

CO-PO Attainment

CC1

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation /Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
C01	2	1	3	2	1	3	1	3	3	2	0	3	2	1	3
C02	3	1	3	2	1	2	2	3	2	2	1	3	0	2	0
C03	3	2	3	2	2	1	1	3	2	3	1	3	1	0	0
C04	2	1	3	3	3	3	2	3	1	2	1	3	1	3	1
CO	2.5	1.25	3	2.25	1.75	2.25	1.5	3	2	2.25	1	3	1.333	2	2

TARGET

GAP			0.125	0.0625	0.15	0.1125	0.0875	0.1125	0.075	0.15	0.1	0.1125	0.05	0.15	0.0667	0.1	0.1
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CO-PO Attainment

CC2

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi-cultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
C01	2	1	2	1	1	1	2	3	2	1	0	3	0	2	0
C02	2	2	2	2	1	1	2	3	1	1	1	3	0	2	1
C03	3	2	2	2	3	2	2	3	3	1	1	3	3	3	3
C04	2	1	2	2	1	1	2	3	1	1	0	3	2	3	2
TARGET	2.25	1.5	2	1.75	1.5	1.25	2	3	1.75	1	1	3	2.5	2.5	2

CC2

Attained

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
3 CO1	2	1	2	1	1	1	2	3	2	1	0	3	0	2	0
CO2	2	2	2	2	1	1	2	3	1	1	1	3	0	2	1
CO3	3	2	2	2	3	2	2	3	3	1	1	3	3	3	3
CO4	2	1	2	2	1	1	2	3	1	1	0	3	2	3	2
CO	2.25	1.5	2	1.75	1.5	1.25	2	3	1.75	1	1	3	2.5	2.5	2

CC3

CO-PO Attainment

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CO1	1	0	2	0	1	1	1	3	0	1	0	3	1	1	0
CO2	2	1	2	2	2	3	2	3	2	3	2	3	1	3	2
CO3	1	1	2	1	1	1	1	3	0	1	0	3	1	2	3
CO4	1	1	3	1	1	1	1	3	1	1	0	3	1	2	0
TARGET CO	1.25	1	2.25	1.333	1.25	1.5	1.25	3	1.5	1.5	2	3	1	2	2.5

TARGET

CC4
CO-PO Attainment

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge:	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation /Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CO1	2	0	2	1	1	1	1	3	0	1	0	3	2	1	3
CO2	2	1	2	1	1	1	1	3	2	1	0	3	1	3	0
CO3	2	1	2	1	1	1	1	3	2	1	0	3	1	2	2
CO4	2	1	3	1	1	1	1	3	0	1	0	3	2	1	0
CO	2	1	2.25	1	1	1	1	3	2	1	0	3	1.5	1.75	2.5

TARGET

CO-PO Attainment

CC5

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CO1	1	1	2	1	1	1	1	3	0	1	1	3	1	0	3
CO2	1	1	2	1	1	1	1	3	1	2	0	3	1	0	3
CO3	2	2	3	2	1	1	1	3	1	1	0	3	1	1	2
CO4	2	1	3	1	1	1	1	3	1	1	0	3	1	1	2
CO	1.5	1.25	2.5	1.25	1	1	1	3	1	1.25	1	3	1	1	2.5

TARGET

Attained

Course Outcome	Programme Outcome (PO)	Programme Specific Outcome (PSO1)
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CO-PO Attainment

CC6

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CO1	2	0	3	1	1	1	1	3	2	0	0	3	3	1	2
CO2	1	2	3	1	1	1	1	3	0	1	0	3	2	1	2
CO3	1	0	3	0	1	1	1	3	0	1	0	3	0	0	3
CO4	2	2	3	1	1	1	1	3	1	1	0	3	1	2	2
CO	1.5	2	3	1	1	1	1	3	1.5	1	0	3	2	1.333	2.25

TARGET

CO-PO Attainment

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
cc7															
C01	2	1	2	1	1	1	1	3	2	2	0	3	2	3	0
C02	1	0	2	1	2	1	1	3	2	2	0	3	1	1	0
C03	1	0	2	1	1	1	1	3	1	1	0	3	1	1	0
C04	2	2	3	1	1	1	1	3	2	2	0	3	1	2	3
TARGET	1.5	1.5	2.25	1	1.25	1	1	3	1.75	1.75	0	3	1.25	1.75	3

Attained

CC7

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
2.9	CO1	1.933	0.967	1.933	0.967	0.967	0.967	0.967	2.9	1.933	1.933	0	2.9	1.933	2.9	0
	CO2	0.967	0	1.933	0.967	1.933	0.967	0.967	2.9	1.933	1.933	0	2.9	0.967	0.967	0
	CO3	0.967	0	1.933	0.967	0.967	0.967	0.967	2.9	0.967	0.967	0	2.9	0.967	0.967	0
	CO4	1.933	1.933	2.9	0.967	0.967	0.967	0.967	2.9	1.933	1.933	0	2.9	0.967	1.933	2.9
	CO	1.45	1.45	2.175	0.967	1.208	0.967	0.967	2.9	1.692	1.692	0	2.9	1.208	1.692	2.9

TARGET		CO	1.5	1.5	2.25	1	1.25	1	1	3	1.75	1.75	0	3	1.25	1.75	3
Attained		CO	1.45	1.45	2.175	0.9667	1.2083	0.9667	0.9667	2.9	1.6917	1.6917	0	2.9	1.2083	1.6917	2.9
GAP			0.05	0.05	0.075	0.0333	0.0417	0.0333	0.0333	0.1	0.0583	0.0583	0	0.1	0.0417	0.0583	0.1

CO-PO Attainment

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
cc8															
CO1	2	0	1	0	1	0	1	3	0	2	0	3	3	1	3
CO2	1	0	1	0	1	0	1	3	0	2	0	3	2	3	2
CO3	1	0	1	0	1	0	1	3	0	2	0	3	0	0	1
CO4	2	2	1	0	1	0	1	3	0	2	0	3	1	2	2
TARGET	1.5	2	1	0	1	0	1	3	0	2	0	3	2	2	2

Attained CC8

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
2.05	CO1	1.367	0	0.683	0	0.683	0	0.683	2.05	0	1.367	0	2.05	2.05	0.683	2.05
	CO2	0.683	0	0.683	0	0.683	0	0.683	2.05	0	1.367	0	2.05	1.367	2.05	1.367
	CO3	0.683	0	0.683	0	0.683	0	0.683	2.05	0	1.367	0	2.05	0	0	0.683
	CO4	1.367	1.367	0.683	0	0.683	0	0.683	2.05	0	1.367	0	2.05	0.683	1.367	1.367
	CO	1.025	1.367	0.683	0	0.683	0	0.683	2.05	0	1.367	0	2.05	1.367	1.367	1.367

TARGET		CO	1.5	2	1	0	1	0	1	3	0	2	0	3	2	2	2
Attained		CO	1.025	1.3667	0.6833	0	0.6833	0	0.6833	2.05	0	1.3667	0	2.05	1.3667	1.3667	1.3667
GAP			0.475	0.6333	0.3167	0	0.3167	0	0.3167	0.95	0	0.6333	0	0.95	0.6333	0.6333	0.6333

CO-PO Attainment

e Outco me	Programme Outcome (PO)												Programme Specific Outcome (PS01)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	4.Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PS01	PS02	PS03
CO1	1	1	2	1	1	0	2	3	0	0	0	3	2	3	0
CO2	1	1	2	1	1	1	1	3	0	0	0	3	1	1	2
CO3	1	0	1	0	1	0	1	3	0	0	0	3	1	0	3
CO4	1	2	2	1	1	0	1	3	0	0	0	3	2	3	3
TARGET CO	1	1.333	1.75	1	1	1	1.25	3	0	0	0	3	1.5	2.333	2.667

TARGET

Attained

e Outco me	Programme Outcome (PO)												Programme Specific Outcome (PS01)		
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	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	4.Res earch- relate d skills / Scient ific reaso	PO 5: Com muni cation Skills	PO 6: Coop eration/ Team work	PO 7: Infor matio n/dig ital litera cy:	PO 8: Self- direct ed learn ing	PO 9: Multi cultu ral comp etenc e	10: Moral and ethic al awar eness / reas oning	PO 11: Leade rship readi ness/ qualit ies	PO 12: Lifelo ng learni ng	PSO1	PSO2	PSO3
1.4	CO1	0.467	0.467	0.933	0.467	0	0.933	1.4	0	0	0	1.4	0.933	1.4	0
	CO2	0.467	0.467	0.933	0.467	0.467	0.467	1.4	0	0	0	1.4	0.467	0.467	0.933
	CO3	0.467	0	0.467	0	0	0.467	1.4	0	0	0	1.4	0.467	0	1.4
	CO4	0.467	0.933	0.933	0.467	0	0.467	1.4	0	0	0	1.4	0.933	1.4	1.4
	CO	0.467	0.622	0.817	0.467	0.467	0.583	1.4	0	0	0	1.4	0.7	1.089	1.244

TARGET	CO	1	1.333	1.75	1	1	1	1.25	3	0	0	0	3	1.5	2.333	2.667
Attained	CO	0.4667	0.6222	0.8167	0.4667	0.4667	0.4667	0.5833	1.4	0	0	0	1.4	0.7	1.0889	1.2444
GAP		0.5333	0.7111	0.9333	0.5333	0.5333	0.5333	0.6667	1.6	0	0	0	1.6	0.8	1.2444	1.4222

CO-PO Attainment

e Outcome	Programme Outcome (PO)												Programme Specific Outcome (PS01)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	4.Research- related skills /Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation /Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership reading/qualities	PO 12: Lifelong learning	PS01	PS02	PS03
C01	1	0	2	0	1	0	1	3	0	1	0	3	3	1	2
C02	1	0	2	1	1	0	1	3	0	1	0	3	3	0	1
C03	2	0	2	1	1	0	1	3	0	1	0	3	2	1	2
C04	1	2	2	1	1	0	1	3	1	1	0	3	3	1	0
TARGET CO	1.25	2	2	1	1	0	1	3	1	1	0	3	2.75	1	1.667

TARGET

Attained

e Outcome	Programme Outcome (PO)												Programme Specific Outcome (PS01)		
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	PO 1: Disciplinary knowledge:	PO 2: Problem solving	PO 3: Critical thinking	4.Research- related skills /Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation /Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness/ reasoning	PO 11: Leadership reading/ qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
1.2	CO1	0.4	0	0.8	0	0.4	0	0.4	1.2	0	0.4	0	1.2	1.2	0.4	0.8
	CO2	0.4	0	0.8	0.4	0.4	0	0.4	1.2	0	0.4	0	1.2	1.2	0	0.4
	CO3	0.8	0	0.8	0.4	0.4	0	0.4	1.2	0	0.4	0	1.2	0.8	0.4	0.8
	CO4	0.4	0.8	0.8	0.4	0.4	0	0.4	1.2	0.4	0.4	0	1.2	1.2	0.4	0
	CO	0.5	0.8	0.8	0.4	0.4	0	0.4	1.2	0.4	0.4	0	1.2	1.1	0.4	0.667

TARGET		CO	1.25	2	2	1	1	0	1	3	1	1	0	3	2.75	1	1.667
Attained		CO	0.5	0.8	0.8	0.4	0.4	0	0.4	1.2	0.4	0.4	0	1.2	1.1	0.4	0.6667
GAP			0.75	1.2	1.2	0.6	0.6	0	0.6	1.8	0.6	0.6	0	1.8	1.65	0.6	1

CO-PO Attainment

e Outcome	Programme Outcome (PO)												Programme Specific Outcome (PS01)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	4.Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PS01	PS02	PS03
CO1	1	1	2	1	1	0	1	3	1	1	0	3	0	1	3
CO2	1	1	2	1	1	0	1	3	1	1	0	3	2	3	3
CO3	2	0	2	1	1	0	1	3	1	1	0	3	0	2	3
CO4	1	0	2	0	1	0	1	3	1	1	0	3	1	1	0
TARGET CO	1.25	1	2	1	1	0	1	3	1	1	0	3	1.5	1.75	3

Attained

e Outcome	Programme Outcome (PO)												Programme Specific Outcome (PS01)		
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	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	4.Res earch- relate d skills / Scient ific reaso	PO 5: Com muni cation Skills	PO 6: Coop eration/ Team work	PO 7: Infor matio n/dig ital litera cy:	PO 8: Self- direct ed learni ng	PO 9: Multi cultu ral comp etenc e	10: Moral and ethic al awar eness / reas oning	PO 11: Leade rship readi ness/ qualit ies	PO 12: Lifelo ng learni ng	PSO1	PSO2	PSO3	
2	CO1	0.667	0.667	1.333	0.667	0.667	0	0.667	2	0.667	0.667	0	2	0	0.667	2
	CO2	0.667	0.667	1.333	0.667	0.667	0	0.667	2	0.667	0.667	0	2	1.333	2	2
	CO3	1.333	0	1.333	0.667	0.667	0	0.667	2	0.667	0.667	0	2	0	1.333	2
	CO4	0.667	0	1.333	0	0.667	0	0.667	2	0.667	0.667	0	2	0.667	0.667	0
	CO	0.833	0.667	1.333	0.667	0.667	0	0.667	2	0.667	0.667	0	2	1	1.167	2

TARGET	CO	1.25	1	2	1	1	0	1	3	1	1	0	3	1.5	1.75	3
Attained	CO	0.8333	0.6667	1.3333	0.6667	0.6667	0	0.6667	2	0.6667	0.6667	0	2	1	1.1667	2
GAP		0.4167	0.3333	0.6667	0.3333	0.3333	0	0.3333	1	0.3333	0.3333	0	1	0.5	0.5833	1

CO-PO Attainment

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CC12															
C01	2	0	2	1	1	0	1	3	1	2	0	3	2	0	0
C02	2	0	2	1	1	0	1	3	1	1	0	3	2	3	2
C03	2	0	2	1	1	0	1	3	1	2	0	3	2	3	0
C04	2	1	2	1	1	1	1	3	1	2	0	3	1	3	2
TARGET	2	1	2	1	1	1	1	3	1	1.75	0	3	1.75	3	2

Attainec CC12

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
2.2	CO1	1.467	0	1.467	0.733	0.733	0	0.733	2.2	0.733	1.467	0	2.2	1.467	0	0
	CO2	1.467	0	1.467	0.733	0.733	0	0.733	2.2	0.733	0.733	0	2.2	1.467	2.2	1.467
	CO3	1.467	0	1.467	0.733	0.733	0	0.733	2.2	0.733	1.467	0	2.2	1.467	2.2	0
	CO4	1.467	0.733	1.467	0.733	0.733	0.733	0.733	2.2	0.733	1.467	0	2.2	0.733	2.2	1.467
	CO	1.467	0.733	1.467	0.733	0.733	0.733	0.733	2.2	0.733	1.283	0	2.2	1.283	2.2	1.467

TARGET	CO	2	1	2	1	1	1	1	3	1	1.75	0	3	1.75	3	2
Attained	CO	1.4667	0.7333	1.4667	0.7333	0.7333	0.7333	0.7333	2.2	0.7333	1.2833	0	2.2	1.2833	2.2	1.4667
GAP		0.5333	0.2667	0.5333	0.2667	0.2667	0.2667	0.2667	0.8	0.2667	0.4667	0	0.8	0.4667	0.8	0.5333

CC13 CO-PO Attainment

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CO1	2	0	2	1	1	0	1	3	1	2	0	3	0	2	0
CO2	2	0	2	1	1	0	1	3	1	2	0	3	2	3	3
CO3	2	1	2	1	1	0	1	3	1	2	0	3	1	3	0
CO4	2	0	2	1	1	1	1	3	2	3	0	3	3	3	2
CO	2	1	2	1	1	1	1	3	1.25	2.25	0	3	2	2.75	2.5

TARGET

Attained CC13

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
1.25	CO1	0.833	0	0.833	0.417	0.417	0	0.417	1.25	0.417	0.833	0	1.25	0	0.833	0
	CO2	0.833	0	0.833	0.417	0.417	0	0.417	1.25	0.417	0.833	0	1.25	0.833	1.25	1.25
	CO3	0.833	0.417	0.833	0.417	0.417	0	0.417	1.25	0.417	0.833	0	1.25	0.417	1.25	0
	CO4	0.833	0	0.833	0.417	0.417	0.417	0.417	1.25	0.833	1.25	0	1.25	1.25	1.25	0.833
	CO	0.833	0.417	0.833	0.417	0.417	0.417	0.417	1.25	0.521	0.938	0	1.25	0.833	1.146	1.042

TARGET		CO	2	1	2	1	1	1	1	3	1.25	2.25	0	3	2	2.75	2.5
Attained		CO	0.8333	0.4167	0.8333	0.4167	0.4167	0.4167	0.4167	1.25	0.5208	0.9375	0	1.25	0.8333	1.1458	1.0417
GAP			1.1667	0.5833	1.1667	0.5833	0.5833	0.5833	0.5833	1.75	0.7292	1.3125	0	1.75	1.1667	1.6042	1.4583

CO-PO Attainment

CC14

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
C01	2	0	2	1	1	0	1	3	1	2	0	3	2	0	2
C02	2	0	2	1	1	0	1	3	1	2	0	3	3	2	2
C03	2	0	2	1	1	0	1	3	1	2	0	3	1	3	1
C04	2	0	2	1	1	0	1	3	2	2	0	3	3	0	0
CO	2	0	2	1	1	0	1	3	1.25	2	0	3	2.25	2.5	1.667

TARGET

Attained CC14

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
1	CO1	0.667	0	0.667	0.333	0.333	0	0.333	1	0.333	0.667	0	1	0.667	0	0.667
	CO2	0.667	0	0.667	0.333	0.333	0	0.333	1	0.333	0.667	0	1	1	0.667	0.667
	CO3	0.667	0	0.667	0.333	0.333	0	0.333	1	0.333	0.667	0	1	0.333	1	0.333
	CO4	0.667	0	0.667	0.333	0.333	0	0.333	1	0.667	0.667	0	1	1	0	0
	CO	0.667	0	0.667	0.333	0.333	0	0.333	1	0.417	0.667	0	1	0.75	0.833	0.556

TARGET		CO	2	0	2	1	1	0	1	3	1.25	2	0	3	2.25	2.5	1.667
Attained		CO	0.6667	0	0.6667	0.3333	0.3333	0	0.3333	1	0.4167	0.6667	0	1	0.75	0.8333	0.5556
GAP			1.3333	0	1.3333	0.6667	0.6667	0	0.6667	2	0.8333	1.3333	0	2	1.5	1.6667	1.1111

CO-PO Attainment

DSEA1

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CO1	2	0	2	1	1	0	1	3	2	2	0	3	3	1	2
CO2	2	0	2	1	1	0	1	3	2	2	0	3	2	1	2
CO3	2	0	2	1	1	0	1	3	2	2	0	3	3	3	0
CO4	2	0	2	1	1	0	1	3	2	2	0	3	3	3	0
CO	2	0	2	1	1	0	1	3	2	2	0	3	2.75	2	2

TARGET

Attained DSEA1

Course Outcome	Programme Outcome (PO)	Programme Specific Outcome (PSO1)
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	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4:Res earch- relate d skills / Scient ific reaso ning	PO 5: Comm unicat ion Skills	PO 6: Coope ration /Tea m work	PO 7: Infor matio n/digi tal litera cy:	PO 8: Self- direct ed learni ng	PO 9: Multic ultural comp etenc e	PO 10: Moral and ethica l aware ness/ reaso ning	PO 11: Leade rship readi ness/ qualit ies	PO 12: Lifelo ng learni ng	PSO1	PSO2	PSO3	
1.25	CO1	0.833	0	0.833	0.417	0.417	0	0.417	1.25	0.833	0.833	0	1.25	1.25	0.417	0.833
	CO2	0.833	0	0.833	0.417	0.417	0	0.417	1.25	0.833	0.833	0	1.25	0.833	0.417	0.833
	CO3	0.833	0	0.833	0.417	0.417	0	0.417	1.25	0.833	0.833	0	1.25	1.25	1.25	0
	CO4	0.833	0	0.833	0.417	0.417	0	0.417	1.25	0.833	0.833	0	1.25	1.25	1.25	0
	CO	0.833	0	0.833	0.417	0.417	0	0.417	1.25	0.833	0.833	0	1.25	1.146	0.833	0.833

TARGET	CO	2	0	2	1	1	0	1	3	2	2	0	3	2.75	2	2
Attained	CO	0.8333	0	0.8333	0.4167	0.4167	0	0.4167	1.25	0.8333	0.8333	0	1.25	1.1458	0.8333	0.8333
GAP		1.1667	0	1.1667	0.5833	0.5833	0	0.5833	1.75	1.1667	1.1667	0	1.75	1.6042	1.1667	1.1667

CO-PO Attainment

DSEA4

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi-cultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
C01	2	0	2	2	2	0	1	3	1	2	0	3	3	0	3
C02	2	0	2	2	2	0	1	3	2	2	0	3	2	1	3
C03	2	0	2	2	2	0	1	3	2	2	0	3	2	2	3
C04	2	0	2	2	2	0	1	3	2	2	0	3	0	0	0
CO	2	0	2	2	2	0	1	3	1.75	2	0	3	2.333	1.5	3

TARGET

Attained DSEA4

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
2.85	CO1	1.9	0	1.9	1.9	1.9	0	0.95	2.85	0.95	1.9	0	2.85	2.85	0	2.85
	CO2	1.9	0	1.9	1.9	1.9	0	0.95	2.85	1.9	1.9	0	2.85	1.9	0.95	2.85
	CO3	1.9	0	1.9	1.9	1.9	0	0.95	2.85	1.9	1.9	0	2.85	1.9	1.9	2.85
	CO4	1.9	0	1.9	1.9	1.9	0	0.95	2.85	1.9	1.9	0	2.85	0	0	0
	CO	1.9	0	1.9	1.9	1.9	0	0.95	2.85	1.663	1.9	0	2.85	2.217	1.425	2.85

TARGET		CO	2	0	2	2	2	0	1	3	1.75	2	0	3	2.333	1.5	3
Attained		CO	1.9	0	1.9	1.9	1.9	0	0.95	2.85	1.6625	1.9	0	2.85	2.2167	1.425	2.85
GAP			0.1	0	0.1	0.1	0.1	0	0.05	0.15	0.0875	0.1	0	0.15	0.1167	0.075	0.15

CO-PO Attainment

DSEB1

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
C01	2	0	2	1	1	0	1	3	2	3	0	3	0	1	3
C02	2	1	2	1	1	0	1	3	2	3	0	3	2	0	1
C03	2	1	2	1	2	0	1	3	2	3	0	3	1	0	1
C04	2	1	2	2	2	1	2	3	2	3	0	3	3	3	1
CO	2	1	2	1.25	1.5	1	1.25	3	2	3	0	3	2	2	1.5

TARGET

Attained DSEB1

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
1.25	CO1	0.833	0	0.833	0.417	0.417	0	0.417	1.25	0.833	1.25	0	1.25	0	0.417	1.25
	CO2	0.833	0.417	0.833	0.417	0.417	0	0.417	1.25	0.833	1.25	0	1.25	0.833	0	0.417
	CO3	0.833	0.417	0.833	0.417	0.833	0	0.417	1.25	0.833	1.25	0	1.25	0.417	0	0.417
	CO4	0.833	0.417	0.833	0.833	0.833	0.417	0.833	1.25	0.833	1.25	0	1.25	1.25	1.25	0.417
	CO	0.833	0.417	0.833	0.521	0.625	0.417	0.521	1.25	0.833	1.25	0	1.25	0.833	0.833	0.625

TARGET		CO	2	1	2	1.25	1.5	1	1.25	3	2	3	0	3	2	2	1.5
Attained		CO	0.8333	0.4167	0.8333	0.5208	0.625	0.4167	0.5208	1.25	0.8333	1.25	0	1.25	0.8333	0.8333	0.625
GAP			1.1667	0.5833	1.1667	0.7292	0.875	0.5833	0.7292	1.75	1.1667	1.75	0	1.75	1.1667	1.1667	0.875

CO-PO Attainment

DSE-B4

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
C01	2	0	2	3	2	2	2	3	2	3	0	3	3	2	3
C02	2	0	2	2	2	1	1	3	2	2	0	3	0	1	3
C03	2	0	2	2	2	2	1	3	2	3	0	3	2	1	1
C04	2	0	2	3	2	3	2	3	2	3	0	3	0	2	0
CO	2	0	2	2.5	2	2	1.5	3	2	2.75	0	3	2.5	1.5	2.333

TARGET

Attained DSE-B4

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
2.8	CO1	1.867	0	1.867	2.8	1.867	1.867	1.867	2.8	1.867	2.8	0	2.8	2.8	1.867	2.8
	CO2	1.867	0	1.867	1.867	1.867	0.933	0.933	2.8	1.867	1.867	0	2.8	0	0.933	2.8
	CO3	1.867	0	1.867	1.867	1.867	1.867	0.933	2.8	1.867	2.8	0	2.8	1.867	0.933	0.933
	CO4	1.867	0	1.867	2.8	1.867	2.8	1.867	2.8	1.867	2.8	0	2.8	0	1.867	0
	CO	1.867	0	1.867	2.333	1.867	1.867	1.4	2.8	1.867	2.567	0	2.8	2.333	1.4	2.178

TARGET		CO	2	0	2	2.5	2	2	1.5	3	2	2.75	0	3	2.5	1.5	2.333
Attained		CO	1.8667	0	1.8667	2.3333	1.8667	1.8667	1.4	2.8	1.8667	2.5667	0	2.8	2.3333	1.4	2.1778
GAP			0.1333	0	0.1333	0.1667	0.1333	0.1333	0.1	0.2	0.1333	0.1833	0	0.2	0.1667	0.1	0.1556

CO-PO Attainment

e Outcome	Programme Outcome (PO)												Programme Specific Outcome (PS01)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	4.Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PS01	PS02	PS03
CO1	2	1	3	3	2	2	2	3	2	1	0	3	2	3	1
CO2	2	2	2	2	3	3	2	3	2	2	0	3	0	3	1
CO3	2	1	2	2	2	1	3	3	2	1	0	3	1	1	0
CO4	2	1	3	3	3	3	3	3	2	2	0	3	2	2	2
TARGET CO	2	1.25	2.5	2.5	2.5	2.25	2.5	3	2	1.5	0	3	1.667	2.25	1.333

Attained

e Outcome	Programme Outcome (PO)												Programme Specific Outcome (PS01)		
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CO-PO Attainment

SECA1

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/ qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CO1	2	1	3	3	2	2	2	3	2	1	0	3	2	3	1
CO2	2	2	2	2	3	3	2	3	2	2	0	3	0	3	1
CO3	2	1	2	2	2	1	3	3	2	1	0	3	1	1	0
CO4	2	1	3	3	3	3	3	3	2	2	0	3	2	2	2
CO	2	1.25	2.5	2.5	2.5	2.25	2.5	3	2	1.5	0	3	1.667	2.25	1.333

TARGET

CO-PO Attainment

SEC-B1

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
C01	2	1	3	2	3	2	1	3	2	2	0	3	3	0	3
C02	2	2	3	3	3	3	2	3	3	3	0	3	0	3	0
C03	2	3	2	3	3	2	3	3	2	2	0	3	1	1	0
C04	2	2	1	3	3	3	3	3	3	2	0	3	0	0	0
CO	2	2	2.25	2.75	3	2.5	2.25	3	2.5	2.25	0	3	2	2	3

TARGET

Attained

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
1.1	CO1	0.7	0.35	1.05	0.7	1.05	0.7	0.35	1.05	0.7	0.7	0	1.05	1.05	0	1.05
	CO2	0.7	0.7	1.05	1.05	1.05	1.05	0.7	1.05	1.05	1.05	0	1.05	0	1.05	0
	CO3	0.7	1.05	0.7	1.05	1.05	0.7	1.05	1.05	0.7	0.7	0	1.05	0.35	0.35	0
	CO4	0.7	0.7	0.35	1.05	1.05	1.05	1.05	1.05	1.05	0.7	0	1.05	0	0	0
	CO	0.7	0.7	0.788	0.963	1.05	0.875	0.788	1.05	0.875	0.788	0	1.05	0.7	0.7	1.05

TARGET		CO	2	2	2.25	2.75	3	2.5	2.25	3	2.5	2.25	0	3	2	2	3
Attained		CO	0.7	0.7	0.7875	0.9625	1.05	0.875	0.7875	1.05	0.875	0.7875	0	1.05	0.7	0.7	1.05
GAP			1.3	1.3	1.4625	1.7875	1.95	1.625	1.4625	1.95	1.625	1.4625	0	1.95	1.3	1.3	1.95

CO-PO Attainment

SEC-B1

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)		
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multicultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
C01	2	1	3	2	3	2	1	3	2	2	0	3	3	0	3
C02	2	2	3	3	3	3	2	3	3	3	0	3	0	3	0
C03	2	3	2	3	3	2	3	3	2	2	0	3	1	1	0
C04	2	2	1	3	3	3	3	3	3	2	0	3	0	0	0
CO	2	2	2.25	2.75	3	2.5	2.25	3	2.5	2.25	0	3	2	2	3

TARGET

Attained

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO1)			
	PO 1: Disciplinary knowledge :	PO 2: Problem solving	PO 3: Critical thinking	PO 4: Research-related skills / Scientific reasoning	PO 5: Communication Skills	PO 6: Cooperation/Team work	PO 7: Information/digital literacy:	PO 8: Self-directed learning	PO 9: Multi-cultural competence	PO 10: Moral and ethical awareness /reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
1.1	CO1	0.7	0.35	1.05	0.7	1.05	0.7	0.35	1.05	0.7	0.7	0	1.05	1.05	0	1.05
	CO2	0.7	0.7	1.05	1.05	1.05	1.05	0.7	1.05	1.05	1.05	0	1.05	0	1.05	0
	CO3	0.7	1.05	0.7	1.05	1.05	0.7	1.05	1.05	0.7	0.7	0	1.05	0.35	0.35	0
	CO4	0.7	0.7	0.35	1.05	1.05	1.05	1.05	1.05	1.05	0.7	0	1.05	0	0	0
	CO	0.7	0.7	0.788	0.963	1.05	0.875	0.788	1.05	0.875	0.788	0	1.05	0.7	0.7	1.05

TARGET		CO	2	2	2.25	2.75	3	2.5	2.25	3	2.5	2.25	0	3	2	2	3
Attained		CO	0.7	0.7	0.7875	0.9625	1.05	0.875	0.7875	1.05	0.875	0.7875	0	1.05	0.7	0.7	1.05
GAP			1.3	1.3	1.4625	1.7875	1.95	1.625	1.4625	1.95	1.625	1.4625	0	1.95	1.3	1.3	1.95

Shyampur Siddheswari Mahavidyalaya

Program Articulation Matrix

TARGET VALUES FROM CO-PO MAPPING

SEM	COURSE	PROGRAM OUTCOMES												PSOs		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
SEM1	CC1	2.5	1.25	3	2.25	1.75	2.25	1.5	3	2	2.25	1	3	1.333	2	2
	CC2	2.25	1.5	2	1.75	1.5	1.25	2	3	1.75	1	1	3	2.5	2.5	2
	GE1	2.5	1.666667	1.66667	2	2.25	1	1.5	2.5	3	2.5	1.666667	2.33333	1.75	1.6667	1.75
	AECC1	2	1	2	1	1	1	1	3	1.25	2.25	0	3	2.6667	2	1
SEM2	CC3	1.25	1	2.25	1.3333	1.25	1.5	1.25	3	1.5	1.5	2	3	1	2	2.5
	CC4	2	1	2.25	1	1	1	1	3	2	1	0	3	1.5	1.75	2.5
	GE2	2	1	2	2.66667	1.5	2.33333	1.5	1.75	1.66667	2.33333	2.75	2	2.25	2.3333	1.75
	AECC2	1.6666667	2.25	2	2	1.333333	2.33333	1	1.66667	2.33333	2.75	1.25	1.75	1	1.25	2
SEM3	CC5	1.5	1.25	2.5	1.25	1	1	1	3	1	1.25	1	3	1	1	2.5
	CC6	1.5	2	3	1	1	1	1	3	1.5	1	0	3	2	1.333	2.25
	CC7	1.5	1.5	2.25	1	1.25	1	1	3	1.75	1.75	0	3	1.25	1.75	3
	SECA	2	1.25	2.5	2.5	2.5	2.25	2.5	3	2	1.5	0	3	1.6667	2.25	1.333333
	GE3	1.75	1.5	2	3	2.75	3	1.6667	2	1	1.6667	1.75	2.5	2	1	1.333333
SEM4	CC8	1.5	2	1	0	1	0	1	3	0	2	0	3	2	2	2
	CC9	1	1.33333	1.75	1	1	1	1.25	3	0	0	0	3	1.5	2.333	2.666667
	CC10	1.25	2	2	1	1	0	1	3	1	1	0	3	2.75	1	1.666667
	SECB	2	2	2.25	2.75	3	2.5	2.25	3	2.5	2.25	0	3	2	2	3
	GE4	2	1.5	1.6667	2.5	1.33333	2.66667	2	2.5	2	1	1.5	2.25	3	2	2
SEM5	CC11	1.25	1	2	1	1	0	1	3	1	1	0	3	1.5	1.75	3
	CC12	2	1	2	1	1	1	1	3	1	1.75	0	3	1.75	3	2
	DSEA1	2	0	2	1	1	0	1	3	2	2	0	3	2.75	2	2
	DSEB1	2	1	2	1.25	1.5	1	1.25	3	2	3	0	3	2	2	1.5
SEM6	CC13	2	1	2	1	1	1	1	3	1.25	2.25	0	3	2	2.75	2.5
	CC14	2	0	2	1	1	0	1	3	1.25	2	0	3	2.25	2.5	1.666667
	DSEA2	2	0	2	2	2	0	1	3	1.75	2	0	3	2.3333	1.5	3
	DSEB2	2	0	2	2.5	2	2	1.5	3	2	2.75	0	3	2.5	1.5	2.33333
All Sem	All Courses	1.823718	1.19231	2.0801	1.5673	1.45833	1.23397	1.3141	2.8237	1.55769	1.7596	0.53526	2.83974	1.9327	1.891	2.125

Program Articulation Matrix

ATTAINED VALUES FROM DIRECT ATTAINMENT

SEM	COUR SE	PROGRAM OUTCOMES											PSOs			
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
SEM1	CC1	2.375	1.188	2.85	2.138	1.663	2.1375	1.425	2.85	1.9	2.1375	0.95	2.85	1.266667	1.9	1.9
	CC2	2.25	1.5	2	1.75	1.5	1.25	2	3	1.75	1	1	3	2.5	2.5	2
	GE1	2.4583333	1.6389	1.63889	1.9667	2.2125	0.98333	1.475	2.45833	2.95	2.4583	1.63889	2.294444	1.7208333	1.638889	1.720833
	AECC1	2	1	2	1	1	1	1	3	1.25	2.25	0	3	2.666667	2	1
SEM2	CC3	1.25	1	2.25	1.333	1.25	1.5	1.25	3	1.5	1.5	2	3	1	2	2.5
	CC4	2	1	2.25	1	1	1	1	3	2	1	0	3	1.5	1.75	2.5
	GE2	2	1	2	2.6667	1.5	2.33333	1.5	1.75	1.66667	2.3333	2.75	2	2.25	2.333333	1.75
	AECC2	1.6666667	2.25	2	2	1.3333	2.33333	1	1.66667	2.33333	2.75	1.25	1.75	1	1.25	2
SEM3	CC5	1.5	1.25	2.5	1.25	1	1	1	3	1	1.25	1	3	1	1	2.5
	CC6	1.5	2	3	1	1	1	1	3	1.5	1	0	3	2	1.33333	2.25
	CC7	1.45	1.45	2.175	0.967	1.208	0.9667	0.9667	2.9	1.6917	1.6917	0	2.9	1.208333	1.69167	2.9
	SECA	2	1.25	2.5	2.5	2.5	2.25	2.5	3	2	1.5	0	3	1.666667	2.25	1.33333
	GE3	1.75	1.5	2	3	2.75	3	1.6667	2	1	1.6667	1.75	2.5	2	2.33333	1.33333
SEM4	CC8	1.025	1.367	0.6833	0	0.683	0	0.6833	2.05	0	1.3667	0	2.05	1.366667	1.36667	1.36667
	CC9	0.466667	0.622	0.8167	0.467	0.467	0.4667	0.5833	1.4	0	0	0	1.4	0.7	1.08889	1.24444
	CC10	0.5	0.8	0.8	0.4	0.4	0	0.4	1.2	0.4	0.4	0	1.2	1.1	0.4	0.66667
	SECB1	0.7	0.7	0.7875	0.963	1.05	0.875	0.7875	1.05	0.875	0.7875	0	1.05	0.7	0.7	1.05
	GE4	1.366667	1.025	1.1389	1.708	0.911	1.8222	1.3667	1.7083	1.3667	0.6833	1.025	1.5375	2.05	1.36667	1.36667
SEM5	CC11	0.833333	0.667	1.3333	0.667	0.667	0	0.6667	2	0.6667	0.6667	0	2	1	1.16667	2
	CC12	1.466667	0.733	1.4667	0.733	0.733	0.7333	0.7333	2.2	0.7333	1.2833	0	2.2	1.283333	2.2	1.46667
	DSEA1	0.833333	0	0.8333	0.417	0.417	0	0.4167	1.25	0.8333	0.8333	0	1.25	1.145833	0.83333	0.83333
	DSEB1	0.833333	0.417	0.8333	0.521	0.625	0.4167	0.5208	1.25	0.8333	1.25	0	1.25	0.833333	0.83333	0.625
SEM6	CC13	0.833333	0.417	0.8333	0.417	0.417	0.4167	0.4167	1.25	0.5208	0.9375	0	1.25	0.833333	1.14583	1.04167
	CC14	0.666667	0	0.6667	0.333	0.333	0	0.3333	1	0.4167	0.6667	0	1	0.75	0.83333	0.55556
	DSEA2	1.9	0	1.9	1.9	1.9	0	0.95	2.85	1.6625	1.9	0	2.85	2.216667	1.425	2.85
	DSEB2	1.866667	0	1.8667	2.333	1.867	1.8667	1.4	2.8	1.8667	2.5667	0	2.8	2.333333	1.4	2.17778
All Sem	All Courses	1.441987	0.953	1.6586	1.286	1.169	1.052	1.0401	2.1782	1.2583	1.38	0.514	2.19738	1.465064	1.49001	1.65123

Shyampur Siddheswari Mahavidyalaya

Program Articulation Matrix

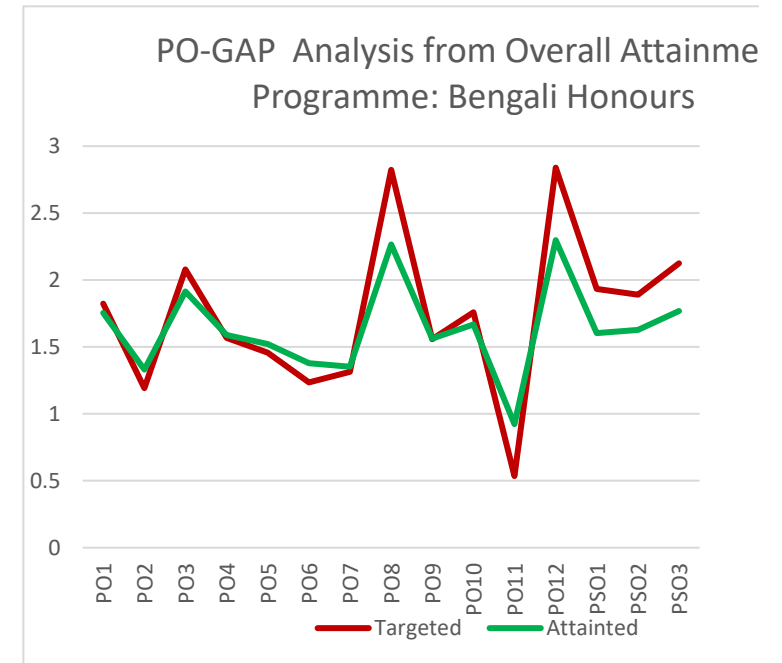
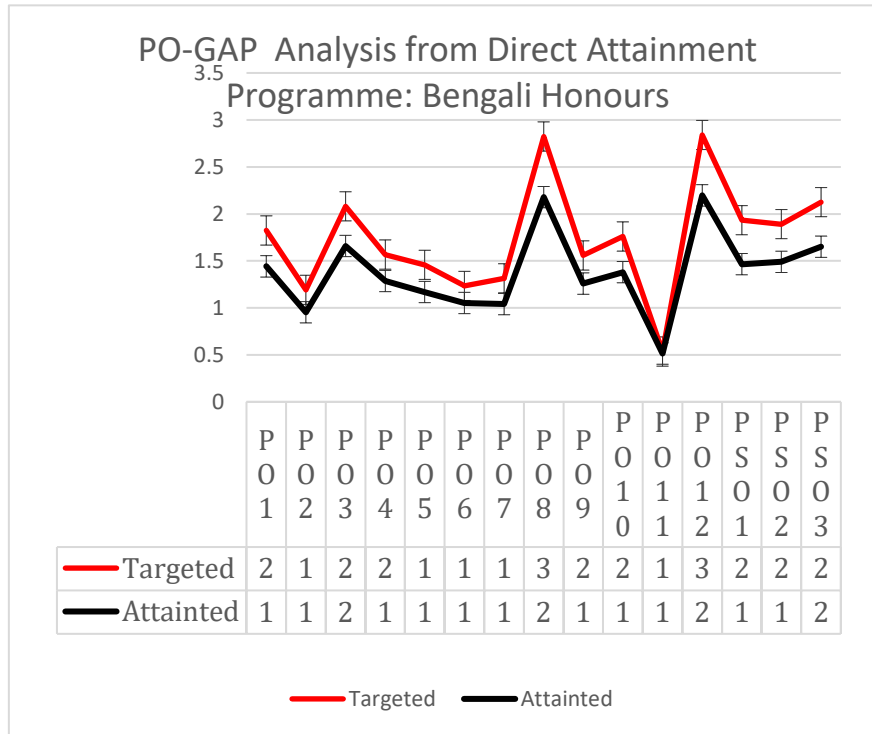
GAP: Target vs Attained

SEM	COURSE	PROGRAM OUTCOMES												PSOs		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
SEM1	CC1	0.13	0.06	0.15	0.11	0.09	0.11	0.07	0.15	0.1	0.11	0.05	0.15	0.07	0.1	0.1
	CC2	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0
	GE1	0.04	0.03	0.03	0.03	0.04	0.02	0.02	0.04	0.05	0.04	0.03	0.04	0.03	0.03	0.03
	AEC1	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	0	-0	-0	-0	-0
SEM2	CC3	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0
	CC4	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	0	-0	-0	-0	-0
	GE2	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0
	AEC2	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0
SEM3	CC5	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0
	CC6	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	0	-0	-0	-0	-0
	CC7	0.05	0.05	0.07	0.03	0.04	0.03	0.03	0.1	0.06	0.06	0	0.1	0.04	0.06	0.1
	SECA	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	0	-0	-0	-0	-0
	GE3	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0	-1.33	-0
SEM4	CC8	0.48	0.63	0.32	0	0.32	0	0.32	0.95	0	0.63	0	0.95	0.63	0.63	0.63
	CC9	0.53	0.71	0.93	0.53	0.53	0.53	0.67	1.6	0	0	0	1.6	0.8	1.24	1.42
	CC10	0.75	1.2	1.2	0.6	0.6	0	0.6	1.8	0.6	0.6	0	1.8	1.65	0.6	1
	SECB	1.3	1.3	1.46	1.79	1.95	1.63	1.46	1.95	1.63	1.46	0	1.95	1.3	1.3	1.95
	GE4	0.63	0.48	0.53	0.79	0.42	0.84	0.63	0.79	0.63	0.32	0.48	0.71	0.95	0.63	0.63
SEM5	CC11	0.42	0.33	0.67	0.33	0.33	0	0.33	1	0.33	0.33	0	1	0.5	0.58	1
	CC12	0.53	0.27	0.53	0.27	0.27	0.27	0.27	0.8	0.27	0.47	0	0.8	0.47	0.8	0.53
	DSEA1	1.17	0	1.17	0.58	0.58	0	0.58	1.75	1.17	1.17	0	1.75	1.6	1.17	1.17
	DSEB1	1.17	0.58	1.17	0.73	0.88	0.58	0.73	1.75	1.17	1.75	0	1.75	1.17	1.17	0.88
SEM6	CC13	1.17	0.58	1.17	0.58	0.58	0.58	0.58	1.75	0.73	1.31	0	1.75	1.17	1.6	1.46
	CC14	1.33	0	1.33	0.67	0.67	0	0.67	2	0.83	1.33	0	2	1.5	1.67	1.11
	DSEA2	0.1	0	0.1	0.1	0.1	0	0.05	0.15	0.09	0.1	0	0.15	0.12	0.07	0.15
	DSEB2	0.13	0	0.13	0.17	0.13	0.13	0.1	0.2	0.13	0.18	0	0.2	0.17	0.1	0.16
All Sem	All Course	0.38	0.24	0.42	0.28	0.29	0.18	0.27	0.65	0.3	0.38	0.02	0.64	0.47	0.4	0.47

Direct Attainment

Graph:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Targete	1.824	1.192	2.08	1.567	1.458	1.234	1.314	2.824	1.558	1.76	0.535	2.84	1.933	1.891	2.125
Attainte	1.442	0.953	1.659	1.286	1.169	1.052	1.04	2.178	1.258	1.38	0.514	2.197	1.465	1.49	1.651

Gap	0.382	0.239	0.422	0.282	0.29	0.182	0.274	0.646	0.299	0.38	0.021	0.642	0.468	0.401	0.474
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Overall Attainment

Graph:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Targeted	1.824	1.192	2.08	1.567	1.458	1.234	1.314	2.824	1.558	1.76	0.535	2.84	1.933	1.891	2.125
Attained	1.754	1.33	1.915	1.589	1.523	1.378	1.352	2.267	1.563	1.668	0.923	2.298	1.604	1.628	1.769
Gap	0.07	-0.138	0.165	-0.021	-0.065	-0.144	-0.038	0.557	-0.005	0.092	-0.388	0.542	0.329	0.263	0.356

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PROGRAM OUTCOME ATTAINMENT [INDIRECT METHOD]

	PROGRAM OUTCOMES (ATTAINED VALUE)												PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
EXIT SURVEY	3	2.9	2.9	2.8	3	2.6	2.8	2.8	2.8	3	2.5	2.6	2	2.2	1.5
ALUMNI FEEDBACK	3	2.8	3	3	3	2.5	2.5	2.6	2.8	2.8	2.7	2.8	2.5	2	2.7
FACULTY FEEDBACK	3	2.8	3	2.9	2.9	2.7	2.6	2.8	3	2.9	2.6	2.8	1.8	2	2.2
EMPLOYER SURVEY	3	2.8	2.9	2.6	3	3	2.8	2.4	2.6	2.6	2.4	2.6	1.5	1.9	2.1
PARENTS FEEDBACK	3	2.9	2.9	2.7	2.8	2.6	2.3	2.5	2.7	2.8	2.6	2.7	3	2.8	2.7
Average	3	2.84	2.94	2.8	2.94	2.68	2.6	2.62	2.78	2.82	2.56	2.7	2.16	2.18	2.24

