GOVT.DEGREE COLLEGE(MEN), SRIKAKULAM

DEPARTMENT OF BOTANY

CO-PO'S MAPPING ATTAINMENTS

COURSE OUTCOMES ASSESSMENT

2018-21 BATCH

Aspects	Threshold X	Weightage	All student's average performance	Overall Course Direct Assessment
Internal Assessment	60%	25%	А	.25*A + .75*B=AF
Semester Exam	60%	75%	В	

INTERNAL ASSESSMENTS

Aspects	Weightage
MID EXAMS, MID-I & MID-2, ASSIGNMENTS, QUIZ, etc (As per the University guidelines)	25

COURSE OUT COMES ATTAINMENT

Assessment Methods		Attainment Levels
	Level-1	Less than 60% of students scoring more than 60% marks in MID
Internal Assessment	Level-2	60% to 70% of students scoring more than 60% marks in MID
	Level-3	More than 70% of students scoring more than 60% marks in MID
	Level-1	Less than 50% of students passed in End Semester Examination (ESE)
Semester Exam	Level-2	50% to 60% of students passed in End Semester Examination (ESE)
	Level-3	More than 60% of students passed in ESE

ASSESSMENT TABLE SEMESTER-I BOTANY PAPER-I

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)		
Total Number of Students Appeared	252	252		
Number of students Scoring above threshold(X)	224	132		
Percentage	88.64%	52.72%		
Attainment Level	3	2		
Weightage	.25*3=.75	.75*2=1.5		
Attainment factor (AF) (0.25*A+ 0.75*B)= (AF)	.75 + 1.	5 = 2.25		

BOTANY SEM-I PAPER-I

				SEME	STER	·I						
B.Sc.		MICROBIAL DIVERSITY ALGAE & F	,				PA	PER CO	DE:			
Hrs/V	Veek : 4 + 3	Hrs	: 60				Cı	redits	: 5			
code	COURSE O	BLOOM'S TAXONOMY		COI	RRELA	TING F	ROGR	AM O	UTCOI	MES		
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	Explain origin of life on the earth		U	3	3	2	-	1	3	1	2	1
CO2	Illustrate diversity among the Viruses & Prokaryotic organisms & their classification.		А	3	2	1	1	1	2	1	2	1
CO3	Classify Fungi, Lichens &		К	3	2	2	1	1	2	1	2	1
CO4	Analyze & ascertain the		А	3	2	2	1	1	3	1	2	1
CO5	Evaluate the ecological		U	3	3	2	1	1	3	1	2	1
CO AVERAGE			3	2.4	1.8	1	1	2.6	1	2	1	

Overall Course attainment (Direct): 2.25 out of 3

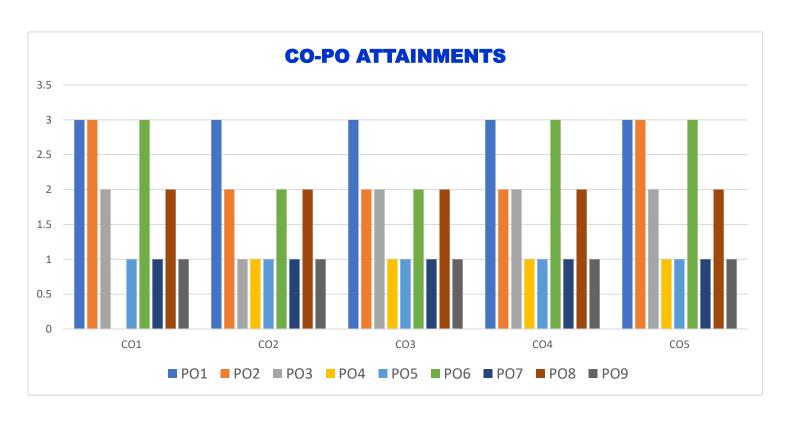
CO contribution to Programme Outcomes:

PO Attainment = (weighted average value of PO \times AF) /3

Course Code	AF	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	2.25	3	2.4	1.8	1	1	2.6	1	2	1
CO contribution to PO		2.25	1.8	1.35	.75	.75	1.95	.75	1.5	.75

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS

- > Remedial classes/Additional Tutorial classes are conducted
- More problems related to the concepts are solved to make the students understand the application orientation of the subject.



ASSESSMENT TABLE

SEMESTER-II

ВОТА	NY	PAPER-II

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)		
Total Number of Students Appeared	245	245		
Number of students Scoring above threshold(X)	212	160		
Percentage	86.36%	65.45%		
Attainment Level	3	3		
Weightage	.25*3=.75	.75*3=2.25		
Attainment factor (AF) (0.25*A+ 0.75*B)= (AF)	.75 + 2	2.25 = 3		

	SEMESTER	R-II B	ОТА	NY	PA	PER	-II				
B.Sc.	DIVERSITY OF ARCHEGON ANATOMY	NIATES &	PAPER CODE:								
Hrs/Week : 4 + 3	Hrs : 60		Credits: 5								
CODES	COURSE OUT COMES	BLOOM'S CORRELATING PROGRAM OUTCOMES TAXONOMY						ES			
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	Classify & compare Archegoniates based on their Morphology, Anatomy,Reproduction & Their life cycles.	U	3	3	2	3	2	3	1	2	1
CO2	Explain the process of Fossilization & compare the Characterstics of extinct plants	К	3	2	1	2	1	2	1	2	1
соз	Justify evolutionary trends in Tracheophytes to adapt for land habit.	Α	3	2	2	2	2	2	1	2	1
CO4	Evaluate the ecological, ethnic & economic value of different tracheophytes.	А	3	3	2	2	1	3	1	1	1
CO5	Understand on the organization of tissues & tissue systems in plants.	U	3	3	2	2	1	2	1	1	1
	CO AVERAGE		3	2.6	1.8	2.2	1.4	2.4	1	1.6	1

Overall Course attainment (Direct): 2.25 out of 3

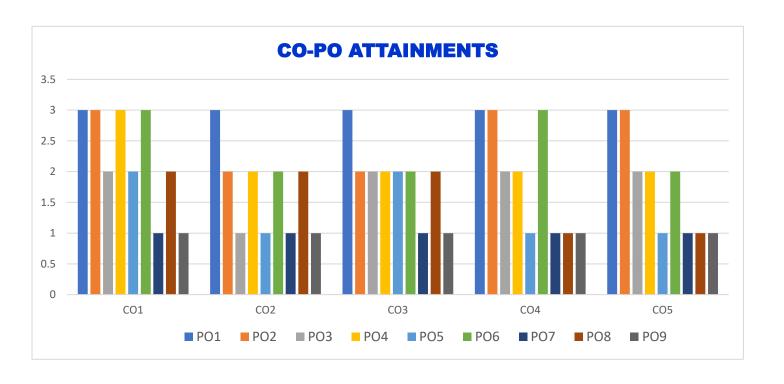
CO contribution to Programme Outcomes:

PO Attainment = (weighted average value of PO \times AF) /3

Course Code	AF	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	3	3	2.6	1.8	2.2	1.4	2.4	1	1.6	1
CO contribution PO	on to	3	2.6	1.8	2.2	1.4	2.4	1	1.6	1

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS

- > Remedial classes/Additional Tutorial classes are conducted
- > More problems related to the concepts are solved to make the students understand the application orientation of the subject.



ASSESSMENT TABLE BOTANY SEM-III PAPER-III

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)			
Total Number of Students Appeared	204	204			
Number of students Scoring above threshold(X)	204	134			
Percentage	100%	65.69%			
Attainment Level	3	3			
Weightage	.25*3=.75	.75*3=2.25			
Attainment factor (AF)	.75 + 2.25 = 3				
(0.25*A+ 0.75*B)= (AF)					

BOTANY Semester-III PAPER-III

			SEMESTE	R-II	ı							
	B.Sc.	PLANT TAXOI EMBRYOL										
Hrs	/Week : 4 + 3	Hrs : 60)	Credits: 5								
CODES	COURSE OUT COMES		BLOOM'S	COI	RRELA	ATING	PRO	GRA	M OL	JTCO	MES	
CODES				PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9
CO1	Critically understaxonomical aid of Angiosperms	К	3	3	3	2	-	3	1	2	2	
CO2	Analyze the morphology of the most common Angiosperms of their localities & recognize their families.		Α	3	3	2	2	1	2	-	2	1
CO3	Discuss the basi morphology of families.	c concepts of given Angiospermic	К	3	3	3	1	1	3	-	2	2
CO4	Illustrate & interprete various aspects of embryology.		К	3	3	3	2	1	3	1	2	1
CO5	Understand the reproductions, constages of embry	U	3	3	2	2	-	2	-	2	2	
	CO contribut	ion to PO		3	3	2.6	1.8	1	2.6	1	2	1.6

ASSESSMENT TABLE SEMESTER-III

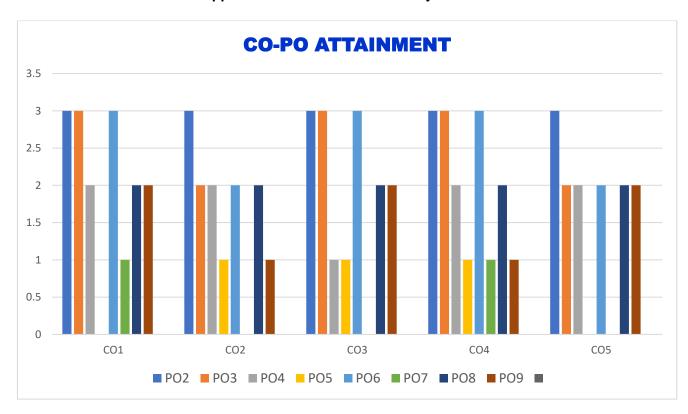
Overall Course attainment (Direct): 3 out of 3

CO contribution to Programme Outcomes: PO Attainment = (weighted average value of PO x AF) /3

Course Code	AF	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	3	3	3	2.6	1.8	1	2.6	1	2	1.6
CO contribution to PO		3	3	2.6	1.8	1	2.6	1	2	1.6

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS

- > Remedial classes/Additional Tutorial classes are conducted
- More problems related to the concepts are solved to make the students understand the application orientation of the subject.



ASSESSMENT TABLE SEMESTER-IV BOTANY PAPER-IV

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)
Total Number of Students	195	195
Appeared		
Number of students Scoring	195	144
above		
threshold(X)		
Percentage	100%	74.0%
Attainment Level	3	3
Weightage	.25*3=.75	.75*3=2.25
Attainment factor (AF)	.75 + 2.	25 = 3
(0.25*A+ 0.75*B)= (AF)		

		SEMES	TER-IV	BC	ATC	NY						
			PAPER-I	V								
	B.Sc.	PLANT	PHYSIOLOGY				PA	PER C	ODE:			
		& ME	TABOLISM									
	Hrs/Week :4 + 3	ŀ	Hrs : 60	Credits : 5								
	COURSE OUT COMES				1	1	1	1	TCOM	1	1	
CODES			BLOOM'S TAXONOMY	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9
CO1	Comprehend the importance of water in clant life & mechanism for transport of water, solutes in plants & explain the physiology of plants under stress conditions.		Α	3	3	2	1	1	3	1	2	1
CO2	Explain the role of mineral nutrition and their deficier symptoms.	=	U	3	3	1	1	1	2	1	2	1
CO3	Interprete the role of enzy plant metabolism.	mes in	Α	3	3	1	1	1	3		2	1
CO4	CO4 Understand the light reactions & carbon assimilation, Respiration & Nitrogen & Lipid metabolism.		U	3	3	2	1	1	2	1	2	1
CO5	CO5 Understand the role of Plant growth regulators on growth & development in plants.		К	3	3	2	1	1	2	1	2	1
C	O contribution to	PO		3	3	1.6	1	1	2.4	.8	2	1

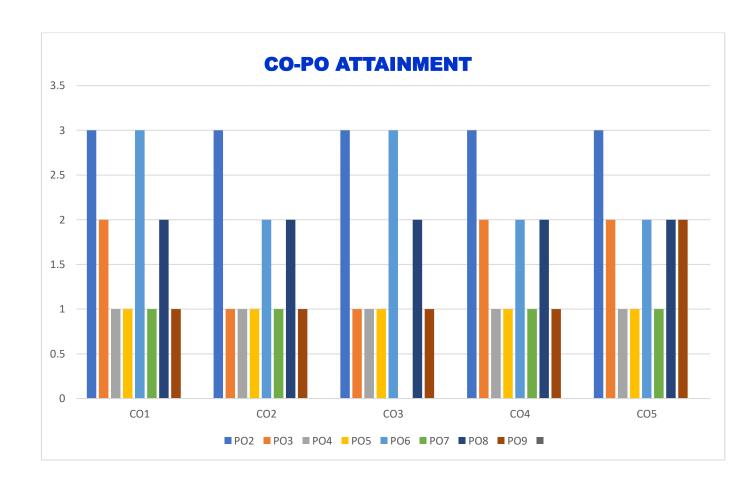
Overall Course attainment (Direct): 3 out of 3

CO contribution to Programme Outcomes: PO Attainment = (weighted average value of PO x AF) /3

Course Code	AF	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	3	3	3	1.6	1	1	2.4	.8	2	1
CO contrib		3	3	1.6	1	1	2.4	.8	2	1
to PO										

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS

- > Remedial classes/Additional Tutorial classes are conducted
- > More problems related to the concepts are solved to make the students understand the application orientation of the subject.



ASSESSMENT TABLE SEMESTER-V BOTANY PAPER - V

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)
Total Number of Students Appeared	190	190
Number of students Scoring above threshold(X)	190	154
Percentage	100%	81%
Attainment Level	3	3
Weightage	.25*3=.75	.75*3=2.25
Attainment factor (AF) (0.25*A+ 0.75*B)= (AF)	.75 + 2	2.25 = 3

	SEMES	TER-V		BO	ΓΑΝ	Y					
		PAPE	R-V								
B.Sc.	CELL BIOLOGY,GEN	ETICS&	PAPE	R COD	E:						
	PLANT BREEDING										
Hrs/Wee : 4 + 3	k Hrs: 60		Credi	its : 5							
	COURSE OUT COMES	BLOOM'S	CORF	RELATII	NG PRO	OGRAN	1 OUT	OMES			
CODES	COOKSE OUT COIVIES	TAXONOMY	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	Distinguish prokaryotic &										
CO1 Eukaryotic cells & design the			3	3	2	1	2	3	1	2	2
	model of a cell & its components.	U									
	Explain the organization of a										
CO2	eukaryotic chromosomes & the	K	3	2	2		2	2	1	1	3
	structure of genetic material.										
	Discuss the basics of Mendelian										
CO3	genetics & role extra	Α	3	2	1	1	2	3	1	2	2
	chromosomal genetic material.										
CO4	Evaluate structure ,function &	Α	3	3	1	1	2	2	1	1	2
C04	regulation of genes.	A	3	3	1	1			1	1	
	Understand the application of										
	principles in Plant breeding &										
605	Process of Selection &		3	3	2		2	2	1	2	3
COS	CO5 Hybridization for crop										
	improvement										
	CO contribution to PO		3	2.6	1.6	1	2	2.4	1	1.6	2.4

Overall Course attainment (Direct): 3 out of 3

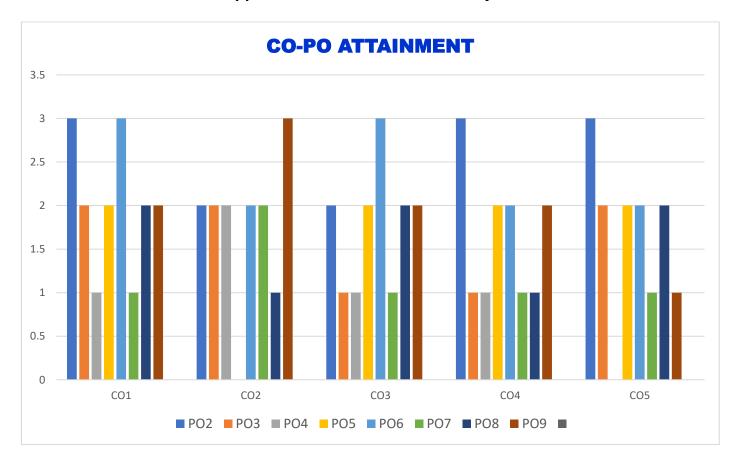
CO contribution to Programme Outcomes:

PO Attainment = (weighted average value of PO x AF) /3

Course Code	AF	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	3	3	2.6	1.6	1	2	2.4	1	1.6	2.4
CO contribution	to PO	3	2.6	1.6	1	2	2.4	1	1.6	2.4

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS

- > Remedial classes/Additional Tutorial classes are conducted
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ASSESSMENT TABLE SEMESTER-V BOTANY PAPER-VI

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)
Total Number of Students Appeared	190	190
Number of students Scoring above threshold(X)	190	150
Percentage	100%	78.5%
Attainment Level	3	3
Weightage	.25*3=.75	.75*3=2.25
Attainment factor (AF) (0.25*A+ 0.75*B)= (AF)	.75 + 2.25	5 = 3

			SEMES.	TER	-V							
		BOTA	NY	P	APE	R-V						
В	3.Sc.	PLANT ECOLOGY & PHYTOGEOGRAPH					PA	PER (CODE	:		
Hrs/W	/eek : 4 + 3	Hrs : 60		Credits : 5								
CODES	COUR	SE OUT COMES	BLOOM'S TAXONOMY	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	Discuss the Plant ecolo	К	3	3	2	2	1	3	1	1	2	
CO2	environme	ne effects of ntal & Biotic factors mmunities.	U	3	2	2	2	1	2	1	2	3
CO3	on plant communities. Appraise various Qualitative & Quantitative parameters to study the population & community ecology.		Α	3	3	2	2	1	3	1	1	3
CO4 Locate different Phytogeographical regions of the world & India & can analyze their floristic wealth.		U	3	2	2	2	1	2	1	2	2	
C	O contrib		3	2.5	2	2	1	2.5	1	1.5	2.5	

Overall Course attainment (Direct): 3 out of 3

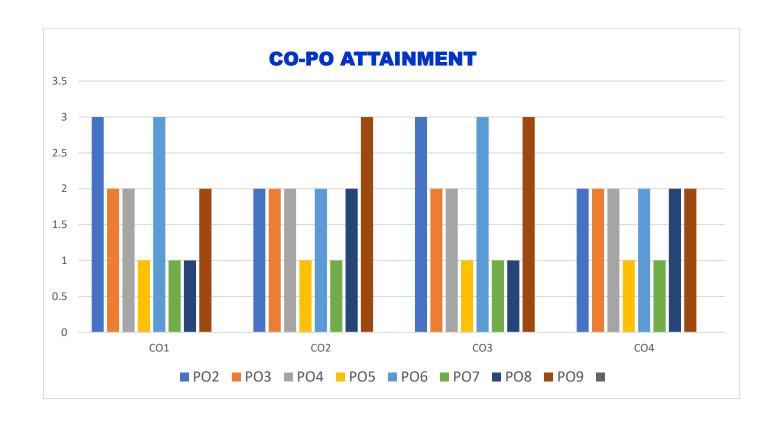
CO contribution to Programme Outcomes:

PO Attainment = (weighted average value of PO \times AF) /3

Course Code	AF	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	3	3	2.5	2	2	1	2.5	1	1.5	2.5
CO contribution to		3	2.5	2	2	1	2.5	1	1.5	2.5

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS

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BOTANY

ASSESSMENT TABLE SEMESTER-VI

PAPER-VII

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)
Total Number of Students Appeared	185	185
Number of students Scoring above threshold(X)	185	157.25
Percentage	100%	87.00%
Attainment Level	3	3
Weightage	.25*3=.75	.75*3=2.25
Attainment factor (AF) (0.25*A+ 0.75*B)= (AF)	.75 + 2	2.25 = 3

	ВС	TANY	SEME	STI	R-V	7	P	APER	R-VII					
	PLANT TISS	UE CUL1	TURE & IT	'S BI	OTE	CHNC	LOGI	CAL A	PPLI	CATIC	NS			
	B.Sc.	PAP	ER-VII				PAF	PER CC	DE:					
Hrs/	/Week : 3 + 3	Hr	rs : 60	Credits : 5										
CODES	COLUDE OUT CO	NATC	BLOOM'S TAXONOMY	NORAY										
CODES	COURSE OUT CO	COURSE OUT COMES		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9		
CO1	Comprehend the basic knowledge & applications of plant tissue culture		К	3	2	3	1	2	2	2	1	1		
CO2	Identify the various facilities required to set up a plant tissue culture lab		U	3	2	2	1	1	2	1	1	1		
CO3	Acquire a critical knowledge on sterilization techniques related to plant tissue culture.		К	3	2	2	2	1	2	1	1	1		
CO4	Demonstrate s callus culture t hands on expe	hrough	U	3	3	3	2	2	1	1	1	1		
CO5	Acquire the knowledge about process of r-DNA technology.		К	3	3	3	1	1	1	2	1	1		
CO6	Know about th applications of biotechnology	F	Α	3	3	3	1	1	2	1	1	1		
CO co	ontribution t	o PO		3	2.5	2.67	1.33	1.33	1.67	1.33	1	1		

Overall Course attainment (Direct): 3 out of 3

CO contribution to Programme Outcomes:

PO Attainment = (weighted average value of PO \times AF) /3

Course Code	AF	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
	3	3	2.5	2.67	1.33	1.33	1.67	1.33	1	1
CO contribution		3	2.5	2.67	1.33	1.33	1.67	1.33	1	1
to PO										

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