	–	–	–	2.04	2.04	0.68	1.70
MP-2	Direct	1.81	1.40	1.46	1.40	1.28	1.28	0.93	1.40	1.40	1.40	–	1.28	2.10	1.81	1.46
RAC	Direct	1.40	1.26	0.93	1.03	–	0.00	0.47	–	–	–	–	–	1.40	0.47	0.87
MD-II	Direct	1.54	1.54	1.54	1.54	0.70	–	0.47	–	–	–	–	1.03	1.54	0.51	1.16
Fluid Mach	Direct	2.46	1.84	1.84	2.11	–	–	–	–	–	–	–	–	–	–	2.06
ICE	Direct	2.10	2.10	2.10	2.10	0.88	–	1.40	–	–	–	–	1.40	2.10	0.70	1.65
IEPM	Direct	1.68	1.26	1.12	–	–	–	–	–	–	–	–	0.56	1.68	0.56	1.14
IT&INTE.	Direct	3.00	3.00	3.00	3.00	3.00	2.00	1.50	3.00	3.00	3.00	2.00	2.00	3.00	2.20	2.62
AE	Direct	2.82	2.82	1.67	–	–	–	–	–	–	–	–	0.94	1.00	1.14	1.73
VNC	Direct	1.34	1.34	0.89	1.80	0.80	2.10	1.60	–	–	–	–	0.45	0.89	0.89	1.21
CAD	Direct	2.40	1.80	1.60	–	–	–	–	–	–	–	–	0.80	2.40	0.80	1.63
Mechatro	Direct	1.41	1.38	1.54	1.40	1.27	–	–	–	–	–	–	0.96	1.73	1.27	1.37
AMD	Direct	2.28	1.72	1.52	–	–	–	–	–	–	–	–	0.76	2.28	0.76	1.55
OR	Direct	1.37	2.06	–	0.69	0.69	–	–	–	0.61	0.69	1.01	1.01	1.37	0.69	1.02
DS	Direct	2.20	1.47	1.05	0.93	0.73	–	–	–	–	–	–	0.73	1.01	0.73	1.11
HPC	Direct	2.62	1.46	1.46	1.80	0.90	–	–	–	–	–	–	–	–	–	1.65
MAJOR-1	Direct	3.00	2.67	2.00	2.00	1.50	-	-	-	0.67	0.00	0.00	1.00	1.50	2.00	1.48
IT&INTE.	Direct	3.00	3.00	3.00	3.00	3.00	2.00	1.50	3.00	3.00	3.00	2.00	2.00	3.00	2.20	2.62
RES	Direct	2.82	1.25	1.67	2.00	1.67	1.68	1.57	–	–	–	–	–	2.82	0.94	1.82
DTS	Direct	2.82	2.54	1.54	1.74	0.85	1.40	0.70	–	–	–	–	–	2.82	1.88	1.81
3DP	Direct	2.82	2.02	2.28	–	–	–	–	–	–	–	–	0.94	2.82	1.88	2.13
IT&INTE.	Direct	3.00	3.00	3.00	3.00	3.00	2.00	1.50	3.00	3.00	3.00	2.00	2.00	3.00	2.20	2.62
MAJOR-2	Direct	3.00	2.67	2.00	2.00	2.50	–	–	–	2.00	3.00	1.00	1.00	1.50	2.00	2.06
DIRECT AVERAGE		1.93	1.62	1.49	1.38	1.39	1.42	1.10	2.05	1.50	1.69	1.34	1.05	1.74	1.10	

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Indirect Attainment 2022-23

SUBJECT		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	AVERAGE
FM	Indirect	1.88	1.07	1.07	1.32	0.66	–	–	–	–	–	–	–	–	–	1.20
SOM	Indirect	1.83	1.34	1.22	–	–	–	–	–	–	–	–	0.61	1.83	0.61	1.24
M-III	Indirect	2.26	2.26	1.51	0.75	–	–	–	–	0.75	–	–	2.26	–	–	1.63
MS	Indirect	1.89	0.63	0.94	1.31	–	–	–	–	–	–	–	–	0.88	0.63	1.05
THERMO	Indirect	1.39	1.60	1.16	0.83	–	–	0.52	–	–	–	–	–	1.60	0.95	1.15
HU	Indirect	0.67	0.67	1.35	0.67	0.67	1.48	1.35	1.75	0.67	0.81	–	1.21	0.81	0.54	0.97
M-IV	Indirect	2.30	2.30	1.53	0.77	–	–	–	–	0.77	–	–	2.30	–	–	1.66
MD-1	Indirect	1.80	1.32	1.20	–	–	–	–	–	–	–	–	0.60	1.80	0.60	1.22
KOM	Indirect	2.12	1.55	1.41	–	–	–	–	–	–	–	–	0.71	2.12	0.71	1.44
B. Electro.	Indirect	1.98	1.32	1.58	1.13	1.23	-	-	-	-	-	-	0.53	-	1.04	1.26
MP-1	Indirect	1.89	1.37	1.55	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	2.06	1.89	1.51
Eco Engg	Indirect	1.41	1.06	1.77	–	1.41	1.41	1.06	0.71	1.41	1.41	1.94	0.71	0.99	1.41	1.29
DOM	Indirect	2.17	1.44	1.16	0.71	–	–	–	–	–	–	–	–	–	–	1.37
MAC	Indirect	2.14	1.90	2.14	0.71	–	–	–	–	–	–	–	0.71	0.89	0.71	1.32
HMT	Indirect	2.36	2.36	2.36	2.36	2.19	0.82	1.21	–	–	–	–	–	2.36	2.36	2.04
SGP	Indirect	2.25	2.25	1.50	–	–	–	–	–	–	–	–	2.25	2.25	0.75	1.87
MP-2	Indirect	2.04	1.48	1.67	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	2.22	2.04	1.63
RAC	Indirect	2.36	2.21	1.58	1.74	–	0.00	0.81	–	–	–	–	–	2.36	0.79	1.48
MD-II	Indirect	2.21	2.21	2.21	2.21	0.91	–	1.50	–	–	–	–	1.48	2.21	0.74	1.74
Fluid Mach	Indirect	2.35	1.72	1.72	2.04	1.18	–	–	–	1.57	–	–	0.59	–	–	1.60
ICE	Indirect	2.27	2.27	2.27	2.27	0.94	–	1.52	–	–	–	–	1.51	2.27	0.76	1.79
IEPM	Indirect	2.27	1.66	1.51	–	–	–	–	–	–	–	–	0.76	2.27	0.76	1.54
IT&INTE.	Indirect	2.34	2.35	2.35	2.35	2.35	1.56	1.16	2.35	2.35	2.35	1.55	1.55	2.33	1.71	2.05
AE	Indirect	2.38	2.38	1.32	–	–	–	–	–	–	–	–	0.79	0.79	0.95	1.43
VNC	Indirect	2.30	2.30	1.53	1.53	0.75	2.20	1.50	–	–	–	–	0.77	1.53	1.53	1.60
CAD	Indirect	2.36	1.74	1.57	–	–	–	–	–	–	–	–	0.79	2.36	0.79	1.60
Mechatro	Indirect	1.49	1.49	1.73	1.47	1.47	–	–	–	–	–	–	1.05	1.79	1.47	1.49
AMD	Indirect	2.32	1.71	1.55	–	–	–	–	–	–	–	–	0.77	2.32	0.77	1.57
OR	Indirect	1.50	2.25	–	0.75	0.75	–	–	–	0.75	0.75	1.13	1.13	1.50	0.75	1.13
DS	Indirect	2.20	1.47	1.10	1.47	0.73	–	–	–	–	–	–	0.73	1.03	0.73	1.18
HPC	Indirect	2.15	1.22	1.22	1.51	0.76	–	–	–	–	–	–	–	–	–	1.37
MAJOR-1	Indirect	2.65	2.32	1.73	1.70	2.17	-	-	-	1.44	2.60	1.30	0.90	1.33	1.73	1.81
IT&INTE.	Indirect	2.50	2.50	2.50	2.50	2.50	1.68	1.28	2.50	2.55	2.55	1.67	1.67	2.53	1.85	2.20
RES	Indirect	2.06	0.87	1.17	1.40	1.14	1.20	1.13	–	–	–	–	–	2.06	0.69	1.30
DTS	Indirect	2.24	1.96	1.20	1.35	0.73	1.40	0.70	–	–	–	–	–	2.24	1.49	1.48
3DP	Indirect	2.50	1.83	2.00	–	2.50	–	0.83	–	–	–	–	0.83	2.50	1.67	1.83
IT&INTE.	Indirect	2.50	2.50	2.50	2.50	2.50	1.68	1.28	2.50	2.55	2.55	1.67	1.67	2.53	1.85	2.20
MAJOR-2	Indirect	2.60	2.33	1.73	1.77	2.20	–	–	–	1.77	2.70	0.90	0.87	1.30	1.73	1.81
INDIRECT AVERAGE		2.10	1.77	1.61	1.50	1.42	1.36	1.17	1.81	1.50	1.86	1.44	1.12	1.84	1.16	

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CO_PO Attainment Analysis

Overall Attainment 2022-23

SUBJECT		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	AVERAGE
FM	Target	2.8	1.6	1.6	2	1	-	-	-	-	-	-	-	-	-	1.80
	Direct	1.05	0.55	0.55	0.62	0.31	-	-	-	-	-	-	-	-	-	0.62
	Indirect	1.88	1.07	1.07	1.32	0.66	-	-	-	-	-	-	-	-	-	1.20
SOM	Target	3	2.2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
	Direct	1.08	0.79	0.72	-	-	-	-	-	-	-	-	0.36	1.08	0.36	0.73
	Indirect	1.83	1.34	1.22	-	-	-	-	-	-	-	-	0.61	1.83	0.61	1.24
M-III	Target	3	3	2	1	-	-	-	-	1	-	-	3	-	-	2.17
	Direct	1.49	1.49	0.99	0.50	-	-	-	-	0.50	-	-	1.49	-	-	1.08
	Indirect	2.26	2.26	1.51	0.75	-	-	-	-	0.75	-	-	2.26	-	-	1.63
MS	Target	3	1	1.5	2	-	-	-	-	-	-	-	-	1.4	1	1.65
	Direct	1.46	0.49	1.15	0.00	-	-	-	-	-	-	-	-	0.79	0.49	0.73
	Indirect	1.89	0.63	0.94	1.31	-	-	-	-	-	-	-	-	0.88	0.63	1.05
THERMO	Target	2.6	3	2.2	1.6	-	-	1	-	-	-	-	-	3	1.8	2.17
	Direct	0.89	0.98	0.65	0.47	-	-	0.23	-	-	-	-	-	0.98	0.51	0.67
	Indirect	1.39	1.60	1.16	0.83	-	-	0.52	-	-	-	-	-	1.60	0.95	1.15
HU	Target	1.00	1.00	2.00	1.00	1.00	2.20	2.00	2.60	1.25	1.20	-	1.80	1.20	1.00	1.48
	Direct	0.80	0.80	1.60	0.80	0.80	1.76	1.60	2.08	1.00	0.96	-	1.44	0.96	0.80	1.18
	Indirect	0.67	0.67	1.35	0.67	0.67	1.48	1.35	1.75	0.67	0.81	-	1.21	0.81	0.54	0.97
M-IV	Target	3	3	2	1	-	-	-	-	1	-	-	3	-	-	2.17
	Direct	1.47	1.47	0.98	0.49	-	-	-	-	0.49	-	-	1.47	-	-	1.06
	Indirect	2.30	2.30	1.53	0.77	-	-	-	-	0.77	-	-	2.30	-	-	1.66
MD-1	Target	3	2.2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
	Direct	1.28	0.87	0.85	-	-	-	-	-	-	-	-	0.43	1.28	0.43	0.86
	Indirect	1.80	1.32	1.20	-	-	-	-	-	-	-	-	0.60	1.80	0.60	1.22
KOM	Target	3	2.2	2	-	-	-	-	-	-	-	-	1	3	1	2.03
	Direct	1.64	1.19	1.09	-	-	-	-	-	-	-	-	0.55	1.64	0.55	1.11
	Indirect	2.12	1.55	1.41	-	-	-	-	-	-	-	-	0.71	2.12	0.71	1.44
B. Electro.	Target	3.00	2.00	2.40	2.33	2.00	-	-	-	-	-	-	1.00	-	1.60	2.05
	Direct	1.00	0.67	0.67	-	-	-	-	-	-	-	-	0.20	-	0.33	0.57
	Indirect	1.98	1.32	1.58	1.13	1.23	-	-	-	-	-	-	0.53	-	1.04	1.26
MP-1	Target	2.75	2	2.25	2	2	2	2	2	2	2	2	2	3	2.75	2.20
	Direct	1.75	1.24	1.40	1.24	1.28	1.28	1.40	1.40	1.40	0.93	1.40	1.28	1.87	1.75	1.40
	Indirect	1.89	1.37	1.55	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	2.06	1.89	1.51
Eco Engg	Target	2.00	1.50	2.50	0.00	2.00	2.00	1.50	1.00	2.00	2.00	2.75	1.00	1.40	2.00	1.69
	Direct	0.97	0.73	1.21	0.00	0.97	0.97	0.73	0.48	0.97	0.97	1.33	0.48	0.68	0.97	0.82
	Indirect	1.41	1.06	1.77	-	1.41	1.41	1.06	0.71	1.41	1.41	1.94	0.71	0.99	1.41	1.29
DOM	Target	3	2	1.6	1	-	-	-	-	-	-	-	-	-	-	1.90
	Direct	1.58	1.01	0.77	0.17	-	-	-	-	-	-	-	-	-	-	0.88
	Indirect	2.17	1.44	1.16	0.71	-	-	-	-	-	-	-	-	-	-	1.37
MAC	Target	3	2.67	3	1	-	-	-	-	-	-	-	1	1.25	1	1.85

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	Direct	2.05	1.71	1.97	0.77	–	–	–	–	–	–	–	0.68	0.79	0.68	1.24
	Indirect	2.14	1.90	2.14	0.71	–	–	–	–	–	–	–	0.71	0.89	0.71	1.32
HMT	Target	3	3	3	3	2.75	1	1.5	–	–	–	–	–	3	3	2.58
	Direct	1.98	1.98	1.98	1.98	1.76	0.53	0.92	–	–	–	–	–	1.98	1.98	1.68
	Indirect	2.36	2.36	2.36	2.36	2.19	0.82	1.21	–	–	–	–	–	2.36	2.36	2.04
SGP	Target	3	3	2	–	–	–	–	–	–	–	–	3	3	1	2.50
	Direct	2.04	2.04	1.36	–	–	–	–	–	–	–	–	2.04	2.04	0.68	1.70
	Indirect	2.25	2.25	1.50	–	–	–	–	–	–	–	–	2.25	2.25	0.75	1.87
MP-2	Target	2.75	2	2.25	2	2	2	2	2	2	2	2	2	3	2.75	2.20
	Direct	1.81	1.40	1.46	1.40	1.28	1.28	0.93	1.40	1.40	1.40	–	1.28	2.10	1.81	1.46
	Indirect	2.04	1.48	1.67	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	2.22	2.04	1.63
RAC	Target	3	2.8	2	2.2	-	-	1	-	-	-	-	-	3	1	2.14
	Direct	1.40	1.26	0.93	1.03	–	0.00	0.47	–	–	–	–	–	1.40	0.47	0.87
	Indirect	2.36	2.21	1.58	1.74	–	0.00	0.81	–	–	–	–	–	2.36	0.79	1.48
MD-II	Target	3	3	3	3	1.25		2					2	3	1	2.36
	Direct	1.54	1.54	1.54	1.54	0.70	–	0.47	–	–	–	–	1.03	1.54	0.51	1.16
	Indirect	2.21	2.21	2.21	2.21	0.91	–	1.50	–	–	–	–	1.48	2.21	0.74	1.74
Fluid Mach	Target	3	2.2	2.2	2.6	1.5	-	-	-	2	-	-	1	-	-	2.07
	Direct	2.46	1.84	1.84	2.11	–	–	–	–	–	–	–	–	–	–	2.06
	Indirect	2.35	1.72	1.72	2.04	1.18	–	–	–	1.57	–	–	0.59	–	–	1.60
ICE	Target	3	3	3	3	1.25		2					2	3	1	2.36
	Direct	2.10	2.10	2.10	2.10	0.88	–	1.40	–	–	–	–	1.40	2.10	0.70	1.65
	Indirect	2.27	2.27	2.27	2.27	0.94	–	1.52	–	–	–	–	1.51	2.27	0.76	1.79
IEPM	Target	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1	2.03
	Direct	1.68	1.26	1.12	–	–	–	–	–	–	–	–	0.56	1.68	0.56	1.14
	Indirect	2.27	1.66	1.51	–	–	–	–	–	–	–	–	0.76	2.27	0.76	1.54
IT&INTE.	Target	3	3	3	3	3	2	1.5	3	3	3	2	2	3	2.2	2.62
	Direct	3.00	3.00	3.00	3.00	3.00	2.00	1.50	3.00	3.00	3.00	2.00	2.00	3.00	2.20	2.62
	Indirect	2.34	2.35	2.35	2.35	2.35	1.56	1.16	2.35	2.35	2.35	1.55	1.55	2.33	1.71	2.05
AE	Target	3	3	1.67	–	–	–	–	–	–	–	–	1	1.5	1.2	1.89
	Direct	2.82	2.82	1.67	–	–	–	–	–	–	–	–	0.94	1.00	1.14	1.73
	Indirect	2.38	2.38	1.32	–	–	–	–	–	–	–	–	0.79	0.79	0.95	1.43
VNC	Target	3	3	2	2	1	3	2	–	–	–	–	1	2	2	2.10
	Direct	1.34	1.34	0.89	1.80	0.80	2.10	1.60	–	–	–	–	0.45	0.89	0.89	1.21
	Indirect	2.30	2.30	1.53	1.53	0.75	2.20	1.50	–	–	–	–	0.77	1.53	1.53	1.60
CAD	Target	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1	2.03
	Direct	2.40	1.80	1.60	–	–	–	–	–	–	–	–	0.80	2.40	0.80	1.63
	Indirect	2.36	1.74	1.57	–	–	–	–	–	–	–	–	0.79	2.36	0.79	1.60
Mechatro	Target	2	2	2.3	2	2	–	–	–	–	–	–	1.4	2.4	2	1.93
	Direct	1.41	1.38	1.54	1.40	1.27	–	–	–	–	–	–	0.96	1.73	1.27	1.37
	Indirect	1.49	1.49	1.73	1.47	1.47	–	–	–	–	–	–	1.05	1.79	1.47	1.49
AMD	Target	3	2.2	2	–	–	–	–	–	–	–	–	1	3	1	2.03
	Direct	2.28	1.72	1.52	–	–	–	–	–	–	–	–	0.76	2.28	0.76	1.55

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	Indirect	2.32	1.71	1.55	–	–	–	–	–	–	–	–	0.77	2.32	0.77	1.57
OR	Target	2	3	–	1	1	–	–	–	1	1	1.5	1.5	2	1	1.50
	Direct	1.37	2.06	–	0.69	0.69	–	–	–	0.61	0.69	1.01	1.01	1.37	0.69	1.02
	Indirect	1.50	2.25	–	0.75	0.75	–	–	–	0.75	0.75	1.13	1.13	1.50	0.75	1.13
DS	Target	3	2	1.5	2	1	–	–	–	–	–	–	1	1.4	1	1.61
	Direct	2.20	1.47	1.05	0.93	0.73	–	–	–	–	–	–	0.73	1.01	0.73	1.11
	Indirect	2.20	1.47	1.10	1.47	0.73	–	–	–	–	–	–	0.73	1.03	0.73	1.18
HPC	Target	2.8	1.6	1.6	2	1	–	–	–	–	–	–	-	-	-	1.80
	Direct	2.62	1.46	1.46	1.80	0.90	–	–	–	–	–	–	–	–	–	1.65
	Indirect	2.15	1.22	1.22	1.51	0.76	–	–	–	–	–	–	–	–	–	1.37
MAJOR-1	Target	3	2.67	2	2	2.5	-	-	-	1.67	3	1.5	1	1.5	2	2.08
	Direct	3.00	2.67	2.00	2.00	1.50	-	-	-	0.67	0.00	0.00	1.00	1.50	2.00	1.48
	Indirect	2.65	2.32	1.73	1.70	2.17	-	-	-	1.44	2.60	1.30	0.90	1.33	1.73	1.81
IT&INTE.	Target	3	3	3	3	3	2	1.5	3	3	3	2	2	3	2.2	2.62
	Direct	3.00	3.00	3.00	3.00	3.00	2.00	1.50	3.00	3.00	3.00	2.00	2.00	3.00	2.20	2.62
	Indirect	2.50	2.50	2.50	2.50	2.50	1.68	1.28	2.50	2.55	2.55	1.67	1.67	2.53	1.85	2.20
RES	Target	3.00	1.25	1.67	2.00	1.67	1.75	1.67	–	–	–	–	–	3.00	1.00	1.89
	Direct	2.82	1.25	1.67	2.00	1.67	1.68	1.57	–	–	–	–	–	2.82	0.94	1.82
	Indirect	2.06	0.87	1.17	1.40	1.14	1.20	1.13	–	–	–	–	–	2.06	0.69	1.30
DTS	Target	3	2.6	1.6	1.8	1	2	1	-	-	-	-	-	3	2	2.00
	Direct	2.82	2.54	1.54	1.74	0.85	1.40	0.70	–	–	–	–	–	2.82	1.88	1.81
	Indirect	2.24	1.96	1.20	1.35	0.73	1.40	0.70	–	–	–	–	–	2.24	1.49	1.48
3DP	Target	3	2.2	2.4	–	3	–	1	–	–	–	–	1	3	2	2.20
	Direct	2.82	2.02	2.28									0.94	2.82	1.88	2.13
	Indirect	2.50	1.83	2.00		2.50		0.83					0.83	2.50	1.67	1.83
IT&INTE.	Target	3	3	3	3	3	2	1.5	3	3	3	2	2	3	2.2	2.62
	Direct	3.00	3.00	3.00	3.00	3.00	2.00	1.50	3.00	3.00	3.00	2.00	2.00	3.00	2.20	2.62
	Indirect	2.50	2.50	2.50	2.50	2.50	1.68	1.28	2.50	2.55	2.55	1.67	1.67	2.53	1.85	2.20
MAJOR-2	Target	3	2.67	2	2	2.5	–	–	–	2	3	1	1	1.5	2	2.06
	Direct	3.00	2.67	2.00	2.00	2.50	–	–	–	2.00	3.00	1.00	1.00	1.50	2.00	2.06
	Indirect	2.60	2.33	1.73	1.77	2.20	–	–	–	1.77	2.70	0.90	0.87	1.30	1.73	1.81

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Target vs Attainment sheet															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	Average
Target	2.83	2.37	2.17	1.95	1.84	2.00	1.57	2.37	1.92	2.32	1.86	1.51	2.50	1.55	2.05
Direct	1.93	1.62	1.49	1.38	1.39	1.42	1.10	2.05	1.50	1.69	1.34	1.05	1.74	1.10	1.49
Indirect	2.10	1.77	1.61	1.50	1.42	1.36	1.17	1.81	1.50	1.86	1.44	1.12	1.84	1.16	1.55
Total Attainment	1.97	1.65	1.51	1.40	1.40	1.41	1.11	2.00	1.50	1.73	1.36	1.06	1.76	1.11	1.50

Attainment %	69.38	69.73	69.83	71.91	75.84	70.41	70.85	84.47	78.33	74.45	73.21	70.42	70.49	71.48	72.94
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