



SEMESTER	II																		
SEMESTER II	Modern Physics	PH-421	72.95	C01	3	1	1	1	0	1	0	0	3	0	1	3	3	0	
			76.73	C02	3	3	3	2	3	0	2	1	0	1	0	2	3	3	0
			78.71	C03	3	1	2	1	1	3	3	3	3	2	3	3	3	3	0
			70.65	C04	3	3	1	0	1	2	0	0	2	3	1	1	3	3	0
			70.67	C05	2	1	3	1	0	0	3	2	0	0	2	0	3	3	0
	Environmental Studies	MC-421	87.75	C01	0	0	0	0	0	3	3	3	0	0	0	1	0	0	
			87.07	C02	0	0	0	0	0	2	3	2	0	1	0	1	0	0	
			87.92	C03	3	2	2	0	0	0	0	0	0	0	0	1	0	0	
			85.9	C04	0	2	0	0	0	2	2	2	0	1	0	1	0	0	
	Elements of Electronics Engineering	EC-421	79.4	C01	3	3	1	1	1	3	1	0	0	0	2	1	3		
			79.4	C02	3	3	3	3	3	2	1	1	0	0	3	2	3		
			80.2	C03	3	3	0	0	0	0	0	0	0	0	0	1	0	3	
			80.8	C04	3	3	3	2	1	3	0	0	0	0	0	0	0	3	
	CIRCUIT THEORY	EE-422	97.12	C01	3	3	2	2	1	1	1	2	1					3	
			92.84	C02	3	3	2	2	1	1	1	2	1					3	
			94.61	C03	3	3	2	2	1	1	1	2	1					3	
			91.19	C04	3	3	2	2	1	1	1	2	1					3	
			99.28	C05	3	2	3	2	1	1	1	2	1					3	
	Elements of Electrical Machines and Power System	EE-423	80.4	C01	3	2			1			1				3		3	3
			80	C02	3	3	3	3	1			3	1	2	2		2	2	
81.39			C03	3	2			2	2		1				3		2	2	
76.27			C04	3	3	3	3				3	1	2	2		3	2		
81.4			C05	3	2			1			1				3		3	2	
ELECTRICAL ENGINEERING MATERIALS	EE-424	92.5	C01	3												1	2	2	
		93.66	C02	3	2												2	2	
		97	C03	3				2									2	2	
		92.56	C04		2			2									2	2	
		92.76	C05	2						2						1	2	2	
Electrical Workshon	EE-425	87.83	C01	3												2	3	2	
		81.39	C02		3											1	3	3	
		78.47	C03							3				2	2		3	2	
		81.39	C04				3			2					1		3	2	
		76.35	C05	3						3			2		1		3	3	
Electrical Engineering Practices	EE-426	88.4	C01	3					3		2				3	3	1		
		88.95	C02	3	2			2	2	3	2				2	3	2		
		87.93	C03	3	2				2			2				3	1		
		87.78	C04	2		2		3			2				3	3	2		
		88.95	C05	3	2			3							3	3	2		

**SEMESTER III**

Higher Engineering Mathematics	AM-511	94.36	CO1	3	3	2	1	0	0	0	0	0	0	1	0	2	3	2	
		97.56	CO2	3	3	2	1	0	0	0	0	0	0	1	0	2	3	2	
		98.73	CO3	3	3	2	1	0	0	0	0	0	0	1	0	2	3	2	
		95	CO4	3	3	2	1	0	0	0	0	0	0	1	0	2	3	2	
		93.33	CO5	3	3	2	1	0	0	0	0	0	0	1	0	2	3	2	
Network Analysis and Synthesis	EE-511	93.35	CO1	3										2					
		86.77	CO2			3													
		95.6	CO3	3															
		89.42	CO4		3	2										1			
		81.58	CO5			3										1			
ELECTRICAL MACHINES (TRANSFORMERS AND DC MACHINES)	EE-512	85.17	CO1	3		2											3	3	
		80.92	CO2		1	2			2									2	2
		85.46	CO3				3	2			1							3	2
		91.31	CO4				3	2			1							3	2
		95.28	CO5	3		2			2							1		2	2
Electrical and Electronic Measurement and Instrumentation	EE-513	84.13	CO1	3					2	2						1			
		83.7	CO2	3		3	2		2	2			2			1			
		82.95	CO3	2				2	2										
		82.08	CO4	2				2	2				2	2		2			
		82.69	CO5	2				2					2	2		2			
Transmission and Distribution of Electrical Power	EE-514	96.71	CO1	3	3	2	2	1	1	1	2	1					3		
		93.22	CO2	3	3	2	2	1	1	1	2	1					3		
		88.36	CO3	3	3	2	2	1	1	1	2	1					3		
		94.69	CO4	3	3	2	2	1	1	1	2	1					3		
		93.49	CO5	3	2	3	2	1	1	1	2	1					3		
SIMULATION LABORATORY	EE-515	94.15	CO1	3		2		2							1	2	2		
		92.57	CO2		2	2	1										3	3	
		93.41	CO3			2		2						3			3	3	
		88.94	CO4	3	3												3	3	
		88.94	CO5		2		3	1									3	3	
		88.96	CO6	3		2										3	3	3	

**SEMESTER IV**

<b>INDUSTRIAL CHEMISTRY</b>	<b>CY 521</b>	73.04	<b>CO1</b>	3	3	2	3	2	3	3		3	2	3	3	3	
		73.66	<b>CO2</b>	3	3	3	3	3	2	2		3		3	3	3	
		73.55	<b>CO3</b>	3	3	2	3	3	2	2		2		2	3	3	
		70.11	<b>CO4</b>	3	2	3	3	3	3	2		2	2	3	3	3	
		75.98	<b>CO5</b>	2	3	2	2	2	1	2		2	1	1	3	3	
<b>MATERIAL SCIENCE</b>	<b>PH-521</b>	66.46	<b>CO1</b>	3	3	3	2	3	2	3	3	2	3	3	2	3	2
		66.31	<b>CO2</b>	3	3	3	2	1		2	2	3	3	2	3	3	2
		67.33	<b>CO3</b>	3	2	3	3	3	1	3	3	2	2	2	2	2	3
		67.15	<b>CO4</b>	2	3	2	3	3	3	2	3	2	1	2	2	3	2
		67.67	<b>CO5</b>	3	2	2	2	2	3	2	2	3	3	2	3	2	2
<b>Digital Electronics and Logic Circuit Design</b>	<b>EE-521</b>	82.35	<b>CO1</b>	3											2	2	2
		76.64	<b>CO2</b>				2						2			2	2
		78.32	<b>CO3</b>				2	3								2	2
		79.76	<b>CO4</b>				2	2	2							2	2
		78.01	<b>CO5</b>							2			2	2		2	2
<b>Electrical Machines (Asynchronous)</b>	<b>EE-522</b>	91.68	<b>CO1</b>	3											1	3	3
		83.06	<b>CO2</b>		3	2										2	2
		83.3	<b>CO3</b>		2	3			2							3	2
		76.48	<b>CO4</b>	3												3	2
		88.5	<b>CO5</b>			3			3							1	2
<b>ELECTRICAL POWER GENERATION</b>	<b>EE-523</b>	79.01	<b>CO1</b>	3	3	2	2	1	1	1	2	1				3	
		80.22	<b>CO2</b>	3	3	2	2	1	1	1	2	1				3	
		79.44	<b>CO3</b>	3	3	2	2	1	1	1	2	1				3	
		81.6	<b>CO4</b>	3	3	2	2	1	1	1	2	1				3	
		79.44	<b>CO5</b>	3	2	3	2	1	1	1	2	1				3	
<b>Sensor &amp; Signal Conditioning</b>	<b>EE-524</b>	75.19	<b>CO1</b>	3	3	2	2	1	1	1	2	1				3	
		73.56	<b>CO2</b>	3	3	2	2	1	1	1	2	1				3	
		64.34	<b>CO3</b>	3	3	2	2	1	1	1	2	1				3	
		63.77	<b>CO4</b>	3	3	2	2	1	1	1	2	1				3	
		62.15	<b>CO5</b>	3	2	3	2	1	1	1	2	1				3	

SEMESTER	V																			
SEMESTER V	Engineering economics and entrepreneurship	HU-611	92.3	CO1							2	3						3		
			91.59	CO2							2	3							3	
			91.12	CO3								2	3							3
			93.35	CO4								2	3							3
			95.47	CO5								2	3							3
	NUMERICAL METHODS & IAR	AM-611	91.67	CO1	3	3	2	3	3	0	0	0	0	1	0	2	3	2	2	
			83.46	CO2	3	3	2	3	3	0	0	0	0	0	1	0	2	3	2	
			72.28	CO3	3	3	2	3	3	0	0	0	0	0	1	0	2	3	2	
			89.51	CO4	3	3	2	3	3	0	0	0	0	0	1	0	2	3	2	
			93.01	CO5	3	3	2	3	3	0	0	0	0	0	1	0	2	3	2	
	Linear Control Systems	EE-611	89.39	CO1	3						3	2		2	1	2				
			78.72	CO2	3	3	2	3	1					2						
			82.49	CO3	3	2	3	3	2					2						
			74.42	CO4	3	3	3	3	2	3			2		2	2	2			
			98.9	CO5	3		3	3		3	2	3	2		2	2	2			
	Electrical Machine (Synchronous and Special)	EE-612	85.03	CO1	3											2	2	2		
			82.14	CO2				2						2				2	2	
			86.4	CO3			2	3										2	2	
			64.66	CO4			2	2	2									2	2	
			90.89	CO5						2			2	2				2	2	
Electromagnetic Field Theory	EE-613	73.9	CO1	3					2		2				1	3				
		71.72	CO2	3		3	2		2		2		2		1	3				
		67.33	CO3	2					2	2							3			
		72.65	CO4	2					2	2		2	2		2	3				
		66.46	CO5	2					2			2	2		2	3				
SEMINAR	EE-614	84.63	CO1										3			3	2			
		84.63	CO2	3			3								3	3	2			
		84.61	CO3												3	3	2			
		84.61	CO4										3			3	2			

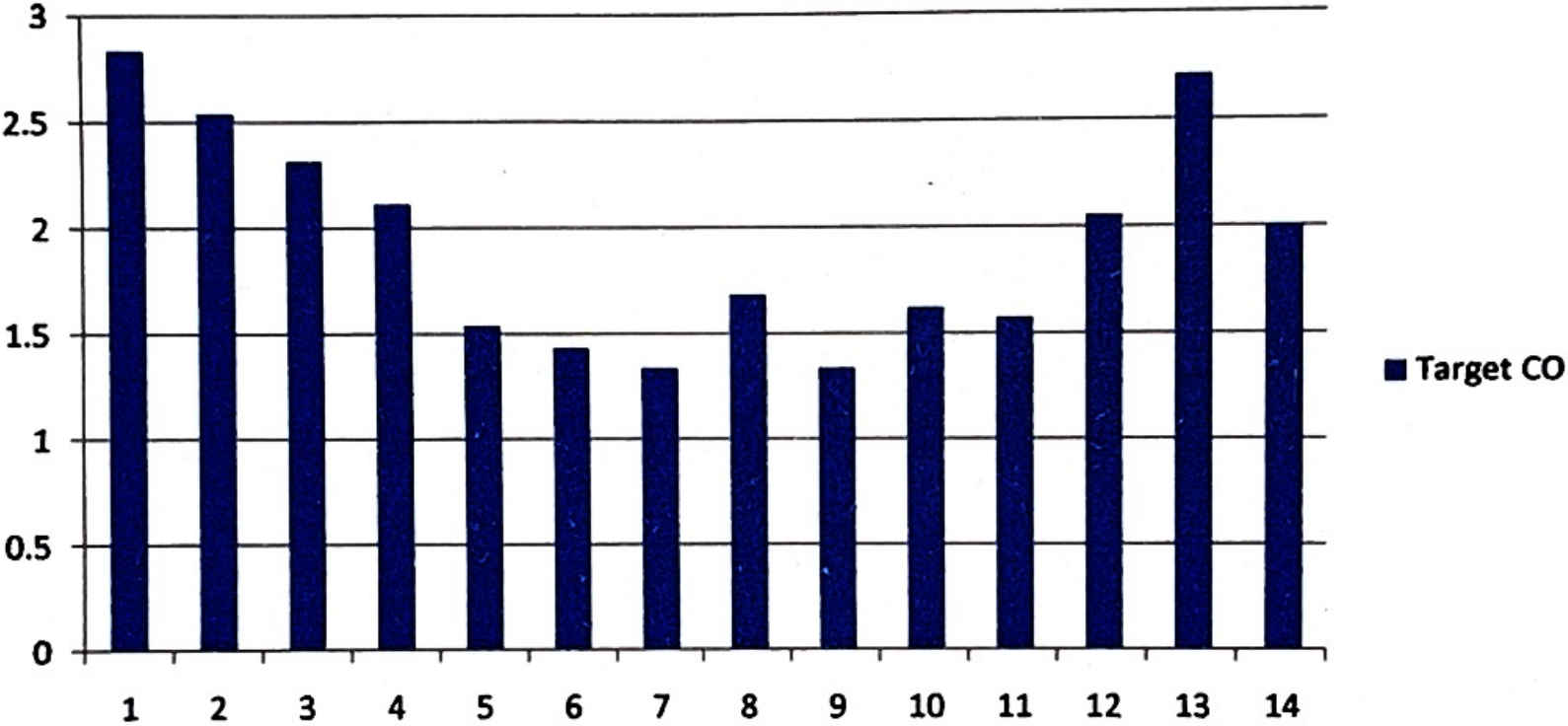
SEMESTER	VI	Digital Signal Processing	EE-621D	77.67	CO1	3							2		1			
				74.33	CO2	2			2									
				79.57	CO3		2	2	2									
				70.29	CO4			2	2		2		1					
				83.83	CO5	3	2		2	2	2							
		POWER ELECTRONICS	EE-622	81.55	CO1	3									2	2	2	
				81.38	CO2				2				2			2	2	
				78.13	CO3			2	3							2	2	
				84.48	CO4			2	2	2						2	2	
				83.19	CO5						2		2	2		2	2	
		Non Linear and Discrete Control System	EE-623	72.05	CO1			3							2	3	2	
				74.1	CO2		3									2	2	
				79	CO3		2	3								3	2	
				73.97	CO4				3						3	2	3	
				75.92	CO5		3								2	2	3	
		Microprocessor and Applications	EE-624	87.28	CO1	3	3	3	2	3	2	3	3	2	3	3	2	3
				85.77	CO2	3	3	3	2	1	N	2	2	3	3	2	3	2
				85.35	CO3	3	2	3	3	3	1	3	3	2	2	2	2	3
				86.68	CO4	2	3	2	3	3	3	2	3	2	1	2	2	2
				86.52	CO5	3	2	2	2	2	3	2	2	3	3	2	3	2
		POWER SYSTEM PROTECTION	EE-625	73.33	CO1	3	3	2	2	1	1	1	2	1			3	
				73.27	CO2	3	3	2	2	1	1	1	2	1			3	
				74.33	CO3	3	3	2	2	1	1	1	2	1			3	
				75.09	CO4	3	3	2	2	1	1	1	2	1			3	
				79.24	CO5	3	2	3	2	1	1	1	2	1			3	
		UTILIZATION OF ELECTRICAL ENERGY	EE-626	75.74	CO1	3					2					2	3	1
				76.39	CO2		3	2									3	1
				73.65	CO3			3	2		2					1	3	1
				72.73	CO4	3		1			2						3	1
				72.42	CO5				3				2	2			3	1
		Advance Simulation	EE-627	77.22	CO1			2							3		3	2
				78	CO2	3			3		2					3	3	3
				78.38	CO3							3	2			3	3	2
				78	CO4		3		2				3			3	3	2
				78.65	CO5			3		3		3				3	3	

SEMESTER	VII																				
SEMESTER	VII	Electrical Machine Design	EE-711	94.94	CO1	3		3			2					2	3				
				91.48	CO2			3											3		
				93.82	CO3		3									2				3	
				92.62	CO4		3					1								3	
				93.89	CO5				3	2										3	
		Computer Aided Power System	EE-712	82.99	CO1	3	3										2	3	3		
				77.6	CO2	3	2												3	3	
				76.02	CO3		3	2		3									3	3	
				73.74	CO4	3		3											3	3	
		ENERGY MANAGEMENT AUDITING	EE-713	85.08	CO1	3	3	2	2	1	1	1	2	1					3		
				85.2	CO2	3	3	2	2	1	1	1	2	1					3		
				85.34	CO3	3	3	2	2	1	1	1	2	1					3		
				85.39	CO4	3	3	2	2	1	1	1	2	1					3		
				85.04	CO5	3	2	3	2	1	1	1	2	1					3		
		Microcontroller and Embedded System	EE-714	84.95	CO1	3	3	2	2	1	1	1	2	1					3		
				86.18	CO2	3	3	2	2	1	1	1	2	1					3		
				85.57	CO3	3	3	2	2	1	1	1	2	1					3		
				80.64	CO4	3	3	2	2	1	1	1	2	1					3		
				82.47	CO5	3	2	3	2	1	1	1	2	1					3		
		Project-Minor	EE-715	75	CO1			2							3				3	2	
				75	CO2	3			3		2							3	3	3	
				75	CO3								3	2			3	3	3	2	
				75	CO4		3		2					3		3			3	2	
				75	CO5			3		3		3							3	3	
		POWER SYSTEM OPERATION	EE-716	73.68	CO1	3	3	2	2	1	1	1	2	1					3		
	73.51		CO2	3	3	2	2	1	1	1	2	1					3				
	71.36		CO3	3	3	2	2	1	1	1	2	1					3				
	72		CO4	3	3	2	2	1	1	1	2	1					3				
	71.36		CO5	3	2	3	2	1	1	1	2	1					3				

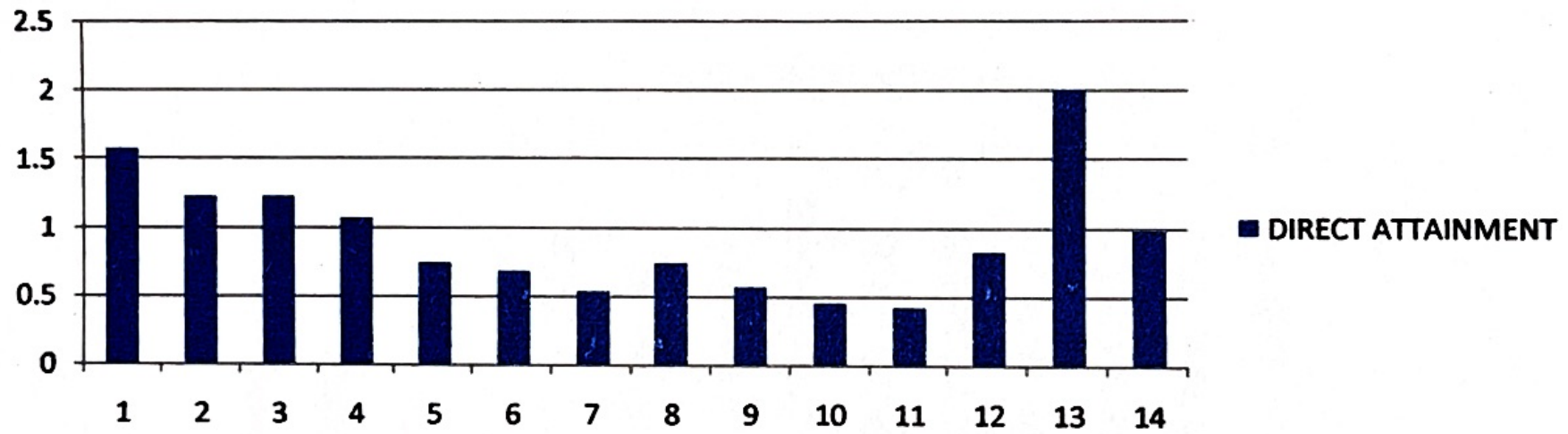
SEMESTER VIII	Optimization Techniques		EE-721B	74.74	CO1	3			3	2						1	3	3	
				74.28	CO2		3	2										3	3
				66.91	CO3				3	2								3	3
				65.6	CO4				3					2				3	3
				61.78	CO5	3	2											3	3
		High Voltage Engg		EE-722	84.25	CO1	3			2		1					2	3	1
				79.28	CO2			2			3	2						3	1
				76.52	CO3	3											1	3	1
				83.92	CO4			3					2					3	1
				83.98	CO5			3		2							3	3	1
		Electric Drives		EE-723	99.8	CO1	3		3								2	3	
				99.73	CO2			3										3	
				95.69	CO3		3								2			3	
				94.69	CO4		3				1							3	
				92.75	CO5				3	2								3	
		Project Mainr		EE-724	92.89	CO1			3	1	1	1	1	1			2	1	1
				87.79	CO2				3	1	1	1	1	1			2	2	1
			86.51	CO3				3	1	1	1	1	1			2	1	2	
			87.79	CO4				3	1	1	1	1	1			2	2	1	
			86.51	CO5				3	1	1	1	1	1			2	2	1	
	Advance Simulation Lab-II		EE-725	95.56	CO1	3		2		2						1			
			90.93	CO2			2	2	1										
			88.13	CO3				2		2					3				
			76.86	CO4	3	3													
			76.86	CO5			2		3	1									
				Target CO		2.85	2.55	2.32	2.12	1.55	1.44	1.35	1.69	1.35	1.63	1.58	2.06	2.71	2.01
				DIRECT ATTAINMENT		1.57	1.22	1.22	1.06	0.74	0.67	0.53	0.73	0.56	0.45	0.42	0.81	2.01	0.97
				INDIRECT ATTAINMENT		2.42	2.32	2.23	2.35	2.49	2.46	2.46	2.72	2.52	2.54	2.51	2.5	2.6	2.55
				TOTAL ATTAINMENT		1.74	1.44	1.422	1.318	1.09	1.028	0.916	1.128	0.952	0.868	0.838	1.148	2.128	1.286



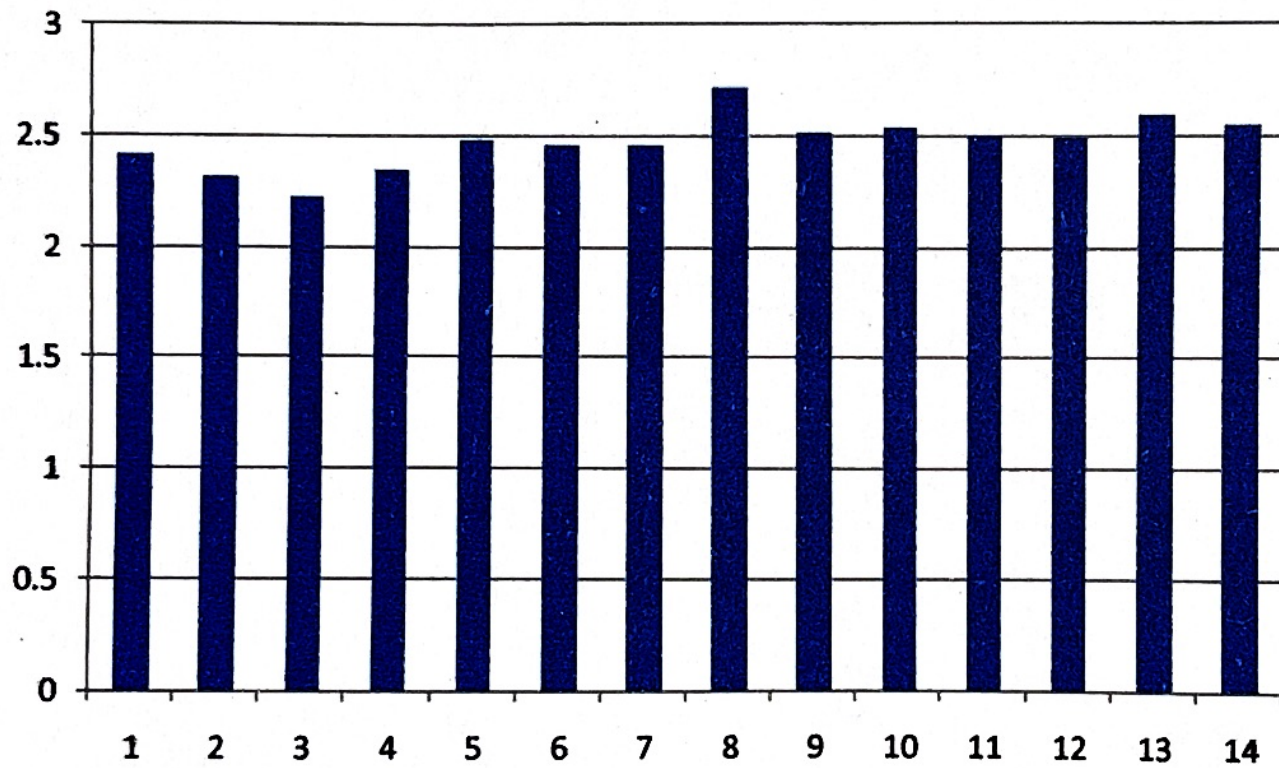
# Target CO



## DIRECT ATTAINMENT

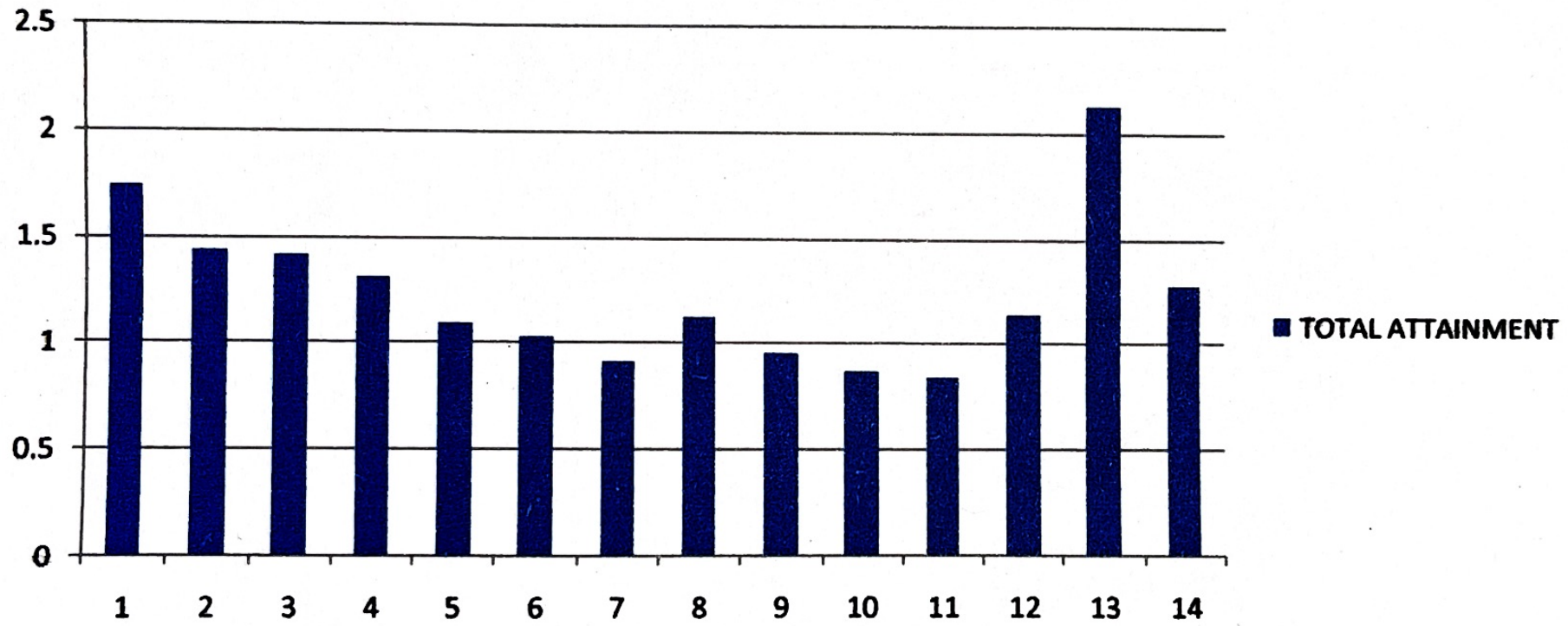


# INDIRECT ATTAINMENT



■ INDIRECT ATTAINMENT

# TOTAL ATTAINMENT



# Comparison

■ TOTAL ATTAINMENT  
■ INDIRECT ATTAINMENT  
■ DIRECT ATTAINMENT  
■ Target CO

