

**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2021 - 2022**

**ANNUAL CURRICULAR**

**PLAN (Year)**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>R.M. Sreedha</u>					CLASS: <u>T.C.B. 7+82BT</u> Semester: <u>1 Sem.</u> Paper: <u>Fundamentals of micro. b. in botany</u>								
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
<u>December</u>	<u>2</u>	<u>5T</u>	<u>Ecological &amp; Economic importance of fungi</u>	<u>—</u>	<u>will show pictures</u>	<u>1hr</u>	<u>yes</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
		<u>2P.</u>	<u>Study of Anabaena Oscillatoria using live material</u>	<u>you tube videos</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Seminar</u>	<u>1hr</u>	<u>yes</u>	<u>—</u>	<u>—</u>
	<u>3</u>	<u>5T</u>	<u>General characteristics of Algae Sketch systems of classification</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
		<u>2P.</u>	<u>Study of bacteria using permanent slides.</u>	<u>you tube videos</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
	<u>4</u>	<u>5T</u>	<u>Thallus organization &amp; life cycles of Algae.</u>	<u>—</u>	<u>Models preparation</u>	<u>1hr</u>	<u>yes</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
		<u>2P.</u>	<u>Study of fungi section cutting. puccinia.</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

\* nonvascular plants  
many well known

Signature of the Lecturer  
R.M. Sreedha

Signature of the HOD  
S. Sreedha

Signature of the Principal  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2021 - 2022**

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: <u>R.M. Sireesha</u>					CLASS: <u>TCR2, R2BT</u> Semester: <u>I Sem</u> Paper: <u>Fundamentals of microbes in human life</u>				CO-CURRICULAR ACTIVITY			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
January	1	5T	Structure & reproduction of Spirogyra & polysiphonia	—	collection of live materials	1hr	yes	—	—	—	—	—
		2P	Study of penicillium Rhizopus	will show charts	—	—	—	—	—	—	—	—
January	2	3T	Economic importance of Algae	—	Models preparation	1hr	yes	—	—	—	—	—
		2P	Study of lichens using permanent slides	—	—	—	—	—	seminar	1hr	yes	—
	3	3T	Bryophytes General characters	—	—	—	—	—	—	—	—	—
	4	5T	Classification up to classes	—	—	—	—	—	—	—	—	—

\* Non vascular plants

Signature of the Lecturer  
R.M. Sireesha

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S. Suresh

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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2021- 2022.**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					CLASS : ICBZ & BZBT Semester : I				Paper : Fundamentals of microorganisms & human welfare				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
January	4	2P	Study of Algae using permanent slides.	-	-	-	-	-	-	-	-	-	-
February	1	5T	occurrence, morphology, Anatomy, reproduction & life cycle of marchantia.	will show charts	collection of data	1hr	yes	-	-	-	-	-	-
	2	5T	life cycle of Funaria. occurrence, morphology	-	preparation of models	-	-	-	-	-	-	-	-
		2P	Study of Bryophyta using permanent slides.	-	showing Ecological instruments	1hr	yes	-	-	-	-	-	-
	3	5T	General account on Evolution of green alga in bryophytes	-	-	-	-	-	-	-	-	-	-
February	4	4P	Study of Algae & Bryophyta using permanent slides.	-	-	-	-	-	-	-	-	-	-

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*S. Anuradha*

Signature of the Principal  


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Anatomy of  
 embryo logy of  
 angioepithelioma  
 create

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER T. Vijaya durga					CLASS : II B2B1/2021 Semester : III				Paper : <i>Anatomy of embryo logy of angioepithelioma create</i>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
NOV	3rd (19-20)	1hr7	Syllabus dictation Introduction	—	—	—	—	—	—	—	—	—	—
	4th (22-27)	5hrs	organization of apical mesoderm :- Tunica - corpus theory and Histogen theory. Tissue - systems epidermal, gland and vascular.	diagrams	through charts	1hr7	YES	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—
				different types of tissues	through sections	1hr7	YES	—	—	—	—	—	—
	5th (29-30)	2hrs5	Anomalous secondary growth in. Bacteriemia of Dermatoma	diagrams. shown	shown youtube videos.	1hr7	YES	—	—	chart preparation	1hr7	YES	—
				—	—	—	—	—	—	—	—	—	—
DEC	15th (1-4)	2hrs5	cells of Immune system	—	—	—	—	—	—	—	—	—	—
			Study of Timbers of Economic Importance.	—	Studied in alg comples	1hr7.	—	—	—	—	—	—	—

Signature of the Lecturer T. Vijaya durga

Signature of the HOD S. Anusheetha

Signature of the Principal

Anatomy &

Paper : Embryology & Histology

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER T. Vijayadevi

CLASS : IICB2 (B233) Semester : III

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			Tooth, Red Sanders and Rose wood.	-	-	-	-	-	-	-	-	-	-
	2nd (6-11)	H	structure of anther, anther wall, types of tapetum.	studied different pollen grains.	microscopic studies	2hrs	yes	-	shown pollen germination	1hr	yes	-	-
			microsporogenesis and development of male gametophyte	-	-	-	-	-	-	-	-	-	-
	3rd (13-18)	H	structure of ovule, megasporogenesis, monosporic (Adiantum)	diagrams	taught through the charts.	1hr	yes	-	seminar	1hr	yes	-	-
			bisporic (Allium) and tetrasporic (Peperomia)	-	-	-	-	-	-	-	-	-	-
			types of embryo sacs	-	-	-	-	-	-	-	-	-	-

Signature of the Lecturer  
T. Vijayadevi

Signature of the HOD  
S. Anuradha

Signature of the Principal  
K. S. S. S.

**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2019 - 2020** 2021-2022

ANNUAL CURRICULAR					PLAN (Year)											
NAME OF THE LECTURER: T. Vijaya durga					CLASS: CBZ+132B5				Semester: III				Paper: Embryology of Angiosperms			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY							
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date				
	4th (20-25)	2hrs	outline of pollination, pollen pistil interaction and fertilization.	Advantages	Excursion visit	1hr	yes	-	-	field visit	1hr	yes	-			
	5th (27-31)	3hrs	Embryom-types & Biological importance free-nuclear, cellular, helobial and Ruminate.	Advantages	Practical made observation.	1hr2	yes	-	-	shown different types of endosperm						
Jan	2nd (3-8)	1hr	Introduction to Zygote embryos													

T. Vijaya durga  
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S. Anuradha

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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2019 - 2020** <sup>21</sup> - <sup>22</sup> 2021-2022

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: T. Vijayadurga					CLASS: CBZ + BZBJ			Semester: III		Paper: Embriology			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			Development of Dicot (Copeolla - tuza - Pabba) embryo	you take videos	yes	1hr	yes			embion cutting	1hr	yes	
	3rd (10-15)		orgal vacation		-	-	-	-	-	-	-	-	-
	4th (17-22)	4hrs	Ecology definition, branches and significance of ecology.	shown - different ecosystems	through field visit	1hr	yes						
			Ecosystem concepts and components, energy flow	explained.									
			Food chain, food web.	uses	in Garden visit	1hr	yes						

Signature of the Lecturer  
T. Vijayadurga

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S. Anuradha

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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE**

2021-2022

3

Anatomy and  
 Embryology of Angiosperms

**ANNUAL CURRICULAR**

**PLAN (Year)**

CLASS : CBZ + BBT Semester : II

Paper : Embryology of Angiosperms

NAMR OF THE LECTURER T. Vijayadurga

**CURRICULAR ACTIVITY**

**CO-CURRICULAR ACTIVITY**

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
	5th (24-30)	1hr	Ecological Pyramids. Plants and environment	shown videos	yes	1hr	-	-	-	-	-	-	-
			light & temperature, abiotic and biotic factors.	animations	yes	1hr	-	-	-	-	-	-	-
Feb	1st (1-5)	3hrs	ecological succession Hydrozone and Xerose	shown in grass lands pond ecology	-	-	-	-	-	-	-	-	-
			population ecology, natality, mortality, growth curves ecology		yes	1hr	-	-	-	-	-	-	-

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S. Anulekha  
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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2019 - 2020 ~~2021-2022~~

ANNUAL CURRICULAR

PLAN (Year)

NAMR OF THE LECTURER: T. Vijaya durga CLASS: CBZ P BZBT Semester: IV Paper: Embriology

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			codes										
	2nd (7-12)	1hr25	community ecology, frequency, density,										
			cover, life forms, biological spectrum	you tube videos	collection of data	1hr2	yes						
			concepts of productivity GPP, NPP & community respiration.						seminar	1hr2	yes		
	3rd (14-19)	1hr25	secondary production, P/R ratio & ecosystems										

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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2019 - 2020 2021-2022**

ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER <i>J. Vijaydurga</i>					CLASS : <i>2nd BT</i>			Semester : <i>III</i>		Paper : <i>Embryology</i>		
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
			<i>Biodiversity :- Basic concept, conception or biodiversity</i>	<i>Shown videos</i>	<i>YES</i>	<i>1hr</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>Earth-Summit.</i>									
	<i>1st (21-26)</i>	<i>1hr</i>	<i>value of biodiversity; types &amp; levels of</i>	<i>shown different maps.</i>	<i>YES</i>	<i>1hr.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>biodiversity and threats to biodiversity</i>									
			<i>Biodiversity Hotspots</i>									
			<i>principles of conservation</i>									
			<i>IUCN, NBFCA, NBA,</i>									

*J. Vijaydurga*  
Signature of the Lecturer

*S. Chinnappa*  
Signature of the HOD

*S. Chinnappa*  
Signature of the Principal

odd sem  
 cell biology  
 genetics & plant  
 breeding

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER *T. Vijaya deepa*

CLASS : *III CBZ* Semester : *V sem*

Paper : *cell biology genetics & plant breeding*

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
<i>october</i>	<i>1st &amp; 2nd</i>	<i>2hrs</i>	<i>syllabus dictation</i>	-	-	-	-	-	-	-	-	-
			<i>Introduction to cell biology.</i>	-	-	-	-	-	-	-	-	-
	<i>3rd (14-9)</i>	<i>1hr 15</i>	<i>cell, theory, prokaryotic cell.</i>	<i>will show youtube videos</i>	<i>yes</i>	<i>1hr 15</i>	<i>yes</i>	-	<i>made the students prepare models.</i>	<i>1hr 15</i>	<i>yes</i>	-
			<i>Eukaryotic cell.</i>	-	-	-	-	-	-	-	-	-
	<i>3rd (14-16)</i>	<i>1hr 15</i>	<i>Edaphic factors - components of the Eukaryotic cell.</i>	<i>will show different layers of earth-digged.</i>	<i>Group activity</i>	<i>1hr 15</i>	<i>yes</i>	-	<i>chart preparation</i>	<i>1hr 15</i>	<i>yes</i>	-
			<i>Ultra structure &amp; functions of the cell wall,</i>	-	-	-	-	-	<i>conducted seminar</i>	-	-	-
			<i>Ultra structure &amp; functions of cell membrane.</i>	<i>will show through charts</i>	<i>explanation</i>	<i>1hr 15</i>	<i>yes</i>	-	-	-	-	-

Signature of the Lecturer *T. Vijaya deepa*

Signature of the HOD *S. Anusheema*

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*cell biology*  
*genetics of*  
*plant breeding*

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER *T. Vijaya durga*

CLASS : *III CBZ* Semester : *V*

Paper : *genetics of plant breeding*

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
	<i>4th</i> <i>(18-23)</i>	<i>3hrs</i>	<i>Introduction to chromosomes</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
			<i>morphology of chromosomes</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
	<i>5th</i> <i>(25-30)</i>	<i>1hr15</i>	<i>explanation of DNA in a chromosome</i>	<i>shown youtube videos</i>	<i>yes</i>	<i>1hr</i>	<i>yes</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
			<i>cruciform model</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>will conduct seminar</i>	<i>1hr</i>	<i>yes</i>	<i>—</i>	<i>—</i>	<i>—</i>
			<i>Euchromatin &amp; heterochromatin</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
<i>Novem</i> <i>2021</i>	<i>1st</i> <i>(1-6)</i>	<i>3hrs</i>	<i>Introduction to DNA</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
			<i>DNA, structure (Watson &amp; Crick model)</i>	<i>shown the model</i>	<i>exploration</i>	<i>1hr</i>	<i>yes</i>	<i>Models preparation</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
			<i>Introduction to replication of DNA</i>	<i>shown animated</i>	<i>you-tube videos</i>	<i>1hr</i>	<i>yes</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
			<i>Semiconservative model of DNA</i>	<i>shown</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>

Signature of the Lecturer *T. Vijaya durga*

Signature of the HOD *S. Chandra*

Signature of the Principal *[Signature]*

cell biology  
 genetics of  
 plant breeding

ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER T. Vijayadurga					CLASS : III CBZ Semester : V				Paper :			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
	2nd (15-17)	3hrs	- CRT classes -	-	practice.	1hr	yes	-	will conduct seminar	1hr	yes	-
	3rd (18-20)	3hrs	I mid exam.	-								
	4th (21-23)	3hrs	Introduction to RNA.	-								
			Types of RNA m-RNA, r-RNA, t-RNA	-								
			their structure & functions	-					will conduct quiz	1hr	yes	-
	5th (24-26)	3hrs	Mendel's laws of inheritance	shown chromosomal bands	practical made exploration	1hr	yes	-				
			[Monohybrid cross]	-					JATZ session	1hr	yes	-
DEC	1st (27-29)	3hrs	Di-hybrid cross	chromosomal bands	"	1hr	yes	-				
			Back cross, Test-cross	-								

Signature of the Lecturer  
 T. Vijayadurga

Signature of the HOD  
 S. Anuradha

Signature of the Principal

**ANNUAL CURRICULAR**

**PLAN (Year)**

cell biology  
 genetic  
 plant breeding

CLASS : **III CBZ** Semester : **V**

Paper :

NAMR OF THE LECTURER **T. Vijayadurga**

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			chromosomal mapping 2-point & 3-point test cross	problems	solving problems	1hr	yes	-					
									will conduct Training	1hr	yes	-	
	2nd (12-11)	1hr	Introduction to linkage,	explained different examples	lecture. method	1hr	yes	-					
			concept, complete and incomplete linkage.						will conduct Seminar	1hr	yes	-	
			coupling & repulsion.										
	3rd (12-18)	1hr	Introduction to crossing over.	shown you tube videos	Animated videos	1hr	yes	-					
			concept of significance										
	4th (20-25)	2hrs	Introduction & objectives of- plant breeding										

Signature of the Lecturer  
**T. Vijayadurga**

Signature of the HOD  
**S. Anulekha**

Signature of the Principal  
**Kalyan**

cell biology  
 genetics of  
 plant breeding

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER *J. Vijayadurga*

CLASS : *VI CBZ* Semester : *V*

Paper : *cell biology, genetics of plant breeding*

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			Methods of crop improvement,	✓	—	—	—	—	—	—	—	—	—
			procedure, advantages & limitations of introduction, selection & Hybridization (outlines only)	Field visit	—	1	—	—	—	—	—	—	—
			different crossing techniques are taught	—	—	—	—	—	—	—	—	—	—
			Role of mutations in crop improvement	advantages	—	—	—	—	—	—	—	—	—
	<i>5th - 20th</i>	<i>11hrs</i>	Role of somaclonal variation in crop improvement	—	—	—	—	—	—	—	—	—	—
			molecular breeding	—	—	—	—	—	—	—	—	—	—
	<i>Jan</i>	<i>11.5 - 20th</i>	use of DIAL	—	—	—	—	—	—	—	—	—	—
			parents in plant breeding and crop improvement (RIPD, REEP).	USE S.	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—	—

Signature of the Lecturer *J. Vijayadurga*

Signature of the HOD *S. Anusudha*

Signature of the Principal *[Signature]*

ANNUAL CURRICULAR					PLAN (Year)											
NAME OF THE LECTURER: T. Vijayadevi					CLASS: III CBZ				Semester: V				Paper: cell biology, gene HES & plant breeding			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY							
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date				
	1st	-	school holidays	-	-	-	-	-	-	-	-	-	-			
	2nd	3	practicals	-	-	-	-	-	-	-	-	-	-			
	3rd	4	revision classes	-	-	-	-	-	-	-	-	-	-			
Feb	1st	4	practicals	-	-	-	-	-	-	-	-	-	-			

Signature of the Lecturer: T. Vijayadevi

Signature of the HOD: e. chinnappa

Signature of the Principal: [Signature]



**ANNUAL CURRICULAR**

**PLAN (Year) Botany**

NAMR OF THE LECTURER S. ANURADHA

CLASS : III CBZ Semester : I sem

Paper : Ecology & Phyto geography

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
October	(1 <sup>st</sup> -2 <sup>nd</sup> ) 1 <sup>st</sup> (date)	1 hr.	Syllabus dictation & Introduction	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup> (4 <sup>th</sup> -9 <sup>th</sup> )	4 hrs.	Ecology - definition, branches & significance : light & temperature precipitation	Ecological significance	will make the students tell about each branch	1	Yes	-	will Make them prepare charts	1	Yes	-	-
	3 <sup>rd</sup> (11 <sup>th</sup> -16 <sup>th</sup> )	4	Edaphic factors - origin & soil formation composition of soil soil profile	Different soil types & their significance	will Make the students being diff. soil samples.	1	Yes	-	will Make them to check the pH of different soil samples.	1	Yes	-	-
			Biotic factors - Intexn bet. Plants & animals.	Examples for each intexn.	-	-	-	-	-	-	-	-	-

Signature of the Lecturer  
S. Anuradha

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S. Anuradha

Signature of the Principal  


**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER S. Anuradha

CLASS : III CBZ Semester : V

Paper : Ecology

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
	4 <sup>th</sup> (18 <sup>th</sup> -23 <sup>rd</sup> )	3 hrs	Components of Ecosystem	will be shown You tube videos.	Yes	1	Yes	-	-	-	-	-	-
			Energy flow, food chain,	4	Yes	11	Yes	-	-	-	-	-	-
			food web, Ecological pyramids	11	Yes	1	Yes	-	will Prepare models for Ecological pyramids.	1hr	Yes	-	-
	5 <sup>th</sup> (25 <sup>th</sup> -30 <sup>th</sup> )	4 hrs	Productivity of Ecosystem - P, 2° & net productivity	-	-	-	-	-	-	-	-	-	-
			Biogeochemical cycles - Nitrogen cycle	Will be shown You tube Videos.	Yes	1	Yes	-	will Prepare charts for N, C, P cycles.	1hr	Yes	-	-
			carbon & Phosphorus cycle	-	-	-	-	-	-	-	-	-	-
			Population concepts & Components of ecosystem.	-	-	-	-	-	-	-	-	-	-
Novem-ber	1 <sup>st</sup> (1 <sup>st</sup> -6 <sup>th</sup> )	3 hrs	Characteristics Energy flow Ecotypes Food chain, Food web	-	-	-	-	-	-	-	-	-	-

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**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER *S. Anuradha*

CLASS : *III CBZ* Semester : *V*

Paper : *Ecology*

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			<i>Energy pyramids characteristics of Plant community</i>	-	-	-	-	-	-	-	-	-	-
			<i>Interexns between plants growing in a community</i>	-	-	-	-	-	-	-	-	-	-
	<i>2nd (8th-13th)</i>	<i>4 hrs</i>	<i>- CRT classes</i>	-	-	-	-	-	-	-	-	-	-
	<i>3rd (15th-20th)</i>	<i>4 hrs</i>	<i>I mid-sem</i>	-	-	-	-	-	-	-	-	-	-
	<i>4th (22nd-27th)</i>	<i>4 hrs</i>	<i>Principles of Phytogeography</i>	-	-	-	-	-	-	-	-	-	-
			<i>Phytogeographic distribution</i>	-	-	-	-	-	-	-	-	-	-
			<i>Phytogeographic regions of India</i>	<i>will be shown the regions in</i>	<i>will make the students gather information on those regions</i>	<i>1hr</i>	<i>Yes</i>	-	<i>will give seminars on those regions &amp; their importance</i>	<i>1hr</i>	<i>Yes</i>	-	-
	<i>5th (29-30th)</i>	<i>1hr</i>	<i>Phytogeographic regions of the world</i>	<i>You tube</i>	<i>gather information on those regions</i>		-	-			-	-	-

Signature of the Lecturer  
*S. Anuradha*

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*[Signature]*

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER *S. Anuradha*

CLASS : *II CBZ* Semester : *V*

Paper : *Ecology*

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
<i>Dec</i>	<i>1st (1st-4th)</i>	<i>4 hrs</i>	<i>Endemism - types &amp; causes.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>quiz</i>	<i>1hr</i>	<i>Yes</i>	<i>-</i>	
			<i>Definition &amp; levels of Biodiversity.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
			<i>Biodiversity - Hotspots</i>	<i>You tube Videos.</i>	<i>Yes</i>	<i>1hr</i>	<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
	<i>2nd (5th-11th)</i>	<i>4 hrs.</i>	<i>Loss of B.D - causes</i>	<i>Reasons &amp; factors for loss of Biodiversity</i>	<i>Yes</i>	<i>1hr</i>	<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
			<i>Conservation of B.D - In situ &amp; Ex-situ.</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
	<i>3rd (13-18th)</i>	<i>4 hrs</i>	<i>Seed Banks.</i>	<i>Videos.</i>	<i>Yes</i>	<i>1hr</i>	<i>Yes</i>	<i>-</i>	<i>Assignment on Seed Banks.</i>	<i>1hr</i>	<i>Yes</i>	
			<i>Conservation of genetic resources.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
			<i>Importance of seed Banks.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
	<i>4th (20-25)</i>	<i>2hrs.</i>	<i>christmas vacation.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	

Signature of the Lecturer

*S. Anuradha*

Signature of the HOD

*S. Anuradha*

Signature of the Principal

*[Signature]*

ANNUAL CURRICULAR					PLAN (Year)									
NAMR OF THE LECTURER <u>S. Anusudha</u>					CLASS : <u>IV CBZ</u> Semester :				Paper : <u>Ecology</u>					
MONTH	WEEK *	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY					
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date		
	5 <sup>th</sup> (27 <sup>th</sup> -31 <sup>st</sup> )	2	Revision classes											
Jan	2 <sup>nd</sup> W. (30 <sup>th</sup> -8 <sup>th</sup> )	3	Practicals -											
	3 <sup>rd</sup> W. (10 <sup>th</sup> -15 <sup>th</sup> )	—	Pongal Vacation -											
	4 <sup>th</sup> (17 <sup>th</sup> -22 <sup>nd</sup> )	3	Practicals -											
	5 <sup>th</sup> (24 <sup>th</sup> -29 <sup>th</sup> )	4	Revision classes -											
Feb			Practicals -											
			Practical Examinations											
March			Revision classes -											

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S. Anusudha

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