

TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

(A Govt. Aided General Degree College affiliated to Burdwan University and registered u/s 2(f) & 12(B) of UGC Act. 1956)
[Established in 2006 and Accredited 'B' by NAAC in 2016]

Vill-Madian, Mallarpur

PIN 731216, West Bengal

website- www.thlhmahavidyalay.ac.in



PO-Ganpur, Birbhum

Phone & Fax 03461-262175

email- tlmprincipal@gmail.com

Criterion 2 - Teaching-learning and Evaluation

2.6 Student Performance and Learning Outcomes

2.6.2 Attainment of POs and COs are evaluated

Documents

Department wise mapping and attainment of COs ,POs and PSOs



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Department Sequence for Attached Documents:

A. Language and Literature Departments

1. Bengali
2. English
3. Sanskrit
4. Santali

B. Social Science Departments

5. Geography
6. History
7. Philosophy
8. Political Science

C. Physical Education & Sports Department

9. Physical Education

D. Pure Science Departments

10. Mathematics
11. Physics
12. Chemistry



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Bengali

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	2	1	3	2	2	3	2	1	2	3	2
CO2	2	3	2	1	3	2	3	2	3	2	3	2	1	3
CO3	2	3	2	2	3	3	3	2	2	2	3	2	3	2
CO4	3	2	2	2	2	2	3	2	1	2	3	2	2	2
CO5	3	3	2	3	2	2	2	2	2	3	2	3	2	2
CO6	2	3	2	3	3	3	1	2	2	3	2	1	3	2
CO7	3	2	2	2	3	2	2	3	2	3	3	2	2	3
CO8	2	2	2	2	1	3	2	2	3	2	1	2	3	2
CO9	2	3	2	1	3	2	3	2	3	2	3	2	1	3
CO10	2	3	2	2	3	3	3	2	2	2	3	2	3	2
CO11	3	2	2	2	2	2	3	2	1	2	3	2	2	2
CO12	3	3	2	3	2	2	2	2	2	3	2	3	2	2
CO13	2	3	2	3	3	3	1	2	2	3	2	1	3	2
CO14	3	2	2	2	3	2	2	3	2	3	3	2	2	3
CO15	3	2	2	2	2	2	3	2	1	2	3	2	2	2
CO16	3	3	2	3	2	2	2	2	2	3	2	3	2	2
CO17	2	3	2	3	3	3	1	2	2	3	2	1	3	2
CO18	3	2	2	2	3	2	2	3	2	3	3	2	2	3
Average	2.43	2.57	2.00	2.14	2.43	2.43	2.29	2.14	2.14	2.43	2.43	2.00	2.29	2.29

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations									
Department of Bengali									
Academic Session 2022-23	Direct attainment							Indirect Assessment	
	Internal				External			Course Exit Survey	
	CIA1		CIA2		ESE				
Number of students who have scored more than the target (P) (Target is 60%)		34		34		33			25
Percentage of students who have achieved the target = (P/N)*100 (N is the number of students who appeared in the exam)	34	100	34	100		34	97.05882	34	73.5294118
Attainment Level (3 for >80%, 2 for >70%, 1 for >60%)	a=	3	b=	3		c=	3	d=	2
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	3		
Direct CO Attainment Level (DA) =40%CIA + 60% End-Term (c) ;					DA	=	3		
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	2		
					80 % of DA	=	2.4		
					20 % IA	=	0.4		
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	2.8		



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PO Attainment Calculations

Department of Bengali

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO1	PSO2	PSO3	PSO4	PSO5
Average Mapping (M)	2.43	2.57	2.00	2.14	2.43	2.43	2.29	2.14	2.14	2.43	2.43	2.00	2.29	2.29
PO / PSO Attainment Level	2.266667	2.4	1.866667	2	2.266667	2.266667	2.133333	2	2	2.266667	2.266667	1.866667	2.133333	2.133333



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of English

	PO1	PO2	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	3	1	2
CO2	3	2	1	3	2	3	2
CO3	3	3	3	3	3	3	3
CO4	3	2	1	1	2	1	2
CO5	3	2	3	2	3	1	2
CO6	3	2	1	3	2	3	2
CO7	3	3	3	3	3	3	3
CO8	3	2	1	1	2	1	2
CO9	3	2	3	2	3	1	2
CO10	3	2	1	3	2	3	2
CO11	3	3	3	3	3	3	3
CO12	3	2	1	1	2	1	2
CO13	3	2	3	2	3	1	2
CO14	3	2	1	3	2	3	2
CO15	3	3	3	3	3	3	3
CO16	3	2	1	1	2	1	2
CO17	3	3	3	3	3	3	3
CO18	3	2	1	1	2	1	2
Average	3.00	2.25	2.00	2.25	2.50	2.00	2.25

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations										
Department of English										
Academic Session 2022-23	Direct attainment						Indirect Assessment			
	Internal				External					
	CIA1		CIA2		ESE		Course Exit Survey			
Number of students who have scored more than the target (P) (Target is 60%)		30		30		10		20		
Percentage of students who have achieved the target = (P/N)*100 (N is the number of students who appeared in the exam)	32	93.75	32	93.75		32	31.25	32	62.5	
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	3	b=	3		c=	0	d=	1	
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	3			
Direct CO Attainment Level (DA) =40%CIA + 60% End-Term (c) ;					DA	=	1.2			
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	1			
					80 % of DA	=	0.96			
					20 % IA	=	0.2			
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	1.16			



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PO Attainment Calculations

Department of English

	PO1	PO2	PSO1	PSO2	PSO3	PSO4	PSO5
Average Mapping (M)	3.00	2.25	2.00	2.25	2.50	2.00	2.25
PO / PSO Attainment Level	1.16	0.87	0.773333	0.87	0.966667	0.773333	0.87



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Sanskrit

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	2	3	2	3	3	2	3	3	3
CO2	2	3	2	2	3	2	2	3	3	2	3	2
CO3	2	3	2	3	2	3	2	3	2	3	2	3
CO4	2	2	3	3	3	2	3	2	3	3	2	3
CO5	2	2	3	3	3	2	3	2	3	3	2	3
CO6	2	2	3	3	3	2	3	2	3	3	2	3
CO7	3	3	3	2	3	2	3	3	2	3	3	3
CO8	2	3	2	2	3	2	2	3	3	2	3	2
CO9	2	3	2	3	2	3	2	3	2	3	2	3
CO10	2	2	3	3	3	2	3	2	3	3	2	3
CO11	2	2	3	3	3	2	3	2	3	3	2	3
CO12	2	2	3	3	3	2	3	2	3	3	2	3
CO13	3	3	3	2	3	2	3	3	2	3	3	3
CO14	2	3	2	2	3	2	2	3	3	2	3	2
CO15	2	3	2	3	2	3	2	3	2	3	2	3
CO16	2	2	3	3	3	2	3	2	3	3	2	3
CO17	2	2	3	3	3	2	3	2	3	3	2	3
CO18	2	2	3	3	3	2	3	2	3	3	2	3
Average	2.25	2.75	2.50	2.50	2.75	2.25	2.50	2.75	2.50	2.75	2.50	2.75

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations										
Department of Sanskrit										
Academic Session 2022-23	Direct attainment						Indirect Assessment			
	Internal				External		Course Exit Survey			
	CIA1		CIA2		ESE					
Number of students who have scored more than the target (P) (Target is 60%)		5		5		4		4		
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	8	62.5	8	62.5		8	50	8	50	
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	1	b=	1		c=	0	d=	0	
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	1			
Direct CO Attainment Level (DA) =40%CIA + 60% End-Term (c) ;					DA	=	0.4			
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	0			
					80 % of DA	=	0.32			
					20 % IA	=	0			
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	0.32			



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PO Attainment Calculations

Department of Sanskrit

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
Average Mapping (M)	2.25	2.75	2.50	2.50	2.75	2.25	2.50	2.75	2.50	2.75	2.50	2.75
PO / PSO Attainment Level	0.24	0.293333	0.266667	0.266667	0.293333	0.24	0.266667	0.293333	0.266667	0.293333	0.266667	0.293333



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Santali

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	3	3	1	1	1	2
CO2	3	2	2	2	2	3	3	3	2
CO3	2	3	3	2	3	2	2	3	2
CO4	3	3	3	2	3	3	3	3	3
CO5	2	3	3	3	2	3	3	3	3
CO6	1	2	3	3	2	2	3	3	2
CO7	3	2	2	2	3	2	3	3	1
CO8	2	3	2	3	3	2	3	3	3
CO9	3	2	3	3	2	3	2	2	2
CO10	2	3	3	2	3	2	3	3	3
CO11	3	3	2	2	3	3	2	2	2
CO12	2	3	2	2	3	3	2	3	3
CO13	3	2	2	3	2	3	3	2	2
CO14	2	2	3	2	3	3	3	2	3
CO15	2	3	3	2	3	2	3	3	2
CO16	2	3	3	2	3	3	3	3	3
CO17	2	2	3	3	2	2	2	2	3
CO18	1	2	2	2	3	2	3	3	2
Average	2.40	2.53	2.53	2.40	2.67	2.47	2.60	2.60	2.33

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations										
Department of Santali										
Academic Session 2022-23	Direct attainment						Indirect Assessment			
	Internal				External		Course Exit Survey			
	CIA1	CIA2			ESE					
Number of students who have scored more than the target (P) (Target is 60%)		17		17		17			15	
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	20	85	20	85	20	85	20		75	
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	3	b=	3	c=	3	d=		2	
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	3			
Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c) ;					DA	=	3			
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	2			
					80 % of DA	=	2.4			
					20 % IA	=	0.4			
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	2.8			



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PO Attainment Calculations

Department of Santali

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5
Average Mapping (M)	2.40	2.53	2.53	2.40	2.67	2.47	2.60	2.60	2.33
PO / PSO Attainment Level	2.24	2.364444	2.364444	2.24	2.488889	2.302222	2.426667	2.426667	2.177778



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Geography

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	3	3	2	3	3
CO2	2	3	2	2	3	3	3	3
CO3	2	2	3	2	3	2	2	2
CO4	3	3	3	2	2	3	2	3
CO5	3	3	2	2	3	3	2	3
CO6	2	3	2	3	2	2	2	2
CO7	2	3	2	1	1	2	3	3
CO8	2	3	2	2	3	3	3	3
CO9	2	2	3	2	3	2	2	2
CO10	2	3	2	3	3	2	3	3
CO11	2	1	2	2	3	3	3	3
CO12	2	2	3	2	3	2	2	2
CO13	3	2	3	1	1	1	3	1
CO14	3	3	2	3	3	2	3	3
CO15	3	2	2	1	1	2	3	1
CO16	2	3	2	3	3	2	3	3
CO17	2	3	2	2	3	3	3	3
CO18	2	2	3	2	3	2	2	2
Average	2.33	2.53	2.33	2.07	2.47	2.27	2.60	2.47

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations

Department of Geography

Academic Session 2022-23	Direct attainment						Indirect Assessment		
	Internal				External		Course Exit Survey		
	CIA1		CIA2		ESE				
Number of students who have scored more than the target (P) (Target is 60%)		24		24		24		20	
Percentage of students who have achieved the target = $(P/N) \times 100$ (N is the number of students who appeared in the exam)	26	92.30769	26	92.308		26	92.30769	26	76.9230769
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	3	b=	3		c=	3	d=	2
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	3		
Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c) ;					DA	=	3		
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	2		
					80 % of DA	=	2.4		
					20 % IA	=	0.4		
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	2.8		



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PO Attainment Calculations

Department of Geography

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
Average Mapping (M)	2.33	2.53	2.33	2.07	2.47	2.27	2.60	2.47
PO / PSO Attainment Level	2.177778	2.364444	2.177778	1.928889	2.302222	2.115556	2.426667	2.302222



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of History

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	3
CO2	2	3	3	2	2	3	2	3	2	2	3	2	3	2	2	3	3
CO3	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	3
CO4	3	3	3	2	2	3	3	2	3	3	2	2	3	3	2	2	3
CO5	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	3
CO6	3	3	2	3	2	3	2	3	3	3	2	3	3	3	3	2	3
CO7	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	3
CO8	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	3
CO9	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	3
CO10	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	3
CO11	3	3	3	2	2	3	3	2	3	3	2	2	3	3	2	2	3
CO12	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	2
CO13	3	3	3	2	2	3	3	2	3	3	2	2	3	3	2	2	1
CO14	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	3
CO15	3	3	3	2	2	2	3	2	3	3	2	2	3	3	2	2	3
CO16	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	1
CO17	2	3	2	2	2	2	2	2	3	2	3	3	2	2	2	2	2
CO18	2	2	2	2	2	1	2	2	2	2	2	2	1	1	1	3	1
Average	2.93	2.40	2.93	2.07	2.60	2.93	2.27	2.73	2.33	2.93	2.07	2.67	2.40	2.93	2.07	2.67	2.80

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations

Department of History

Academic Session 2022-23	Direct attainment						Indirect Assessment		
	Internal				External		Course Exit Survey		
	CIA1		CIA2		ESE				
Number of students who have scored more than the target (P) (Target is 60%)		23		23		23		20	
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	30	76.66667	30	76.667		30	76.66667	30	66.666667
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	2	b=	2		c=	2	d=	1
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	2		
Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c) ;					DA	=	2		
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	1		
					80 % of DA	=	1.6		
					20 % IA	=	0.2		
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	1.8		



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	PO Attainment Calculations																
	Department of History																
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
Average Mapping (M)	2.93	2.40	2.93	2.07	2.60	2.93	2.27	2.73	2.33	2.93	2.07	2.67	2.40	2.93	2.07	2.67	2.80
PO / PSO Attainment Level	1.76	1.44	1.76	1.24	1.56	1.76	1.36	1.64	1.4	1.76	1.24	1.6	1.44	1.76	1.24	1.6	1.68



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Philosophy

	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	1	2	2	2	2	2	3	2
CO2	2	1	2	2	2	2	3	2	2
CO3	2	1	2	1	3	3	3	2	2
CO4	2	2	2	2	2	3	2	3	3
CO5	2	1	1	1	2	2	3	3	3
CO6	2	1	1	1	2	2	3	3	2
CO7	2	2	3	3	3	3	2	2	2
CO8	2	3	3	3	3	3	3	3	3
CO9	2	1	2	1	2	3	2	2	2
CO10	1	1	1	2	3	3	2	3	3
CO11	3	1	3	3	2	2	3	2	2
CO12	2	1	3	1	2	2	3	2	3
CO13	2	1	3	2	3	2	2	2	2
CO14	2	1	1	2	3	3	2	3	3
CO15	2	1	2	1	2	3	3	2	3
CO16	2	1	1	2	3	2	2	3	2
CO17	2	1	1	1	2	2	3	2	2
CO18	2	3	3	2	2	3	2	3	3
Avarage	2.00	1.33	2.00	1.78	2.39	2.50	2.50	2.50	2.44

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations										
Department of Philosophy										
Academic Session 2022-23	Direct attainment						Indirect Assessment			
	Internal				External		Course Exit Survey			
	CIA1		CIA2		ESE		Course Exit Survey			
Number of students who have scored more than the target (P) (Target is 60%)		2		2		2			2	
Percentage of students who have achieved the target = (P/N)*100 (N is the number of students who appeared in the exam)	2	100	2	100		2	100	2	100	
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	3	b=	3		c=	3	d=	3	
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	3			
Direct CO Attainment Level (DA) =40%CIA + 60% End-Term (c) ;					DA	=	3			
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	3			
					80 % of DA	=	2.4			
					20 % IA	=	0.6			
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	3			



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PO Attainment Calculations

Department of Philosophy

	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Average Mapping (M)	2.00	1.33	2.00	1.78	2.39	2.50	2.50	2.50	2.44
PO / PSO Attainment Level	2	1.333333	2	1.777778	2.388889	2.5	2.5	2.5	2.444444



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Political Science

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	2	3	3	3	3
CO2	2	3	2	3	2	2	2	3	2
CO3	2	3	3	2	3	2	3	2	3
CO4	2	2	3	3	2	3	3	2	3
CO5	2	2	3	3	2	3	3	2	3
CO6	2	2	3	3	2	3	3	2	3
Average	2.25	2.75	2.50	2.75	2.25	2.50	2.75	2.50	2.75

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations										
Department of Political Science										
Academic Session 2022-23	Direct attainment						Indirect Assessment			
	Internal				External		Course Exit Survey			
	CIA1		CIA2		ESE					
Number of students who have scored more than the target (P) (Target is 60%)		148		148		148		150		
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	407	36.36364	407	36.364		407	36.36364	407	36.8550369	
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	0	b=	0		c=	0	d=	0	
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	0			
Direct CO Attainment Level (DA) =40%CIA + 60% End-Term (c) ;					DA	=	0			
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	0			
					80 % of DA	=	0			
					20 % IA	=	0			
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	0			



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PO Attainment Calculations									
Department of Political Science									
	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5
Average Mapping (M)	2.25	2.75	2.50	2.75	2.25	2.50	2.75	2.50	2.75
PO / PSO Attainment Level	0	0	0	0	0	0	0	0	0



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Physical Education

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	2	3	3	3	3
CO2	2	3	2	3	2	2	2	3	2
CO3	2	3	3	2	3	2	3	2	3
CO4	2	2	3	3	2	3	3	2	3
CO5	2	2	3	3	2	3	3	2	3
CO6	2	2	3	3	2	3	3	2	3
Average	2.25	2.75	2.50	2.75	2.25	2.50	2.75	2.50	2.75

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations										
Department of Physical Education										
Academic Session 2022-23	Direct attainment						Indirect Assessment			
	Internal				External		Course Exit Survey			
	CIA1		CIA2		ESE					
Number of students who have scored more than the target (P) (Target is 60%)		20		20		18		20		
Percentage of students who have achieved the target = $(P/N) \times 100$ (N is the number of students who appeared in the exam)	37	54.05405	37	54.054		37	48.64865	37	54.0540541	
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	0	b=	0		c=	0	d=	0	
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	0			
Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c) ;					DA	=	0			
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	0			
					80 % of DA	=	0			
					20 % IA	=	0			
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	0			



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PO Attainment Calculations									
Department of Physical Education									
	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5
Average Mapping (M)	2.25	2.75	2.50	2.75	2.25	2.50	2.75	2.50	2.75
PO / PSO Attainment Level	0	0	0	0	0	0	0	0	0



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Mathematics

	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	2	1	3	3	1	1	2	1
CO2	1	3	2	3	2	1	3	2	1
CO3	1	1	3	1	1	3	1	2	3
CO4	3	2	3	3	3	3	2	3	1
CO5	3	2	1	3	3	1	1	2	1
CO6	1	3	2	3	2	1	3	2	1
CO7	1	1	3	1	1	3	1	2	3
CO8	3	2	3	3	3	3	2	3	1
CO9	3	2	1	3	3	1	1	2	1
CO10	1	3	2	3	2	1	3	2	1
CO11	1	1	3	1	1	3	1	2	3
CO12	3	2	3	3	3	3	2	3	1
CO13	3	2	1	3	3	1	1	2	1
CO14	1	3	2	3	2	1	3	2	1
CO15	1	1	3	1	1	3	1	2	3
CO16	3	2	3	3	3	3	2	3	1
CO17	3	2	1	3	3	1	1	2	1
CO18	1	3	2	3	2	1	3	2	1
Average	2.00	2.00	2.25	2.50	2.25	2.00	1.75	2.25	1.50

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations									
Department of Mathematics									
Academic Session 2022-23	Direct attainment						Indirect Assessment		
	Internal				External		Course Exit Survey		
	CIA1		CIA2		ESE				
Number of students who have scored more than the target (P) (Target is 60%)		7		7		7		5	
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	7	100	7	100		7	100	7	71.4285714
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	3	b=	3		c=	3	d=	2
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	3		
Direct CO Attainment Level (DA) = $40\%CIA + 60\%$ End-Term (c) ;					DA	=	3		
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	2		
					80 % of DA	=	2.4		
					20 % IA	=	0.4		
CO Attainment Level (COA) = $80\% DA + 20\% IA$;					COA	=	2.8		



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PO Attainment Calculations

Department of Mathematics

	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Average Mapping (M)	2.00	2.00	2.25	2.50	2.25	2.00	1.75	2.25	1.50
PO / PSO Attainment Level	1.866667	1.866667	2.1	2.333333	2.1	1.866667	1.633333	2.1	1.4



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Physics

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	2	1	2	1	2	3	2
CO2	2	3	2	1	3	2	3	2	1	3
CO3	2	3	2	2	3	2	3	2	3	2
CO4	3	2	2	2	2	2	3	2	2	2
CO5	3	3	2	3	2	3	2	3	2	2
CO6	2	3	2	3	3	3	2	3	3	2
Average	2.50	2.67	2.00	2.17	2.33	2.33	2.33	2.33	2.33	2.17

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations										
Department of Physics										
Academic Session 2022-23	Direct attainment						Indirect Assessment			
	Internal				External					
	CIA1		CIA2		ESE		Course Exit Survey			
Number of students who have scored more than the target (P) (Target is 60%)		1		1		1			1	
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	1	100	1	100		1	100	1	100	
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	3	b=	3		c=	3	d=	3	
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	3			
Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c) ;					DA	=	3			
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	3			
					80 % of DA	=	2.4			
					20 % IA	=	0.6			
CO Attainment Level (COA) = 80 % DA+ 20 % IA;					COA	=	3			



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PO Attainment Calculations

Department of Physics

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Average Mapping (M)	2.50	2.67	2.00	2.17	2.33	2.33	2.33	2.33	2.33	2.17
PO / PSO Attainment Level	2.5	2.666667	2	2.166667	2.333333	2.333333	2.333333	2.333333	2.333333	2.166667



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COURSE OUTCOMES (CO) MAPPING WITH PROGRAM OUTCOMES (PO) AND PROGRAM SPECIFIC OUTCOMES (PSO)

Department of Chemistry

	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	2	1	3	2	1	2	3	2
CO2	2	3	2	1	3	2	2	3	2	1	3
CO3	2	3	2	2	3	3	2	3	2	3	2
CO4	3	2	2	2	2	2	2	3	2	2	2
CO5	3	3	2	3	2	2	3	2	3	2	2
CO6	2	3	2	3	3	3	3	2	1	3	2
Avarage	2.33	2.67	2.00	2.17	2.33	2.50	2.33	2.33	2.00	2.33	2.17

3-HIGH (corresponds to a high correlation) 2-MEDIUM (corresponds to a medium correlation) 1-LOW (corresponds to a low correlation) between CO and PO/PSO



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CO Attainment Calculations

Department of Chemistry

Academic Session 2022-23	Direct attainment						Indirect Assessment		
	Internal				External				
	CIA1		CIA2		ESE		Course Exit Survey		
Number of students who have scored more than the target (P) (Target is 60%)	1	1	1	1	1	1	1	1	
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	1	100	1	100	1	100	1	100	
Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a=	3	b=	3	c=	3	d=	3	
Attainment based on internal assessment (CIA) = Average of (a and b);					CIA	=	3		
Direct CO Attainment Level (DA) = $40\%CIA + 60\% \text{ End-Term (c)}$;					DA	=	3		
Indirect CO Attainment Level (IA) (based on Exit Survey (d));					IA	=	3		
					80 % of DA	=	2.4		
					20 % IA	=	0.6		
CO Attainment Level (COA) = $80 \% DA+ 20 \% IA$;					COA	=	3		



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PO Attainment Calculations

Department of Chemistry

	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
Average Mapping (M)	2.33	2.67	2.00	2.17	2.33	2.50	2.33	2.33	2.00	2.33	2.17
PO / PSO Attainment Level	2.333333	2.666667	2	2.166667	2.333333	2.5	2.333333	2.333333	2	2.333333	2.166667



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