

## 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	1.5	1.666666	1.5	2.333333	2.666666	2	2	2	2.666666	1.75	2.333333	1.5	1.333333	2	2
	CC2	2.3333333333	2.5	3	1.333333	2	2.25	2	2	3	1.5	2	1.666666	2.5	2.5	2
	GE1	2.5	6666666666	6666666666	2	2.25	1	1.5	2.5	3	2.5	6666666666	3333333333	1.75	6666666666	1.75
	AECC1	2.5	2.5	2	2	3333333333	6666666666	2	1.5	3333333333	2	2.5	2	6666666666	2	1
SEM2	CC3	2	2.75	6666666666	2	1.5	3	2	2	2.75	2.25	6666666666	2	1	2	2.5
	CC4	2.25	6666666666	2	1.5	2	1.5	2	3333333333	1.75	1	2	3	1.5	1.75	2.5
	GE2	2	1	2	6666666666	1.5	3333333333	1.5	1.75	6666666666	3333333333	2.75	2	2.25	3333333333	1.75
	AECC2	1.6666666667	2.25	2	2	3333333333	3333333333	1	6666666666	3333333333	2.75	1.25	1.75	1	1.25	2
SEM3	CC5	1.5	6666666666	2.25	2	6666666666	2.25	2	2.25	2.5	3333333333	1	6666666666	1	1	2.5
	CC6	1.25	2	2.25	2	2	1.75	2	2.333333	1.75	2	2.666666	2.333333	2	1.333333	2.25
	CC7	1.75	2	1.333333	1.333333	1	2.25	1.333333	2.333333	1.333333	2	1	1.25	1.25	1.75	3
	SECA	1.75	2	2.25	2.333333	2.25	2	2	2.333333	2.333333	3	2.333333	2	1.666666	2.25	1.333333
	GE3	1.75	1.5	2	3	2.75	3	1.666666	2	1	1.666666	1.75	2.5	2	1	1.333333
SEM4	CC8	2.5	3	2	2.333333	2	1.666666	3	2	2	2.333333	1.75	2	2	2	2
	CC9	1.75	2.25	2.333333	1.5	2.333333	1.333333	2	2.25	1.75	1.5	2.333333	2	1.5	2.333333	2.666666
	CC10	2.25	2	1.5	1.5	2	3	2.5	1.25	2	2.25	1.5	1.5	2.75	1	1.666666
	SECB	1.75	2.25	2	2	1.333333	1.75	2	2	2.333333	1.666666	1.5	1.5	2	2	3
	GE4	2	1.5	1.666666	2.5	1.333333	2.666666	2	2.5	2	1	1.5	2.25	3	2	2
SEM5	CC11	1.6666666667	1.666666	1.75	2	1.333333	1.666666	1.666666	2.5	2.333333	1	2	2.5	1.5	1.75	3
	CC12	2.5	2	1	1.666666	2.25	2.333333	1.666666	1.75	2	1.5	1.5	1	1.75	3	2
	DSEA1	1.75	1.25	2	2.666666	2.333333	3	2	1.75	2.25	2.5	3	1.5	2.75	2	2
	DSEB1	1.5	2.5	1.75	1.666666	1.5	2	2	1	2	1.333333	2	1.75	2	2	1.5
SEM6	CC13	1.75	1.666666	2	1.75	2.25	2	1.666666	2	2	2.333333	1.75	1.666666	2	2.75	2.5
	CC14	1.75	1.5	2.666666	2.666666	1.5	2	1	2.333333	1.666666	2.5	2.666666	2.666666	2.25	2.5	1.666666
	DSEA2	2.25	1	3	2	2	1.666666	1.666666	1.333333	2.25	2.25	1.5	2.25	2.333333	1.5	3
	DSEB2	2	1.5	2	1.5	1.75	1.333333	2.666666	1.333333	1.666666	2	2.666666	2	2.5	1.5	2.333333
All Sem	All Courses	1.929487179	1.932692	1.983974	2.009615	1.852564	2.105769	1.878205	1.923076	2.102564	1.971153	1.945512	1.945512	1.932692	1.891025	2.125

## Shyampur Siddheswari Mahavidyalaya

### Program Articulation Matrix

#### ATTAINED VALUES FROM DIRECT ATTAINMENT

SEM	COURSE	PROGRAM OUTCOMES												PSOs		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
SEM1	CC1	1.5	1.666666	1.5	2.333333	2.666666	2	2	2	2.666666	1.75	2.333333	1.5	1.333333	2	2
	CC2	2.333333333	2.5	3	1.333333	2	2.25	2	2	3	1.5	2	1.666666	2.5	2.5	2
	GE1	2.5	.66666666	.66666666	2	2.25	1	1.5	2.5	3	2.5	.66666666	.33333333	1.75	.66666666	1.75
	AECC1	2.5	2.5	2	2	.33333333	.66666666	2	1.5	.33333333	2	2.5	2	.66666666	2	1
SEM2	CC3	2	2.75	.66666666	2	1.5	3	2	2	2.75	2.25	.66666666	2	1	2	2.5
	CC4	2.25	.66666666	2	1.5	2	1.5	2	.33333333	1.75	1	2	3	1.5	1.75	2.5
	GE2	2	1	2	.66666666	1.5	.33333333	1.5	1.75	.66666666	.33333333	2.75	2	2.25	.33333333	1.75
	AECC2	1.66666667	2.25	2	2	.33333333	.33333333	1	.66666666	.33333333	2.75	1.25	1.75	1	1.25	2
SEM3	CC5	1.45	.61111111	2.175	.93333333	.61111111	2.175	.93333333	2.175	.41666666	.25555555	.96666666	.61111111	.96666666	.96666666	.41666666
	CC6	1.20833333	1.933333	2.175	1.933333	1.933333	1.691666	1.933333	2.255555	1.691666	1.933333	2.577777	2.255555	1.933333	1.288888	2.175
	CC7	1.75	2	1.333333	1.333333	1	2.25	1.333333	2.333333	1.333333	2	1	1.25	1.25	1.75	3
	SECA	1.72083333	1.966666	2.2125	2.294444	2.2125	1.966666	1.966666	2.294444	2.294444	2.95	2.294444	1.966666	1.638888	2.2125	1.311111
	GE3	1.6625	1.425	1.9	2.85	2.6125	2.85	1.583333	1.9	0.95	1.583333	1.6625	2.375	1.9	2.216666	1.266666
SEM4	CC8	0.04166666	0.05	0.033333	0.038888	0.033333	0.027777	0.05	0.033333	0.033333	0.038888	0.029166	0.033333	0.033333	0.033333	0.033333
	CC9	0.0875	0.1125	0.116666	0.075	0.116666	0.066666	0.1	0.1125	0.0875	0.075	0.116666	0.1	0.075	0.116666	0.133333
	CC10	0.0375	0.033333	0.025	0.025	0.033333	0.05	0.041666	0.020833	0.033333	0.0375	0.025	0.025	0.045833	0.016666	0.027777
	SECB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GE4	1.8	1.35	1.5	2.25	1.2	2.4	1.8	2.25	1.8	0.9	1.35	2.025	2.7	1.8	1.8
SEM5	CC11	1.44444444	1.444444	1.516666	1.733333	1.155555	1.444444	1.444444	2.166666	2.022222	0.866666	1.733333	2.166666	1.3	1.516666	2.6
	CC12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DSEA1	0.0875	0.0625	0.1	0.133333	0.116666	0.15	0.1	0.0875	0.1125	0.125	0.15	0.075	0.1375	0.1	0.1
	DSEB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEM6	CC13	1.54583333	1.472222	1.766666	1.545833	1.9875	1.766666	1.472222	1.766666	1.766666	2.061111	1.545833	1.472222	1.766666	2.429166	2.208333
	CC14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DSEA2	0.15	0.066666	0.2	0.133333	0.133333	0.111111	0.111111	0.088888	0.15	0.15	0.1	0.15	0.155555	0.1	0.2
	DSEB2	2	1.5	2	1.5	1.75	1.333333	2.666666	1.333333	1.666666	2	2.666666	2	2.5	1.5	2.333333
All Sem	All Courses	1.220619658	1.231837	1.264903	1.292788	1.172279	1.360256	1.174469	1.291079	1.379166	1.271527	1.245566	1.298290	1.169337	1.213354	1.350213

**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
<b>EXIT SURVEY</b>	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
<b>ALUMNI FEEDBACK</b>	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
<b>FACULTY FEEDBACK</b>	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
<b>EMPLOYER SURVEY</b>	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
<b>PARENTS FEEDBACK</b>	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
<b>Average</b>	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



## Shyampur Siddheswari Mahavidyalaya

### Program Articulation Matrix

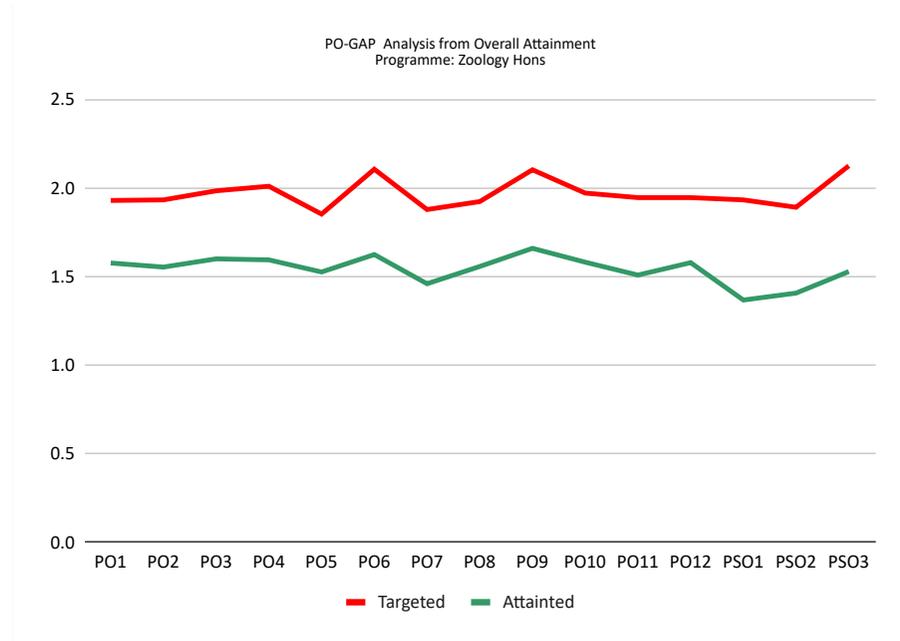
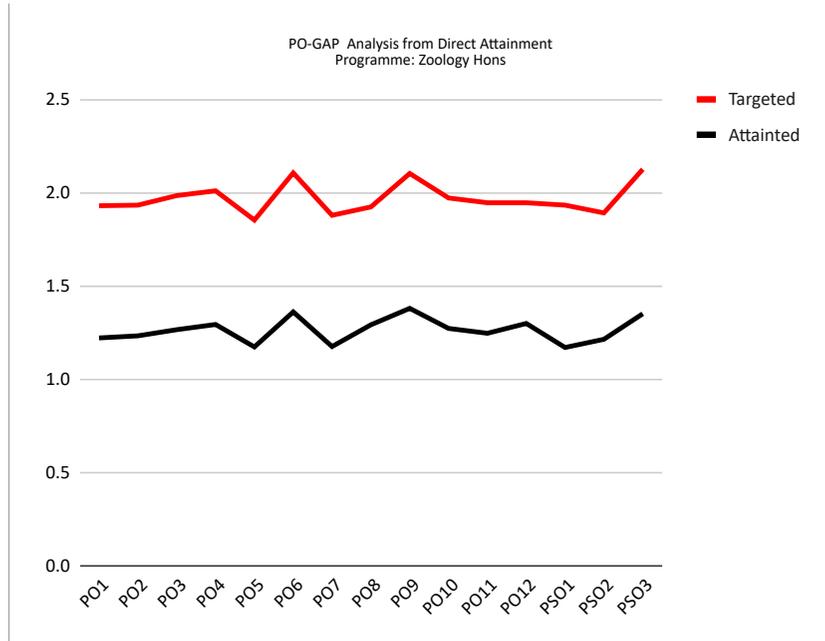
GAP: Target vs Attained

SEM	COURSE	PROGRAM OUTCOMES												PSOs		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
SEM1	CC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AECC1	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
	AECC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEM3	CC5	0.05	0.0555555	0.075	0.0666666	0.0555555	0.075	0.0666666	0.075	0.0833333	0.0777777	0.0333333	0.0555555	0.0333333	0.0333333	0.0833333
	CC6	0.0416666	0.0666666	0.075	0.0666666	0.0666666	0.0583333	0.0666666	0.0777777	0.0583333	0.0666666	0.0888888	0.0777777	0.0666666	0.0444444	0.075
	CC7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SECA	0.0291666	0.0333333	0.0375	0.0388888	0.0375	0.0333333	0.0333333	0.0388888	0.0388888	0.05	0.0388888	0.0333333	0.0277777	0.0375	0.0222222
	GE3	0.0875	0.075	0.1	0.15	0.1375	0.15	0.0833333	0.1	0.05	0.0833333	0.0875	0.125	0.1	-1.216666	0.0666666
SEM4	CC8	2.4583333	2.95	1.9666666	2.2944444	1.9666666	1.6388888	2.95	1.9666666	1.9666666	2.2944444	1.7208333	1.9666666	1.9666666	1.9666666	1.9666666
	CC9	1.6625	2.1375	2.2166666	1.425	2.2166666	1.2666666	1.9	2.1375	1.6625	1.425	2.2166666	1.9	1.425	2.2166666	2.5333333
	CC10	2.2125	1.9666666	1.475	1.475	1.9666666	2.95	2.4583333	1.2291666	1.9666666	2.2125	1.475	1.475	2.7041666	0.9833333	1.6388888
	SECB	1.75	2.25	2	2	1.3333333	1.75	2	2	2.3333333	1.6666666	1.5	1.5	2	2	3
	GE4	0.2	0.15	0.1666666	0.25	0.1333333	0.2666666	0.2	0.25	0.2	0.1	0.15	0.225	0.3	0.2	0.2
SEM5	CC11	0.2222222	0.2222222	0.2333333	0.2666666	0.1777777	0.2222222	0.2222222	0.3333333	0.3111111	0.1333333	0.2666666	0.3333333	0.2	0.2333333	0.4
	CC12	2.5	2	1	1.6666666	2.25	2.3333333	1.6666666	1.75	2	1.5	1.5	1	1.75	3	2
	DSEA1	1.6625	1.1875	1.9	2.5333333	2.2166666	2.85	1.9	1.6625	2.1375	2.375	2.85	1.425	2.6125	1.9	1.9
	DSEB1	1.5	2.5	1.75	1.6666666	1.5	2	2	1	2	1.3333333	2	1.75	2	2	1.5
SEM6	CC13	0.2041666	0.1944444	0.2333333	0.2041666	0.2625	0.2333333	0.1944444	0.2333333	0.2333333	0.2722222	0.2041666	0.1944444	0.2333333	0.3208333	0.2916666
	CC14	1.75	1.5	2.6666666	2.6666666	1.5	2	1	2.3333333	1.6666666	2.5	2.6666666	2.6666666	2.25	2.5	1.6666666
	DSEA2	2.1	0.9333333	2.8	1.8666666	1.8666666	1.5555555	1.5555555	1.2444444	2.1	2.1	1.4	2.1	2.1777777	1.4	2.8
	DSEB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All Sem	All Courses	0.7088675	0.7008547	0.7190705	0.7168269	0.680288	0.7455128	0.7037393	0.631997	0.7233974	0.6996260	0.6999465	0.6472222	0.7633547	0.6776709	0.7747863

Direct Attainment

Graph:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Targeted	1.92948717	1.93269230	1.98397435	2.00961538	1.85256410	2.10576923	1.87820512	1.92307692	2.10256410	1.97115384	1.94551282	1.94551282	1.93269230	1.89102564	2.125
Attained	1.22061965	1.23183760	1.26490384	1.29278846	1.17227564	1.36025641	1.17446581	1.29107906	1.37916666	1.27152777	1.24556623	1.29829059	1.16933760	1.21335470	1.35021367

Gap	0.70886752	0.70085470	0.71907051	0.71682692	0.68028846	0.74551282	0.70373931	0.63199786	0.72339743	0.69962606	0.69994658	0.64722222	0.76335470	0.67767094	0.77478632
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Overall Attainment															
Graph:	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Targeted	1.92948717	1.93269230	1.98397435	2.00961538	1.85256410	2.10576923	1.87820512	1.92307692	2.10256410	1.97115384	1.94551282	1.94551282	1.93269230	1.89102564	2.125
Attained	1.57649572	1.55347008	1.59992307	1.59423076	1.52582051	1.62420512	1.45957265	1.55686324	1.65933333	1.58122222	1.50845299	1.57863247	1.36747008	1.40668376	1.52817094
Gap	0.35299145	0.37922222	0.38405128	0.41538461	0.32674358	0.48156410	0.41863247	0.36621367	0.44323076	0.38993162	0.43705982	0.36688034	0.56522222	0.48434188	0.59682905

**CC1 Non-Chordata - I**

**CO-PO Attainment - Dept. of Zoology**

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	3	3	2	1	0	3	0	2	3	0	2	1	3
CO2	2	0	1	2	0	0	2	0	2	1	2	0	0	2	0
CO3	2	2	1	0	3	2	3	1	3	2	2	1	1	0	0
CO4	1	2	1	2	3	3	1	2	3	2	0	2	1	3	1
TARGET CO	1.5	1.6666	1.5	2.33333	2.6666	2	2	2	2.6666	1.75	2.3333	1.5	1.3333	2	2



CO-PO Attainment CC2 MOLECULAR BIOLOGY

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO)		
	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	0	2	0	1	2	3	1	1	3	1	1	2	0	2	0
C02	2	2	0	0	3	1	0	2	0	2	0	0	0	2	1
C03	3	3	3	1	1	3	3	3	0	0	2	1	3	3	3
C04	2	3	0	2	2	2	0	2	0	0	3	2	2	3	2
<b>CO</b>	<b>2.3333</b>	<b>2.5</b>	<b>3</b>	<b>1.33333</b>	<b>2</b>	<b>2.25</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>1.5</b>	<b>2</b>	<b>1.66666</b>	<b>2.5</b>	<b>2.5</b>	<b>2</b>

TARGET



**CO-PO Attainment      GE1      Animal Diversity**

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	3	0	2	0	3	0	2	3	3	2	1	3	1	3	2
C02	2	3	2	0	2	1	1	0	3	2	0	2	2	0	1
C03	3	1	0	0	1	0	0	2	0	3	2	2	3	1	3
C04	2	1	1	2	3	0	0	0	0	3	2	0	1	1	1
<b>CO</b>	<b>2.5</b>	<b>1.6666</b>	<b>1.6666</b>	<b>2</b>	<b>2.25</b>	<b>1</b>	<b>1.5</b>	<b>2.5</b>	<b>3</b>	<b>2.5</b>	<b>1.6666</b>	<b>2.3333</b>	<b>1.75</b>	<b>1.6666</b>	<b>1.75</b>

**TARGET**



CO-PO Attainment

AECC1

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO)		
	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	3	3	1	2	1	3	0	2	1	3	3	3	3	2	1
CO2	1	2	0	1	2	3	0	1	3	0	2	2	2	0	0
CO3	3	3	3	3	1	2	3	0	3	1	0	1	3	3	1
CO4	3	2	0	0	0	0	1	0	0	0	0	0	0	1	1
<b>CO</b>	<b>2.5</b>	<b>2.5</b>	<b>2</b>	<b>2</b>	<b>1.3333</b>	<b>2.6666</b>	<b>2</b>	<b>1.5</b>	<b>2.3333</b>	<b>2</b>	<b>2.5</b>	<b>2</b>	<b>2.6666</b>	<b>2</b>	<b>1</b>

TARGET



CO-PO Attainment

CC3

Non-Chordata II

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO)		
	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	0	3	0	2	2	3	0	3	3	3	1	2	1	1	0
C02	2	3	1	2	0	0	3	0	3	3	3	3	1	3	2
C03	1	2	2	3	1	3	1	0	3	2	0	2	1	2	3
C04	3	3	2	1	0	0	2	1	2	1	1	1	1	2	0
<b>CO</b>	<b>2</b>	<b>2.75</b>	<b>1.66666</b>	<b>2</b>	<b>1.5</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2.75</b>	<b>2.25</b>	<b>1.66666</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2.5</b>

TARGET



## CO-PO Attainment

## CC4 Cell Biology

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	3	0	0	0	1	2	2	3	1	1	3	2	1	3
CO2	2	0	2	2	1	2	3	1	2	1	3	0	1	3	0
CO3	3	2	2	0	2	2	1	0	1	0	2	0	1	2	2
CO4	2	3	2	1	3	1	0	1	1	1	0	3	2	1	0
<b>CO</b>	<b>2.25</b>	<b>2.6666</b>	<b>2</b>	<b>1.5</b>	<b>2</b>	<b>1.5</b>	<b>2</b>	<b>1.3333</b>	<b>1.75</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1.5</b>	<b>1.75</b>	<b>2.5</b>

TARGET



## CO-PO Attainment

## GE2 Comparative Anatomy and Developmental Biology

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	3	0	2	2	2	0	2	2	1	0	2	2	2	1	1
CO2	1	1	0	3	0	3	1	3	2	2	3	1	1	0	2
CO3	1	0	0	3	1	1	0	1	0	3	3	0	3	3	2
CO4	3	0	2	0	0	3	0	1	2	2	3	3	3	3	2
<b>TARGET</b>	2	1	2	2.66666	1.5	2.33333	1.5	1.75	1.66666	2.33333	2.75	2	2.25	2.33333	1.75



CO-PO Attainment AECC2 Environmental Science

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	2	3	3	1	0	1	2	3	3	1	2	1	1	1
CO2	2	3	1	2	2	1	1	1	1	2	1	2	0	2	3
CO3	1	2	1	0	1	3	1	2	3	3	2	1	1	1	2
CO4	0	2	3	1	0	3	1	0	0	3	1	2	0	1	2
<b>CO</b>	<b>1.66666</b>	<b>2.25</b>	<b>2</b>	<b>2</b>	<b>1.33333</b>	<b>2.33333</b>	<b>1</b>	<b>1.66666</b>	<b>2.33333</b>	<b>2.75</b>	<b>1.25</b>	<b>1.75</b>	<b>1</b>	<b>1.25</b>	<b>2</b>

TARGET



CO-PO Attainment

CC5 Chordata

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	2	2	2	3	3	3	3	3	0	1	0	1	0	3
CO2	1	0	2	2	1	3	0	2	3	3	0	1	1	0	3
CO3	2	2	2	2	1	1	2	2	3	2	0	3	1	1	2
CO4	1	1	3	2	0	2	1	2	1	2	0	1	1	1	2
<b>CO</b>	<b>1.5</b>	<b>1.6666</b>	<b>2.25</b>	<b>2</b>	<b>1.6666</b>	<b>2.25</b>	<b>2</b>	<b>2.25</b>	<b>2.5</b>	<b>2.3333</b>	<b>1</b>	<b>1.6666</b>	<b>1</b>	<b>1</b>	<b>2.5</b>

TARGET

**CO-PO Attainment CC5 Chordata**

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
2.9 CO1	1.933333	1.933333	1.933333	1.933333	2.9	2.9	2.9	2.9	2.9	0	0.966666	0	0.966666	0	2.9
CO2	0.966666	0	1.933333	1.933333	0.966666	2.9	0	1.933333	2.9	2.9	0	0.966666	0.966666	0	2.9
CO3	1.933333	1.933333	1.933333	1.933333	0.966666	0.966666	1.933333	1.933333	2.9	1.933333	0	2.9	0.966666	0.966666	1.933333
CO4	0.966666	0.966666	2.9	1.933333	0	1.933333	0.966666	1.933333	0.966666	1.933333	0	0.966666	0.966666	0.966666	1.933333
CO	1.45	1.611111	2.175	1.933333	1.611111	2.175	1.933333	2.175	2.416666	2.255555	0.966666	1.611111	0.966666	0.966666	2.416666

TARGET	CO	1.5	1.666666	2.25	2	1.666666	2.25	2	2.25	2.5	2.333333	1	1.666666	1	1	2.5
Attained	CO	1.45	1.611111	2.175	1.933333	1.611111	2.175	1.933333	2.175	2.416666	2.255555	0.966666	1.611111	0.966666	0.966666	2.416666
GAP		0.05	0.055555	0.075	0.066666	0.055555	0.075	0.066666	0.075	0.083333	0.077777	0.033333	0.055555	0.033333	0.033333	0.083333

CO-PO Attainment CC6 Animal Physiology

	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	0	1	3	0	2	3	1	1	0	3	0	3	1	2
	CO2	1	2	2	1	3	1	1	3	1	1	3	2	2	1	2
	CO3	1	2	3	3	1	3	0	0	2	2	0	2	0	0	3
	CO4	2	0	3	1	0	1	0	3	3	3	2	3	1	2	2
TARGET	CO	1.25	2	2.25	2	2	1.75	2	2.3333	1.75	2	2.6666	2.3333	2	1.3333	2.25

CO-PO Attainment CC6 Animal Physiology

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
2.9	CO1	0.96666	0	0.9666	2.9	0	1.9333	2.9	0.9666	0.9666	0	2.9	0	2.9	0.9666	1.9333
	CO2	0.96666	1.9333	1.9333	0.9666	2.9	0.9666	0.9666	2.9	0.9666	0.9666	2.9	1.9333	1.9333	0.9666	1.9333
	CO3	0.96666	1.9333	2.9	2.9	0.9666	2.9	0	0	1.9333	1.9333	0	1.9333	0	0	2.9
	CO4	1.93333	0	2.9	0.9666	0	0.9666	0	2.9	2.9	2.9	1.9333	2.9	0.9666	1.9333	1.9333
	CO	1.20833	1.9333	2.175	1.9333	1.9333	1.6916	1.9333	2.2555	1.6916	1.9333	2.5777	2.2555	1.9333	1.2888	2.175

TARGET	CO	1.25	2	2.25	2	2	1.75	2	2.3333	1.75	2	2.6666	2.3333	2	1.3333	2.25
Attained	CO	1.208333	1.93333	2.175	1.93333	1.93333	1.69166	1.93333	2.25555	1.69166	1.93333	2.57777	2.25555	1.93333	1.28888	2.175
GAP		0.0416666	0.06666	0.075	0.06666	0.06666	0.05833	0.06666	0.07777	0.05833	0.06666	0.08888	0.07777	0.06666	0.04444	0.075



CO-PO Attainment SEC-A1 Apiculture

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	3	3	3	2	1	3	0	0	0	0	1	2	3	1
CO2	3	0	3	3	3	3	2	2	1	3	2	3	0	3	1
CO3	2	1	1	0	3	0	2	2	3	3	3	2	1	1	0
CO4	1	0	2	1	1	2	1	3	3	0	2	2	2	2	2
<b>TARGET</b>	<b>CO</b>	1.75	2	2.25	2.3333	2.25	2	2.3333	2.3333	3	2.3333	2	1.6666	2.25	1.3333

CO-PO Attainment SEC-A1 Apiculture

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	
2.95	CO1	0.983333	2.95	2.95	2.95	1.966666	0.983333	2.95	0	0	0	0.983333	1.966666	2.95	0.983333	
	CO2	2.95	0	2.95	2.95	2.95	1.966666	1.966666	0.983333	2.95	1.966666	2.95	0	2.95	0.983333	
	CO3	1.966666	0.983333	0.983333	0	2.95	0	1.966666	1.966666	2.95	2.95	1.966666	0.983333	0.983333	0	
	CO4	0.983333	0	1.966666	0.983333	0.983333	1.966666	0.983333	2.95	2.95	0	1.966666	1.966666	1.966666	1.966666	
	<b>CO</b>	1.720833	1.966666	2.2125	2.294444	2.2125	1.966666	1.966666	2.294444	2.294444	2.95	2.294444	1.966666	1.638888	2.2125	1.311111

<b>TARGET</b>	CO	1.75	2	2.25	2.3333	2.25	2	2	2.3333	2.3333	3	2.3333	2	1.6666	2.25	1.3333
<b>Attained</b>	CO	1.720833	1.966666	2.2125	2.294444	2.2125	1.966666	1.966666	2.294444	2.294444	2.95	2.294444	1.966666	1.638888	2.2125	1.311111
<b>GAP</b>		0.0291666	0.033333	0.0375	0.038888	0.0375	0.033333	0.033333	0.038888	0.038888	0.05	0.038888	0.033333	0.027777	0.0375	0.022222

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	1	3	2	3	2	3	2	3	1	0	3	0	0	3	1
CO2	2	1	2	0	3	3	1	1	0	1	1	3	1	2	1
CO3	2	1	2	0	3	0	2	0	0	1	1	2	3	2	0
CO4	2	1	2	0	3	0	0	2	0	3	2	0	0	0	2
<b>CO</b>	<b>1.75</b>	<b>1.5</b>	<b>2</b>	<b>3</b>	<b>2.75</b>	<b>3</b>	<b>1.6666</b>	<b>2</b>	<b>1</b>	<b>1.6666</b>	<b>1.75</b>	<b>2.5</b>	<b>2</b>	<b>1</b>	<b>1.3333</b>

TARGET

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	0.95	2.85	1.9	2.85	1.9	2.85	1.9	2.85	0.95	0	2.85	0	0	2.85	0.95
CO2	1.9	0.95	1.9	0	2.85	2.85	0.95	0.95	0	0.95	0.95	2.85	0.95	1.9	0.95
CO3	1.9	0.95	1.9	0	2.85	0	1.9	0	0	0.95	0.95	1.9	2.85	1.9	0
CO4	1.9	0.95	1.9	0	2.85	0	0	1.9	0	2.85	1.9	0	0	0	1.9
<b>CO</b>	<b>1.6625</b>	<b>1.425</b>	<b>1.9</b>	<b>2.85</b>	<b>2.6125</b>	<b>2.85</b>	<b>1.5833</b>	<b>1.9</b>	<b>0.95</b>	<b>1.5833</b>	<b>1.6625</b>	<b>2.375</b>	<b>1.9</b>	<b>2.2166</b>	<b>1.2666</b>

Attained

2.85

TARGET	CO	1.75	1.5	2	3	2.75	3	1.6666	2	1	1.6666	1.75	2.5	2	1	1.3333
Attained	CO	1.6625	1.425	1.9	2.85	2.6125	2.85	1.5833	1.9	0.95	1.5833	1.6625	2.375	1.9	2.2166	1.2666
GAP		0.0875	0.075	0.1	0.15	0.1375	0.15	0.0833	0.1	0.05	0.0833	0.0875	0.125	0.1	-1.2166	0.0666

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	3	0	0	0	3	2	3	0	0	3	3	2	3	1	3
CO2	3	0	2	2	1	0	0	3	0	2	2	2	2	3	2
CO3	3	3	2	2	1	2	0	2	0	0	1	2	0	0	1
CO4	1	3	2	3	3	1	0	1	2	2	1	0	1	2	2
TARGET CO	2.5	3	2	2.3333	2	1.6666	3	2	2	2.3333	1.75	2	2	2	2

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
0.05 CO1	0.05	0	0	0	0.05	0.0333	0.05	0	0	0.05	0.05	0.0333	0.05	0.0166	0.05
CO2	0.05	0	0.0333	0.0333	0.0166	0	0	0.05	0	0.0333	0.0333	0.0333	0.0333	0.05	0.0333
CO3	0.05	0.05	0.0333	0.0333	0.0166	0.0333	0	0.0333	0	0	0.0166	0.0333	0	0	0.0166
CO4	0.016666	0.05	0.0333	0.05	0.05	0.0166	0	0.0166	0.0333	0.0333	0.0166	0	0.0166	0.0333	0.0333
CO	0.041666	0.05	0.0333	0.0388	0.0333	0.0277	0.05	0.0333	0.0333	0.0388	0.0291	0.0333	0.0333	0.0333	0.0333

TARGET	CO	2.5	3	2	2.3333	2	1.6666	3	2	2	2.3333	1.75	2	2	2	2
Attained	CO	0.041666	0.05	0.0333	0.03888	0.0333	0.02777	0.05	0.0333	0.0333	0.03888	0.02916	0.0333	0.0333	0.0333	0.0333
GAP		2.458333	2.95	1.96666	2.29444	1.96666	1.63888	2.95	1.96666	1.96666	2.29444	1.72083	1.96666	1.96666	1.96666	1.96666

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	1	3	3	3	3	0	2	3	2	1	1	0	2	3	0
CO2	2	2	3	1	1	1	0	3	1	2	3	0	1	1	2
CO3	2	1	1	1	3	1	0	2	3	2	0	3	1	0	3
CO4	2	3	0	1	0	2	0	1	1	1	3	1	2	3	3
TARGET CO	1.75	2.25	2.3333	1.5	2.3333	1.3333	2	2.25	1.75	1.5	2.3333	2	1.5	2.3333	2.6666

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
0.15 CO1	0.05	0.15	0.15	0.15	0.15	0	0.1	0.15	0.1	0.05	0.05	0	0.1	0.15	0
CO2	0.1	0.1	0.15	0.05	0.05	0.05	0	0.15	0.05	0.1	0.15	0	0.05	0.05	0.1
CO3	0.1	0.05	0.05	0.05	0.15	0.05	0	0.1	0.15	0.1	0	0.15	0.05	0	0.15
CO4	0.1	0.15	0	0.05	0	0.1	0	0.05	0.05	0.05	0.15	0.05	0.1	0.15	0.15
CO	0.0875	0.1125	0.1166	0.075	0.1166	0.0666	0.1	0.1125	0.0875	0.075	0.1166	0.1	0.075	0.1166	0.1333

TARGET	CO	1.75	2.25	2.3333	1.5	2.3333	1.3333	2	2.25	1.75	1.5	2.3333	2	1.5	2.3333	2.6666
Attained	CO	0.0875	0.1125	0.11666	0.075	0.11666	0.06666	0.1	0.1125	0.0875	0.075	0.11666	0.1	0.075	0.11666	0.13333
GAP		1.6625	2.1375	2.21666	1.425	2.21666	1.26666	1.9	2.1375	1.6625	1.425	2.21666	1.9	1.425	2.21666	2.53333

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	1	0	2	1	1	3	3	1	2	2	1	0	3	1	2
CO2	3	3	0	1	0	0	2	2	0	2	1	2	3	0	1
CO3	2	1	0	3	3	3	2	1	2	3	2	1	2	1	2
CO4	3	0	1	1	0	3	3	1	2	2	2	0	3	1	0
<b>CO</b>	<b>2.25</b>	<b>2</b>	<b>1.5</b>	<b>1.5</b>	<b>2</b>	<b>3</b>	<b>2.5</b>	<b>1.25</b>	<b>2</b>	<b>2.25</b>	<b>1.5</b>	<b>1.5</b>	<b>2.75</b>	<b>1</b>	<b>1.6666</b>

TARGET

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	0.016666	0	0.03333	0.01666	0.01666	0.05	0.05	0.01666	0.03333	0.03333	0.01666	0	0.05	0.01666	0.03333
CO2	0.05	0.05	0	0.01666	0	0	0.03333	0.03333	0	0.03333	0.01666	0.03333	0.05	0	0.01666
CO3	0.033333	0.01666	0	0.05	0.05	0.05	0.03333	0.01666	0.03333	0.05	0.03333	0.01666	0.03333	0.01666	0.03333
CO4	0.05	0	0.01666	0.01666	0	0.05	0.05	0.01666	0.03333	0.03333	0.03333	0	0.05	0.01666	0
<b>CO</b>	<b>0.0375</b>	<b>0.03333</b>	<b>0.025</b>	<b>0.025</b>	<b>0.03333</b>	<b>0.05</b>	<b>0.04166</b>	<b>0.02083</b>	<b>0.03333</b>	<b>0.0375</b>	<b>0.025</b>	<b>0.025</b>	<b>0.04583</b>	<b>0.01666</b>	<b>0.02777</b>

Attained

TARGET	CO	2.25	2	1.5	1.5	2	3	2.5	1.25	2	2.25	1.5	1.5	2.75	1	1.6666
Attained	CO	0.0375	0.03333	0.025	0.025	0.03333	0.05	0.04166	0.02083	0.03333	0.0375	0.025	0.025	0.04583	0.01666	0.02777
GAP		2.2125	1.96666	1.475	1.475	1.96666	2.95	2.45833	1.22916	1.96666	2.2125	1.475	1.475	2.70416	0.98333	1.63888

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	1	3	0	3	1	3	3	0	0	2	0	1	3	0	3
CO2	2	1	2	0	2	1	1	1	3	2	2	1	0	3	0
CO3	1	3	2	1	1	2	3	3	3	0	1	3	1	1	0
CO4	3	2	0	0	0	1	1	0	1	1	0	1	0	0	0
<b>CO</b>	<b>1.75</b>	<b>2.25</b>	<b>2</b>	<b>2</b>	<b>1.3333</b>	<b>1.75</b>	<b>2</b>	<b>2</b>	<b>2.3333</b>	<b>1.6666</b>	<b>1.5</b>	<b>1.5</b>	<b>2</b>	<b>2</b>	<b>3</b>

TARGET

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>CO</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Attained

TARGET	CO	1.75	2.25	2	2	1.3333	1.75	2	2	2.3333	1.6666	1.5	1.5	2	2	3
Attained	CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAP		1.75	2.25	2	2	1.3333	1.75	2	2	2.3333	1.6666	1.5	1.5	2	2	3

CO-PO Attainment

Course Outco	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	0	0	0	2	0	0	3	0	1	1	3	3	2	2
CO2	3	0	1	3	1	3	0	2	3	0	2	2	2	2	0
CO3	1	2	2	2	1	2	2	3	1	0	1	2	3	0	2
CO4	3	1	2	0	0	3	0	2	0	1	2	2	4	0	0
TARGET CO	2	1.5	1.66666	2.5	1.33333	2.66666	2	2.5	2	1	1.5	2.25	3	2	2

Course Outco	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
2.7 CO1	0.9	0	0	0	1.8	0	0	2.7	0	0.9	0.9	2.7	2.7	1.8	1.8
CO2	2.7	0	0.9	2.7	0.9	2.7	0	1.8	2.7	0	1.8	1.8	1.8	1.8	0
CO3	0.9	1.8	1.8	1.8	0.9	1.8	1.8	2.7	0.9	0	0.9	1.8	2.7	0	1.8
CO4	2.7	0.9	1.8	0	0	2.7	0	1.8	0	0.9	1.8	1.8	3.6	0	0
CO	1.8	1.35	1.5	2.25	1.2	2.4	1.8	2.25	1.8	0.9	1.35	2.025	2.7	1.8	1.8

TARGET	CO	2	1.5	1.66666	2.5	1.33333	2.66666	2	2.5	2	1	1.5	2.25	3	2	2
Attained	CO	1.8	1.35	1.5	2.25	1.2	2.4	1.8	2.25	1.8	0.9	1.35	2.025	2.7	1.8	1.8
GAP		0.2	0.15	0.166666	0.25	0.133333	0.266666	0.2	0.25	0.2	0.1	0.15	0.225	0.3	0.2	0.2

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	1	3	0	3	1	3	3	0	0	2	0	1	3	0	3
CO2	2	1	2	0	2	1	1	1	3	2	2	1	0	3	0
CO3	1	3	2	1	1	2	3	3	3	0	1	3	1	1	0
CO4	3	2	0	0	0	1	1	0	1	1	0	1	0	0	0
<b>CO</b>	<b>1.75</b>	<b>2.25</b>	<b>2</b>	<b>2</b>	<b>1.3333</b>	<b>1.75</b>	<b>2</b>	<b>2</b>	<b>2.3333</b>	<b>1.6666</b>	<b>1.5</b>	<b>1.5</b>	<b>2</b>	<b>2</b>	<b>3</b>

TARGET

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>CO</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Attained

TARGET	CO	1.75	2.25	2	2	1.3333	1.75	2	2	2.3333	1.6666	1.5	1.5	2	2	3
Attained	CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAP		1.75	2.25	2	2	1.3333	1.75	2	2	2.3333	1.6666	1.5	1.5	2	2	3

CO-PO Attainment

Course Outco	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	0	1	2	1	1	2	2	1	0	0	2	0	0
CO2	3	0	1	2	1	0	1	1	1	1	2	0	2	3	2
CO3	2	2	1	0	3	3	0	3	3	2	1	1	2	3	0
CO4	3	0	0	2	3	3	3	1	2	2	0	0	1	3	2
TARGET CO	2.5	2	1	1.666666	2.25	2.333333	1.666666	1.75	2	1.5	1.5	1	1.75	3	2

Course Outco	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TARGET	CO	2.5	2	1	1.666666	2.25	2.333333	1.666666	1.75	2	1.5	1.5	1	1.75	3	2
Attained	CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAP		2.5	2	1	1.666666	2.25	2.333333	1.666666	1.75	2	1.5	1.5	1	1.75	3	2

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	1	2	0	2	0	0	1	2	2	0	0	0	3	1	2
CO2	2	1	2	3	3	0	2	1	3	0	3	2	2	1	2
CO3	2	1	3	0	2	3	2	1	3	2	0	1	3	3	0
CO4	2	1	1	3	2	3	3	3	1	3	3	0	3	3	0
TARGET CO	1.75	1.25	2	2.6666	2.3333	3	2	1.75	2.25	2.5	3	1.5	2.75	2	2

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
0.15 CO1	0.05	0.1	0	0.1	0	0	0.05	0.1	0.1	0	0	0	0.15	0.05	0.1
CO2	0.1	0.05	0.1	0.15	0.15	0	0.1	0.05	0.15	0	0.15	0.1	0.1	0.05	0.1
CO3	0.1	0.05	0.15	0	0.1	0.15	0.1	0.05	0.15	0.1	0	0.05	0.15	0.15	0
CO4	0.1	0.05	0.05	0.15	0.1	0.15	0.15	0.15	0.05	0.15	0.15	0	0.15	0.15	0
Attained CO	0.0875	0.0625	0.1	0.1333	0.1166	0.15	0.1	0.0875	0.1125	0.125	0.15	0.075	0.1375	0.1	0.1

TARGET	CO	1.75	1.25	2	2.6666	2.3333	3	2	1.75	2.25	2.5	3	1.5	2.75	2	2
Attained	CO	0.0875	0.0625	0.1	0.1333	0.1166	0.15	0.1	0.0875	0.1125	0.125	0.15	0.075	0.1375	0.1	0.1
GAP		1.6625	1.1875	1.9	2.5333	2.2166	2.85	1.9	1.6625	2.1375	2.375	2.85	1.425	2.6125	1.9	1.9

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: Multicultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3
CO1	2	2	3	2	0	0	3	0	3	1	1	2	0	1	3
CO2	2	3	2	1	2	3	1	1	1	2	3	1	2	0	1
CO3	1	2	1	2	1	2	0	1	2	0	2	3	1	0	1
CO4	1	3	1	0	0	1	0	1	2	1	2	1	3	3	1
<b>CO</b>	<b>1.5</b>	<b>2.5</b>	<b>1.75</b>	<b>1.666666</b>	<b>1.5</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1.333333</b>	<b>2</b>	<b>1.75</b>	<b>2</b>	<b>2</b>	<b>1.5</b>

TARGET

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>CO</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Attained

TARGET	CO	1.5	2.5	1.75	1.666666	1.5	2	2	1	2	1.333333	2	1.75	2	2	1.5
Attained	CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAP		1.5	2.5	1.75	1.666666	1.5	2	2	1	2	1.333333	2	1.75	2	2	1.5

CO-PO Attainment 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: Multicultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
CO1	1	2	3	1	3	2	1	1	3	3	3	0	0	2	0	
CO2	1	1	1	2	3	2	0	3	0	1	1	1	2	3	3	
CO3	2	2	2	1	1	0	1	0	0	0	2	3	1	3	0	
CO4	3	0	0	3	2	2	3	2	1	3	1	1	3	3	2	
TARGET	CO	1.75	1.6666	2	1.75	2.25	2	1.6666	2	2	2.3333	1.75	1.6666	2	2.75	2.5

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	
2.65	CO1	0.88333	1.7666	2.65	0.8833	2.65	1.7666	0.8833	0.8833	2.65	2.65	2.65	0	0	1.7666	0
	CO2	0.88333	0.8833	0.8833	1.7666	2.65	1.7666	0	2.65	0	0.8833	0.8833	0.8833	1.7666	2.65	2.65
	CO3	1.76666	1.7666	1.7666	0.8833	0.8833	0	0.8833	0	0	1.7666	2.65	0.8833	2.65	0	
	CO4	2.65	0	0	2.65	1.7666	1.7666	2.65	1.7666	0.8833	2.65	0.8833	0.8833	2.65	2.65	1.7666
	CO	1.54583	1.4722	1.7666	1.5458	1.9875	1.7666	1.4722	1.7666	1.7666	2.0611	1.5458	1.4722	1.7666	2.4291	2.2083

TARGET	CO	1.75	1.6666	2	1.75	2.25	2	1.6666	2	2	2.3333	1.75	1.6666	2	2.75	2.5
Attained	CO	1.545833	1.47222	1.76666	1.54583	1.9875	1.76666	1.47222	1.76666	1.76666	2.06111	1.54583	1.47222	1.76666	2.42916	2.20833
GAP		0.2041666	0.194444	0.233333	0.204166	0.2625	0.233333	0.194444	0.233333	0.233333	0.272222	0.204166	0.194444	0.233333	0.320833	0.291666

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: Multicultural competence	PO 10: Moral and ethical awareness/reasoning	PO 11: Leadership readiness/qualities	PO 12: Lifelong learning	PSO1	PSO2	PSO3	
CO1	1	2	0	3	1	2	0	2	0	1	2	3	2	0	2	
CO2	3	1	3	3	2	0	0	2	2	3	0	0	3	2	2	
CO3	1	2	2	0	0	0	1	3	1	3	3	3	1	3	1	
CO4	2	1	3	2	0	0	0	0	2	3	3	2	3	0	0	
TARGET	CO	1.75	1.5	2.6666	2.6666	1.5	2	1	2.3333	1.6666	2.5	2.6666	2.6666	2.25	2.5	1.6666

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CO4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Attained	CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TARGET	CO	1.75	1.5	2.6666	2.6666	1.5	2	1	2.3333	1.6666	2.5	2.6666	2.6666	2.25	2.5	1.6666
Attained	CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAP		1.75	1.5	2.6666	2.6666	1.5	2	1	2.3333	1.6666	2.5	2.6666	2.6666	2.25	2.5	1.6666

**CO-PO Attainment DSE-A2 Animal Biotechnology**

Course Outcome	Programme Outcome (PO)												Programme Specific Outcome (PSO)		
	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	0	1	0	0	1	3	3	0	2	3	0	3
C02	3	1	3	0	0	3	1	2	1	1	0	1	2	1	3
C03	3	1	3	2	3	1	3	0	3	3	1	3	2	2	3
C04	1	1	0	2	2	1	1	1	2	2	2	3	0	0	0
<b>CO</b>	<b>2.25</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1.6666</b>	<b>1.6666</b>	<b>1.3333</b>	<b>2.25</b>	<b>2.25</b>	<b>1.5</b>	<b>2.25</b>	<b>2.3333</b>	<b>1.5</b>	<b>3</b>

TARGET

**CO-PO Attainment DSE-A2 Animal Biotechnology**

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	
0.2	CO1	0.133333	0.066667	0.2	0	0.066667	0	0	0.066667	0.2	0.2	0	0.133333	0.2	0	0.2
	CO2	0.2	0.066667	0.2	0	0	0.2	0.066667	0.133333	0.066667	0.066667	0	0.066667	0.133333	0.066667	0.2
	CO3	0.2	0.066667	0.2	0.133333	0.2	0.066667	0.2	0	0.2	0.2	0.066667	0.2	0.133333	0.133333	0.2
	CO4	0.066667	0.066667	0	0.133333	0.133333	0.066667	0.066667	0.066667	0.133333	0.133333	0.133333	0.2	0	0	0
	CO	0.15	0.066667	0.2	0.133333	0.133333	0.111111	0.111111	0.088889	0.15	0.15	0.1	0.15	0.155556	0.1	0.2

TARGET	CO	2.25	1	3	2	2	1.666667	1.666667	1.333333	2.25	2.25	1.5	2.25	2.333333	1.5	3
Attained	CO	0.15	0.066667	0.2	0.133333	0.133333	0.111111	0.111111	0.088889	0.15	0.15	0.1	0.15	0.155556	0.1	0.2
GAP		2.1	0.933333	2.8	1.866667	1.866667	1.555556	1.555556	1.244444	2.1	2.1	1.4	2.1	2.177778	1.4	2.8

## CO-PO Attainment

## DSE-B2

## Animal Behaviour &amp; Chronology

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	0	0	0	2	1	2	1	1	1	0	2	3	2	3
C02	1	0	2	1	1	1	3	0	1	3	3	3	0	1	3
C03	2	1	0	2	3	2	0	1	0	0	3	1	2	1	1
C04	3	2	0	0	1	0	3	2	3	0	2	2	0	2	0
<b>CO</b>	<b>2</b>	<b>1.5</b>	<b>2</b>	<b>1.5</b>	<b>1.75</b>	<b>1.3333</b>	<b>2.6666</b>	<b>1.3333</b>	<b>1.6666</b>	<b>2</b>	<b>2.6666</b>	<b>2</b>	<b>2.5</b>	<b>1.5</b>	<b>2.3333</b>

TARGET

