

ANNUAL CURRICULAR					PLAN (Year) 2019-20								
NAMR OF THE LECTURER S. ANURADHA					CLASS : <u>III NBC</u> Semester : <u>VI</u>				Paper : <u>M.B - Elective</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	
Nov	1 <sup>st</sup>	-	Skill Devpt. classes for final year students	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	4	Syllabus Dictation Introduct. to paper	-	-	-	-	-	-	-	-	-	-
Dec	1 <sup>st</sup>	4	scope & Apps of Microbial BT Bioprocesses	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	4	PGPR, Mycorrhizae, genetically engineered microbes	-	1	Yes	-	A tribute to Robert Koch (Assembly event)	-	Yes	-	-	-
			Bacteria Yeast	-	-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	2	I mid- sem	-	-	-	-	Kisan Diseases (A Tribute to farmers)	-	Yes	-	-	-
	4 <sup>th</sup>	1	christmas vacation	-	-	-	-	-	-	-	-	-	-
Jan	1 <sup>st</sup>	4	Recombinant microbial production of streptokinase, Hepatitis → Bioplastics	processes	1	Yes	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-

Signature of the Lecturer

S. Anuradha

Signature of the HOD

S. Anuradha

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NAMR OF THE LECTURER					CLASS :		Semester :		Paper :				
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	2 <sup>nd</sup>	4	Microbial Polysaccharides Biosensors	method of working	You tube	1	Yes	-	-	-	+	-	-
			Microbial Transform <sup>n</sup> of steroids & sterols	of Biosensors	Videos	1	-	-	-	-	-	-	-
	3 <sup>rd</sup>	4	Production of high fructose syrup.	-	-	-	-	-	-	Assignment	1hr	Yes	-
			<del>Cocoa butter substitute</del>	-	-	-	-	-	-	-	-	-	-
			<del>Immobilization of Enzymes - Apps.</del>	-	-	-	-	-	-	-	-	-	-
			Pongal Vacation	-----									
	4 <sup>th</sup>	4	Cocoa butter substitute well Immobilization of Enzymes - Applications. Whole cell immobiliz <sup>n</sup>	showed the process of immobilization	Group Discussion	1	Yes	-	-	-	-	-	-
						-	-	-	-		-	-	-
	5 <sup>th</sup>	4	BioEthanol, Biogas, Bio Diesel,	-	-	-	-	-	-	-	-	-	-
			Bioremediation, Mineral Recovery.	-	debate	1	Yes	-	-	-	-	-	-

Signature of the Lecturer

S. Shreedha

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Feb	1 <sup>st</sup>	1	IPR	Patents / copy rights	Teaching	1hr	Yes	-	-	-	-	-	-
	2 <sup>nd</sup>	1	IPR contd. II mid-sem										
	3 <sup>rd</sup>	4	Revision classes										
			semester - end examinations										

Signature of the Lecturer  
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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <i>K. Krishna priya</i>					CLASS: <i>III BSC (MBC)</i> Semester: <i>VI</i>				Paper: <i>BC - Elective</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>Novem ber</i>	<i>4</i>		<i>Skill development classes.</i>	<i>-</i>		<i>-</i>	<i>-</i>	<i>-</i>		<i>-</i>	<i>-</i>	<i>-</i>	
	<i>5</i>	<i>4</i>	<i>Introduction, syllabus. Spontaneous generation Louis Pasteur, Joseph Lister, Alexander Flemming.</i>	<i>-</i>		<i>-</i>	<i>-</i>	<i>-</i>		<i>-</i>	<i>-</i>	<i>-</i>	
<i>Decem ber</i>	<i>1</i>	<i>4</i>	<i>Role of m.o.i, Germ theory of disease, Paul Ehrlich, Edward Jenner, Elie metchnikoff &amp; claim of micro</i>	<i>-</i>		<i>-</i>	<i>-</i>	<i>-</i>		<i>-</i>	<i>-</i>	<i>-</i>	
	<i>2</i>	<i>4</i>	<i>Five kingdom three kingdom difference between prokaryotes and Eukaryotes, viruses.</i>		<i>Seminar on 3 kingdom and 5 kingdom prokaryotes eukaryotes.</i>	<i>2</i>				<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>3</i>		<i>I Mid Exams.</i>										
	<i>4</i>	<i>2</i>	<i>Viriods, prions, Bact. fungi, Algae.</i>	<i>-</i>	<i>Seminar on Algae &amp; fungi.</i>	<i>2</i>				<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>5</i>	<i>2</i>	<i>Protozoa, pox virus polio virus.</i>	<i>-</i>	<i>Seminar on pox virus polio virus.</i>	<i>2</i>				<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>
<i>Jan</i>	<i>1</i>	<i>2</i>	<i>Cholera, Typhoid TMV, Tu, Amebiasis.</i>	<i>-</i>	<i>Seminar of cholera, TMV.</i>	<i>2</i>				<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>2</i>	<i>3</i>	<i>Malaria, History of phycology, General character of algae.</i>	<i>-</i>	<i>Seminar on General character of algae.</i>	<i>1</i>				<i>Yes</i>	<i>-</i>	<i>-</i>	<i>-</i>

Signature of the Lecturer  
*K. Krishna Priya*

*S. Anuradha*  
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*Srinivas*  
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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER					CLASS :	Semester :	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	
	3	4	Algae cell structure Reproduction in algae. Applications of algae.	-	seminar on Applications of algae.	1	Yes	-	-	-	-	-	-
	4	3.	General character of fungi, fungi cell structure Reproduction in fungi.	-	-	1	-	-	-	-	-	-	-
Feb	1	1	Economic importance of fungi, biodegradation Mycotoxins.	-	-	1	-	-	-	-	-	-	-
			Revision classes										
			Practicals										

Signature of the Lecturer  
K. Krishna

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[Signature]

ANNUAL CURRICULAR					PLAN (Year) Microbial diagnosis in health clinics								
NAMR OF THE LECTURER S. ANURADHA.					CLASS : III MBC			Semester : VI		Paper : MB - cluster - 1			
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>	→	skill Dept. classes for final	—	—	—	—	—	—	—	—	—	—
	5 <sup>th</sup>	4	dictation of syllabus introd. to paper.	—	—	—	—	—	—	—	—	—	—
			Collection of clinical samples.	You tube video	—	1hr.	Yes	—	—	—	—	—	—
			Methods of transport of clinical samples to lab & preservation	You tube videos.	—	1hr	Yes	—	—	—	—	—	—
Dec	1 <sup>st</sup>	4	gram staining, Acid Fast staining	—	—	—	—	—	—	—	—	—	—
			collection and processing of urine sample.	—	—	—	—	—	—	—	—	—	—
	2 <sup>nd</sup>	4	Gram stain Blood Agar media	—	—	—	—	—	—	—	—	—	—
			chocolate Agar, Mac Conkey Agar	—	—	—	—	—	—	—	—	—	—
			Louenstein - Jensen medium, candidosis	—	—	—	—	—	—	—	—	—	—
				—	seminar	1	Yes	—	—	—	—	—	—

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NAME OF THE LECTURER					CLASS :	Semester :	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	
	3 <sup>rd</sup>	1	Distinct colony properties	-	-	-	-	-	-	Kisan Duras	1	Yes	-
			Typhoid	-	Seminars	1	Yes	-	-	-	-	-	-
<del>I mid- sem Examination</del>					<del>_____</del>								
	4 <sup>th</sup>	2	Tuberculosis Agglutination	-	Seminars	1	Yes	-	-	-	-	-	-
			EISA Influenza	-	Seminars	1	Yes	-	-	-	-	-	-
	5 <sup>th</sup>	2	Immunofluorescence	-	-	-	-	-	-	-	-	-	-
			<del>I mid</del> Aspergillosis	-	Seminars	1	Yes	-	-	-	-	-	-
Jan	1 <sup>st</sup>	3	Nucleic Acid based methods - PCR	-	Quiz	1	Yes	-	-	-	-	-	-
<del>Christmas Vacation</del>					<del>_____</del>								

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NAMR OF THE LECTURER					CLASS :		Semester :		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	4	Nucleic Acid Probes Antibiotic sensitivity	-	-	-	-	-	-	-	-	-	-
			- Disc diffusion method	-	-	-	-	-	-	-	-	-	-
			MIC of an antibiotic by serial double dilution method	-	-	-	-	-	-	-	-	-	-
			-	-	Quiz	1	Yes	-	-	-	-	-	-
			HIV	-	Group discussion	1	Yes	-	-	-	-	-	-
	3rd	-	Pongal Vacation	<hr/>									
	4th	4	Dengue cholera Amoebiasis Satine flue	-	Seminar	1	Yes						
					Seminar	1							
Feb	1st	1	Revision for II mid-sem	<hr/>									
	2nd	1	II mid-sem examination	<hr/>									

Signature of the Lecturer

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

(4)

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER					CLASS :		Semester :		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	
	3 <sup>rd</sup>	4	Revision classes										
			Semester-end examinations										

*S. Anuradha*  
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ANNUAL CURRICULAR					PLAN (Year) Microbial quality control.								
NAMR OF THE LECTURER S. ANURADHA					CLASS : III MRC			Semester : VI		Paper : M.B. Chapter - 2			
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>	—	Skill Devpt. classes for final year students	—	—	—	—	—	—	—	—	—	—
	5 <sup>th</sup>	4	Syllabus dictation Introduction	—	—	1	—	—	—	—	—	—	—
			Good Lab. practices	—	—	—	—	—	—	—	—	—	—
Dec	1 <sup>st</sup>	4	Biosafety cabinets - working, using protective clothing, specification for BSI, BSL-2, BSL-3	—	—	—	—	—	—	Assignment	1hr	Yes	—
			Methodology of disinfection	—	—	—	—	—	—	—	—	—	—
	2 <sup>nd</sup>	4	Autoclaving, Incubation, ster. plate count, MPN.	—	—	1	Yes	—	—	Quiz	1hr	Yes	—
				—	—	—	—	—	—	—	—	—	—
	3 <sup>rd</sup>	11	I mid sem examination	—	—	—	—	—	—	—	—	—	—

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	4 <sup>th</sup>	2	christmas vacation										
	5 <sup>th</sup>	2	direct microscopic counts		-	-	-	-	-	-	-	-	-
			filmus lysate test		-	-	-	-	-	-	-	-	-
			gel diffusion		-	-	-	-	-	-	-	-	-
Jan	1 <sup>st</sup>	4	sterility testing of pharmaceutical ppt		-	-	-	-	student seminar	1hr	Yes		
	2 <sup>nd</sup>	4	Molecular methods Nucleic Acid probes, PCR, Bio sensors.	Principle & Instrumentation of PCR	YouTube video	1hr	Yes	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	-	Pongal vacation										
	4 <sup>th</sup>	4	Enrichment culture technique	enrichment media.	YouTube video	1hr	Yes	-	-	-	-	-	-
			Detection of Specific m-as - XLD agar, SS agar		-	-	-	-	-	-	-	-	-

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			TS agar, EMB agar, McConkey Agar, Sabouraud Agar	Importance of Microbiological media	You Tube videos	1hr	Yes	-	-	-	-	-	-
	5 <sup>th</sup>	4	MBRT, Rapid detection methods of microbial quality of milk	-	-	-	-	-	Quiz	1hr	Yes	-	-
Feb	18 <sup>th</sup>	1	HACCP	-	-	-	-	-	-	-	-	-	-
			II mid-sem Examination										
	2 <sup>nd</sup>	2	BIS standards for Drinking Water	-	-	-	-	-	JAM	1hr	Yes	-	-
	3 <sup>rd</sup>	4	BIS stds. for diff. foods	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	4	Revision classes	-	-	-	-	-	-	-	-	-	-

Signature of the Lecturer

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ANNUAL CURRICULAR					PLAN (Year) <i>Biofertilizers &amp; Biopesticides</i>								
NAMR OF THE LECTURER <i>K. Krishna priya</i>					CLASS : <i>III BSC (MBC)</i> Semester : <i>VI</i>				Paper : <i>MB - cluster III.</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>Novem ber</i>	<i>4</i>		<i>Skill development classes</i>	-	-	-	-	-	-	-	-	-	-
	<i>5</i>	<i>4</i>	<i>Introduction, syllabus General account of microbes biofertilizer, Rhizobium</i>	-	-	-	-	-	-	-	-	-	-
<i>Decem ber</i>	<i>1</i>	<i>4</i>	<i>Field applications of Rhizobium, legume plants, Frankia</i>	<i>structure &amp; reproduction of Rhizobium</i>	-	-	-	-	-	-	-	-	-
	<i>2</i>	<i>3</i>	<i>Cyanobacteria Azolla.</i>	<i>of Rhizobium</i>	<i>Seminar on cyanobacteria</i>	<i>1</i>	-	-	-	<i>Yes</i>	<i>1hr.</i>	-	-
	<i>3</i>	<i>1</i>	<i>I mid sem Exams.</i>	-	-	-	-	-	-	-	-	-	-
	<i>4</i>	<i>2</i>	<i>Christmas Holidays Azotobacter.</i>	-	<i>Seminar on Azotobacter.</i>	<i>1</i>	-	-	-	<i>Yes</i>	<i>1hr</i>	-	-
	<i>5</i>	<i>1</i>	<i>Azospirillum.</i>	-	-	-	-	-	-	-	-	-	-
<i>Jan</i>	<i>1</i>	<i>3</i>	<i>phosphate solubilizing microbes, Mass Inoculum production</i>	-	-	-	-	-	-	-	-	-	-
	<i>2</i>	<i>3</i>	<i>Mycorrhizae types of mycorrhizae.</i>	-	<i>Seminar on Mycorrhizae.</i>	<i>2</i>	-	-	-	<i>Yes</i>	<i>1hr</i>	-	-

*K. Krishna priya*  
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*M. S. Prasad*  
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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: K. Krishna praja					CLASS: BSc MSc. Semester: VI				Paper: MB cluster - 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	
	3		Pongal holidays.	—									
	4	4	Ecto mycoses Endo mycoses Insecticides	—	—	—	—	—	—	—	—	—	—
	5	3	Bacillus thuringensis Field applications of BT	—	Seminar on Bacillus thuringensis	1	Yes	—	—	—	—	—	—
Feb.	1	1	NPV cultivation field applications	—	—	—	—	—	—	—	—	—	—
			Revision classes	—	—	—	—	—	—	—	—	—	—
March			Practical exams	—	—	—	—	—	—	—	—	—	—
			Semester examinations	—	—	—	—	—	—	—	—	—	—

Signature of the Lecturer: K. Krishna praja

Signature of the HOD: S. Dhruva

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