

**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

**ANNUAL CURRICULAR**

**PLAN (Year)**

*Fundamentals of microbes & non vascular plants*

CLASS : *ICBZ / B2BT* Semester : *I*

Paper : *non vascular plants*

**CO-CURRICULAR ACTIVITY**

VAMR OF THE LECTURER *T. Vijayadevi*

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>1st</i>	<i>2nd</i>	<i>3 Theory hrs</i>	<i>Introduction about course &amp; paper.</i>		<i>3 hrs</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>Syllabus dictation &amp; explained about syllabus</i>	<i>shown youtube videos</i>			<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>Introduction to origin of life.</i>			<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
		<i>4 lab hrs</i>	<i>Knowledge of microbiology laboratory practices and safety rules</i>	<i>shown different equipments &amp; working principles</i>		<i>4 hrs</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>3rd</i>	<i>11 Theory hrs</i>	<i>concept of primary abiogenesis, miller &amp; urey experiment.</i>			<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>five kingdom classification of R.H. Whittaker.</i>	<i>taught through videos</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

*T. Vijayadevi*  
Signature of the Lecturer

Signature of the HOD  
*S. Anuradha*

Signature of the Principal  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAME OF THE LECTURER <u>T. Vijayadurga</u>					CLASS : <u>I CBZ</u>				Semester : <u>I</u>				Paper : <u>Fundamentals of microbiology</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				
			Discovery of micro-organisms.		-	-	-	-	-	-	-	-	-	-		
		4 practical hrs	Knowledge of different equipment/ for microbiology laboratory.		-	-	-	-	-	-	-	-	-	-		
		11 Theory Hrs	Pasteur experiments, germ theory of diseases	taught through the youtube	-	-	-	-	-	-	-	-	-	-		
			shape & symmetry of viruses; structure of TMV and Coxsackie virus		will show images	1hr	yes	-	-	-	-	-	-	-		
			virus multiplication of TMV.		-	-	-	-	seminar	1hr	yes	-	-	-		
			Absrief account on prions and viroids	created awareness	-	-	-	-	-	-	-	-	-	-		

T. Vijayadurga  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAME OF THE LECTURER: T. Vijayadurga					CLASS: TCBZ @ BZBJ Semester: I				Paper: fundamentals of microbes & non vascular plants.			
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
Nov	1 <sup>st</sup>	4 Hrs	Demonstration of Gram's staining	make them practice in staining by using butter milk.	—	—	—	—	made them to prepare charts	—	—	—
			Technique for bacteria		—	—	—	—	—	—	—	—
Nov	5 <sup>th</sup>	Theory 4 Hrs	A general account on symptoms of plant diseases caused by viruses. Transmission of plant viruses and their control.	show different plants	—	—	—	—	—	—	—	—
				show the different mode of transmission.	—	—	—	—	quiz on viruses	1hr	yes	—
Dec	1 <sup>st</sup>	6 Theory 4 Hrs	significance of viruses in vaccine production, biopesticides and as abring vectors.	show the you-tube videos	—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—

T. Vijayadurga  
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**CURRICULUM LECTURER WISE 2022 - 2023**

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER <i>T. Vijayadevige</i>					CLASS : <i>ICAZ A BZ BT</i>			Semester : <i>I</i>		Paper : <i>Fundamentals of microbes &amp; non vascular plants</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
Dec	3rd	4P	study of Archaeobacteria and Actinomycetes using permanent slides/ electron micro graphs / diagrams	will show you-tube videos	—	—	—	—	—	—	—	—
	4th	12 theory hrs	Bacterial Recombination conjugation, Transformation & Transduction	—	—	—	—	—	—	—	—	—
			Economic importance of Bacteria with reference to their role in Agriculture and industry.	—	Group Discussion Economic imp of Bacteria	1hr	yes	—	quiz on Bacteria	1hr	yes	—
			fermentation & medicine.	—	—	—	—	—	—	—	—	—

*T. Vijayadevige*  
Signature of the Lecturer

*S. Dhruvachandra*  
Signature of the HOD

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Signature of the Principal



**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <i>T. Vijayadurga</i>					CLASS: <i>J</i>	Semester: <i>J</i>			Paper: <i>Fundamentals of microbiology</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>Dec</i>	<i>11th</i>	<i>2</i>	<i>study of Anabaena and Oscillatoria using permanent temporary slides.</i>	<i>shown live materials</i>	—	—	—	—	—	—	—	—	—
				<i>microscopic observation.</i>	—	—	—	—	—	—	—	—	—
<i>Dec</i>	<i>5th</i>	<i>13</i>	<i>General account theory on symptoms of</i>	—	—	—	—	—	—	—	—	—	—
			<i>about diseases caused by bacteria citrus canker</i>	<i>taught by drawing live flora</i>	—	—	—	—	—	—	—	—	—
			<i>General characters of fungi &amp; Alinsworth</i>	—	—	—	—	—	<i>quiz on Bacteria</i>	<i>1hr</i>	<i>yes</i>	—	—
			<i>classification.</i>	—	—	—	—	—	—	—	—	—	—

*T. Vijayadurga*  
Signature of the Lecturer

*S. Anuradha*  
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Signature of the Principal



**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: T. Vijayadevara					CLASS: ICBZ4 BBT Semester: I				Paper: Fundamentals of microbes				
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	
Dec	5th	4 Lab	study of different bacteria (Cocci, bacillus, vibrio and spirillum)	Taught through charts	—	—	—	—	—	—	—	—	—
Jan.	1st	13 Theory	Structure, reproduction and life history of Rhizopus and	shown live material.	—	—	—	—	—	—	—	—	—
			puccinia; economic uses of fungi in food industry, pharmacy and agriculture.	—	—	—	—	—	make them to write. Assignments	1hr	yes	—	—
				Group Discussion Rhizopus	—	—	—	—	—	—	—	—	—
		4 Lab	Fungi: - Rhizopus penicillium, puccinia	shown different live materials	—	—	—	—	—	—	—	—	—
	2nd	7 Theory	A general account on symptoms of plant diseases caused by bacteria, fungi	shown different plants	—	—	—	—	—	—	—	—	—

T. Vijayadevara  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <i>J. Vijaya durga</i>					CLASS: <i>I CBZ &amp; BZ BT</i> Semester: <i>I</i>				Paper: <i>Fundamentals of Microbes</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>Blast of Rice.</i>		—	—	—	—	—	—	—	—	—
<i>Jan</i>	<i>3rd</i>	<i>6</i>	<i>Lichens structure and reproduction.</i>	<i>Taught through pictures</i>	—	—	—	—	—	—	—	—	—
			<i>ecological and economic importance</i>		—	—	—	—	<i>will conduct seminar</i>	<i>1hr</i>	<i>yes</i>	—	—
		<i>4</i>	<i>Algae: - value, spores, Ectocarpus and polysiphonia.</i>	<i>shown pictures.</i>	<i>projector based class</i>	<i>1hr</i>	<i>yes</i>	—	—	—	—	—	—
	<i>4th</i>	<i>10</i>	<i>General characters of algae (pigments, flagella and reserve food material)</i>		—	—	—	—	—	—	—	—	—
			<i>fresh classification</i>		—	—	—	—	—	—	—	—	—

*J. Vijaya durga*  
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**CURRICULUM LECTURER WISE 2022 - 2023**

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER

*T. Vijaya durga*

CLASS : *T CBZ / BZ BT*

Semester : *T*

Paper : *Fundamentals of Microscopy*

**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
	<i>2nd</i>	<i>2 Lab</i>	<i>TMV disease.</i>	<i>Taught by showing charts</i>	—	—	—	—	—	—	—	—
	<i>3rd</i>	<i>2 Theory</i>	<i>General characters of bryophytes.</i>	—	—	—	—	<i>Seminar</i>	<i>1hr</i>	<i>yes</i>	—	—
	<i>4th</i>	<i>13 Theory</i>	<i>classification of Bryophytes upto classes.</i>	—	<i>Projector class</i>	<i>1hr</i>	<i>yes</i>	—	—	—	—	—
			<i>occurrence &amp; morphology of Marchantia.</i>	<i>shown by youtube videos</i>	—	—	—	—	—	—	—	—
		<i>2 Lab</i>	<i>Citrus comber</i>	<i>shown live material.</i>	—	—	—	—	—	—	—	—
	<i>5th</i>	<i>4 Theory</i>	<i>Anatomy, reproduction in Marchantia.</i>	<i>taught through permanent slides</i>	—	—	—	—	—	—	—	—

*T. vijayadurga*  
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**CURRICULUM LECTURER WISE 2022-2023**

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAME OF THE LECTURER *J Vijayadurga*

CLASS : *I CBE (BIB)* Semester : *I*

Paper : *Fundamentals of microbes*

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>Jan</i>	<i>4th</i>	<i>H Lab</i>	<i>Bryophyta :- Marchantia.</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>H Theory</i>	<i>Trochus organization and life cycles in Algae</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
<i>Feb</i>	<i>1st</i>	<i>9 Theory</i>	<i>occurrence, structure, reproduction and life cycle of e) spring, v) a</i>	<i>—</i>	<i>class room seminar Bacteria cell structure.</i>	<i>1hr</i>	<i>yes</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
		<i>H Lab</i>	<i>Bryophyta :- Funaria.</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>quiz</i>	<i>1hr</i>	<i>yes</i>	<i>—</i>
	<i>2nd</i>	<i>12 Theory</i>	<i>Parasitism Life cycle. economic importance of Algae.</i>	<i>—</i>	<i>class room seminar Symptoms of bacterial Diseases</i>	<i>1hr</i>	<i>yes</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>
				<i>—</i>		<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		<i>—</i>	<i>—</i>	<i>—</i>

*J. Vijayadurga*  
Signature of the Lecturer

*S. Anuradha*  
Signature of the HOD

Signature of the Principal

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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022-2023**

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER <u>T. Vijayadurga</u>					CLASS : <u>III CBZ</u>			Semester : <u>I</u>		Paper : <u>Fundamentals</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
March	1st	9 Theory	occurrence, morphology, anatomy, reproduction in <u>Fungi</u> .	—	class room seminar Economic importance of <u>Bacteria</u> .	1hrs	yes	—		—	—	—
		4 Lab.	Blast of <u>Rice</u> .	—		—	—	—		—	—	—
	2nd	13 Theory	General account on evolution of <u>sporophytes</u> in <u>Bryophytes</u> .	—		—	—	—	will conduct JAYZ	—	—	—
		4 Labs	Review on total practical syllabus.	—		—	—	—		—	—	—
	3rd	13 Theory	Classification on syllabus.	—	class room seminar <u>Polysiphonia</u> .	—	—	—		—	—	—

T. Vijayadurga  
Signature of the Lecturer

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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

**ANNUAL CURRICULAR**

**PLAN (Year)**

**NAMR OF THE LECTURER**

**CLASS :**

**Semester :**

**Paper :**

**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
March	3rd	4	study hours on practical	—	—	—	—	—	—	—	—	—
	4th	10	study hours. theory.	—	—	—	—	—	—	—	—	—
		4	practise. on sections.	—	—	—	—	—	—	—	—	—

*J. Virupaksha*  
Signature of the Lecturer

*S. Chinnappa*  
Signature of the HOD

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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022- 2023**

ANNUAL CURRICULAR					PLAN (Year) 2022-2023							
NAME OF THE LECTURER: B.M. Sireesha					CLASS: III B-2 BT Semester: III sem Paper: Plant Anatomy, Embryology & Angiosperm Ecology				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
Novem	1	5T	Anatomy of Angiosperms - organisation of apical meristems Tissue systems	-	-	-	-	-	-	-	-	-
	2	3P	Section cutting of Boerhaavia & Dracaena	-	-	-	-	-	-	-	-	-
	3	5T	Tissue systems. Anamalous Secondary growth of Boerhaavia	-	preparati ong models	-	-	-	-	-	-	-
	4	5T	Anamalous Secondary growth of Dracaena	-	-	-	-	-	-	-	-	-
December	1	5T	Study of Timber. of Economic Impat- ance. Teak, Red Sandies, Rosewood	-	-	-	-	-	Student Seminar conduct	1	Yes	-
	2	4T	Study of Anther, microsporangens.	-	-	-	-	-	-	-	-	-

Signature of the Lecturer

B.M. Sireesha

Signature of the HOD

S. Suresh

Signature of the Principal

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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 20 - 20**  
**PLAN (Year)**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <i>B. M. Sireesla</i>					CLASS : <i>II BZBT</i> Semester : <i>III</i>				Paper : <i>Plant Anatomy Embryology &amp; Ecology</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>December</i>	<i>3</i>	<i>4T</i>	<i>development of male gametophyte structure of ovule megasporogenesis</i>	-	-	-	-	-	-	-	-	-	-
	<i>4</i>	<i>4T</i>	<i>development of female gametophyte pollination.</i>	-	-	-	-	-	-	-	-	-	-
<i>January</i>	<i>1</i>	<i>5T</i>	<i>pollen pistil interaction &amp; fertilization.</i>	-	-	-	-	-	<i>class room seminar conduct.</i>	<i>1</i>	<i>yes.</i>	-	-
	<i>2</i>	<i>4T</i>	<i>Endosperm types free nuclear, cellular helobial. Ruminate Development of Dicot.</i>	-	-	-	-	-	-	-	-	-	-
	<i>3</i>	<i>3T</i>	<i>Basis of Ecology. Ecosystem.</i>	-	-	-	-	-	-	-	-	-	-
	<i>A</i>	<i>5T</i>	<i>Ecosystem Energy flow, food chain food webs, pyramids. Concepts of productivity.</i>	-	-	-	-	-	<i>Class room seminar conducted.</i>	<i>1</i>	<i>yes.</i>	-	-

Signature of the Lecturer  
*B.M. Sireesla*

Signature of the HOD

*S. Anuradha*

Signature of the Principal

*Sridha*



**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>B.M. Sireeshan</u>					CLASS: <u>CBZBT</u>	Semester: <u>III</u>	Paper: <u>Plant Anatomy, Embryology, Angiosperm 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	
<u>February</u>	<u>1</u>	<u>3T</u>	<u>Ecological succession, population ecology.</u>	-	-	-	-	-	-	-	-	-	-
	<u>2</u>	<u>2P</u>	<u>Study of permanent slide, tissue organisation, Embryo</u>	-	-	-	-	<u>Quiz</u>	<u>1</u>	<u>yes.</u>	-	-	-
	<u>3</u>	<u>5T</u>	<u>Community Ecology, Concepts of productivity, Secondary production, Biodiversity.</u>	-	-	-	-	-	-	-	-	-	-
	<u>4</u>	<u>2P</u>	<u>Study of Endoparasitism using permanent slides.</u>	-	-	-	-	-	-	-	-	-	-
	<u>3</u>	<u>5T</u>	<u>value of biodiversity, levels of biodiversity, Threats, Hotspot, Conservation, Role of NBPGR &amp; NBP</u>	-	-	-	-	<u>Class room Seminar.</u>	<u>1 hr.</u>	<u>conducted.</u>	-	-	-
	<u>4</u>	<u>2P</u>	<u>Quantitative analysis of vegetation in campus, mapping of bioreserve, Hotspot</u>	-	-	-	-	-	-	-	-	-	-


Signature of the Lecturer

B.M. Sireeshan

Signature of the HOD

S. dnureedha

Signature of the Principal





odd Semester - V

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU  
CURRICULUM LECTURER WISE 2022- 2023

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER					CLASS : III B2BT & CBZ Semester : V				Paper : GC Plant tissue culture				
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	4 <sup>th</sup>	4+2	Introduction and explanation of syllabus and	-	-	-	-	-	Seminars	1hr	Yes	-	
			Basic concepts of plant tissue culture.	-	-	-	-	-	-	-	-	-	
Nov	5 <sup>th</sup>	4+2	Plant tissue culture: definition, history,	-	-	-	-	-	-	-	-	-	
			scope & significance, Totipotency, differentiation,	-	shown ppt's	1	Yes	-	-	-	-	-	
			dedifferentiation and Redifferentiation	-	-	-	-	-	Quiz	1	Yes	-	
Dec	1 <sup>st</sup>		Types of cultures Infrastructure and equipment	-	shown photos of tissue culture laboratory	1	Yes	-	-	-	-	-	

Signature of the Lecturer

K. Satya Sree

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S. Chinnappa

Signature of the Principal

S. Satya



SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2022- 2023

ANNUAL CURRICULAR

PLAN (Year)

NAMR OF THE LECTURER K. Satya Sri CLASS: III BZBT & CBZ Semester: V Paper: 6C - Plant tissue culture.

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	
			required to establish a tissue culture laboratory	-	-	-	-	-	-	-	-	-	-
Dec	2 <sup>nd</sup>		Sterilization techniques and culture media,	-	shown ppt's of physical and chemi-	1	Yes	-	-	-	-	-	-
			Aseptic conditions - fumigation.	-	cal sterilization techniques	-	-	-	-	-	-	-	-
Dec	3 <sup>rd</sup>		hlet and dry sterilization, UV sterilization	-	shown photos of sterilization equipments	1	Yes	-	class room seminar	1	Yes	-	-
			ultrafiltration technique.	-	-	-	-	-	-	-	-	-	-
Dec	4 <sup>th</sup>		Nutrient media composition of commonly used	-	-	-	-	-	Make students to prepare media	1	Yes	-	-

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K. Satya Sri

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S. Dhruvachari

Signature of the Principal

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**ANNUAL CURRICULAR**

**PLAN (Year)**

6c - Plant Tissue

NAMR OF THE LECTURER

K. Satya Sri

CLASS : III BZ BT & CB2 Semester : IV

Paper : Culture.

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	
			nutrient culture media with respect to their contents like inorganic chemicals	—	—	—	—	—	—	—	—	—	—
			organic constituents, vitamins, amino acids etc.	videos	—	—	—	quiz	1+1	Yes	—	—	—
Dec	5 <sup>th</sup>		Composition and Preparation of Murashige and Skoog culture medium and explain Callus culture techniques.	—	—	—	—	—	—	—	—	—	—
			Shoog culture medium and explain Callus culture techniques.	—	—	—	—	shown ppt's of callus culture	4	Yes	—	—	—
Jan	1 <sup>st</sup>		Explant: Definition, different explants for tissue culture; shoot tip, axillary buds, leaf discs, cotyledon, inflorescence and floral organs, their isolation	—	—	—	—	shown photos of different explants	1	Yes	—	—	—
				—	—	—	—	class room Seminar	1	Yes	—	—	—

Signature of the Lecturer

K. Satya Sri

Signature of the HOD

S. Anuradha

Signature of the Principal

Satya Sri



6c- plant tissue culture

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAME OF THE LECTURER

K. Satya Sri

CLASS : III B2BT & CB2

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	
			and surface sterilization.	—	—	—	—	—	—	—	—	—	—
Jan	2 <sup>nd</sup>		Inoculation methods, callus culture: Definition various steps in callus cultures, Initiation and maintenance of callus.	—	—	—	—	—	—	—	—	—	—
				—	2 hours ppt's of steps in	1	Yes	—	—	—	—	—	—
				—	Callus culture	—	—	—	—	—	—	—	—
Jan	3 <sup>rd</sup>		Growth measurements and subculture Somaclonal variation, Micropropagation. Direct and indirect morphogenesis	—	—	—	—	—	—	—	—	—	—
				—	Shown photos of Micro propagation	1	Yes	—	Quiz	1	Yes	—	—
				—		—	—	—	Make students to prepare models	1	Yes	—	—
Jan	4 <sup>th</sup>		Organogenesis, state of PGR's Somatic embryogenesis and Synthetic seeds Greenhouse hardening unit operation and management.	—	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	class room Seminar	1	Yes	—	—
				—	—	—	—	—	—	—	—	—	—

Signature of the Lecturer

K. Satya

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S. Chinnappa

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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					CLASS : III BZBT & CBZ Semester : V								
					GC - Plant				Paper : Tissue Culture				
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	
Jan	5 <sup>th</sup>		Acclimatization and hardening of Plantlets - need.	-	-	-	-	-	-	-	-	-	-
			Process, packaging exports. Pathogen (virus) indexing - significance, methods, advantages, applications.	-	1	Yes	-	-	-	-	-	-	-
			Applications of Plant tissue culture	-	-	-	-	Class room Seminar	1	Yes	-	-	-
Feb	1 <sup>st</sup>		Germ plasm conservation, Cryopreservation methods.	-	-	-	-	-	-	-	-	-	-
			slow growth, application and limitations	-	-	-	-	-	-	-	-	-	-
Feb	2 <sup>nd</sup>		Cryoprotectants, plant transformation techniques and bioreactors.	-	-	-	-	-	-	-	-	-	-
			Production of secondary metabo-	-	-	-	-	-	-	-	-	-	-
Feb	3 <sup>rd</sup>			-	-	-	-	Quiz	1	Yes	-	-	-

Signature of the Lecturer  
K. Satya Sri

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

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER

K. Satya Sree

CLASS : III BZBT & CB2 semester : V

6c- plant  
Paper : tissue culture

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	
Feb	3rd	-	lities - optimization of yield, commercial aspects, application, limitations	-	-	-	-	-	-	-	-	-	-
		-	Transgenic plants - gene transfer	-	shown ppt's on transgenic plants	1	Yes	-	-	-	-	-	-
		-	methods - BT cotton.	-	-	-	-	class room seminar	1	Yes	-	-	-
		-		-	-	-	-	-	-	-	-	-	-
		-		-	-	-	-	-	-	-	-	-	-
		-		-	-	-	-	-	-	-	-	-	-
		-		-	-	-	-	-	-	-	-	-	-
		-		-	-	-	-	-	-	-	-	-	-
		-		-	-	-	-	-	-	-	-	-	-

Signature of the Lecturer

K. Satya Sree

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S. Chinnappa

Signature of the Principal

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Odd Semester - V

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU  
CURRICULUM LECTURER WISE 2022 - 2023

ANNUAL CURRICULAR

PLAN (Year)

NAME OF THE LECTURER J. Bharathi

CLASS : III BZBT & CBZ

Semester : V

Paper : 7C - Mushroom cultivation

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	
November	4 <sup>th</sup> week	04+2	Mushrooms Definition, Structure, lifecycle & history.	(Fungi) mushroom classification	—	—	—	—	—	—	—	—	—
			Scope of mushroom cultivation, differences between edible & poisonous	—	—	—	—	—	—	—	—	—	—
			Morphological features of edible Mushrooms	—	—	—	—	—	—	—	—	—	—
	5 <sup>th</sup> week	04+2	Medicinal mushrooms and their medicinal values.	—	—	—	—	—	—	—	—	—	—
			Small & large village commercial unit. layout of a farm	—	—	—	—	—	—	—	—	—	—
Dec	1 <sup>st</sup> week	"	location, building plot bulk, compost chamber facilities	—	—	—	—	—	—	—	—	—	—

J. Bharathi  
Signature of the Lecturer

S. Anuradha  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

**ANNUAL CURRICULAR**

**PLAN (Year)**

VAMR OF THE LECTURER

J. Bharathi

CLASS : III CBZ & BZBT

Semester : V

Paper : FC-Mushroom Cultivation

**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
Dec	2nd week	04+02	compost & composting machinery, material required	—	—	—	—	—	—	—	—	—
			Methods of composting long & short method of composting.	—	—	—	—	—	—	—	—	—
Dec	3rd week	04+2	Spawn & Spawning definition, facilities	—	—	—	—	—	—	—	—	—
			Preparation of spawn substrate	—	—	—	—	—	—	—	—	—
Dec	4th week	04+02	casing - Definition Importance of casing mixture	—	—	—	—	—	—	—	—	—
			Quality parameters of casing soil, Types of casing mixtures.	—	—	—	—	—	—	—	—	—

J. Bharathi  
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S. Anuradha  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <u>J. Bharathi</u>					CLASS : <u>III CBZ &amp; BZBT</u> Semester : <u>V</u>				Paper : <u>7C- Mushroom cultivation</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	
Dec	5th week	04+2	commonly used materials in casing mixture	—	—	—	—	—	—	—	—	—	—
			"	—	—	—	—	—	—	—	—	—	—
Jan	1st week	04+02	Button mushroom cultivation (Raw material, Compost, Spawning)	—	—	—	—	—	—	Class Room Seminar	1+1	Yes	—
			casing, cropping and problems in cultivation	—	—	—	—	—	—	quiz in mushroom cultivation	1	Yes	—
Jan	and week	04+2	Oyster mushroom cultivation (Raw material, compost, Spawning)	—	—	—	—	—	—	Class Room Seminar	02	Yes	—
			casing, cropping & problems in cultivation	—	—	—	—	—	—				

J. Bharathi  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER

J. Bharathi

CLASS : III CBZ & BZBT

Semester : V

Paper : 7C - Mushroom cultivation

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	
Jan	3rd week	04/02	Milky mushroom cultivation (Raw material, compost, Spawning, casing, cropping & problems in cultivation)	-	-	-	-	-	-	-	-	-	-
Jan	4th week		Paddy Straw mushroom cultivation (Raw material, compost, Spawning, casing, cropping & problems in cultivation)	-	-	-	-	Class Room Seminar	02	Yes	-	-	-
Jan	5th week		disease & pest management strategies	-	-	-	-	Class Room Seminar		Yes	-	-	-
			picking & packing of cultivated mushrooms (edible)	-	-	-	-	Quiz on mushroom cultivation		-	-	-	-

J. Bharathi  
Signature of the Lecturer

S. Anuradha  
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[Signature]  
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**SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU**  
**CURRICULUM LECTURER WISE 2022 - 2023**

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER - J. Bhasathi					CLASS : III CB2 & BZBT			Semester : V		Paper : FC - Mushroom cultivation			
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	
Feb	1st week	04+2	Shelf life of mushroom- preservation of mushrooms	-	-	-	-	-	-	Quiz	1	Yes	-
			Freezing, dry freezing drying & canning	-	-	-	-	-	-	-	-	-	-
"	2nd week	04+2	Quality assurance & entrepreneurship	-	-	-	-	-	-	Class Room Seminar	02	Yes	-
			economics of different types of mushrooms Value added products	-	-	-	-	-	-	-	-	-	-
	3rd week	04+2	Management of spent substrate	-	-	-	-	-	-	-	-	-	-
			waste disposable management of mushrooms	-	-	-	-	-	-	-	-	-	-

J. Bhasathi  
Signature of the Lecturer

S. Anusudha  
Signature of the HOD

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