

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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: J. Bharathi					CLASS: I BZBI & CBZ			Semester: II		Paper: <i>Basis of Vascular plants and Phytogeography</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	
June	3 rd week	10	General characteristics of pteridophytes, classification	—	—	—	—	—	—	seminar	1hr	yes	—
			Morphology, Anatomy, reproduction - Lycopodi - um	—	will show charts	1hr	yes	—	—	—	—	—	—
	4 th week		Morphology, Anatomy, reproduction - Marselia	—	—	—	—	—	—	—	—	—	—
			Stelar Evolution, Heterospory & seed habit	—	will show models	1hr	yes	—	—	—	—	—	—
	5 th week	06	General characters of Gymnosperms classification	—	—	—	—	—	—	quiz	1hr	yes	—
			Morphology, Anatomy of cycas	—	—	—	—	—	—	—	—	—	—

Signature of the Lecturer

J. Bharathi

Signature of the HOD

S. chandrasekhar

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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: <i>J. Bharathi</i>					CLASS: <i>I BZBT & CBZ</i>				Semester: <i>II</i>				Paper: <i>Basics of vascular plants and phytogeography</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>July</i>	<i>1st week</i>	<i>04</i>	<i>Reproduction of cycas</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		
			<i>Morphology, Anatomy, reproduction - Gnetum</i>	<i>will show you tube videos</i>	<i>will show models</i>	<i>1hr</i>	<i>yes</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		
	<i>2nd week</i>	<i>10</i>	<i>outlines of geological time scale</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>class Room Seminar</i>	<i>1</i>	<i>Yes</i>	<i>—</i>	<i>—</i>		
			<i>Morphology, Anatomy of cycadeoidea</i>	<i>—</i>	<i>charts</i>	<i>1hr</i>	<i>yes</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		
			<i>Reproduction of cycadeoidea</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		
	<i>3rd week</i>	<i>10</i>	<i>Basic aspects of Taxonomy - Aim & Scope</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>		

Signature of the Lecturer

J. Bharathi

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S. Anuradha

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Sahithi

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

ANNUAL CURRICULAR

PLAN (Year)

Basis of vascular plants &

NAMR OF THE LECTURER

J. Bhasathi

CLASS : I BZBT & CBZ

Semester : II

Paper :

Phytogeography

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	
			Species concept: Taxonomic hierarchy, Species, genus, family	—	—	—	—	—	—	class room Seminar	1	Yes	—
			plant Nomenclature Binomial system	you tube videos	charts	1hr	Yes	—	—	—	—	—	—
	4th week	10	ICBN rules for Nomenclature	—	—	—	—	—	—	—	—	—	—
			Herbarium & its techniques.	—	Made them collecting plants for herbarium	1	Yes	—	—	—	—	—	—
			BSI herbarium, concepts digital herbaria Kew herbarium	—	—	—	—	—	—	—	—	—	—
	5th week	10	Bentham & Hooker system of classification	campus flora	—	—	—	—	—	—	—	—	—

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S. Anulekha

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

ANNUAL CURRICULAR					PLAN (Year)				Basis of vascular plants & phyto				
NAME OF THE LECTURER: <u>J. Bharathi</u>					CLASS: <u>I BZCE & BZBT</u> Semester: <u>II</u>				Paper: <u>-geography</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	
			Systematic description of Tononony	—	—	—	—	—	—	—	—	—	—
			Amnaceae	All Amnaceae family plants shown through pictures	Simple microscopic observation of plant parts	—	Yes	—	Quiz	1	NO	—	23/7/22
			Cucurbitaceae	—	"	—	Yes	—	—	—	—	—	—
August	1st week	10	Systematic description of Asteraceae	Shown different Asteraceae family plants	Simple microscopic observation of plant parts	—	Yes	—	—	—	—	—	—
			Asclepidaceae	—	"	—	Yes	—	Seminar	1	Yes	—	—
			Amaranthaceae	Set an example of a plant belong to Amaranthaceae	"	—	Yes	—	collecting different Amaranthaceae family plants	—	—	—	—

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S. Shreedha

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S. Sridha

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CURRICULUM LECTURER WISE 2021 - 2022

ANNUAL CURRICULAR					PLAN (Year)				Basis of vascular plants & Phylogeography				
NAME OF THE LECTURER: J. Bharathi					CLASS: I CBZ & BZBT Semester: II				Paper: Phylogeography				
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	
August	2nd week	10	Systematic descriptions Economic Imp of Arecaceae	—	—	—	—	—	—	—	—	—	—
			Euphorbiaceae	—	Simple microscopic observation	—	Yes	—	Seminar	1	Yes	—	—
			Poaceae	—	"	—	Yes	—	Herbarium Preparation	—	—	—	—
	3rd week	06	outlines of APG System of Classification	Previous APG System explained through flowcharts	—	—	—	—	—	—	—	—	—
			Introduction to phylogeography	—	—	—	—	—	Seminar	1	Yes	—	—
			Principles of phyto-geography	—	—	—	—	—	—	—	—	—	—

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J. Bharathi

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S. Chinnappa

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CURRICULUM LECTURER WISE 2021 - 2022

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER <u>J. Bhasathi</u>					CLASS : <u>I B2 BT & CB2</u>			Semester : <u>II</u>		Paper : <u>Basis of Vascular plants & phytogeography</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
	4th week		Distribution of phytogeography	—	—	—	—	—	Seminar	1	Yes	—
			Endemism - types and causes.	—	—	—	—	—	—	—	—	—
	5th week	04	phytogeographic regions of world	—	—	—	—	—	Seminar	1	Yes	—
			phytogeographic regions of India	—	—	—	—	—	quiz	1	No	30/9/2
Sep	1st week	04	Vegetation types in A.P	—	—	—	—	—	Seminar	1	Yes	—
				—	—	—	—	—	—	—	—	—

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J. Bhasathi

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Plant Physiology & Metabolism

Plant Physiology

ANNUAL CURRICULAR

PLAN (Year)

NAMR OF THE LECTURER *B. Sathya Devi*

CLASS : *III BZ-1A2B5* Semester : *IV*

Paper : *Plant Physiology*

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	
May	1st	3	Syllabus dictations Introduction	videos	—	—	—	—	—	—	—	—	—
			Importance of plant life, Physical Properties of the	—	charts preparation	1hr	yes	—	—	—	—	—	—
			Diffusion, Imbibition Osmosis	—	—	—	—	—	—	—	—	—	—
	2nd	4	Water potential, Osmotic potential, Pressure potential	models	—	—	—	Seminar	1hr	yes	—	—	—
			Absorption and lateral transport of water, Ascent of sap	—	—	—	—	—	—	—	—	—	—
			Transpiration, Stomata structure and mechanism of stomatal movement	—	—	—	—	quiz	1hr	yes	—	—	—
	3rd to	4th	Summer vacation	—	—	—	—	Seminar	1hr	yes	—	—	—
June	1st	4	Mechanism of Phloem transport	charts	models preparation	1hr	yes	—	—	—	—	—	—
			Source - sink relation - Ships	—	—	—	—	—	—	—	—	—	—

Signature of the Lecturer
B. Sathya Devi

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S. Anuradha

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ANNUAL CURRICULAR

PLAN (Year)

NAME OF THE LECTURER *K. Sathya*

CLASS: *IT (B2+B3)* Semester: *IV*

Paper: *Plant Physiology*

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>June</i>	<i>1st</i>	<i>4</i>	<i>Essential/micro nutrients and their role in plants. Symptoms of mineral deficiency</i>										
			<i>Essential macro nutrients & their role in plants. Symptoms of mineral deficiency</i>	<i>will show videos</i>									
	<i>2nd</i>	<i>4</i>	<i>Absorption of mineral ions passive & Active process</i>		<i>models preparation</i>	<i>1hr</i>	<i>yes</i>						
			<i>characteristics, nomenclature & classification of enzymes</i>										
	<i>3rd</i>	<i>4</i>	<i>Mechanism of enzyme action</i>										
			<i>Enzyme kinetics</i>						<i>Seminar</i>	<i>1hr</i>	<i>yes</i>		
			<i>Respiration, Aerobic & Anaerobic</i>	<i>charts</i>									
	<i>4th</i>	<i>4</i>	<i>Glycolysis</i>		<i>charts preparation</i>	<i>1hr</i>	<i>yes</i>						
			<i>Krebs cycle</i>										

Signature of the Lecturer
K. Sathya

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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 - B.M. Sireesha					CLASS III CBZ + BZBT Semester: IV				Cell Biology, Genetics and Paper: 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	
May	1st	3	Syllabus dictations Introduction	-	-	-	-	-	-	-	-	-	-
			definition of cell Biology Cell theory	-	-	-	-	-	-	-	-	-	-
			Introduction to prokaryotic & structure & functions cell	diagrammatic Explanation	taught through charts	1hr	Yes	-	-	-	-	-	-
	2nd	4	Structure and compounds of plant cell	-	-	-	-	-	Seminar	1hr	Yes	-	-
			ultrastructure & Functions of cell wall	model shown	-	-	-	-	-	-	-	-	-
			ultrastructure of chloroplast, plasmid DNA	-	-	-	-	-	Seminar	1hr	Yes	-	-
	3rd to	4th	Summer Vacation	-	-	-	-	-	online Quiz	1hr	Yes	-	-
June	1st	4	Chromosomes morphology, Organisation of DNA	Video made Explanation	Yes	1hr	-	-	Seminar	1hr	Yes	-	-
			Euchromatin & Heterochromatin	-	-	-	-	-	-	-	-	-	-

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B.M. Sireesha

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ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER: B.M. Siresha					CLASS: II CB2+IB2BT Semester: IV							
					CURRICULAR ACTIVITY				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
June	1st	4	Types of RNA (mRNA, r-RNA etc)	Videoshow	-	-	-	-	Assignment	1hr	Yes	-
			Structure and function of DNA & RNA	will show videos	-	-	-	-	-	-	-	-
	2nd	4	Mendel's laws of Inheritance		model Preparation	1hr	Yes	-	-	-	-	-
			monohybrid, dihybrid cross, 3-point & 2-point Test cross	problems	shown Charcoal board	1hr	Yes	-	-	-	-	-
	3rd	4	Linkage and crossing over		-	-	-	-	Seminar	1hr	Yes	-
			Linkage & coupling Repulsion	concept	-	-	-	-	-	-	-	-
			Introduction & objectives of plant Breeding		-	-	-	-	-	-	-	-
	4th	4	RAPD, RFLP		charts preparation	1hr	Yes	-	-	-	-	-
			Breeding methods		-	-	-	-	-	-	-	-

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B.M. Siresha

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

ANNUAL CURRICULAR					PLAN (Year)				Cluster-1- plant diversity & Human welfare				
NAME OF THE LECTURER: J. Bharathi					CLASS: III CB2 (Cluster) Semester: VI				PAPER: 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	
April	4th Week	5	Genetic diversity, Species diversity	Basics of biodiversity	-	-	-	-	-	-	-	-	-
			Plant diversity at ecosystem level Agrobiodiversity		-	-	-	-	-	-	-	-	-
			Values & uses of Biodiversity, uses of plants		-	-	-	-	will make them to write different uses of plants	01	Yes	-	-
April	5th Week	4	Loss of genetic & Species diversity		Loss of genetic/ species diversity - with examples								
			Loss of Ecosystem diversity, Agrobiodiversity	Ecosystem Importance & threats to Ecosystem					will make them to write common reasons for loss of diversity	01	Yes	-	-
			IUCN, UNEP, UNESCO, WWF, NBPGR	Red data books, Recently extinct species etc	made them to collect endangered species names	01		made them to collect endangered species names					

Signature of the Lecturer
J. Bharathi

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S. Chinnappa

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

ANNUAL CURRICULAR					PLAN (Year)				C ₁ - plant diversity & Human			
NAME OF THE LECTURER: J. Bhasathi					CLASS: III CBZ		Semester: VI		Paper: 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
May	1st week	5	Bio-diversity legislation & Conservations	-	-	-	-	-	will make them differentiate the diversities on earth	01	Yes	-
			Bio-diversity information management									
			EIA, GIS		will make prepare charts of EIA & GIS	01	Yes	-				
May	2nd week	5	IUCN, UNEP						make them write objectives of IUCN, UNEP	01	Yes	-
			UNESCO		UNESCO functions & objectives are discussed	01	Yes	-				
			WWF, NBPGR.						Class Room Seminars	01	Yes	-

Signature of the Lecturer
J. Bhasathi

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S. Anulekha

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

ANNUAL CURRICULAR					PLAN (Year)				Cluster-1 - plant diversity & Human				
NAME OF THE LECTURER <u>J. Bharathi</u>					CLASS : <u>III CB2 (Clusters)</u> Semester : <u>V</u>				Paper : <u>Welfare</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	
June	2nd week	5	Summer Holidays	-	-	-	-	-	-	-	-	-	-
			Sustainable development.	-	-	-	-	-	-	-	-	-	-
			Soil, water waste management	-	-	-	-	-	make them write solid, liquid management's seen in recent years	01	Yes	-	-
11	3rd week	5	Conservation of genetic & Species diversity		Conservation of genetic & Species diversity charts prepared	01	Yes	-	-	-	-	-	-
			Social approaches to conservation, Awareness Programme	Teach them to how to approach the people through awareness Program	-	-	-	-	Class Room Seminar	01	Yes	-	-
11	4th week	5	Sustainable development	Definition of Sustainable development etc	-	-	-	-	Group discussion	01	Yes	-	-

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CURRICULUM LECTURER WISE 2021- 2022

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER: <u>J. Bharathi</u>					CLASS: <u>III CB2</u>				Semester: <u>V</u>		Paper: <u>Welfare</u>		C1- plant diversity & Human	
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		
June	4th week	"	Avenue trees, Imp of forestry	Forest products examples						class Room Seminar	1	Yes	-	
"	5th week	04	ornamental plants of India	Examples for ornamental plants in India	will planned to show them different types of ornamental plants	01	Yes	-	-	-	-	-	-	
			Alcoholic beverages through ages	History of alcohol preparation	will planned to show them many alcoholic based products	01	Yes	-	-	class Room Seminar	01	Yes	-	
July	1st week	01	Important fruit crops their commercial Imp	different types of fruit crops available in India	-	-	-	-	-	will make them to write fruit yielding plants	01	Yes	-	
"	2nd week		Fiber & their uses	-	-	-	-	-	-	will make them to write fibres yielding plants	01	Yes	-	

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CURRICULUM LECTURER WISE 2021 - 2022

ANNUAL CURRICULAR					PLAN (Year)				C1 - plant diversity & Human			
NAME OF THE LECTURER <i>J. Bhasathi</i>					CLASS : <i>III B.Sc CBZ</i> Semester : <i>VI</i>				Paper : <i>welfare</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>July</i>	<i>3rd week</i>	<i>05</i>	<i>Revision classes</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>class Room Seminar</i>	<i>1</i>	<i>Yes</i>	<i>-</i>
			<i>"</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>Quiz</i>	<i>1</i>	<i>Yes</i>	<i>-</i>
<i>July</i>	<i>4th week</i>		<i>Revision classes</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>class Room Seminar</i>	<i>1</i>	<i>Yes</i>	<i>-</i>

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cluster

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

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>B.M. Sireesha</u>					CLASS: <u>III CBZ</u>				Semester: <u>V Sem</u>		Paper: <u>cluster, Ethnobotany</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	
April	4 th	5-T	Ethnobotany. Introduction & scope of Ethnobotany	-	-	-	-	-	-	-	-	-	-
		2-P	Study of medicinal plants	-	-	-	-	-	-	-	-	-	-
	5 th	5-T	major & minor group of tribal of India & their life styles	-	-	-	-	-	-	-	-	-	-
		2-P	Specimens as per theory	-	-	-	-	-	-	-	-	-	-
May	1 st	4-T	plants used by tribal populations food plants, intoxicants Resins, oils	-	-	-	-	-	-	class room seminar	1	yes	-
		2-P	morphological characters of medicinal plant	-	-	-	-	-	-	-	-	-	-

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 20 - 20

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <i>B.M. Sreedhar</i>					CLASS : <i>III CBZ</i>				Semester : <i>VI</i>		Paper : <i>Ethnobotany</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	
June	2nd	5-T	Role of Ethano botany in modern medicine.	—	—	—	—	—	—	—	—	—	—
		2-D	morphological characters of medicinal plants	—	—	—	—	—	—	seminar	1hr	yes	—
	3rd	5-T	medico ethano botanical sources in India.	—	preparation of charts	1hr	yes	—	—	—	—	—	—
		2-D	Anatomical characters of medicinal plants	—	—	—	—	—	—	—	—	—	—
	4th	5-T	Significance of ethanobotanical practices. <i>cinny</i> <i>Azardita Indira</i> <i>Sanjivani</i>	—	—	—	—	—	—	Quiz	1	yes	—
		2-P	Importance of medicinal plants <i>Vitex negundo</i>	—	—	—	—	—	—	—	—	—	—

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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: B. M. Sireesha					CLASS: III CBZ				Semester: VI		Paper: cluster Ethnobotany		
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	
June	5 th	3-T	glehnia Superba tribulus terrestris phyllanthus niruri cassia auriculata	—	—	—	—	—	—	—	—	—	—
		2-P	uses of traditional medicine	—	—	—	—	—	—	classroom seminar	1	yes	—
July	1 st	2-T	Indigofera tinctoria Role of ethnic groups conservation.	—	—	—	—	—	—	—	—	—	—
		2-P	uses of traditional medicine	—	—	—	—	—	—	—	—	—	—
	2 nd	3-T	Sharing of weather concept Bionomy of IPR	—	—	—	—	—	—	classroom seminar.	1	yes	—
		2-P	uses of traditional medicine	—	—	—	—	—	—	—	—	—	—

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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 <i>B.M. Sreedha</i>					CLASS: <i>III CBZ</i>				Semester: <i>VI</i>		Paper: <i>Climate & Ethnobotany</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>3rd</i>	<i>4-T</i>	<i>Ayurvedha. Siddha unani</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>class room seminar conduct.</i>	<i>-</i>	<i>-</i>	<i>-</i>	
	<i>4th</i>	<i>5-T</i>	<i>Endemic Endangered species Red list criteria insitu conservation</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
		<i>2-P</i>	<i>Exsitu conservation.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>classroom seminar conduct.</i>	<i>-</i>	<i>-</i>	<i>-</i>	

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CURRICULUM LECTURER WISE 2021- 2022

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER J. Bhasathi					CLASS : III B.Sc CBZ Semester : VI				Paper : C ₂ - pharmacognasy & phytochemistry			
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
June	3rd week	05	Tannins, Glycosides, anthra-quinones	-	-	-	-	-	class Room Seminar	1	Yes	-
			Coumarins & furanocoumarins Betacyanins		Some important features of coumarins Betacyanins	01	Yes	-	class Room Seminar	1	Yes	-
			Stilbenes, lignins, lignans, steroids, sterols etc	Structures of Stilbenes, lignin, Steroids, sterols	-	-	-	-	will make them to write harmful effects of steroids consumption	01	Yes	-
June	4th week	05	Alkaloids, Volatile oils	-	-	-	-	-	Alkaloids & volatile oil names charts	01	Yes	-
			Aromatherapy	-	Will planned to show the process of Aromatherapy	01	Yes	-	-	-	-	-
June	5th week	03	Vaccines	Invention, procedure for vaccine preparation	-	-	-	-	will make them to write different Vaccines names	01	Yes	-

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

ANNUAL CURRICULAR					PLAN (Year)				C ₃ - pharmacognasy & phytochemistry				
NAME OF THE LECTURER: J. Bharathi					CLASS: VI CBZ				Semester: VI				
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	
June	11	11	Tonins, tannoids, Antitoinins, Anti serum	difference b/w tonins & tannoids Anti serum	will planned to show them Antiberum	01	Yes	-	-	-	-	-	-
July	1st week	02	Immunoglobulins	Invention Activity.	will teach them Immunoglobulins Importance & Role in the body	01	Yes	-	-	will make them to write Ig in the body	01	Yes	-
July	2nd week	05	Tumor Inhibitors PAF Antagonists	Tumor treatment diet plans	-	-	-	-	-	will make them to external charactrs reason for tumor formation	01	Yes	-
July	3rd week	03	Antionidant & phyto estrogens	Antionidant & phyto estrogens definitions.	will make them to learn Antionidant & phyto estrogen importance	01	Yes	-	-	Class Room Seminar	1	Yes	-
			Role of Enzyme Inhibitors	-	-	-	-	-	-	will make them to write/learn Role of enzymes in reactions	01	Yes	-
July	4th week	02	Revision	-	-	-	-	-	-	Quiz	2	Yes	-

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CURRICULUM LECTURER WISE 2021- 2022

ANNUAL CURRICULAR					PLAN (Year)				C3 - pharmacognony & phytochemistry			
NAME OF THE LECTURER J. Bharathi					CLASS : III BSc CBZ		Semester : II		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
July	4th week	02	Revision	-	-	-	-	-	class Room Seminar	1	Yes	-
									class Room Seminar	1	Yes	-

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CURRICULUM LECTURER WISE 2021- 2022

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>B.M. Sreedha</u>					CLASS: <u>HUCBZ</u>	Semester: <u>1st sem</u>			Paper: <u>Plant Tissue Culture & Biotechnological application</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	
April	4 th	5-T	plant tissue culture - History, callus culture, meristem culture, organ culture, totipotency	—	—	—	—	—	—	—	—	—	—
		2-P	To show how to prepare m.s media	—	—	—	—	—	—	—	—	—	—
	5 th	5-T	Sterilization technique m.s media, Callus subculture organogenesis	—	showing of youtube videos	1	Yes.	—	—	—	—	—	—
		2-P	Demonstration of sterilization inoculation.	—	—	—	—	—	—	—	—	—	—
May	1 st	4-P	Somatic Embryo genesis. Endosperm culture.	—	—	—	—	—	—	—	—	—	—
		2-P	Construction of restriction map	—	—	—	—	—	—	—	—	—	—

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CURRICULUM LECTURER WISE 2021- 2022

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <u>B. M. Sreedha</u>					CLASS : <u>III CBZ</u>				Semester :		Paper : <u> elective paper</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	
June	2 nd	5-T	Embryoculture production of secondary metabolites Cryopreservation	—	—	—	—	—	—	—	—	—	—
		2-P	Study of gene transfer using photographs.	—	—	—	—	—	—	—	—	—	—
	3 rd	5-T	Geoplasm conservation Restriction Endonucleases, restriction mapping	—	—	—	—	Class room Seminar	1	Yes	—	—	—
		2-P	Different steps involved in genetic Engineering	—	—	—	—	—	—	—	—	—	—
	4 th	5-T	Cloning vectors types. Gene cloning. primediated cloning	—	—	—	—	—	—	—	—	—	—
		2-P	Study of isolation of plasmid DNA.	—	—	—	—	—	—	—	—	—	—

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CURRICULUM LECTURER WISE 20~~21~~ 20 22

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER <u>D.P. Srinivas</u>					CLASS : <u>IV CIBZ</u>				Semester : <u>IV</u>		Paper : <u>plant tissue culture</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		
June	5 th	3-T	Construction of genomic DNA library, colony hybridisation.	—	—	—	—	—	—	—	—	—	—	
		2-P	genetic engineering photographs.	—	—	—	—	—	—	—	—	—	—	
July	1 st	2-T	colony hybridisation. methods of gene transfer.	—	—	—	—	—	Class room Seminar	1	Yes.	—	—	
		2-P	Study project.	—	—	—	—	—	—	—	—	—	—	
July	2 nd	3-T	methods of gene transfer. selection of transgene.	—	—	—	—	—	—	—	—	—	—	
		2-P	Study project	—	—	—	—	—	—	—	—	—	—	

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B.K. Sreenivas

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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: <u>B.M. Sreedha</u>					CLASS: <u>III CBZ</u> Semester: <u>VI</u> Paper: <u>Elective paper</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
	3 ^d	4-T	Applications of plant genetic engineering	—	—	—	—	—	—	—	—	—
			Study of student project	—	—	—	—	—	—	—	—	—
	4 th	5-T	Genetic modification, transgenic plants examples	—	—	—	—	—	Quiz	1	Yes.	—
		2-P	Study project	—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—	—

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B.M.Sreedha

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S. Sreedha

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