GOVT.DEGREE COLLEGE(MEN), SRIKAKULAM DEPARTMENT OF BOTANY CO-PO'S MAPPING ATTAINMENTS COURSE OUTCOMES ASSESSMENT

2019-22 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 BOTANY SEM-I PAPER-I

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)				
Total Number of Students Appeared	84	84				
Number of students Scoring above threshold(X)	76	45				
Percentage	90.47%	53.57%				
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				SEMESTER-I													
B.Sc.		MICROBIA DIVERSIT ALGAE & I	Υ,				PAI	PER CO	DE:														
Hrs/	′Week: 4 + 3	Hrs	: 60				C	redits:	5														
code	COURSE OU	UT COMES	BLOOM'S		COI	RELA	TING F	ROGR		UTCO	MES												
			ΤΑΧΟΝΟΜΥ	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9											
CO1	CO1 Explain origin of life on the earth		U	3	3	2	-	1	3	1	2	1											
CO2	O2 Illustrate diversity among the Viruses & Prokaryotic organisms & their classification.		A	3	2	1	1	1	2	1	2	1											
СОЗ	Classify Fungi, Lichens &		к	3	2	2	1	1	2	1	2	1											
CO4	Analize & ascertain the		A	3	2	2	1	1	3	1	2	1											
CO5	Evaluate the ecological economic value of Microbes & Thallophytes.		U	3	3	2	1	1	3	1	2	1											
	CO AVER	AGE		3	2.4	1.8	1	1	2.6	1	2	1											

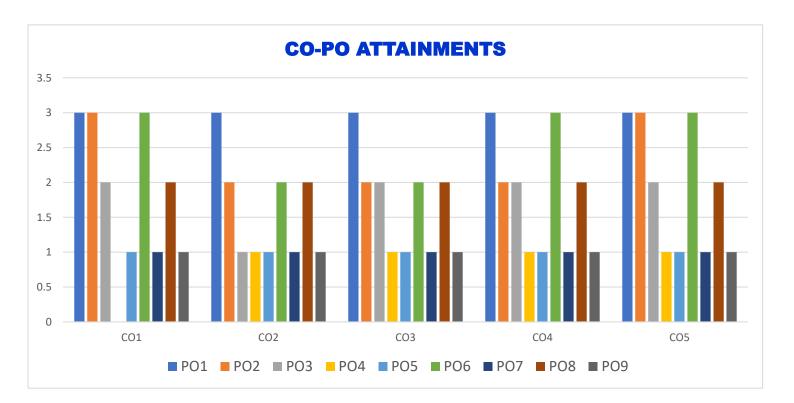
Overall Course attainment (Direct) : 2.25 out of 3 CO contribution to Programme Outcomes:

PO Attainment = (weighted average value of PO x 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 contributio	on 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

BOTANY	SEM-II PAPER-II			
PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)		
Total Number of Students Appeared	82	82		
Number of students Scoring above threshold(X)	73	47		
Percentage	89.02%	57.31%		
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		

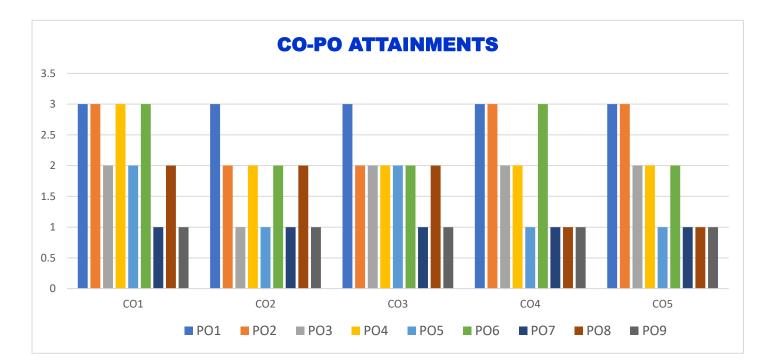
	SEMESTER	R-II B	ΟΤΑ	NY	PA	PER							
B.Sc.	DIVERSITY OF ARCHEG & ANATOMY	ONIATES	PAPER CODE:										
Hrs/Week : 4 + 3	Hrs: 60		Credits: 5										
CODES	COURSE OUT COMES	BLOOM'S TAXONOMY	CORRELATING PROGRAM OUTCOMES										
			PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9		
CO1	Classify & compare Archegoniates 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 Characteristics of extinct plants	К	3	2	1	2	1	2	1	2	1		
CO3	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		

<u>Overall Course attainment (Direct) : 2.25 out of 3</u> <u>CO contribution to Programme Outcomes:</u> PO Attainment = (weighted average value of PO x AF) /3

Course Code	AF	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9
	3	3	2.6	1.8	2.2	1.4	2.4	1	1.6	1
CO contributio 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
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ASSESSMENT TABLE BOTANY SEM-III PAPER-III

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)				
Total Number of Students Appeared	78	78				
Number of students Scoring above threshold(X)	70	51				
Percentage	89.74%	65.38%				
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 = 3					

BOTANY Semester-III PAPER-III

			SEMESTE	R-II									
	B.Sc.	NOMY & LOGY	PAPER CODE:										
Hrs	/Week: 4 + 3	Hrs : 6	0 Credits: 5										
CODES	60110		PLOOM'S	CO	RREL	ATING	6 PRC	GRA	ΜΟ	лтсо	MES		
CODES	ES COURSE OUT COMES		BLOOM'S TAXONOMY	PO 1	PO 2	PO 3	PO 4	РО 5	PO 6	PO 7	PO 8	PO 9	
CO1	Critically understand various taxonomical aids for identification of Angiosperms.		К	3	3	3	2	-	3	1	2	2	
CO2	Analize the morphology of the most common Angiosperms of their localities & recognize their families.		Α	3	3	2	2	1	2	-	2	1	
СОЗ	Discuss the bas morphology of families.	ic concepts of given Angio spermic	К	3	3	3	1	1	3	-	2	2	
CO4	Illustrate & interpret various aspects of embryology.		К	3	3	3	2	1	3	1	2	1	
CO5	Understand the reproductions, stages of embry	U	3	3	2	2	-	2	-	2	2		
C	O contribut	tion to PO		3	3	2.6	1.8	1	2.6	1	2	1.6	

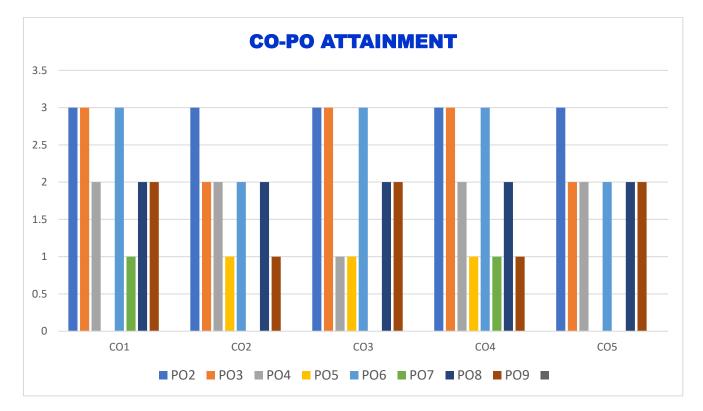
ASSESSMENT TABLE SEMESTER-III

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 contri	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
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ASSESSMENT TABLE BOTANY SEM-IV PAPER-IV

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)			
Total Number of Students	78	78			
Appeared	/8	/0			
Number of students Scoring					
above	72	52			
threshold(X)					
Percentage	92.3%	66.66%			
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 = 3				

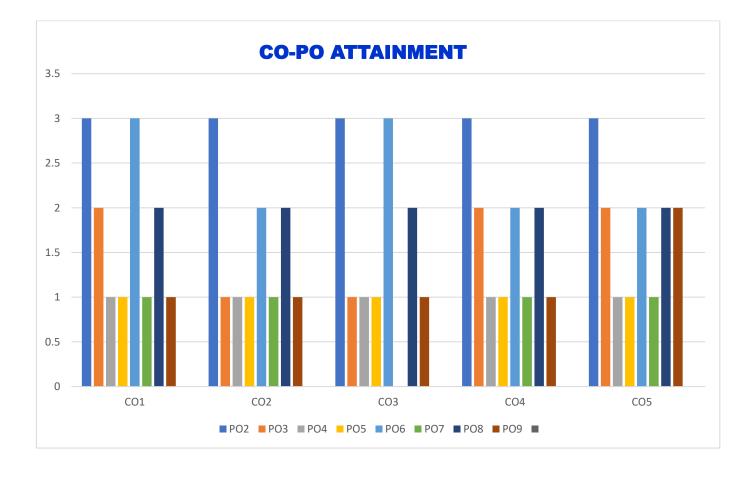
		BOTAN	Y SI	EME	STE	R-IV						
			PAPER	-IV								
в.	Sc.	PLANT PHYSIOL METABOLIS		PAPER CODE:								
Hrs/We	ek :4 + 3	Hrs : 60			Credits : 5							
				CORR	ELATIN	ig pro	OGRAN		COME	5		
		COURSE OUT COMES		РО	РО	РО	РО	РО	РО	РО	РО	РО
CODES			BLOOM'S TAXONOMY	1	2	3	4	5	6	7	8	9
CO1	O1 Comprehend the importance of water in plant 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		the role of minerals in plant on and their deficiency oms.	U	3	3	1	1	1	2	1	2	1
CO3	-	et the role of enzymes in netabolism.	Α	3	3	1	1	1	3	1	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	Understand the role of Plant growth regulators on growth & development in plants.		к	3	3	2	1	1	2	1	2	1
C	CO cor	ntribution to PO		3	3	1.6	1	1	2.4	1	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 contribution to PO		3	3	1.6	1	1	2.4	.8	2	1

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS

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	ASSESSMENT TABLE					
SEMESTER-V	BOTANY	PAPER - V				
PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)				
Total Number of Students Appeared	76	76				
Number of students Scoring above threshold(X)	70	52				
Percentage	92.1%	68.42%				
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 = 3					

	BOTANY		S	EME	STE	R-V						
		PAPE	R-V									
B.Sc.	CELL BIOLOGY, GEN PLANT BREEDING	IETICS&				PAP	ER CO	DDE:)DE:			
Hrs/Wee : 4 + 3	k Hrs : 60					Cr	edits	: 5				
	COURSE OUT COMES	BLOOM'S			NG PRC					1		
CODES		TAXONOMY	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	
CO1	Distinguish prokaryotic & Eukaryotic cells & design the model of a cell & its components.	U	3	3	2	1	2	3	1	2	2	
CO2	Explain the organization of a eukaryotic chromosomes & the structure of genetic material.	к	3	2	2		2	2	1	1	3	
CO3	Discuss the basics of Mendelian genetics & role extra chromosomal genetic material.	Α	3	2	1	1	2	3	1	2	2	
CO4	Evaluate structure ,function & regulation of genes.	Α	3	3	1	1	2	2	1	1	2	
CO5	Understand the application of principles in Plant breeding & Process of Selection & Hybridization for crop improvement	U	3	3	2		2	2	1	2	3	
CC	Contribution to PO		3	2.6	1.6	1	2	2.4	1	1.6	2.4	

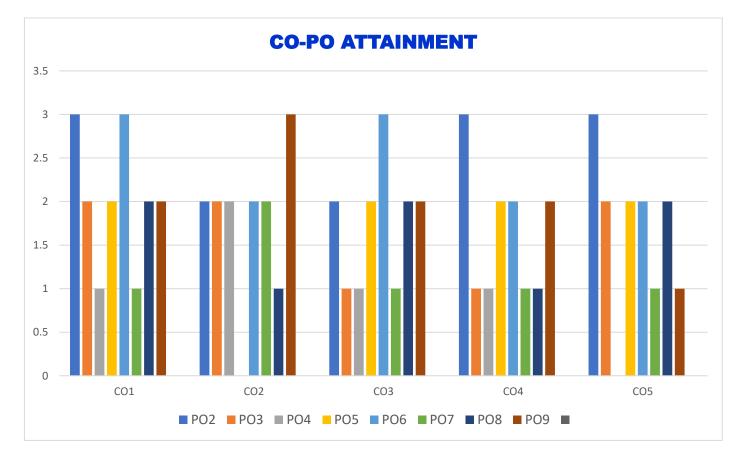
Overall Course attainment (Direct): 3 out of 3

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

Course Code	AF	P01	PO2	PO3	PO4	PO5	PO6	P07	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

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ASSESSMENT TABLE

BOTANY

SEMESTER-V

PAPER-VI

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)			
Total Number of Students Appeared	76	76			
Number of students Scoring above threshold(X)	71	55			
Percentage	93.42%	72.36%			
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 = 3				

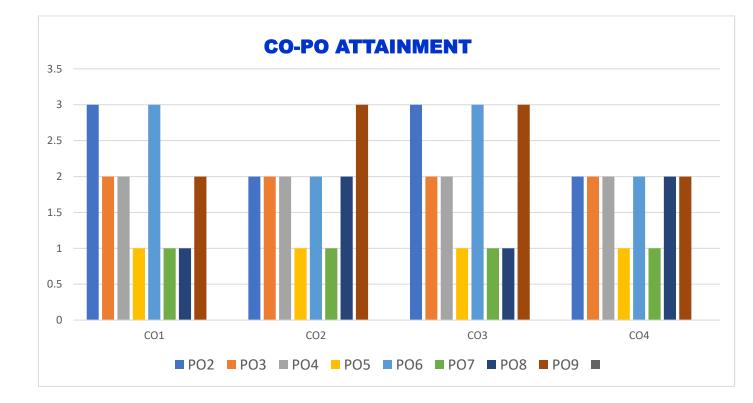
			SEMES	TER	R-V								
		BOTA	NY	P	APE	R-VI							
B	B.Sc.	PLANT ECOLO PHYTOGEOGR		PAPER CO					CODE	DE:			
Hrs/W	/eek: 4 + 3	Hrs: 60			Credits: 5								
	00110		BLOOM'S		СО	RRELA	ATING	PROC	GRAM	Ουτα	OMES		
CODES	COUR	SE OUT COMES	TAXONOMY	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	
CO1	Discuss the basic concepts of Plant ecology.		к	3	3	2	2	1	3	1	1	2	
CO2	Evaluate the effects of environmental & Biotic factors on plant communities.		U	3	2	2	2	1	2	1	2	3	
CO3	& Quantit to study t	various Qualitative ative parameters he population & ty ecology.	Α	3	3	2	2	1	3	1	1	3	
CO4	community ecology. Locate different Phytogeographical regions of the world & India & can Analise their floristic wealth.		U	3	2	2	2	1	2	1	2	2	
C	O contrib	ution to PO		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 x 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 PO		3	2.5	2	2	1	2.5	1	1.5	2.5

CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS

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ASSESSMENT TABLE

BOTANY

SEMESTER-VI

PAPER-VII

PARTICULARS	INTERNAL ASSESSMENT (A)	SEMESTER EXAM (B)			
Total Number of Students Appeared	76	76			
Number of students Scoring above threshold(X)	72	50			
Percentage	94.73%	65.78%			
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 = 3				

	BC	DTANY	SEME	ST	ER-V	/	P	APEF	R-VII			
	PLANT TISS		TURE & IT	'S BI	ΟΤΕ	CHNO	LOGI	CAL A	PPLIC	CATIO	NS	
	B.Sc.	PAP	PER-VII				PAF	PER CC	DE:			
Hrs/\	Week: 3 + 3	Hr	rs: 60				C	redits:	5			
			BLOOM'S	CORRELATING PROGRAM OUTCOMES								
CODES	COURSE OUT CO	DMES	TAXONOMY	P01	PO2	PO3	PO4	PO5	PO6	PO7	P08	PO9
C01	Comprehend the basic knowledge & applications of plant tissue culture Identify the various		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 critic knowledge on sterilization te related to plan culture.	chniques	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 to	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 x AF) /3

Course Code	AF	P01	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9
	3	3	2.5	2.67	1.33	1.33	1.67	1.33	1	1
CO contribution to PO		3	2.5	2.67	1.33	1.33	1.67	1.33	1	1

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