

Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

NAAC Accredited with A++

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF ELECTRICAL ENGINEERING

Our Vision

To emerge as a leading center of learning to groom aspiring electrical engineers into successful professionals by providing contemporary education and intellectual rigor.

Our Mission

Attract top talent and mould them with right scholarship through quality education, innovation and research in an inclusive environment.

SESSION 2024-25

Summary Sheet Overall Attainment

	PO1		PO2		PO3		PO4		PO5		PO6		PO7		PO8		PO9		PO10		PO11		PSO1		PSO2	
	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T
2024-25	2.20	2.96	2.00	2.69	1.94	2.55	1.77	2.32	1.73	2.18	1.51	2.06	1.37	1.69	1.44	1.68	1.85	2.09	2.11	2.30	1.68	2.22	1.87	2.55	1.88	2.49
	74.38		74.36		76.11		76.28		79.63		73.31		80.89		85.30		88.80		91.66		75.75		73.49		75.51	

A	ATTAINMENT
T	TARGET

Prof. J. M. Kumbhare
OBE Departmental Coordinator

DR.S.G.KADWANE
HOD(ELEC)

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Program Articulation Matrix

S.N.	Sem	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
1	I	23EL1101	Basic Electrical and Electronics Engineering	3.00	2.33	2.00	2.00	2.00	2.00			2.00		2.00	2.50	2.67
2	I	23EL1103	Fundamentals of Electrical Engineering	3.00	3.00	2.00	1.00		2.00					2.00	2.00	
3	I	23EL1104	Lab: Fundamentals of Electrical Engineering	3.00	3.00	2.50	1.00					3.00	2.00	2.00	2.25	2.25
4	I	23EL1105	Lab: Electrical and Electronics Workshop	3.00	2.50	2.50	1.67	2.75	2.25					1.00	2.00	3.00
5	III	23EL1301	Electrical Energy Generation System	3.00	3.00	2.00	2.00		3.00					2.00	3.00	1.00
6	III	23EL1302	Lab: Renewable Energy Sources	3.00	1.50	1.75	3.00	2.25	3.00					2.00	2.00	
7	III	23EL1303	Network Analysis	3.00	2.00	1.00	1.00	1.00		1.00				3.00	3.00	3.00
8	III	23EL1304	Lab : Electrical Engineering Workshop	3.00	2.50	2.00	2.67	2.75	2.50					2.00	2.75	3.00
9	III	23EL1305	Electrical Machines	2.75	2.75	2.75	1.75	1.75	1.00					2.00	2.50	3.00
10	III	23EL1306	Lab: Electrical Machines	3.00	3.00	3.00	2.00	2.00	1.00					2.00	2.00	2.00
11	V	22EL501	Control System	3.00	2.00	2.00	2.00	1.00						1.00	2.00	3.00
12	V	22EL502	Lab : Control System	3.00	2.00	2.00	3.00	2.75						1.00	2.00	3.00
13	V	22EL503	Power Electronics	3.00	2.00	1.75	1.75	1.00						1.00	2.25	3.00
14	V	22EL504	Lab: Power Electronics	3.00	2.00	1.75	1.75	1.00						1.00	2.25	3.00
15	V	22EL505	Lab: Electronic Engineering Workshop	3.00	3.00	3.00	3.00	3.00						3.00		3.00
16	V	22EL511	PEI: Electric and Magnetic Field	3.00	3.00	2.00	2.50	2.50	2.25					2.50	2.25	3.00
17	V	22EL512	PEI: Electrical Machine Design	3.00	3.00	3.00	3.00	2.00	2.00					2.00	3.00	2.00
18	V	22EL513	PEI: Design of Photovoltaic System	3.00	2.67	2.33	1.67	1.75	1.75					1.75	1.75	1.00
19	V	22EL514	PEI: Electric Power Utilization	3.00	3.00	3.00					1.00			3.00		3.00
20	V	22EL531	PEII: Illumination Engineering(MOOC)	3.00	2.75	3.00	1.00	1.00	2.00					1.00	2.00	2.00
21	V	22EL532	PEII: Energy Storage System	3.00	3.00	3.00	2.75	2.25	2.00					3.00	3.00	2.00
22	V	22EL533	PEII: Electrical Wiring :Estimation and Costing	3.00	2.60	2.20	1.80	1.80	1.00					1.00	3.00	2.00
23	V	22EL534	PEII: Distributed Generations in Power System	3.00	2.75	2.75	2.00	1.00	2.00					3.00	3.00	3.00
24	VII	EL2401	Switchgear & Protection	3.00	2.50	2.25	2.33		1.50					1.00	3.00	1.75
25	VII	EL2402	Lab: Switchgear & Protection	2.25	2.00	1.00	2.00	1.50	2.00					2.00	2.00	2.00
26	VII	EL2403	High Voltage Engineering	3.00	3.00	2.50	2.00	2.25	1.50					2.00	3.00	2.00
27	VII	EL2404	Lab: High Voltage Engineering	3.00	3.00	3.00	3.00	2.50	1.25					2.00	3.00	2.00
28	VII	EL2411	PE II: Fundamentals of Power Quality	3.00	2.00					1.00	1.00	1.00		2.00	2.00	2.00
29	VII	EL2412	PE II: Electrical Installation Design	3.00	3.00	3.00	3.00							3.00	3.00	2.00
30	VII	EL2421	PE II: Power System Operation and Control	3.00	3.00	3.00	3.00							3.00	3.00	3.00
31	VII	EL2429	PE II: Micro Grid	3.00	2.00	2.00	2.00	2.00	1.20		1.00	1.00		1.00	1.80	1.00
32	VII	EL2422	PE III: FACTS Devices	3.00	2.50	2.50	2.50	1.75		1.00	1.00			3.00	2.75	2.75
33	VII	EL2423	PE III: Electrical Energy Management and Audit	3.00	2.25	2.33	2.00	2.33	2.25	2.00	1.00	1.50	1.67	2.00	2.75	2.75
34	VII	EL2424	PE III: Advance Control System	3.00	3.00	2.00	2.00	2.00			1.00	1.00		1.00	3.00	3.00
35	VII	EL2425	PE III: Artificial Intelligence Based System	3.00	2.00	1.00	1.00	1.00							1.00	1.00
36	VII	EL2431	PE IV: Advanced Electrical Drives	3.00	3.00	2.75	2.75	2.00	2.25					2.25	2.00	3.00
37	VII	EL2432	PE IV: Fundamentals of Smart Grid	3.00	3.00	2.67	3.00	2.25	1.50	1.00	1.33	1.00	1.00	2.00	1.67	2.00
38	VII	EL2433	PE IV: Computer Methods in Power System	3.00	1.00	1.75	1.25	1.00						1.00	3.00	
39	VII	EL2436	PE IV: Project Planning	3.00	3.00	3.00	1.75							2.00	2.00	1.00
40	VII	EL2409	Mini Project	3.00	3.00	3.00	2.33	2.50		2.00	2.00	2.50	2.00	1.67	2.20	2.60
41	IV	23EL1401	Electrical Measurement and Instrumentation	3.00	2.50	2.00	2.00	3.00	2.00					2.00	2.75	2.75
42	IV	23EL1402	Lab : Electrical Measurement and Instrumentation	2.50	2.67	2.50	2.00	2.75						2.00	2.75	2.50
43	IV	23EL1403	Electrical Machines in Power System	2.75	2.75	2.50	2.00	1.50	1.50	1.00				2.00	3.00	3.00
44	IV	23EL1404	Lab : Electrical Machines in Power System	3.00	3.00	2.50	2.25	1.75	2.00	1.00				3.00	3.00	1.00
45	IV	23EL1405	Lab : Computer Programming	3.00	3.00	3.00	3.00	3.00			2.00	2.00		3.00	3.00	3.00
46	IV	23EL1406	Digital Signal Processing	3.00	3.00	1.00	1.00	1.00						2.00	2.00	3.00
47	VI	22EL601	Power System Analysis	3.00	2.75		1.75	1.75	2.00		1.00			3.00	3.00	2.00

48	VI	22EL602	Electric Vehicles	3.00	3.00	3.00	2.25	1.00	2.00					2.00	2.75	2.25
49	VI	22EL603	Lab: Electric Vehicles	3.00	3.00	3.00	2.25	3.00	1.00					2.00	2.00	3.00
50	VI	22EL604	Lab:Simulation of Power Electronics & Power System	2.25	2.25	1.75	1.75	3.00						2.00	3.00	2.00
51	VI	22EL605	Lab.:Substation Design	3.00	2.50	2.75	1.50				1.00		2.00	2.00	3.00	2.00
52	VI	22EL606	Project Phase I	3.00	3.00	3.00	2.33	2.50		2.00	2.00	2.50	2.00	1.67	2.20	2.60
53	VI	22EL611	PEIII:Electrical Installation Design	3.00	3.00	3.00	3.00							3.00	3.00	2.00
54	VI	22EL612	PEIII:Lab:Electrical Installation Design	3.00	3.00	3.00	3.00	2.00						3.00	3.00	3.00
55	VI	22EL613	PEIII:Electrical Energy Audit and Safety Analysis	3.00	3.00	3.00	3.00						3.00	3.00	3.00	3.00
56	VI	22EL614	PEIII:Lab:Electrical Energy Audit and Safety Analysis	3.00	3.00	3.00	3.00	2.25					3.00	3.00	3.00	3.00
57	VI	22EL615	PEIII:Computer Methods in Power System	3.00	1.00	1.75	1.25	1.00						1.00	3.00	
58	VI	22EL616	PEIII:Lab:Computer Methods in Power System	2.00	1.00	2.00		3.00		1.00	2.00	2.00		1.00	2.00	
59	VI	22EL617	PEIII:Project Planning and Management	3.00	3.00	3.00	1.75						2.00	2.00	1.00	2.00
60	VI	22EL618	PEIII:Lab: Project Planning and Management	3.00	3.00	3.00	1.75						2.00	2.00	1.00	2.00
61	VI	22EL631	PEIV: Advanced Power Electronics	3.00	2.00		1.00							1.00	1.75	1.00
62	VI	22EL632	PEIV: Advanced Electrical Drives	3.00	3.00	2.75	2.75	2.00	2.25					2.25	2.00	3.00
63	VI	22EL633	PEIV: Grid integration in Renewable Energy Systems	3.00	3.00	3.00	3.00	1.00	1.25					3.00	3.00	2.00
64	VI	22EL635	PEIV : Microgrid	3.00	2.00	2.00	2.00	2.00	1.20		1.00	1.00		1.00	1.80	1.00
65	VIII	EL2451	Major Project	3.00	3.00	3.00	2.33	2.50		2.00	2.00	2.50	2.00	1.67	2.20	2.60
66	VIII	EL2452	Extra Curricular Activity Evaluation	3.00	3.00	3.00	3.00					3.00	3.00	3.00	3.00	3.00
Average				2.95	2.61	2.44	2.14	1.97	1.83	1.36	1.36	1.86	2.13	2.03	2.44	2.37

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	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T
2024-25	2.20	2.96	2.00	2.69	1.94	2.55	1.77	2.32	1.73	2.18	1.51	2.06	1.37	1.69	1.44	1.68	1.85	2.09	2.11	2.30	1.68	2.22
	74.38		74.36		76.11		76.28		79.63		73.31		80.89		85.30		88.80		91.66		75.75	

Direct Attainment

S.N.	Sem	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
1	I	23EL1101	Basic Electrical and Electronics Engineering	1.87	1.45	1.25	1.30	1.25	1.29		1.27		1.30	1.55	1.70	
2	I	23EL1103	Fundamentals of Electrical Engineering	1.41	1.41	0.94	0.47		0.51				0.94	0.94		
3	I	23EL1104	Lab: Fundamentals of Electrical Engineering	2.71	2.71	2.26	0.90					2.71	1.81	1.81	2.03	2.03
4	I	23EL1105	Lab: Electrical and Electronics Workshop	3.00	2.50	2.50	1.67	2.75	2.25				1.00	2.00	3.00	
5	III	23EL1301	Electrical Energy Generation System	1.75	1.75	1.17	1.17		1.75				1.17	1.75	0.58	
6	III	23EL1302	Lab: Renewable Energy Sources	3.00	1.50	1.75	3.00	2.25	3.00				2.00	2.00		
7	III	23EL1303	Network Analysis	1.64	1.09	0.55	0.55	0.55		0.55			1.64	1.64	1.64	
8	III	23EL1304	Lab : Electrical Engineering Workshop	3.00	2.50	2.00	2.67	2.75	2.50				2.00	2.75	3.00	
9	III	23EL1305	Electrical Machines	1.58	1.58	1.58	1.02	1.02	0.56				1.12	1.40	1.68	
10	III	23EL1306	Lab: Electrical Machines	2.15	2.15	2.15	1.43	1.43	0.72				1.43	1.43	1.43	
11	V	22EL501	Control System	1.28	0.86	0.86	0.86	0.43					0.43	0.86	1.28	
12	V	22EL502	Lab : Control System	2.72	1.81	1.81	2.72	2.49					0.91	1.81	2.72	
13	V	22EL503	Power Electronics	0.45	0.30	0.29	0.37						0.15	0.41	0.45	
14	V	22EL504	Lab: Power Electronics	2.43	1.62	1.42	1.42	0.81					0.81	1.82	2.43	
15	V	22EL505	Lab: Electronic Engineering Workshop	2.93	2.93	2.93	2.93	2.93					2.93		2.93	
16	V	22EL511	PEI: Electric and Magnetic Field	0.73	0.73	0.49	0.68	0.58	0.52				0.58	1.04	0.98	
17	V	22EL512	PEI: Electrical Machine Design	1.72	1.72	1.72	1.72	1.15	1.15				1.15	1.72	1.15	
18	V	22EL513	PEI: Design of Photovoltaic System	1.82	1.48	1.24	0.91	1.02	1.02				1.02	0.97	0.73	
19	V	22EL514	PEI: Electric Power Utilization	1.47	1.47	1.47				0.49			1.47		1.47	
20	V	22EL531	PEII: Illumination Engineering(MOOC)	2.11	1.99	2.11	0.70	0.70	1.41				0.70	1.41	1.41	
21	V	22EL532	PEII: Energy Storage System	1.56	1.56	1.56	1.49	1.24					1.56	1.56	1.04	
22	V	22EL533	PEII: Electrical Wiring :Estimation and Costing	1.89	1.62	1.29	1.13	1.13	0.63				0.63	1.89	1.26	
23	V	22EL534	PEII: Distributed Generations in Power System	2.14	2.02	2.02	1.48	0.78	1.65				2.14	2.14	2.14	
24	VII	EL2401	Switchgear & Protection	1.47	1.11	1.02	0.92		0.71				0.49	1.47	0.80	
25	VII	EL2402	Lab: Switchgear & Protection	2.24	1.99	1.00	1.99	1.50	1.99				1.99	1.99	1.99	
26	VII	EL2403	High Voltage Engineering	1.17	1.17	1.01	0.78	0.80	0.62				0.78	1.17	0.78	
27	VII	EL2404	Lab: High Voltage Engineering	2.72	2.72	2.72	2.72	2.27	1.13				1.81	2.72	1.81	
28	VII	EL2411	PE II: Fundamentals of Power Quality	1.00	0.47					0.33	0.33	0.33		0.67	0.67	0.67
29	VII	EL2412	PE II: Electrical Installation Design	2.20	2.20	2.20	2.14						2.20	2.20	1.47	
30	VII	EL2421	PE II: Power System Operation and Control	1.09	1.09	1.09	1.09						1.09	1.09	1.09	
31	VII	EL2429	PE II: Micro Grid	2.53	1.63	1.64	1.65	1.65	1.04		0.83	0.83		0.84	1.50	0.83
32	VII	EL2422	PE III: FACTS Devices	1.30	1.11	1.11	1.11	0.77		0.43	0.43		1.30	1.21	1.21	
33	VII	EL2423	PE III: Electrical Energy Management and Audit	2.87	2.16	2.28	1.96	2.28	2.13	1.78	0.97	1.46	1.63	1.91	2.64	2.64
34	VII	EL2424	PE III: Advance Control System	1.43	1.43	0.95	0.95	0.95			0.48	0.48		1.43	1.43	
35	VII	EL2425	PE III: Artificial Intelligence Based System	1.15	0.77	0.38	0.38	0.38						0.38	0.38	
36	VII	EL2431	PE IV: Advanced Electrical Drives	1.18	1.18	1.07	1.07	0.79	0.92					0.92	0.78	1.18
37	VII	EL2432	PE IV: Fundamentals of Smart Grid	1.88	1.44	1.49	1.46	1.22	0.75	0.49	0.73	0.58	0.49	1.11	0.80	1.16
38	VII	EL2433	PE IV: Computer Methods in Power System	0.92	0.31	0.54	0.41	0.31						0.31	0.92	
39	VII	EL2436	PE IV: Project Planning	2.01	2.01	2.01	1.13						1.34	1.34	0.67	1.34
40	VII	EL2409	Mini Project	2.84	2.84	2.84	2.21	2.37		1.89	1.89	2.37	1.89	1.58	2.08	2.46
41	IV	23EL1401	Electrical Measurement and Instrumentation	1.48	1.15	1.81	0.99	1.48	0.46					0.99	1.40	1.37

42	IV	23EL1402	Lab : Electrical Measurement and Instrumentation	2.38	2.54	2.38	1.90	2.62						1.90	2.62	2.38
43	IV	23EL1403	Electrical Machines in Power System	1.65	1.65	1.50	1.23	0.88	0.87	0.61				1.19	1.78	1.78
44	IV	23EL1404	Lab : Electrical Machines in Power System	2.15	2.15	1.79	1.61	1.25	1.43	0.72				2.15	2.15	0.72
45	IV	23EL1405	Lab : Computer Programming	2.73	2.73	2.73	2.73	2.73			1.82	1.82		2.73	2.73	2.73
46	IV	23EL1406	Digital Signal Processing	1.04	1.04	0.35	0.35	0.35						0.69	0.69	1.04
47	VI	22EL601	Power System Analysis	1.22	1.06		0.65	0.65	0.65		0.33			1.63	1.22	0.81
48	VI	22EL602	Electric Vehicles	1.25	1.25	1.25	1.08	0.44	0.89					0.83	1.00	0.92
49	VI	22EL603	Lab: Electric Vehicles	2.57	2.57	2.57	1.94	2.57	0.86					1.71	1.71	2.57
50	VI	22EL604	Lab:Simulation of Power Electronics & Power Sys	1.99	1.99	1.55	1.55	2.65						1.77	2.65	1.77
51	VI	22EL605	Lab.:Substation Design	3.00	2.50	2.75	1.50				1.00		2.00	2.00	3.00	2.00
52	VI	22EL606	Project Phase I	2.79	2.79	2.79	2.17	2.32		1.86	1.86	2.32	1.86	1.55	2.04	2.41
53	VI	22EL611	PEIII:Electrical Installation Design	1.88	1.88	1.88	1.93							1.88	1.88	1.25
54	VI	22EL612	PEIII:Lab:Electrical Installation Design	3.00	3.00	3.00	3.00	2.00						3.00	3.00	3.00
55	VI	22EL613	PEIII:Electrical Energy Audit and Safety Analysis	2.69	2.69	2.69	2.69						2.69	2.69	2.69	2.69
56	VI	22EL614	PEIII:Lab:Electrical Energy Audit and Safety Anal	3.00	3.00	3.00	3.00	2.25						3.00	3.00	3.00
57	VI	22EL615	PEIII:Computer Methods in Power System	1.58	0.53	0.97	0.65	0.53						0.53	1.58	
58	VI	22EL616	PEIII:Lab:Computer Methods in Power System	1.91	0.96	1.91		2.87		0.96	1.91	1.91		0.96	1.91	
59	VI	22EL617	PEIII:Project Planning and Management	2.00	2.00	2.00	1.11						1.33	1.33	0.67	1.33
60	VI	22EL618	PEIII:Lab: Project Planning and Management	3.00	3.00	3.00	1.75						2.00	2.00	1.00	2.00
61	VI	22EL631	PEIV: Advanced Power Electronics	0.97	0.68		0.34							0.32	0.58	0.32
62	VI	22EL632	PEIV: Advanced Electrical Drives	2.06	2.06	1.88	1.88	1.34	1.57					1.57	1.38	2.06
63	VI	22EL633	PEIV: Grid integration in Renewable Energy Syste	2.26	2.26	2.26	2.26	0.75	0.96					2.26	2.26	1.50
64	VI	22EL635	PEIV : Microgrid	2.53	1.63	1.64	1.65	1.65	1.04		0.83	0.83		0.84	1.50	0.83
65	VIII	EL2451	Major Project	2.93	2.93	2.93	2.28	2.45		1.96	1.96	2.45	1.96	1.63	2.15	2.54
66	VIII	EL2452	Extra Curricular Activity Evaluation	3.00	3.00	3.00	3.00					3.00	3.00	3.00	3.00	3.00
Direct Attainment (Average)				2.01	1.78	1.75	1.52	1.47	1.19	1.05	1.06	1.60	1.92	1.43	1.66	1.64
Direct Maximum Attainable Value from Program Articulation Matrix (PAM)				2.95	2.61	2.44	2.14	1.97	1.83	1.36	1.36	1.86	2.13	2.03	2.44	2.37
% Direct Attainment				68.06	68.22	71.84	70.87	74.77	65.36	77.09	77.96	85.96	90.32	70.42	68.27	69.42

Indirect Attainment															
Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2		
Alumni Feedback	96.92	100.00	92.31	95.38	98.46	100.00	98.46	100.00	93.85	89.23	98.46	95.38	93.85		
Parent Feedback	100.00	91.23	87.72	85.96	91.23	87.72	84.21	100.00	89.47	98.25	96.49	89.47	94.74		
Course Closure	100.00	91.43	100.00	85.71	80.00	82.86	88.57	94.29	100.00	94.29	85.71	91.43	97.14		
Employer Feedback	100.00	100.00	80.00	100.00	100.00	100.00	80.00	100.00	100.00	100.00	80.00	60.00	60.00		
Indirect Attainment in %	99.23	95.66	90.01	91.77	92.42	92.64	87.81	98.57	95.83	95.44	90.17	84.07	86.43		
Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2		
Alumni Feedback	2.91	3.00	2.77	2.86	2.95	3.00	2.95	3.00	2.82	2.68	2.95				
Parent Feedback	3.00	2.74	2.63	2.58	2.74	2.63	2.53	3.00	2.68	2.95	2.89	2.68	2.84		
Course Closure	3.00	2.74	3.00	2.57	2.40	2.49	2.66	2.83	3.00	2.83	2.57	2.74			
Employer Feedback	3.00	3.00	2.40	3.00	3.00	3.00	2.40	3.00	3.00	3.00	2.40				
Indirect Attainment in scale of 3	2.98	2.87	2.70	2.75	2.77	2.78	2.63	2.96	2.87	2.86	2.71	2.71	2.84		
Indirect Maximum Attainable Value from PAM	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		
% Indirect Attainment	99.23	95.66	90.01	91.77	92.42	92.64	87.81	98.57	95.83	95.44	90.17	90.45	94.74		

Direct Maximum Attainable Value from PAM	2.95	2.61	2.44	2.14	1.97	1.83	1.36	1.36	1.86	2.13	2.03	2.44	2.37
Indirect Maximum Attainable Value from PAM	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
80% of Direct Maximum Attainable Value from PAM	2.36	2.09	1.95	1.72	1.58	1.46	1.09	1.08	1.49	1.70	1.62	1.95	1.89
20% of Indirect Maximum Attainable Value from PAM	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Overall Maximum Attainable Value from PAM (Target Level) NBA Criteria 7	2.96	2.69	2.55	2.32	2.18	2.06	1.69	1.68	2.09	2.30	2.22	2.55	2.49

Overall Attainment													
PO'S	1	2	3	4	5	6	7	8	9	10	11	PSO1	PSO2
Direct Attainment on scale 3	2.01	1.78	1.75	1.52	1.47	1.19	1.05	1.06	1.60	1.92	1.43	1.66	1.64
Indirect Attainment on scale 3	2.98	2.87	2.70	2.75	2.77	2.78	2.63	2.96	2.87	2.86	2.71	2.71	2.84
PO'S	1	2	3	4	5	6	7	8	9	10	11	PSO1	PSO2

80% of Direct Attainment	1.60	1.42	1.40	1.22	1.18	0.95	0.84	0.85	1.28	1.54	1.14	1.33	1.32
20% of Indirect Attainment	0.60	0.57	0.54	0.55	0.55	0.56	0.53	0.59	0.57	0.57	0.54	0.54	0.57
Overall Attainment Level (NBA Criteria 7)	2.20	2.00	1.94	1.77	1.73	1.51	1.37	1.44	1.85	2.11	1.68	1.87	1.88
Overall Attainment Level in % (NBA Criteria 7)	74.38	74.36	76.11	76.28	79.63	73.31	80.89	85.30	88.80	91.66	75.75	73.49	75.51

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PSO1		PSO2	
A	T	A	T
1.87	2.55	1.88	2.49
73.49		75.51	