

Y.A. GOVT DEGREE COLLEGE CHIRALA
DEPARTMENT OF BOTANY
ANNUAL CURRICULAR PLAN 2025-2026

DEPARTMENT: BOTANY		CLASS: III BSC MAJOR	SEMESTER: V	YEAR: 2025-2026	PAPER: XIII								
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU					Subject: PLANT PHYSIOLOGY AND METABOLISM								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular Activity				
					Activity	Hours Allotted	Whether conducted	If not Alternate Date	Activity	Hours Allotted	Whether conducted	If not Alternate Date	
JULY -2025	1	5	<u>Unit-I: PLANT WATER RELATIONS:</u> UNIT :1. Importance of water to plant life, physical properties of water, diffusion, imbibition, osmosis, water potential, osmotic potential pressure potential	EXPLANATION	Lecture Lab PPT	2 2 1			OBSERVATION OF SPECIMANS IN LABORATORY	1			
	2	5	<u>Unit Absorption and lateral transport of water, ascent of sap</u> Transpiration, stomata structure and mechanism of stomatal movements (K ⁺ ion flow) Mechanism of phloem transport, source-sink relationships	CHART EXPLANATION	Lecture Lab PPT	2 2 1			Assignment	1			
	3	5	<u>Unit-II. Mineral Nutrition, Enzymes and Respiration</u> 1. Essential macro and micro mineral nutrients and their role in plants symptoms of mineral deficiency. 2. Absorption of mineral ions: passive and active processes. 3. Characteristics, nomenclature and classification of Enzymes.	LAB AND CHART EXPLANATION	Lecture Lab PPT	2 2 1			Group discussion	1			
	4	5	<u>Unit-II</u> Mechanism of enzyme action, enzyme kinetics. 4. Respiration Aerobic and Anaerobic; glycolysis, Krebs cycle.	Specimens explanation	Lecture Lab PPT	2 2 1			Assignment	1			

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DEPARTMENT: BOTANY			CLASS: II BSC MAJOR			SEMESTER: V		YEAR: 2025-2026		PAPER: XIII			
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU				SUBJECT PLANT PYSIOLOGY AND METABOLISM									
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
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AUG- 2025	1	5	<u>Unit-III:</u> electron transport system, mechanism of oxidative phosphorylation, Pentose Phosphate pathway (HMP shunt) Photosynthesis and Photorespiration 1. Photosynthesis: Photosynthetic pigments, absorption and action spectrum: Red drop and Emerson enhancement effect. 2. <i>Concept of two photosystems; mechanism of photosynthetic electron transport and evolution of oxygen phosphorylation.</i>		Lecture Lab PPT	2 2 1				Seminar	1		
	2	5	<u>Unit-III</u> 3. Carbon assimilation pathways (C3, C4 and CAM) 4. Photorespiration-C2 pathway. <u>Unit-IV:</u> 1. Nitrogen metabolism: biological nitrogen fixation a symbiotic and symbiotic nitrogen fixing organisms Nitrogenise enzyme system.		Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	1. Lipid metabolism: Classification of plant lipids, saturated and unsaturated fatty acids 2. Anabolism of triglycerides, B- oxidation of fatty acids Glyoxylate cycle.	TREE CHART EXPLANATION	Lecture Lab PPT	2 2 1				Quiz	1		

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DEPARTMENT: BOTANY		CLASS: II BSC MAJOR		SEMESTER: V		YEAR: 2025-2026		PAPER: V				
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU				PLANT PYSIOLOGY AND METABOLISM								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
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SEP-2025	1	5	<u>Unit-V: I. Growth and Development: Definition, phases and kinetics of growth.</u>	CHARTS EXPLAINTION	Lecture Lab PPT	2 2 1			Assignment	1		
	2	5	<u>Unit-V. Physiological effects of plant growth Regulators (PGRs) auxins</u>		Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	<u>Unit-V: gibberellins, cytokinin's, ABS, ethylene and brassinosteroids.</u>		Lecture Lab PPT	2 2 1			Seminar	1		
	4	5	<u>Unit-V. Physiology of flowering: Photoperiodism role of phytochrome in flowering.</u>		Lecture Lab PPT	2 2 1			Assignment	1		

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NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU					Subject: PLANT PYSIOLOGY AND METABOLISM							
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OCT - 2025	1	6	Unit-V. Seed germination and senescence: Physiological changes during seed germination.		Lecture Lab PPT	2 2 1			Quiz			
	2	6										
	3	6	RIVISION									
	4	6	RIVISION									

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ANNUAL CURRICULAR PLAN

DEPARTMENT: BOTANY		CLASS: III B.SC MAJOR		SEMESTER: V	YEAR: 2025-2026		PAPER: XII						
NAME OF THE LECTURER: B. MAHESH NAIK					SUBJECT: Cell Biology, Genetics								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
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JULY 2026	1	6	Unit-I Cell theory Prokaryotic vs eukaryotic cell & Animal vs plant cell, Ultra-structure of a plant cell, Ultra-structure of cell wall		Lecture Lab PPT	2 2 1				Preparation of chart on Eukaryotic cell	1		
	2	6	Unit-I Ultra-structure of plasma membrane and various theories on its organization Polymorphic cell organelles, Plastid DNA Ultra structure of chloroplast, Plastid DNA, Ultrastructure of mitochondria, mitochondrial DNA		Lecture Lab PPT	2 2 1				Seminar	1		
	3	6	Unit-II Prokaryotic vs eukaryotic chromosome Morphology of a eukaryotic chromosome Euchromatin and Heterochromatin		Lecture Lab PPT	2 2 1				Assignment	1		
	4	6	Unit-II Karyotype and ideogram Chromosomal Aberrations Organization of DNA in a chromosome		Lecture Lab PPT	2 2 1				Assignment	1		

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AUG 2026	1	6	<u>Unit-III</u> Mendel's laws of inheritance Incomplete dominance and co-dominance, Multiple Allelism. Gene interactions A brief account of Linkage		Lecture Lab PPT	2 2 1			Group discussion	1		
	2	6	<u>Unit-III</u> A brief account of Crossing over Chromosomal mapping -2 point and 3 point test cross. Concept of maternal inheritance (Corren's experiment on Mirabilis Jalapa)	Mitochondrial inheritance	Lecture Lab PPT	2 2 1			Seminar	1		
	3	6	<u>Unit-IV</u> Structure and function of DNA Watson and Crick model of DNA. Brief account on DNA Replication-Semi conservative method Brief account on Transcription		Lecture Lab PPT	2 2 1			Assignment	1		
	4	6	<u>Unit-IV</u> Types and functions of RNA Gene concept and genetic code Brief account on Translation Regulation of gene expression – Lac. Operon		Lecture Lab PPT	2 2 1			Assignment	1		

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DEPARTMENT: BOTANY CLASS: III B.SC MAJOR SEMESTER: V YEAR: 2025-2026 PAPER: XII

NAME OF THE LECTURER: B. MAHESH NAIK SUBJECT: Cell Biology, Genetics

Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
SEP 2026	1	6	<u>Unit-V Gene concept and sex determination</u> Evolution of gene concept: classical Vs molecular concept of gene .		Lecture Lab PPT	2 2 1				Seminar	1		
	2	6	<u>Unit-V</u> Cis -Trans complementation test for functional allelism gene as unit of function, mutation and recombination.		Lecture Lab PPT	2 2 1				Assignment	1		
	3	6	<u>Unit-V</u> Pattern of sex determination in plants		Lecture Lab PPT	2 2 1				Assignment	1		
	4	6	<u>Unit-V</u> Allele and genotype frequencies, hardy Weinberg Law		Lecture Lab PPT	2 2 1				Seminar	1		

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NAME OF THE LECTURER: B. MAHESH NAIK					SUBJECT: Cell Biology, Genetics								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
OCT 2026	1	6	Unit-V Heterosis Molecular breeding DNA markers in plant breeding RAPD and RFLP	Role of mutations in plant breeding	Lecture Lab PPT	2 2 1				Quiz	1		
	2	6	REVISION										
	3	6	REVISION										
	4	6	REVISION										

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DEPARTMENT

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DEPARTMENT: BOTANY				CLASS: III B.SC BOTANY MAJOR		SEMESTER: V		YEAR: 2025-2026		PAPER: 15A		
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU				Subject: MUSHROOM CULTURE TECHNOLOGY								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity			
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
JULY 2025	1	6	<u>Unit-I</u> -Introduction and value of mushrooms:1. Mushrooms: Definition, structure of a mushroom and a brief account of life cycle; historical account and scope of mushroom cultivation; difference between edible and - poisonous mushrooms.	Locally cultivated vegetables	Lecture Lab PPT	2 2 1			Preparation of chart on vegetable seeds	1		
	2	6	<u>Unit-I</u> -Morphological features of any four edible mushrooms, Button mushroom (<i>Agaricus Bosporus</i>), Milky mushroom (<i>Calocybe indica</i>), Oyster mushroom (<i>Pleurotus sajor-caju</i>) and Paddy straw mushroom (<i>Volvariella volvacea</i>). <u>Unit-I</u> -Nutraceutical value of mushrooms; medicinal mushrooms in South India - <i>Ganoderma lucidum</i> , <i>Phellinus rimosus</i> , <i>Pleurotus florida</i> and <i>Pleurotus pulmonaris</i> – their therapeutic value; Poisonous mushrooms - harmful effects.		Lecture Lab PPT	2 2 1		Assignment	1			
	3	6	<u>Unit-I</u> -Basic requirements of cultivation system 1. Small village unit and larger commercial unit; layout of a mushroom farm - location of building plot, design of farm, bulk chamber, composting, equipment and facilities, pasteurization room and growing rooms.	Indigenous leafy Vegetables	Lecture Lab PPT	2 2 1			Group discussion	1		
	4	6	<u>Unit-II</u> Compost and composting: Definition, machinery required for compost making, materials for compost preparation. Methods of composting- long method of composting and short method of composting.		Lecture Lab PPT	2 2 1			Assignment	1		

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AUG 2025	1	6	<u>Unit-III</u> Spawning and casing 1. Spawn and spawning; Definition, facilities required for spawn preparation; preparation of spawn substrate		Lecture Lab PPT	2 2 1				Seminar	1		
	2	6	<u>Unit-III</u> Preparation of pure culture, media used in raising pure culture; culture maintenance, storage of spawn	Indigenous fruit Vegetables	Lecture Lab PPT	2 2 1				Assignment	1		
	3	6	<u>Unit-III</u> Casing: Definition, importance of casing mixture, Quality parameters of casing soil, different types of casing mixtures, commonly used materials. <u>Unit-IV</u> Mushroom cultivation (10h) Raw material, compost, spawning, casing, cropping, and problems in cultivation (diseases, pests and nematodes,		Lecture Lab PPT	2 2 1				Quiz	1		
	4	6	<u>Unit-IV</u> weed molds and their management strategies), picking and packing for any Four of the following mushrooms		Lecture Lab Video class	2 2 1				Seminar	1		


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DEPARTMENT: BOTANY			CLASS: III BOTANY MAJOR			SEMESTER: V		YEAR: 2025-2026		PAPER: 15A	
NAME OF THE LECTURER: M.BALU NAIK				Subject: MUSHROOM CULTURE TECHNOLOGY							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity			
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted
SEP 2025	1	6	Unit-IV(a) Button mushroom (b) Oyster mushroom (c) Milky mushroom and (d) Paddy straw mushroom Unit-V Post harvest technology (10h) 1. Shelf life of mushrooms; preservation of mushrooms - freezing, dry freezing, drying and canning		Lecture Lab PPT	2 2 1			Assignment	1	
	2	6	Unit-V Quality assurance and entrepreneurship		Lecture Lab PPT	2 2 1			Assignment	1	
	3	6	Unit-Veconomics of different types of mushrooms;	Importance of Organic forming	Lecture Lab PPT	2 2 1			Seminar	1	
	4	6	Unit-V. 3. Management of spent substrates and waste disposal of various mushrooms.		Lecture Lab PPT	2 2 1			Assignment	1	

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NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU						Subject: MUSHROOM CULTURE TECHNOLOGY							
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					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
OCT 2025	1	6	REVISION		Lecture Lab PPT	2 2 1				Quiz			
	2	6	RIVISION										
	3	6	RIVISION										
	4	6	RIVISION										


Signature of the Lecturer


Head of the Department


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DEPARTMENT: BOTANY			CLASS: III B.SC BOTANY			SEMESTER: V		YEAR: 2025-2026		PAPER: 14 A							
NAME OF THE LECTURER: B. MAHESH NAIK					Subject: ORGANIC FARMING												
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity					Co-Curricular Activity							
					Activity	Hours	Allo	the	Con	Alte	rnat	Activity	Hours	Allo	the	Con	Alte
July 2025	1	6	Unit-I Basic concepts of organic farming 1. organic farming, Definition, ecological, social and economic benefits. 2. Organic farming and its components, concepts and principles	Locally cultivated vegetables	Lecture Lab PPT	2 2 1						Preparation of chart on vegetable seeds	1				
	2	6	3. Biodynamic and natural farming approaches; permaculture and LEISA farming approaches 4. sustainable agriculture, key indicators of sustainable agriculture		Lecture Lab PPT	2 2 1						Assignment	1				
	3	6	Unit-II Organic inputs for soil 1. Vermicompost production technology 2. Organic manures: Farmyard (FYM), enrichment of FYM	Indigenous leafy Vegetables	Lecture Lab PPT	2 2 1						Group discussion	1				
	4	6	3. Compost, methods of composting (Bangalore, Indore, Coimbatore, NADEP methods) 4. Green manuring, classification of green manures. 5. Classification of Organic residues; recycling of Organic residues.		Lecture Lab PPT	2 2 1						Assignment	1				

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Aug 2025	1	6	<u>Unit-III Organic crop management</u> 1. Introduction to organic crop management – land preparation, planting, nutrient technic management. 2. Factors considered for nutrient management, recommended nutrient quantity – blanket, major problems, balance sheet methods.		Lecture Lab PPT	2 2 1				Seminar	1		
	2	6	3. Nutrient composition of some organic resources, right timing application 4. Right method of nuritent application nutrient efficiency.	Indigenous fruit Vegetables	Lecture Lab PPT	2 2 1				Assignment	1		
	3	6	<u>Unit-III</u> Casing: Definition, Importance of casing mixture, Quality parameters of casing soil, different types of casing mixtures, commonly used materials. <u>Unit-IV</u> Mushroom cultivation (10h) Raw material, compost, spawning, casing, cropping, and problems in cultivation (diseases, pests and nematodes,		Lecture Lab PPT	2 2 1				Quiz	1		
	4	6	<u>Unit-4 Cultural and crop protection practices.</u> 1. Pre sowing irrigation ; crop rotation intercropping and mixed cropping.		Lecture Lab Video class	2 2 1				Seminar	1		

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Sep 2025	1	6	<u>2. Use of tolerant and resistant varieties; manipulation in sowing dates irrigation /flooding, destruction of volunteer plants.</u> <u>3. Pest and disease management – preventive, physical and mechanical methods.</u> <u>4. Organic crop management-rice, red gram, ground nut and tomato</u> <u>5. Government interventions to promote organic farming N POF, NPMSHF NHM, RKVY, KVK and APEDA.</u>		Lecture Lab PPT	2 2 1				Assignment	1	
	2	6	<u>Unit-V Certification and Marketing of Organics</u> <u>1. Organic certification process- definition ned, aim and scope requirements to maintain certification</u>		Lecture Lab PPT	2 2 1				Assignment	1	
	3	6	<u>2. Organic certification process- labelling of products, NPOP, Organic quality control standrds.</u>	Importance of Organic forming	Lecture Lab PPT	2 2 1				Seminar	1	
	4	6	2. Operational structure of organic certification.		Lecture Lab PPT	2 2 1				Assignment	1	

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NAME OF THE LECTURER: B. MAHESH NAIK					Subject: ORGANIC FARMING								
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Oct 2025	1	6	Operational structure of organic certification . Marketing of organco products		Lecture Lab PPT	2 2 1				Quiz			
	2	6	Revision										
	3	6	Revision										
	4	6	Revision										


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DEPARTMENT: BOTANY				CLASS: II B. SC MAJOR		SEMESTER: III		YEAR:2025-2026		PAPER: VI		
NAME OF THE LECTURER: BANGARU RAJU CHOOPPARAPU					Subject: PLANT PATHOLOGY AND PLANT DISEASES							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity			
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JULY 2025	1	5	<u>Unit- I:</u> Plant pathology: definition, importance of plant diseases, important famines in world; scope and objectives of plant pathology. 2. Important plant pathogenic organisms with examples of diseases caused by them.	ONLINE EXPLAINATION	Lecture Lab PPT	2 2 1			SEMINARS	1		
	2	5	<u>Unit- I</u> Classification of plant diseases based on important criteria. A brief account on survival of plant pathogens. Dispersal of plant pathogens – active and passive processes	DIAGRAMTIC CHARTS	Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	<u>Unit-II:</u> Infection process – pre-penetration, penetration and post-penetration. Role of enzymes in plant pathogenesis.	LAB AND CHART EXPLAINATION	Lecture Lab PPT	2 2 1			Group discussion	1		
	4	5	<u>Unit-II</u> : Role of toxins in plant pathogenesis. Role of growth regulators in plant pathogenesis UNIT:II Défense mechanisms in plants against pathogens	Specimens explanation	Lecture Lab PPT	2 2 1			Assignment	1		

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DEPARTMENT: BOTANY

CLASS: II BSC MAJOR

SEMESTER: III

YEAR: 2025-2026

PAPER: VI

NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU

SUBJECT: PLANT PATHOLOGY AND PLANT DISEASES

Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
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AUG 2025	1	5	Unit-III Plant disease epidemiology; plant disease forecasting; remote sensing in plant pathology. 2. General principles of plant diseases management.		Lecture Lab PPT	2 2 1			Seminar	1		
	2	5	Unit-III 3. Regulatory methods, cultural methods; biological control and PGPR.		Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	Unit-III. Physical methods, chemical methods; host plant resistance. 5. Integrated plant disease management (IDM) – Concept, advantages and importance	TREE CHART EXPLANATION	Lecture Lab PPT	2 2 1			Quiz	1		
	4	5	UNIT IV :Symptoms, ethology, disease cycle and management of major diseases of following crops: a) Rice: Blast of rice, bacterial blight and Tungro	SPECIMANS	Lecture Lab Video class	2 2 1			Seminar	1		

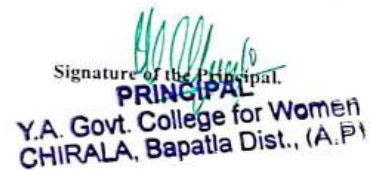
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SEP 2025	1	5	Unit-IV Bajra: Downy mildew and Ergot c) Pigeon-pea: Phytophthora blight, wilt and sterility mosaic	CHARTS EXPLAINTION AND SPECIMENS	Lecture Lab PPT	2 2 1			Assignment	1		
	2	5	Unit-IV. Groundnut: Tikka leaf spot, rust and root rot	SPECIMENS	Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	Unit-V: Symptoms, etiology, disease cycle and management of major diseases of following crops: a) Brinjal: Phomopsis blight and Little leaf	SPECIMENS	Lecture Lab PPT	2 2 1			Seminar	1		
	4	5	Unit-V Okra: Powdery mildew and Yellow vein mosaic c) Pomegranate: Alternaria fruit spot and Anthracnose	SPECIMENS	Lecture Lab PPT	2 2 1			Assignment	1		

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NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU					Subject: : PLANT PATHOLOGY AND PLANT DISEASES								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
OCT 2025	1	5	UNIT V : Coconut: Bud rot and Basal stem rot	SPECIMENS	Lecture Lab PPT	2 2 1				Quiz			
	2	5	REVISION										
	3	5	REVISION										
	4	5	REVISION										


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ANNUAL CURRICULAR PLAN												
DEPARTMENT: BOTANY			CLASS: HSC MAJOR			SEMESTER: III		YEAR:2025-2026		PAPER: VII		
NAME OF THE LECTURER: B.MAHESH NAIK					Subject: PLANT BREEDING							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
JULY 2025	1	5	<u>Unit-I</u> Definition, aim, objectives and scope of plant breeding; concepts in plant breeding: genetic variation, heritability, and selection. 2. Advantages and disadvantages of asexual and sexual reproduction.	ONLINE EXPLAINTION	Lecture Lab PPT	2 2 1			SEMINARS	1		
	2	5	<u>Unit-I</u> , apomixis: definition, types and significance. 3. A brief account of self and cross-pollination, their genetic consequences and significance; classification of crop plants based on mode of pollination and mode of reproduction.	DIAGRAMTIC CHARTS	Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	<u>Unit-II</u> Self-incompatibility in plants – Definition, heteromorphic and homomorphic systems; exploitation of self-incompatibility in hybrid production.	LAB AND CHART EXPLANATION	Lecture Lab PPT	2 2 1			Group discussion	1		

ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR			SEMESTER: III		YEAR:2025-2026		PAPER: VII		
NAME OF THE LECTURER: B. MAHESH NAIK				SUBJECT: PLANT BREEDING									
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
AUG 2025	1	5	Unit-III Plant introduction – types, objectives, plant introduction agencies in India, procedure, merits and demerits; germplasm collections, genetic erosion, gene sanctuaries. 2. Selection – natural and artificial selection – basic principles of selection.		Lecture Lab PPT	2 2 1				Seminar	1		
	2	5	Unit-III 3 Self-pollinated crops: pure line selection method – procedure, advantages and disadvantages, achievements	TREE CHART EXPLANATION	Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Unit-III 4. Vegetatively propagated crops: Clonal selection - procedure, advantages and disadvantages, achievements.	TREE CHART EXPLANATION	Lecture Lab PPT	2 2 1				Quiz	1		
	4	5	UNIT IV Hybridization – objectives, types, procedure, advantages and disadvantages, achievements. 2. Cross-pollinated crops: back cross method - procedure, advantages and disadvantages, achievements.	YOUTUBE	Lecture Lab Video class	2 2 1				Seminar	1		

ANNUAL CURRICULUM PLAN

ANNUAL CURRICULUM PLAN												
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR		SEMESTER: III		YEAR: 2025-2026		PAPER: VII		
NAME OF THE LECTURER: B. MAHESH NAIK					Subject: : PLANT BREEDING							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
SEP 2025	1	6	Unit-IV: Heterosis: definition, genetic bases of heterosis – dominance, over dominance and epistasis hypotheses; physiological bases of heterosis – commercial utilization.	CHARTS EXPLAINTION	Lecture Lab PPT	2 2 1			Assignment	1		
	2	6	Unit-IV. Synthetics and composites – production procedures – merits, demerits and achievements.		Lecture Lab PPT	2 2 1			Assignment	1		
	3	6	Unit-V Mutation breeding: spontaneous and induced mutations – characteristic features of mutations – procedure of mutation breeding – applications – advantages, limitations and achievements	YOUTUBE	Lecture Lab PPT	2 2 1			Seminar	1		
	4	6	Unit-V Polyploidy breeding: auto-polyploids and allopolyploids – applications in crop improvement and limitations.	YOUTUBE	Lecture Lab PPT	2 2 1			Assignment	1		

ANNUAL CURRICULAR PLAN												
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR			SEMESTER: III		YEAR: 2024-2025		PAPER: VII	
NAME OF THE LECTURER: B. MAHESH NAIK					Subject: PLANT BREEDING							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
OCT 2025	1	5	UNIT V DNA markers and their applications in plant breeding: RFLP, SSR, and SNP 4. Marker Assisted Selection (MAS) and its applications in plant breeding	ONLINE PICTURES	Lecture Lab PPT	2 2 1				Quiz		
	2	5	REVISION									
	3	5	REVISION									
	4	5	REVISION									


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ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR			SEMESTER: III		YEAR: 2025-2026		PAPER: VIII		
NAME OF THE LECTURER: B.MAHESH NAIK					Subject: PLANT BIOTECHNOLOGY								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternated	Activity	Hours Allotted	Whether Conducted	If not Alternated	
JULY 2025	1	5	Unit- Plant tissue culture: Definition, scope and significance; infrastructure and equipment required to establish a tissue culture laboratory. 2. Sterilization techniques; formulation of media for plant tissue culture.	TREE CHART AND ONLINE EXPLANATION	Lecture Lab PPT	2 2 1				Preparation of chart on vegetable seeds	1		
	2	5	Unit-I Concept of totipotency, initiation and maintenance of callus cultures; induction of morphogenesis in vitro. 4. Somatic embryogenesis and organogenesis; factors affecting somatic embryogenesis and organogenesis synthetic seeds and their applications.	DIAGRAMATIC EXPLANATION	Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Unit-II Importance and applications of meristem culture, zygotic embryo culture. Micropropagation and its uses, commercial exploitation of micropropagation. e, endosperm culture.	YOUTUBE	Lecture Lab PPT	2 2 1				Group discussion	1		
	4	5	Unit-II Production of haploids using anther, pollen and unfertilized ovule cultures - characterization and applications		Lecture Lab PPT	2 2 1				Assignment	1		


ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR			SEMESTER: III		YEAR: 2025-2026		PAPER: VIII		
NAME OF THE LECTURER: : B. MAHESH NAIK						SUBJECT: PLANT BIOTECHNOLOGY							
Month	Week	Hours available	SYLLABUS /TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
AUG 2025	1	5	Unit-III Cell suspensions – continuous and batch cultures; mass cultivation of plant cells using bioreactors. 2. Production of secondary metabolites from cell cultures, strategies used for enhanced production of secondary metabolites. Biotransformation using plant cell cultures.	ONLINE EXPLANATION	Lecture Lab PPT	2 2 1				Seminar	1		
	2	5	Unit-III Isolation, purification and culture of protoplasts; methods used for protoplast fusion.	DIAGRAMATIC	Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Unit-III Somatic hybridization/cybridization –selection systems for somatic hybrids/cybrids, their characterization and applications.	YOUTUBE	Lecture Lab PPT	2 2 1				Quiz	1		


ANNUAL CURRICULAR PLAN

DEPARTMENT: BOTANY		CLASS: II BSC MAJOR		SEMESTER: III		YEAR: 2025-2026		PAPER: VIII				
NAME OF THE LECTURER : B. MAHESH NAIK				Subject: PLANT BIOTECHNOLOGY								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
SEP 2025	1	5	Unit-IV Virus resistance (coat protein mediated, nucleocapsid gene), disease resistance (antifungal proteins, PR proteins). 4. Quality improvement (Golden rice), Shelf-life enhancement (Flavr savr tomato).	ONLINE DIAGRAMTIC	Lecture Lab PPT	2 2 1			Assignment	1		
	2	5	Unit-V Plant synthetic biology and its applications; plant-based vaccines and therapeutics. 2. Biofortification and genetically modified foods.	CHART REPRESENTATION	Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	Unit-V Biodegradable plastics, polyhydroxybutyrate		Lecture Lab PPT	2 2 1			Seminar	1		
	4	5	Unit-V. Applications of plant biotechnology in bioenergy production and environmental remediation.		Lecture Lab PPT	2 2 1			Assignment	1		

ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR			SEMESTER: II		YEAR: 2025-2026		PAPER: IV		
NAME OF THE LECTURER: B. MAHESH NAIK					Subject PLANT BIOTECHNOLOGY								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
OCT 2025	1	5	REVISION		Lecture Lab PPT	2 2 1			Quiz				
	2	5	REVISION										
	3	5	REVISION										
	4	5	REVISION										


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Y. A GOVT DEGREE COLLEGE (W)
DEPARTMENT OF BOTANY
ANNUAL CURRICULAR PLAN FOR A.Y. 2025-2026.

DEPARTMENT: BOTANY				CLASS: B.SC HONOURS BOTANY		SEMESTER: I ^o		YEAR: 2025- 2026		PAPER: I		
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU				Subject: DIVERSITY OF THALLOPHYTES								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular			
					Activity	Hours Allotted	Whether conducted	If not Alternate Date	Activity	Hours Allotted	Whether conducted	If not Alternate Date
OCT 2025	1	5	Unit-I: Introduction to Algae • General characteristics of Algae: Occurrence and distribution, cell structure, pigments, flagella and reserve food material. • Classification of algae: F.E. Fritsch (1935)		Lecture Lab PPT	2 2 1			JAM (JUST A MINUTE)	1		
	2	5	• Thallus organization and life cycle in algae. • Ecological and economic importance of algae.		Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	Unit-I: Biology of selected algae Occurance structure reproduction and life cycle of a) Chlorophyceae Spirogyra b) Phaeophyceae Ectocarpus c. Rhodophyceae: Polysiphonia		Lecture Lab PPT	2 2 1			Group discussion	1		
	4	5	Cultural and cultivation of chlorella		Lecture Lab PPT	2 2 1			Assignment	1		

**Y. A GOVT DEGREE COLLEGE (W)
DEPARTMENT OF BOTANY & HORTICULTURE
ANNUAL CURRICULAR PLAN FOR A.Y. 2025-2026.**

DEPARTMENT: BOTANY			CLASS: B.SC HONOURS BOTANY	SEMESTER: I	YEAR: 2025- 2026	PAPER: I							
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU			SUBJECT: NON VASCULAR PLANTS										
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular				
					Activity	Hours Allotted	Conduct If not Alternate	Date	Activity	Hours Allotted	Conduct If not Alternate	Date	
NOV -2025	1	5	1. General characters of fungi and Ainsworth [1973] classification 2. Thallus organisation and nutrition in fungi		Lecture Lab PPT	2 2 1				Seminar	1		
	2	5	1. Reproduction in fungi [asexual and sexual] heterothallism and paraxiality 2. Ecological and economic importance of fungi		Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Unit :4 Biology of Selected Fungi Occurrence, structure, reproduction and lifecycle of a) Zygomycota b) Ascomycota c) basidiomycota		Lecture Lab PPT	2 2 1				Quiz	1		
	4	5	Unit: Lichens Definition Photobiont and mycobiont in lichens Morphology and internal structure of Lichens Classification based on growth from habitat and fungal partner		Lecture Lab Video class	2 2 1				Seminar	1		

Y. A GOVT DEGREE COLLEGE (W)
DEPARTMENT OF BOTANY
ANNUAL CURRICULAR PLAN FOR A.Y. 2025-2026.

DEPARTMENT: BOTANY			CLASS: B.SC HONOURS BOTANY	SEMESTER: I	YEAR: 2023-2024	PAPER: I					
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU				Subject: NON VASCULAR PALNTS							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular			Co-Curricular			
					Activity	Hours Allotted	Whether conducted If not Alternate Date	Activity	Hours Allotted	Whether completed Alternate	
DEC 2025	1	5	Reproduction Vegetative asexual and sexual methods		Lecture Lab PPT	2 2 1			Assignment	1	
	2	5	Ecological and economic importance of lichens		Lecture Lab PPT	2 2 1			Assignment	1	
	3	5	REVISION		Lecture Lab PPT	2 2 1			Seminar	1	
	4	5	REVISION		Lecture Lab PPT	2 2 1			Assignment	1	


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V. A GOVT DEGREE COLLEGE (W)
DEPARTMENT OF BOTANY
ANNUAL CURRICULAR PLAN FOR A.Y. 2025-2026.

DEPARTMENT: BOTANY		CLASS: B.SC HONOURS BOTANY	SEMESTER: I	YEAR: 2025- 2026.	PAPER: II								
NAME OF THE LECTURER: B. MAHESH NAIK				Subject: PAPER: DIVERSITY OF MICROBES									
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular			Co-Curricular					
					Activity	Hours Allotted	Whether conducted	If not Alternate Date	Activity	Hours Allotted	Whether conducted	If not Alternate Date	
OCT 2025	1	5	Unit: I (Origin of life and Viruses) 1. Origin of life, Concept of primary Abiogenesis; Miller and Urey experiment.; discovery of microorganism, Pasteur experiments, germ theory of diseases.		Lecture Lab PPT	2 2 1			JAM (JUST A MINUTE)	1			
	2	5	Six kingdom classification of Carl Woese. Shape and symmetry of viruses; structure of TMV and Gemini viruses.		Lecture Lab PPT	2 2 1			Assignment	1			
	3	5	Lytic and Lysogenic cycles of T Even Phages Prions, viroid's and virusoids; Transmission of plant viruses and their control. Significance of viruses in vaccine production, bio-pesticides		Lecture Lab PPT	2 2 1			Group discussion	1			
	4	5	Unit II(Special groups of Bacteria) General characteristics, outline classification and economic importance of following special groups of bacteria a. Archaeobacteria b. Actinomycetes		Lecture Lab PPT	2 2 1			Assignment	1			

**Y. A GOVT DEGREE COLLEGE (W)
DEPARTMENT OF BOTANY
ANNUAL CURRICULAR PLAN FOR A.Y. 2025-2026.**


DEPARTMENT: BOTANY		CLASS: B.SC HONOURS BOTANY		SEMESTER: I		YEAR: 2025-2026		PAPER: II					
NAME OF THE LECTURER: B. MAHESH NAIK				SUBJECT: PAPER: ORIGIN OF LIFE AND MICROBES									
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular			Co-Curricular					
					Activity	Hours Allotted	Whether conducted	If not Alternate Date	Activity	Hours Allotted	Whether conducted	If not Alternate	
NOV	1	6	C. Cyanobacteria Culture and cultivation of spirulina Unit : III (Eubacteria) 8.Occurance, distribution and cell structure of eubacteria.		Lecture Lab PPT	2 2 1			Seminar	1			
	2	6	9. classification of eubacteria based on nutrition 10 Reproduction- asexual (binary fission and endospores) and bacterial recombination (conjugation, Transformation, Transduction)		Lecture Lab PPT	2 2 1			Assignment	1			
	3	6	11. Economic importance of Eu bacterial WITH REFERNCE TO THEIR ROLE IN Agriculture and industrial (fermentation and medicine)		Lecture Lab PPT	2 2 1			Quiz	1			
	4	6	Unit4 (Soil microbes- interactions) 12. distribution of soil microorganisms in soil. 13. factors influence the soil microflora – role of microorganisms in soil fertility Microbial internal symbiosis Neutralism commensalism competition and antagonism parasitism and predation Microorganisms of /rhizosphere Phylospere and sperm sphere Microbial interaction and their effect on plant growth		Lecture Lab Video class	2 2 1			Seminar	1			

DEPARTMENT OF BOTAN
ANNUAL CURRICULAR PLAN FOR A.Y. 2025-2026.

DEPARTMENT: BOTANY		CLASS: B.SC HONOURS BOTANY	SEMESTER: I	YEAR: 2025-2026.	PAPER: II								
NAME OF THE LECTURER: B. MAHESH NAIK			PAPER: DIVERSITY OF MICROBES										
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular			Co-Curricular Activity					
					Activity	Hours Allotted	Whether conducted	If not Alternate Date	Activity	Hours Allotted	Whether completed	If not Alternate	
DEC 2025	1	5	Unit 5 Beneficial and harmful microbes A account of symptoms of viral diseases in plant, Tungro disease in Paddy		Lecture Lab PPT	2 2 1				Assignment	1		
	2	5	A summary of symptoms bacterial diseases in plant, citrus canker Microorganisms as food, probiotics and preboitics, products from microorganism, metabolites, enzymes and antibiotics Bacterial and cyanobacterial biofertilizers-their applications, bacterial biopesticides and their applications		Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	REVISION		Lecture Lab PPT	2 2 1				Seminar	1		
	4	5	REVISION		Lecture Lab PPT	2 2 1				Assignment	1		


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Y.A. GOVT DEGREE COLLEGE CHIRALA
DEPARTMENT OF BOTANY
ANNUAL CURRICULAR PLAN 2025-2026

SEM-IV

NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU				Subject: ANATOMY AND EMBRYOLOGY OF ANGIOSPERMS									
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
DEC -2025	1	5	Unit-I_Meristematic tissues: Definition, classification, structure and functions. 2. Apical meristems: Generalized structure of shoot apex, theories on organization of Shoot Apical Meristem (SAM) - Apical cell theory, Tunica-Corpus theory and Histogen theory.	DIAGRAMATIC EXPLAINTION	Lecture Lab PPT	2 2 1				SEMINARS	1		
	2	5	Unit-I Permanent tissues (simple and complex). A brief account of plant secretory tissues/cells	DIAGRAMTIC CHARTS	Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Unit-II_ Tissue systems-Epidermal, ground and vascular. 2. Anomalous secondary growth in root of Beta vulgaris. 3. Anomalous secondary growth in stems of Boerhaave and Dracaena	LAB AND CHART EXPLAINATION PERMANENT SLIDES	Lecture Lab PPT	2 2 1				Group discussion	1		
	4	5	Unit-II Study of timbers of economic importance - Teak, Red-sanders and Rosewood. 5. Applications of anatomy in plant systematics, forensics and pharmacognosy.	LAB AND CHART EXPLAINATION PERMANENT SLIDES	Lecture Lab PPT	2 2 1				Assignment	1		

Y.A. GOVT DEGREE COLLEGE CHIRALA
DEPARTMENT OF BOTANY
ANNUAL CURRICULAR PLAN 2025-2026

ANNUAL CURRICULAR PLAN

DEPARTMENT: BOTANY

CLASS: II BSC MAJOR

SEMESTER: IV

YEAR: 2025-2026

PAPER: IX

NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU

SUBJECT: ANATOMY AND EMBRYOLOGY OF ANGIOSPERMS

Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular Activity				
					Activity				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
					Activity	Hours Allotted	Whether conducted	If not Alternate Date					
JAN 2026	1	5	Unit-III_Anther: Structure and functions of anther wall, micro-sporogenesis, callose deposition and its significance. 2. Pollen wall structure	DIAGRAMTIC EXPLAINATION	Lecture Lab PPT	2 2 1				Seminar	1		
	2	5	Unit-III MGU (male germ unit) structure, NPC system, a brief account of Palynology and its scope; development of male gametophyte		Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Unit-III. Pollen wall proteins; Pollen viability, storage and germination; Abnormal features: pseudomonads, polyads, massulae, pollinia.	DIAGRAMTIC EXPLAINATION	Lecture Lab PPT	2 2 1				Quiz	1		
	4	5	UNIT IV Structure and types of ovules, megasporogenesis, monosporic (Polygonum), bisporic (Allium) and tetrasporic (Peperomia) types of embryo sacs.	SPECIMANS	Lecture Lab Video class	2 2 1				Seminar	1		

NAAC . B

Y.A. GOVT DEGREE COLLEGE CHIRALA
DEPARTMENT OF BOTANY
ANNUAL CURRICULAR PLAN 2025-2026

DEPARTMENT: BOTANY		CLASS: II BSC MAJOR		SEMESTER: IV		YEAR: 2025-2026		PAPER: IXC				
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU				Subject: : ANATOMY AND EMBRYOLOGY OF ANGIOSPREMS								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular			Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
FEB -2026	1	5	Unit-IV Outlines of pollination; self-incompatibility- basic concepts; methods to overcome self incompatibility (mixed pollination, bud pollination, stub pollination).	CHARTS EXPLAINATION AND SPECIMENS	Lecture Lab PPT	2 2 1			Assignment	1		
	2	5	Unit-Double fertilization in angiosperms – process and consequences. 4. Perisperm; endosperm – types (free nuclear, cellular, helobial and ruminant) and biological importance	YOUTUBE	Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	Unit-V. Embryogeny in dicot (Capsella bursa-pastoris) 2. Embryogeny in monocot (Sagittariasagittifolia).	YOUTUBE	Lecture Lab PPT	2 2 1			Seminar	1		
	4	6	Unit-V Seed structure in monocot and dicot. 4. Importance of seed and seed dispersal mechanisms.	SPECIMENS AND PERMANENT SLIDES	Lecture Lab PPT	2 2 1			Assignment	1		

NAAC - II

ANNUAL CURRICULAR PLAN

DEPARTMENT: BOTANY			CLASS: II BSC MAJOR	SEMESTER: IV	YEAR: 2025-2026	PAPER: IX						
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU					Subject: : ANATOMY AND EMBRYOLOGY OF ANGIOSPREMS							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular			Co-Curricular				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
MARCH 2025	1	5	UNIT V Polyembryony and apomixes: Introduction, classification, causes and applications.	SPECIMENS	Lecture Lab PPT	2 2 1			Quiz			
	2	5	REVISION									
	3	5	REVISION									
	4	5	REVISION									

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N.A.A.C. B

DEPARTMENT: BOTANY			CLASS: II BSC MAJOR		SEMESTER: IV		YEAR: 2025-2026		PAPER: IXC				
NAME OF THE LECTURER: CH. BANGARU RAJU					SUBJECT: Plant Resources and Utilization								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted If not	Alternate Date	
JAN 2026	1	5	<u>Unit-III . A general account and economic potential of spices and condiments. 2. Plant sources and economic importance of flavouring products, beverages, fumitories and masticatories and narcotics.</u>	DIAGRAMATIC EXPLAINATION	Lecture	2				Seminar	1		
					Lab	2							
						PPT	1						
	2	5	<u>Unit-III. Utilization of some important ornamentals, flowering plants and orchids.</u>	ONLINE EXPLAINATION	Lecture	2				Assignment	1		
					Lab	2							
					PPT	1							
3	5		<u>Unit-IV : . Important timber yielding plants of India: wood as a construction and manufacturing material. 2. Other uses of wood products, such as paper and fuel.</u>	YOU TUBE EXPLAINATION	Lecture	2				Quiz	1		
					Lab	2							
					PPT	1							
4	6		UNIT :IV : 3. Energy crops, biofuels and bioplastics.		Lecture Lab	2				Seminar	1		
					Video class	1							

NAAC - B

ANNUAL CURRICULAR PLAN

DEPARTMENT: BOTANY CLASS: II BSC MAJOR SEMESTER: IV YEAR: 2025-2026 PAPER: IXC

NAME OF THE LECTURER: CH. BANGARU RAJU Subject: Plant Resources and Utilization

Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	Activity	Hours Allotted	Whether Conducted	If not - Alternate Date	
FEB 2026	1	5	<u>Unit-IV</u> : . Bamboos, Eucalyptus, Casuarina - generation of paper industry raw material.	CHARTS EXPLAINTION	Lecture Lab PPT	2 2 1			Assignment	1		
	2	5	<u>Unit-V</u> 1. Traditional and modern uses of some medicinal plants of India. 2. Active compounds in medicinal plants and their pharmacological effects.	YOUTUBE	Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	<u>Unit-V</u> : 3. Essential oils and their uses; aromatic plants in perfumery and cosmetics.	YOUTUBE	Lecture Lab PPT	2 2 1			Seminar	1		
	4	5	<u>Unit-V</u> . 4. Phytochemicals and their potential health benefits	YOUTUBE	LectureLab PPT	22 1			Assignment	1		

ANNUAL CURRICULAR PLAN

DEPARTMENT: BOTANY		CLASS: II BSC MAJOR	SEMESTER: IV	YEAR: 2025-2026	PAPER: IXC							
NAME OF THE LECTURER: CH. BANGARU RAJU					Subject : Plant Resources and Utilization							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
MARCH 2026	1	5	REVISION		Lecture 2 Lab 2 PPT 1				Quiz			
	2	5	REVISION									
	3	5	REVISION									
	4	5	REVISION									

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Signature of the Lecturer

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Head of the Department

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Signature of the Principal
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CHIRALA, Bapatla Dist., (A.P)

ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: HSC MAJOR		SEMESTER: IV		YEAR:2025-2026		PAPER: X			
NAME OF THE LECTURER: B.MAHESH NAIK				Subject : Plant Ecology, Biodiversity and Phytogeography									
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
DEC 2026	1	5	Unit-I: Ecology: definition, branches and significance; relation with other sciences. 2. Structure and functions of ecosystems- abiotic and biotic components; flow of energy	ONLINE EXPLAINTION	Lecture Lab PPT	2 2 1			SEMINARS	1			
	2	5	Unit-I Cycling of materials: water, carbon, nitrogen and phosphorus; trophic pyramids, food chains and food webs. UNIT :I : Interactions among plants; interactions between plants and animals. UNIT :I Plants and environment: Climatic (light and temperature) and edaphic.	DIAGRAMTIC CHARTS	Lecture Lab PPT	2 2 1			Assignment	1			
	3	5	Unit-II: Population ecology: definition, characteristics -natality, mortality, growth curves, ecotypes, ecads. 2. Community ecology: characteristics - frequency, density, cover, life forms, competition, biological spectrum.	CHART EXPLANATION PERMANENT SLIDES	Lecture Lab PPT	2 2 1			Group discussion	1			
	4	5	Unit-II : . Ecological succession: Hydrosere and Xerosere. 4. Concepts of productivity: GPP, NPP and Community Respiration 5. Secondary production, P/R ratio and Ecosystems	CHART EXPLAINATION	Lecture Lab PPT	2 2 1			Assignment	1			

NAAC B

ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR			SEMESTER: IV		YEAR: 2025-2026		PAPER: X		
NAME OF THE LECTURER: B. MAHESH NAIK					SUBJECT: Plant Ecology, Biodiversity and Phytogeography								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
JAN 2026	1	5	Unit-III Soil degradation – causes, consequences and management strategies. 2. Deforestation, forest fires – causes, consequences and management strategies.	DIAGRAMATIC EXPLANATION	Lecture Lab PPT	2 2 1				Seminar	1		
	2	5	Unit-III Global warming, ozone layer depletion, acid rains, ocean acidification – causes and effects.	ONLINE EXPLANATION	Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Unit-III Carbon foot prints and carbon credits; The Montreal and the Kyoto protocol. 5. Plant indicators and their role in environmental monitoring	YOU TUBE EXPLANATION	Lecture Lab PPT	2 2 1				Quiz	1		
	4	5	UNIT :IV: Biodiversity: Basic concepts, Convention on Biodiversity - Earth Summit		Lecture Lab Video class	2 2 1				Seminar	1		

ANNUAL CURRICULAR PLAN

DEPARTMENT: BOTANY CLASS: II BSC MAJOR SEMESTER: IV YEAR: 2025-2026 PAPER: X

NAME OF THE LECTURER: B. MAHESH NAIK Subject: : Plant Ecology, Biodiversity and Phytogeography

Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular			Co-Curricular				
					Activity	Hours Allotted	Whether Conducted	Activity	Hours Allotted	Whether Conducted		
					Activity	Hours Allotted	If not Alternate Date	Activity	Hours Allotted	If not Alternate Date		
FEB 2026	1	5	Unit-IV Value of Biodiversity; types and levels of biodiversity and Threats to biodiversity 3. Biodiversity Hot spots in India: North Eastern Himalayas and Western Ghats.	CHARTS EXPLAINTION	Lecture Lab PPT	2 2 1			Assignment	1		
	2	5	Unit-IV Principles of conservation: IUCN threat-categories, RED data book 5. Role of NBPGR and NBA in the conservation of Biodiversity.	YOUTUBE	Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	Unit-V: . Principles of Phytogeography, Distribution (wides, endemic, discontinuous species) 2. Endemism – types and causes.	YOUTUBE	Lecture Lab PPT	2 2 1			Seminar	1		
	4	5	Unit-V. Phytogeographic regions of World. 4. Phytogeographic regions of India	YOUTUBE	Lecture Lab PPT	2 2 1			Assignment	1		

NAAC II

ANNUAL CURRICULAR PLAN												
DEPARTMENT: BOTANY			CLASS: II BSC MAJOR			SEMESTER: IV			YEAR: 2025-2026		PAPER: X	
NAME OF THE LECTURER: B. MAHESH NAIK					Subject: : Plant Ecology, Biodiversity and Phytogeography							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular			
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
MARCH 2026	1	6	UNIT V Vegetation types in Andhra Pradesh.		Lecture	2				Quiz		
					Lab	2						
					PPT	1						
	2	6	REVISION									
3	6	REVISION										
4	6	REVISION										

B. Mahesh
Signature of the Lecturer.

[Signature]
Head of the Department.

[Signature]
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ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: I B.SC MAJOR		SEMESTER: II		YEAR: 2025-2026		PAPER: III			
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU					Subject: DIVERSITY OF ARCHEGONIATES								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
FEB 2026	1	5	<u>Unit I. Biology of Bryophytes</u> <u>General characteristics of Bryophytes: Rothmaler (1951) :-</u>	SPECIMENS EXPLAINATION	Lecture Lab PPT	2 2 1				OBERVATION OF SPECIMANS IN LABORATORY	1		
	2	5	Occurrence, morphology, anatomy, reproduction (developmental details are not needed), and life history of (a) Hepaticopsida: Marchantia	CHART EXPLAINATION	Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	(b) Anthocerotopsida Anthoceros (c) Bryopsida: Funaria	LAB AND CHART EXPLAINATION	Lecture Lab PPT	2 2 1				Group discussion	1		
	4	5	General account on the evolution of sporophytes in Bryophyta.	Specimens explanation	Lecture Lab PPT	2 2 1				Assignment	1		

ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR			SEMESTER: II		YEAR: 2025-2026		PAPER: III		
NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU					SUBJECT: DIVERSITY OF ARCHEGONIATES								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
MARCH 2026	1	5	Unit II Biology of Pteridophytes. Occurrence, morphology, anatomy, reproduction (developmental details are not needed), and life history of		Lecture Lab PPT	2 2 1				Seminar	1		
	2	5	(a) Lycopside: Lycopodium and (b) Filicopsida: Marsilea (c) Spenopsida Equisetum		Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	UNIT III: Evolutionary trends in pteridophytes Geological time scale of : a brief account of Rhynie Stealer evolution in pteridophytes heterospory and seed habit Ecological and economic importance of Pteridophytes	TREE CHART EXPLAINATION	Lecture Lab PPT	2 2 1				Quiz	1		

ANNUAL CURRICULAR PLAN

DEPARTMENT: BOTANY

CLASS: I BSC MAJOR

SEMESTER: II

YEAR: 2025-2026

PAPER: III

NAME OF THE LECTURER: BANGARU RAJU CHOPPARAPU

Subject: DIVERSITY OF ARCHEGONIATES

Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity			Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
APRIL 2026	1	5	Unit-IV. General characteristics of Gymnosperms; Sporne (1965) classification.	CHARTS EXPLAINTION	Lecture Lab PPT	2 2 1			Assignment	1		
	2	5	2. Occurrence, morphology, anatomy, reproduction (developmental details are not needed) and life history of:(a) Cycadopsida: <u>Cycas</u>		Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	(b) ginkgoopsidda: Ginkgo snd (C) Gnetum Unit-V. Evolutionary Trends in Gymnosperms A brief account on fossilization processes and types of fossils		Lecture Lab PPT	2 2 1			Seminar	1		
	4	5	.A over view of Cycadeoidae and pentaoxylon A summary of Evolutionary trends in Gymnosperms Ecological and economic importance of Gymnosperms		Lecture Lab PPT	2 2 1			Assignment	1		

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ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: I BSC MAJOR			SEMESTER: II		YEAR: 2025-2026		PAPER: III		
NAME OF THE LECTURER: BANGARU-RAJU CHOPPARAPU					Subject: DIVERSITY OF ARCHEGONIATES								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether conducted	If not Alternate Date	Activity	Hours Allotted	Whether conducted	If not Alternate Date	
MAY 2026	1	6	Revision		Lecture Lab PPT	2 2 1				Quiz			
	2	6	Revision										
	3	6	Revision										
	4	6	Revision										

Signature of the Lecturer

Head of the Department

Signature of the Principal

ANNUAL CURRICULAR PLAN

ANNUAL CURRICULAR PLAN												
DEPARTMENT: BOTANY				CLASS: I B.SC MAJOR			SEMESTER: II		YEAR 2025-2026		PAPER: IV	
NAME OF THE LECTURER: B. MAHESH NAIK					Subject: ANATOMY AND EMBRYOLOGY OF ANGIOSPREMS							
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular Activity			
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
FEB 2026	1	5	<u>Unit-1: TISSUES IN PLANTS</u> Meristematic tissues: Definition, classification, structure and functions. 2. Apical meristems: Generalized structure of shoot apex, theories on organization of Shoot Apical Meristem (SAM) - Apical cell theory, Tunica-Corpus theory and Histogen theory.	DIAGRAMATIC EXPLAINTION	Lecture Lab PPT	2 2 1			SEMINARS	1		
	2	5	Permanent tissues (simple and complex) . A brief account of plant secretory tissues/cells	DIAGRAMTIC CHARTS	Lecture Lab PPT	2 2 1			Assignment	1		
	3	5	<u>Unit-II:</u> Tissue systems– Epidermal, ground and vascular.	LAB AND CHART EXPLAINATION PERMANENT SLIDES	Lecture Lab PPT	2 2 1			Group discussion	1		
	4	5	2. Anomalous secondary growth in root of Beta vulgaris 3. Anomalous secondary growth in stems of Boerhaave and Dracaena	LAB AND CHART EXPLAINATION PERMANENT SLIDES	Lecture Lab PPT	2 2 1			Assignment	1		

ANNUAL CURRICULAR PLAN

ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: II BSC MAJOR			SEMESTER: II		YEAR: 2025-2026		PAPER: IV		
NAME OF THE LECTURER: B. MAHESH NAIK				SUBJECT: ANATOMY AND EMBRYOLOGY OF ANGIOSPERMS									
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular				
					Activity	Hours Allotted	Whether conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
MARCH 2026	1	5	Study of timbers of economic importance - Teak, Red-sanders and Rosewood. 5. Applications of anatomy in plant systematics, forensics and pharmacognosy. : <u>Unit-III</u> Anther: Structure and functions of anther wall, microsporogenesis. 2. Pollen wall structure NPC system development of male gametophyte	DIAGRAMTIC EXPLANATION	Lecture Lab PPT	2 2 1				Seminar	1		
	2	5	MGU (male germ unit) Pollen wall proteins;		Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Pollen viability, storage and germination; Abnormal features: pseudomonads, polyads, Nemecc phenomenon a brief account of Palynology and its scope;	DIAGRAMTIC EXPLAINATION	Lecture Lab PPT	2 2 1				Quiz	1		
	4	5	UNIT IV ovules fertilization and endosperm Structure and types of ovules, megasporogenesis; monosporic (Polygonum), bisporic (Allium) and tetrasporic (Peperomia) types of embryo sacs.	SPECIMANS	Lecture Lab Video class	2 2 1				Seminar	1		

ANNUAL CURRICULAR PLAN

ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: I BSC MAJOR		SEMESTER:II		YEAR: 2025-2026		PAPER: IV			
NAME OF THE LECTURER: B. MAHESH NAIK				Subject: : ANATOMY AND EMBRYOLOGY OF ANGIOSPREMS									
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
APRIL 2026	1	5	pollination; types of self-pollination contrivances agents of pollination.	CHARTS EXPLAINATION AND SPECIMENS	Lecture Lab PPT	2 2 1				Assignment	1		
	2	5	Double fertilization in angiosperms – process and consequences. Perisperm; endosperm – types (free nuclear, cellular, helobial and ruminant) and biological importance	YOUTUBE	Lecture Lab PPT	2 2 1				Assignment	1		
	3	5	Unit-V: Embryogeny and seeds 1.Embryogeny in dicot (Capeosella bursa-pastoris) 2. Embryogeny in monocot (Sagittariasagittifolia).	YOUTUBE	Lecture Lab PPT	2 2 1				Seminar	1		
	4	6	Seed structure in monocot and dicot. Importance of seed and seed dispersal mechanisms. Polyembryony and apomixes: Introduction, classification, causes and applications	SPECIMENS AND PERMANENT SLIDES	Lecture Lab PPT	2 2 1				Assignment	1		

ANNUAL CURRICULAR PLAN													
DEPARTMENT: BOTANY				CLASS: I BSC MAJOR			SEMESTER: II		YEAR: 2025-2026		PAPER: IV		
NAME OF THE LECTURER: B. MAHESH NAIK					Subject: : ANATOMY AND EMBRYOLOGY OF ANGIOSPERMS								
Month	Week	Hours available	SYLLABUS / TOPIC	Additional Input/value Addition	Curricular				Co-Curricular				
					Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date	
May 2026	1	5		SPECIMENS	Lecture Lab PPT	2 2 1			Quiz				
	2	5	REVISION										
	3	5	REVISION										
	4	5	REVISION										


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CHIRALA - 523 155

TEACHING DIARY & ANNUAL ACADEMIC PLAN

Year 2025 -2026

Name of the Lecturer :.....Dr.P. Neerada.....

Department.....Chemistry.....

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Dr.P. Neerada

Name of the Department : Chemistry

Class : <u>B.Sc</u>			Year : <u>II</u> Semester : <u>III</u>		Paper : <u>IV organic chemistry</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	July	5	Structural theory in organic chemistry Types of bond fission and organic reagents Reaction intermediates carbocations, carbanions free radicals. Bond Polarization. Factors influencing the polarization of covalent bonds Inductive effect - Applications. Resonance mesomeric effect - Applications. Hyperconjugation & its applications	Notes Material	Teaching	5	Yes							NIL
														Assignment
														Student seminar
	August	5	Saturated Hydrocarbons (Alkanes & cycloalkanes) General methods of preparation of alkanes Wurtz and Wurtz-Fittig reaction, Corey House synthesis, physical and chemical properties of alkanes, conformational analysis of alkanes General molecular formulae of cycloalkanes and relative stability Baeyer strain theory cyclohexane conformations with energy diagram Conformations of mono substituted cyclohexane	Notes Material	Teaching	5	Yes							NIL
														Assignment
														Student seminar

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Dr. P. Neerada

Name of the Department : Chemistry

Class : B.Sc Year : IV Semester : VIII Paper : 14A Inorganic Chemistry

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	August	5	Non metal cages and metal clusters: structure and bonding in phosphorus, oxygen, phosphorus sulphur cages, electron counting rules, Wade's and Lohmeyer's rules. structure & bonding in di nuclear ($Re_2Cl_9^{2-}$) ion	Notes, Material	Teaching	5	Yes							NIL
	September	5	Organo metallic chemistry of transition metals. classification & electron counting rules, hapticity	Notes, Material	Teaching	5	Yes				student seminar			NIL
			Synthesis, structure & bonding of ferrocene, dibenzene chromium, cycloheptatriene & tropylium complexes of transition metals. Reactions of organo metallic compounds oxidative addition reductive elimination Applications of organo metallic compounds - catalytic hydrogenation, Hydroformylation.											
	October	5	Reaction mechanism of transition metal complexes. Kinetics of octahedral substitution acid hydrolysis, base hydrolysis - conjugate base (CB) mechanism Anation reactions.	Notes, Material	Teaching	5	Yes				Assignments			NIL

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Dr. P. Neerada Name of the Department : Chemistry

Class : B. SC Year : IV Semester : VIII Paper : 15A, Organic Chemistry

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
			Isolation, structure determination and synthesis of androsterone, testosterone, oestrone & Progesterone.											
	February 5	5	Flavonoids & Isoflavonoids: occurrence, nomenclature & general methods of structure determination, isolation. Quercetin, Biosynthesis of flavonoids & isoflavonoids.	Notes material	Teaching	5	Yes							NIL

Student Seminar

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Ch. M. H.
Signature of the HOD

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TEACHING DIARY & ANNUAL ACADEMIC PLAN

Year 2025 -2026

Name of the Lecturer : *Dr. S. Raja Sekhar Reddy*

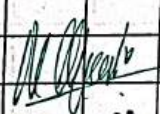
Department: *Chemistry*

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : DR. S. RAJASEKHA REDDY Name of the Department : Chemistry

Class : <u>BSc</u>			Year : <u>2025</u> Semester : <u>D</u>		Paper : <u>Inorganic Chemistry-II</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
1	Sept 3 rd	3+2	Chemistry of s-block elements - I	Indu. appl.	Quiz YES	1				NO				
2	Sept 15	3+2	Chemistry of p-block elements - I		NO					Yes	1			
3	Oct 1 st	3+2	Chemistry of p-block elements - II		Yes	1				NO				
4	Oct 20 th	3+2	Chemistry of p-block elements - II		NO					Yes	1			
5	Oct 3 rd	3+2	Chemistry of d-block elements.											
6	Nov 1 st	3+2	Chemistry of d-block elements.		Yes	1				NO				
7	Nov 20 th	3+2	Chemistry of d-block elements.											
8	Nov 3 rd	3+2	Chemistry of f-block elements.		Yes	1				NO				
9	Nov 15 th	3+2	Chemistry of f-block elements.											
10	Dec 1 st	3+2	General principles of Metallurgy.											
11	Jan 1 st	3+2	General principles of Metallurgy.		Yes	1				NO				
12	Jan 20 th	3+2	Corrosion											
13	Jan 3 rd	3+2	Corrosion		NO					Yes	1			


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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: DR. S. RAJASEKAR REDDY Name of the Department: Chemistry

Class: II BSc Chem Major Year: 2025-26 Semester: III Paper: _____

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1	NOV 4 th WK	3+2	Amines	Synthesis	flipkey	1							
2	DEC 1 st WK	3+2	Amines										
3	JAN 1 st WK	3+2	Amines										
4	JAN 2 nd WK	3+2	Amino Acids										
5	JAN 3 rd WK	3+2	Amino Acids										
6	JAN 4 th WK	3+2	Amino Acids										
7	FEB 1 st WK	3+2	Nitro hydro Carbon	Named reaction		1							
8	FEB 2 nd WK	3+2	Heterocyclic Compounds										
9	FEB 3 rd WK	3+2	Heterocyclic Compounds										
10	FEB 4 th WK	3+2	U-V-Visible & IR Spectroscopy	IMA									
11	MAR 1 st WK	3+2	U-V-Visible & IR Spectroscopy										
12	MAR 2 nd WK	3+2	Heterocyclic Compounds	Synthesis									
13	MAR 3 rd WK	3+2	Heterocyclic Compounds										
13	MAR 4 th WK												
14	APRIL 1 st WK												


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TEACHING DIARY & ANNUAL ACADEMIC PLAN

Year 2025 -2026

Name of the Lecturer :..... *Ch. Bala Bharathi*

Department..... *Chemistry*

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Ch. Bala Bharathi

Name of the Department : Chemistry

Class : <u>II - B.Sc (Chemistry)</u>			Year : <u>II</u> Semester : <u>III</u>		Paper : <u>Organic Chemistry</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date		
	<u>July - 2025</u>													
	<u>I-week</u>	<u>3hrs</u>	<u>UNIT - I Halogeno Compounds</u> <u>Preparation of Alkyl halide from Alkanes, Alkyl & Alcohols. Nucleophilic substitution Reaction Mechanism of SN¹ reaction.</u>		<u>Theory</u>	<u>3hrs</u>	<u>Yes</u>							
					<u>Practical</u>	<u>2hrs</u>	<u>Yes</u>							
	<u>II-week</u>	<u>2hrs</u>	<u>Mechanism of SN² reaction with Energy profile diagram Stereochemical aspects and effect of solvent</u>		<u>Theory</u>	<u>2hrs</u>	<u>Yes</u>							
					<u>Practical</u>	<u>2hrs</u>	<u>Yes</u>							
	<u>III-week</u>	<u>3hrs</u>	<u>Williamson Synthesis, preparation of Aryl halide from phenols and Sandmeyer's reaction. Aromatic nucleophilic substitution reaction Benzene mechanism</u>		<u>Theory</u>	<u>3hrs</u>	<u>Yes</u>		<u>Slip test</u>	<u>1hr</u>	<u>Yes</u>			
					<u>Practical</u>	<u>2hrs</u>	<u>Yes</u>							
	<u>IV-week</u>	<u>3hrs</u>	<u>Relative reactivity of alkyl, allyl, vinyl, benzyl & aryl halides towards Nucleophilic Substitution Reaction.</u>		<u>Theory</u>	<u>3hrs</u>	<u>Yes</u>		<u>Assignment</u>		<u>Yes</u>			
					<u>Practical</u>	<u>2hrs</u>	<u>Yes</u>							
			<u>UNIT - II Alcohol & phenols</u> <u>Preparation of 1^o, 2^o, 3^o alcohol from Grignard reagent, Bouveault-Blanc reduction, Substitution of -OH group by using PCl₅, PCl₃, POCl₃, SOCl₂</u>											
	<u>V-week</u>	<u>2hrs</u>	<u>Reaction with HX/ZnCl₂ oxidation of alcohol with PCC & PDC, oxidation of diol by HIO₄ and Pb(OAc)₂</u>		<u>Theory</u>	<u>2hrs</u>	<u>Yes</u>		<u>Student</u>	<u>1hr</u>	<u>Yes</u>			
					<u>Practical</u>	<u>2hrs</u>	<u>Yes</u>		<u>Exam</u>					

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Ch. Bala Bhavathi


Name of the Department : Chemistry

Class : II-B.Sc (Chemistry) Year : II Semester : III Paper : Organic Chemistry

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
			Ring size of Glucose & Fructose, Haworth projection and conformational structure, Interconversion of Aldose and ketose		Theory practical	2 hrs 1 hr	Yes Yes		Student Seminar	1 hr	Yes		
IV-week	2hr		Killiani Fischer synthesis and Ruff degradation, Disaccharides - Haworth structure of maltose, lactose and sucrose		Theory practical	3 hrs 2 hrs	Yes Yes		Assignment		Yes		

Ch. B. B.
Signature of the Lecturer

Ch. B. B.
Signature of HOD


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Ch. Bala Bharathi

Name of the Department : Chemistry

Class : IV - B.Sc & I - B.Sc (Chemistry) Year : II & I Semester: VII & I Paper : General Chemistry Corrosion and its prevention

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
			Evolution, Introduction of Semiconductors		Theory 3hrs Practical 2hrs	Yes Yes		Assignment 1	Yes				
	IV-week	3hrs	Classification of Semiconductors - Doped Semiconductors - Superconductors										
			Signature of Lecturer		Signature of HOD			Signature of Principal					
								PRINCIPAL Y.A. Govt. College for Women CHIRALA, Bapatla Dist., (A.P.)					

September - 2025

III-week 3hrs UNIT-I Atomic structure and Periodic table
Electronic configuration, Aufbau principle, Hund's rule and Pauli's exclusion principle
Periodic law and arrangement of elements in the periodic table

Theory 3hrs Yes
Practical 2hrs Yes

IV-week 1hr Horizontal, vertical and diagonal relationships

Theory 1hr Yes

October - 2025

II-week 2hrs Definition and periodic trends of Atomic radii, Ionic radii, covalent radii and Ionization potential

Theory 2hrs Yes
Practical 1hr Yes

Assignment 1hr Yes

III-week 3hrs Definition and periodic trends of Electron affinity, Electro negativity, Pauling scale, Variable Valency, inert pair effect.

Theory 3hrs Yes
Practical 2hrs Yes

Assignment Yes

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Ch.Bala Bharathi

Name of the Department : Chemistry

Class : <u>I-B.Sc (Chemistry)</u>			Year : <u>I</u> Semester : <u>I</u>		Paper : <u>General Chemistry</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
			<u>UNIT-II Ionic bond</u> <u>properties of ionic compounds</u>											
	<u>IV-week</u>	<u>3hr</u>	<u>Factors favouring the formation of ionic compound</u> <u>Lattice energy definition,</u> <u>Factors affecting lattice energy. Born-Haber cycle</u> <u>Enthalpy of formation of ionic compound</u>		<u>Theory</u>	<u>3hr</u>	<u>Y</u>			<u>Student</u>	<u>1hr</u>	<u>Y</u>		
					<u>practical</u>	<u>1hr</u>	<u>Y</u>			<u>seminar</u>				
	<u>IV-week</u>	<u>2hr</u>	<u>Solubility and stability</u> <u>covalent character in</u> <u>ionic compounds, Polarisation</u> <u>and Faian's Rule</u>		<u>Theory</u>	<u>2hr</u>	<u>Y</u>							
					<u>practical</u>	<u>2hr</u>	<u>Y</u>							
<u>November-2025</u>														
	<u>I-week</u>	<u>2hr</u>	<u>Effects of polarisation</u> <u>UNIT-III Covalent bond</u> <u>Valence bond theory</u> <u>Hybridisation of Atomic orbitals</u>		<u>Theory</u>	<u>3hr</u>	<u>Y</u>			<u>sketch</u>	<u>1hr</u>	<u>Y</u>		
					<u>practical</u>	<u>2hr</u>	<u>Y</u>							
	<u>II-week</u>	<u>3hr</u>	<u>Types of Hybridisation</u> <u>Geometry of BeCl₂, BF₃,</u> <u>CH₄, PCl₅ & SF₆, Postulate</u> <u>of VSEPR theory</u>		<u>Theory</u>	<u>3hr</u>	<u>Y</u>			<u>Assignment</u>		<u>Y</u>		
					<u>practical</u>	<u>2hr</u>	<u>Y</u>							
	<u>III-week</u>	<u>3hr</u>	<u>Structures of NH₃, H₂O,</u> <u>SF₄, ICl₂ and XeF₄</u> <u>Molecular orbital theory,</u> <u>LCAO method. M.O diagram</u> <u>of N₂ & O₂</u>		<u>Theory</u>	<u>3hr</u>	<u>Y</u>			<u>Mid-1 Examination</u>				
					<u>practical</u>	<u>2hr</u>	<u>Y</u>							
	<u>IV-week</u>	<u>3hr</u>	<u>M.O diagrams of CO & NO</u> <u>UNIT-IV Metallic and Hydrogen</u> <u>bonds: Metallic properties,</u> <u>Free electron theory</u> <u>Band theory of metals</u>		<u>Theory</u>	<u>3hr</u>	<u>Y</u>							
					<u>practical</u>	<u>2hr</u>	<u>Y</u>							

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Name of the Lecturer: Ch. Bala Bharathi

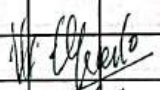
Name of the Department: Chemistry

Class: I-B.Sc (Chemistry)

Year: I

Semester: I

Paper: General Chemistry

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
			<u>December-2025</u>											
	I-week	3 hrs	Molecular orbital theory conductor, semiconductor & insulator. Hydrogen bond types and properties. Influence on the physical properties of molecule.		Theory 3hrs practical 1hr	Yes Yes		Project 1hr Seminar	1hr	Yes				
	II-week	2hrs	vanderwaal's force, Dipole-Dipole interaction, Dispersion force		Theory 2hrs practical 2hr	Yes Yes		Assignment		Yes				
	III-week	2hrs	<u>UNIT-V Nuclear Chemistry</u> Definition, Isotopes, n/p ratio, Binding energy Types of Radioactivity		Theory 3hrs practical 2hr	Yes Yes								
			Soddy-Fajan's displacement law											
	IV-week	1hr	Law of Radioactivity Radioactive decay series		Theory 1hr	Yes								
	V-week	2hrs	Nuclear reaction Nuclear fission and Nuclear fusion reaction		Theory 2hrs	Yes								
			<u>January-2025</u>											
	I-week	1hr	Applications of Radioactivity		Theory 1hr	Yes								
			Ch. B. to Signature of lecturer		Ch. B. to Signature of HOD			 PRINCIPAL						

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ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Chirala Bhavathi

Name of the Department : Chemistry

Class : II-B.Sc (Chemistry) Honors & Minor Year : II Semester : IV Paper : General & Physical Chemistry

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
			Derivation of Rate constant of first order reaction, Half-life and units of k_1 , problems on first order reaction		Theory	3hr	Y		Assigned		Y		
					practical	2hr	Y						
II-week		3hr	Derivation of Rate constant of Second order reaction having similar and different reactants, Half-life, units of k_2 , problems on second order reaction		Theory	3hr	Y		Student		Y		
					practical	2hr	Y		Quiz				
III-week		3hr	Integration & Graphical method										
			Half-life method, Vanthoff's differential method and										
			Ostwald's dilution method		Theory	3hr	Y		Assigned		Y		
			UNR-II: chemical kinetics-II		practical	2hr	Y						
			concept of Activation energy & its calculation from Arrhenius equation.										
IV-week		2hr	Theories of Reaction Rates		Theory	3hr	Y		Student		Y		
			collision theory and activated complex theory of bimolecular reaction - comparison of the two theories		practical	2hr	Y		Seminar				
			<u>March-2026</u>										
I-week		2hr	Enzyme catalysis, specificity, Factors affecting enzyme activity		Theory	2hr	Y		Class		Y		
			-Inhibitors & lock & key model		practical	2hr	Y		discussion				
II-week		3hr	Michaelis-Menten equation derivation & significance of Michaelis-Menten constant		Theory	3hr	Y		Student Seminar		Y		

Ch. B. Th

Signature of Lecturer

Ch. Th Th

Signature of HOD

(Signature)

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : H. Bhargyala

Name of the Department : Commerce

Class : B.Com Year : 3rd Semester : IV Paper : Advertising & Media Planning

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	June-3	4	Introduction nature & scope	Material	Test	1	yes						
	4	4	Functions ^{ethical} impact social	Material	Test	1	yes						
	July-1	4	Tools, process for promotion of Business development	Material	Test	1	yes						
	2	4	Criticizing Advt Types of Advt agencies.	Material	Test	1	yes						
	3	4	Strategies in creating advt, objectives	Material	Test	1	yes	clean & apte	2	yes			
	4	4	Approach, Campaigning process, Role of Advt standard council of India	Material	Test	1	yes						
	5	4	DGMAR approach	Material	Test	1	yes						
	Aug-1	4	creativity and commercial of Advt, creative thing process	Material	Test	1	yes						
	2	4	appeals, copy writing - issues in creation of copy Testing,	Material	Test	1	yes						
	3	4	Slogan Elementary design principles of Design	Material	Test	1	yes	SASA	2	yes			
	4	4	Advt Media Role of Media	Material	Test	1	yes						

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : M. Bhagyalaxmi

Name of the Department : Commerce

Class : B.Com

Year : 3rd

Semester : V

Paper : AMP

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	sep 1	4	Types of Media	Material	Test	1	Yes						
	2	4	Advantages and disadvantages of Media Media planning	Material	Test	1	Yes						
	3	4	selection of Media Media strategy	Material	Test	1	Yes	SASA	2	Yes			
	4	4	Market analysis Media choice	Material	Test	1	Yes						
	oct 1	4	Influencing Factors Target nature	Material	Test	1	Yes						
	2	4	Timing, Frequency Language	Material	Test	1	Yes						
	3	4	Geographical issues	Material	Test	1	Yes	SASA	2	Yes			
	4	4	Case studies	Material	Test	1	Yes						
	nov 1	4	Positioning	Material	Test	1	Yes						
	2	4	Positioning	Material	Test	1	Yes						

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Bhargya Laxmi

Name of the Department : Commerce

Class : B.Com Year : II Semester : III Paper : Organisational Behaviour

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	June													
	1	4	Introduction	Material	Test	1	Yes							
			Important historical development of OB											
	7	4	Factors influencing ob	Material	Test	1	Yes							
			Perception and Attribution											
	July													
	1	4	concept, nature process	Material	Test	1	Yes							
			Factors influencing perception											
			values of attitude perception											
	7	4	stages of personality development	Material	Test	1	Yes							
			Determination of personality											
			concepts of learning											
	3	4	concepts importance and theories of Motivation	Material	Test	1	Yes	SASA	2	Yes				
	4	4	concepts characteristics theories and styles of leadership	Material	Test	1	Yes							
	Aug													
	1	4	Managerial grid leadership continuum leadership effectiveness	Material	Test	1	Yes							
	2	4	group & group dynamics Formation characteristics and Types of groups	Material	Test	1	Yes							
	3	4	Theories of group dynamics Group cohesiveness Factors influencing group cohesiveness	Material	Test	1	Yes	SASA	2	Yes				
	4	4	Group decision making process Types of Teams Analysis of interpersonal relationship	Material	Test	1	Yes							

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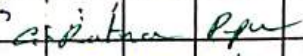
ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : H. Bhargyalaxmi

Name of the Department : Commerce

Class : Bcom Year : II Semester : III Paper : OB

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	sep													
	1	4	Transactional Analysis Idhari windows	Material	Test	1	yes							
	2	4	Meaning and importance of change. Factors Contributing to organisational change	Material	Test	1	yes							
	3	4	change agents Resistance to change	Material	Test	1	yes	SASA	2	yes				
	4	4	causes of and dealing with resistance to change organisational development process	Material	Test	1	yes							
	oct													
	1	4	conflicts and effectiveness concepts of organisational culture	Material	Test	1	yes							
	2	4	Diff between organisational culture, climate. Factors influencing organisational culture.	Material	Test	1	yes							
	3	4	Non Moral concepts Managing conflict	Material	Test	1	yes	SASA	2	yes	yes			
	4	4	indicators of organisational effectiveness Achieving organisational effectiveness. power & politics	Material	Test	1	yes							
	nov													
	1	4	Revision											
	2	4	Revision											


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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Bhagyalaaxmi

Name of the Department : Commerce

Class : B.Com Year : II Semester : III Paper : Blaw


S.No	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	June													
	3	4	Introduction Contract, deed	Material	Test	1	Yes							
	4	4	Types of Contracts	Material	Test	1	Yes							
	July													
	1	4	essentials of Contract valid contract act 1872	Material	Test	1	Yes							
	2	4	offer - Types of offer rules of offer	Material	Test	1	Yes							
	3	4	Acceptance Types of rules of offer	Material	Test	1	Yes	SASA	2	Yes				
	4	4	Essential elements of consideration	Material	Test	1	Yes							
	Aug													
	1	4	capacity of parties contract - Rules regarding to minor	Material	Test	1	Yes							
	2	4	Rules relating to contingent Breach of Contract	Material	Test	1	Yes							
	3	4	Modes of Discharge of Contract Remedies Breach of Contract	Material	Test	1	Yes	SASA	2	Yes				
	4	4	Privity of Contract	Material	Test	1	Yes							
	Sep													
	1	4	Sale of goods act 1930 contract of Sale of Assent	Material	Test	1	Yes							
	2	4	Implied Condition warrants Right of unpaid vendor	Material	Test	1	Yes							
	3	4	Consumer, person, goods Service	Material	Test	1	Yes	SASA	2	Yes				
	4	4	Consumer Disputes consumer protection Councils	Material	Test	1	Yes							
	Oct													
	1	4	Disputes Redress Mechanism	Material	Test	1	Yes							
	2	4	Cyber Law, Digital Signature Software Mechanism	Material	Test	1	Yes							

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Bhagyalaxmi

Name of the Department : Commerce

Class : <u>B.Com</u>			Year : <u>II</u> Semester : <u>III</u>			Paper : <u>PLAW</u>							
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	3	4	crimes, Cyber crimes	Material	Test	1	Yes		SASA	2	Yes		
	4	4	Revision	Material	Test	1	Yes						
	NOV												
	1	4	Revision	Material	Test	1	Yes						
	2	4	Revision	Material	Test	1	Yes						


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Bhargya Lakshmi

Name of the Department : Commerce

Class : <u>II B Com</u>			Year : <u>II B Com</u> Semester : <u>IV</u>			Paper : <u>Auditing</u>					Remarks		
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	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	4	Introductory objectives Importance of Auditing	Material	Test	1	Yes						
	5	4	Characteristics Basic Accounting & Auditing vs	Material	Test	1	Yes						
Dec													
	1	4	Role of Auditor in corporate Types of Audit	Material	Test	1	Yes						
	2	4	Types of Audit	Material	Test	1	Yes						
	3	4	Planning of Audit New Audit, Audit program	Material	Test	1	Yes	SASA	2	Yes			
Jan													
	4	1	Audit note Book	Material	Test	1	Yes						
	5	1	Audit working paper	Material	Test	1	Yes						
Feb													
	1	2	Internal check, Internal Audit	Material	Test	1	Yes						
	2	4	Internal control imp of vouching, objectives.	Material	Test	1	Yes						
	4	4	vouching of cash and trade Investigation, Audit investigation	Material	Test	1	Yes	SASA	2	Yes			
	5	4	Investigation, Diff	Material	Test	1	Yes						
Mar													
	2	4	Auditor qualifications Appointment & Re appointment	Material	Test	1	Yes						
	3	4	Rights duties, liabilities	Material	Test	1	Yes						
	4	4	Qualification and disqualification Audit Report	Material	Test	1	Yes	SASA	2	Yes			
	5	4	contents, Preparation Provision provisions of Companies Act 2013	Material	Test	1	Yes						

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: M. Bhagyalaxmi

Name of the Department: Commerce

Class: <u>B.Com</u>			Year: <u>II</u> Semester: <u>IV</u>		Paper: <u>Auditing</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date		
	<u>Nov</u>													
	<u>2</u>	<u>4</u>	<u>Revision</u>											
	<u>3</u>	<u>4</u>	<u>Revision</u>											

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Bhargyalaak

Name of the Department : Commerce

Class : B.Com Year : II Semester : IV Paper : Marketing Management

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
	Nov	4	Introduction Importance	Material	Test	1	Yes						
			Scope of Marketing										
	5	4	Concepts of Marketing Marketing process Element of Marketing	Material	Test	1	Yes						
	Dec	1	Marketing Mix Price, place, promotion product	Material	Test	1	Yes						
	2	4	Marketing Environment Macro, Micro	Material	Test	1	Yes						
	3	4	Marketing Segmentation Levels of segmentation	Material	Test	1	Yes						
	4	1	Patterns of Targeting	Material				SASA	2	Yes			
	5	1	Positioning strategies	Material									
	Jan	1	Segmentation targeting positioning for competitive advantage	Material									
	2	4	Characteristics of product Benefits, classifying products	Material	Test	1	Yes						
	4	4	New product development Product life cycle	Material	Test	1	Yes			SASA	2	Yes	
	5	4	Branding, packaging, labeling	Material									
	Feb	2	Warranties & Guarantees	Material	Test	1	Yes						
			Factors of pricing decision										
	3	4	Objective, policies, procedure Types of pricing strategies	Material	Test	1	Yes						
	4	4	Physical distribution Importance, kinds of marketing channel	Material	Test	1	Yes			SASA	2	Yes	
	5	4	Process of IMC, Promotional Mix	Material	Test	1	Yes						

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : H. Bhargyatala

Name of the Department : Commerce

Class : <u>Bcom</u>			Year : <u>II</u>		Semester : <u>IV</u>		Paper : <u>1-11</u>						
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
	Mar 2	4	Advertising, Publicity, public relations, personal selling	Material	Test	1	Yes						
	3	4	Revision										
	4	4	Revision										

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Bhagyalaxmi

Name of the Department : Counsellor

Class : <u>Bcom</u>			Year : <u>II</u> Semester : <u>IV</u>		Paper : <u>H.P.M.</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	Nov													
	4	2	Steps of Training											
			Description of a Training Program											
	5	2	Methods, Evaluation of Training											
			A.											
	Dec													
	1	2	concepts, techniques employed											
			Training vs executive development											
	2	2	Methods of Job evaluation											
			performance appraisal											
	3	2	objectives & components of											
			Compensation											
	4	1	process of performance appraisal											
	5	1	compensation											
	Jan													
	1	2	objectives of Industrial relations											
	2	2	Types of Disputes of Industrial relations											
	3	2	grievance Redressal procedure											
	5	2	collective bargaining Types											
	Feb													
	2	2	process of collective bargaining											
	3	2	Revision											
	4	2	Revision											
	5	2	Revision											
	Mar 1	2	Revision											
	2	2	Revision											
III Sem end exam					25 th	March	April	2 nd						

C. Lakshmi Rao
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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M.S. Velanganni

Name of the Department : Commerce

Class : II Bcom Gen & Comp. Year : II Bcom Semester : III Paper : Income Tax

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date		
	July													
	1	4	Concept of Tax, Types of Tax, Assessment Yr, Previous Yr.	Material	Test	4	Yes	-	-	-	-			
	2	5	Agricultural Income, Exempt incomes U/s 10.	Material	Test	5	Yes	A-	Assignment					
	3	4	Residential status of an Individual - sums	Material	Test	4	Yes							
	4	5	Concept of Salary, Allowance HRA provisions - sums	Material	Test	5	Yes							
	5	4	Perquisites - types - sums	Material	Test	4	Yes		Seminar					
	August													
	1	2	Deduction U/s 16 - sums	Material	Test	2	Yes							
	2	4	Sums in Salary Income	Material	Test	4	Yes							
	3	3	Concept of house property, Types of Rental values, deemed to be let out	Material	Test	3	Yes							
	4	4	Pre construction Interest - sums	Material	Test	4	Yes							
	5	4	Deductions U/s 24 - sums	Material	Test	4	Yes							
	September													
	1	3	Concept of Capital Gain, Types Exemptions U/s 54 - sums	Material	Test	3	Yes							
	2	3	Concept of Business Income Admissible & Inadmissible expenses.	Material	Test	3	Yes		Seminar					

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Ms. Velanganni Name of the Department : Commerce

Class : II Bcom Gen & Comp. Year : II Bcom Semester : II Paper : Income Tax

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	Oct 3	5	Proforma of Business & professions - sums	Material	Test	5	Yes						
	4	3	Concept of Other Sources General, Specific Income Sums	Material	Test	3	Yes						
	5	2	Deductions u/i 80 C-80U	Material	Test	2	Yes						
	NOV. 1	4	Total Income - Sums	Material	Test	4	Yes						

Jc/ G. Ratna Raju

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : M. Velanganni Name of the Department : Commerce

Class : II Bcom General Year : II Bcom Semester : III Paper : Banking Theory & Practice

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
	September '25	5	Co-operative banks. Functions, types.		5	Yes							
	4	3	Regional rural banks features, types.		3	Yes							
	5	2	SIDBI banks - functions		2	Yes							
	October												
	1	3	Nabard and Exim banks.		3	Yes							
	2	3	Find mid exams.		3	Yes							
	3	5	Co-operative banks and Customers definition, relationship between banks and customers		5	Yes							
	4	5	Types of Customers, General & Spl relationship with banks.		5	Yes							
	5	4	KYC Norms, Duties & responsibilities of Collecting banker.		4	Yes							
	Nov												
	1	4	Holder in Due Course, Responsibilities of Paying banker - Payment Gateways		4	Yes							

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Velanganni Name of the Department : Commerce

Class : Beam Computers Year : III Semester : V Paper : GST with Tally

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	
	July	4	Overview of GST - Concepts Taxes subsumed under GST			4	Yes						
1	2	5	Components of GST GST Council		Test	5	Yes						
2	3	4	Advantages of GST in different sectors			4	Yes						
3	4	5	Registration process for small, large units			5	Yes						
4	5	4	GST awareness to different industrial sectors			4	Yes						
August													
1	2		1st mid examinations			2	Yes						
2	4		Accounting Masters concept in Tally.			4	Yes						
3	3		Company creation in Tally - alter, delete, shut			3	Yes						
4	4		General ledgers in Tally - Pre-defined ledgers			4	Yes						
5	4		Gst ledgers creation - alter delete, shut of ledgers.			4	Yes						
September													
1	3		Pre-defined groups in Tally, create, alter, delete			3	Yes						
2	3		Stock Groups & Stock ledger items create, alter delete options			3	Yes						

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M.S. Velanganni Name of the Department : Commerce

Class : Beam Computers Year : III Semester : V Paper : GSI with Tally

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	September	3	5			5	Yes							
			E11 Features and E12 Configuration features											
	4	3				3	Yes							
			Units of measures and GSI allocation rates of states											
	5	2				2	Yes							
			GSI vouchers in Tally & pre-defined vouchers.											
	October	1	3			3	Yes							
			Input tax credit on purchase vouchers.											
	2	3				3	Yes							
			2nd mid exams.											
	3	5				5	Yes							
			Output tax on Sales vouchers.											
	4	5				5	Yes							
			Purchases & Sales voucher Entry in Single rated GSI											
	5	4				4	Yes							
			GSI returns GSI R-1, 2, 3, 4, 9 & GSI R-3B.											
	November	1	4			4	Yes							
			Payment of GSI, e-filing of GSI returns, refund and penalties under GSI											

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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Velangooni Name of the Department : Commerce

Class : Beam General Year : 17 Semester : 17 Paper : Fire Insurance

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional / Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	October													
3		4	History, nature & function of fire insurance			4	Yes							
4		5	Causes, Prevention of loss, application of basic principles			5	Yes							
	December													
1		4	The Standard fire & Special peril policies			4	Yes							
2		3	Inclusions & conditions of special peril policies			3	Yes							
3		5	Reinstatement value policies.			5	Yes							
4		1	X-mas holidays. Miscellaneous hazards.			1	Yes							
5		2	Basis of profits Insurance Measures of Indemnities			2	Yes							
	January													
1		2	standing charges - adjustment clause.			2	Yes							
2		6	Advantages of Dual Basis - lay off compensation			6	Yes							
3		-	Pongal holidays.			-								
4		4	1st mid exam.			-								
5		3	claims procedure - Advance loss of profits covers policy.			3	Yes							

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

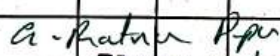
ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Velanganni

Name of the Department : Commerce

Class : Bcom General Year : II Semester : IV Paper : Fire Insurance

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	February												
	1	4	Basic principles - Types of Motor vehicles - Introduction			4	Yes						
	2	6	Motor policies - Standard form for liability only policy			6	Yes						
	3	4	Protection & removal costs Personal Accident clause			4	Yes						
	4	5	Liability claims - procedural proof of Negligence - General damage for property damage.			5	Yes						
	March												
	1		2nd mid exams.			-							
	2	5	Judgements of Criminal Court - Mediclaim form Motor Insurance - check list.			5	Yes						


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. Velanganni Name of the Department : Commerce

Class : Bcom Genl Comp Year : 1st Semester : 2nd Paper : Cost & Mgt Ac

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	January												
	3	4	Definition & function of Job costing - Economic Batch Quantity -			3	Yes						
	4	3	Preparation of Cost sheet - sum on Job Cost sheet and Batch Costing.			3	Yes						
	5	2	Financial Statement, Features & Limitations.			2	Yes						
	February												
	1	4	Limitations, Need & process of financial Statement Analysis			4	Yes						
	2	6	Comparative Analysis - sum			6	Yes						
	3	4	Common size statement - sum.			4	Yes						
	4	5	Trend Analysis - sum			5	Yes						
	March												
	1	5	2 nd mid exams. Marginal Costing - features, function, CVP, BEP analysis.			5	Yes						
	2	5	Margin of Safety - sum.			5	Yes						

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : V.Meena

Name of the Department : Commerce

Class : B.com (Gen) Year : III Semester : V Paper : Service marketing

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
01.	July I	2	Process of segmentation, targeting & positioning	material	Test	02	Yes	-	-	-	-	-	
	II	3	marketing mix	material	Test	03	Yes	-	-	-	-	-	
	III	4	Different Types of marketing	material	Test	04	Yes	-	-	-	-	-	
	IV	2	Reasons for the growth of service	material	Test	02	Yes	-	-	-	-	-	
	V	2	7 P's of service marketing	material	Test	02	Yes	-	-	-	-	-	
	Aug I	3	customer expectation	material	Test	02	Yes	-	Seminar	01	-	-	
	II	2	customer delight	material	Test	02	Yes	-	-	-	-	-	
	III	3	customer service costs	material	Test	03	Yes	-	-	-	-	-	
	IV	4	customer role in service delivery	material	Test	04	Yes	-	-	-	-	-	
	V	3	conflict with customers	material	Test	03	Yes	-	-	-	-	-	
	Sep I	2	customer retention	material	Test	01	Yes	-	Assignment	01	-	-	
	II	3	market segmentation	material	Test	03	Yes	-	-	-	-	-	
	III	2	Geographic & Demographic Segmentation	material	Test	02	Yes	-	-	-	-	-	
	IV	3	Strategies of market Segmentation	material	Test	03	Yes	-	-	-	-	-	
	V	2	Segmentation Process	material	Test	01	Yes	-	Seminar	01	-	-	
	Oct I	3	components of CRM	material	Test	02	Yes	-	Assignment	01	-	-	
	II	4	customer service standards & vision	material	Test	04	Yes	-	-	-	-	-	
	III	2	Queuing theory	material	Test	02	Yes	-	-	-	-	-	
	IV	4	Service leadership & its Principles	material	Test	04	Yes	-	-	-	-	-	
	V	3	Types of waiting line models	material	Test	03	Yes	-	-	-	-	-	
	Nov I	2	Types of new service development	material	Test	02	Yes	-	-	-	-	-	

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V.Meena


Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : V.Meena

Name of the Department : Commerce

Class : B.Com (CAB Gen) Year : II Semester : III Paper : Advanced Accounting

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
01	July		Features & Non-Profit Organization	material	Test	03	Yes	-	-	-	-	-		
	II	04	Preparation of Accounting Records	material	Test	03	Yes	-	Assignment	01	Yes	-		
	III	03	Income & Expenditure	material	Test	03	Yes	-	-	-	-	-		
	IV	03	Balance sheet	material	Test	02	Yes	-	Seminar	01	Yes	-		
	V	03	Single entry System	material	Test	03	Yes	-	-	-	-	-		
	Aug													
	I	05	Double entry System & Profit & Loss a/c	material	Test	05	Yes	-	-	-	-	-		
	II	03	Statement of Affairs	material	Test	03	Yes	-	-	-	-	-		
	III	02	Hire Purchase System	material	Test	02	Yes	-	-	-	-	-		
	IV	04	Installment Purchase & total cash Price	material	Test	03	Yes	-	Assignment	01	Yes	-		
	V	02	Sums in Hire Purchase System	material	Test	02	Yes	-	-	-	-	-		
	SEP													
	I	03	Partnership (Admission)	material	Test	03	Yes	-	-	-	-	-		
	II	03	Partnership (Retirement)	material	Test	03	Yes	-	-	-	-	-		
	III	03	Partnership (Death of a Partner)	material	Test	03	Yes	-	-	-	-	-		
IV	02	Partnership Deed	material	Test	02	Yes	-	-	-	-	-			
V	02	Dissolution of a Partnership firm	material	Test	02	Yes	-	-	-	-	-			
OCT														
I	03	Garner vs Murray	material	Test	03	Yes	-	-	-	-	-			
II	02	Insolvency of a Partnership	material	Test	02	Yes	-	-	-	-	-			
III	03	Sums in Problems (Dissolution)	material	Test	03	Yes	-	-	-	-	-			
IV	03	Sums in Problems (Hire Purchase System)	material	Test	03	Yes	-	-	-	-	-			
V	02	Sums in Problems (Income & Expenditure)	material	Test	02	Yes	-	-	-	-	-			
NOV														
I	03	Sums in Problems (Insolvency)	material	Test	03	Yes	-	-	-	-	-			


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : N. Heera

Name of the Department : Commerce

Class : B.com (CA&Gen)

Year : I Semester : I

Paper : Business organization & management

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
01	SEP III	03	Different forms of Business organization	material	Test	03	Yes	-	-	-	-	-	
	III	02	Ideal Partnership	material	Test	02	Yes	-	-	-	-	-	
	OCT II	03	Types of Partnership	material	Test	02	Yes	-	Seminars	01	-	-	
	III	02	Different kinds of companies	material	Test	02	Yes	-	-	-	-	-	
	IV	03	4 Ps model	material	Test	03	Yes	-	-	-	-	-	
	V	02	one person company	material	Test	02	Yes	-	-	-	-	-	
	NOV II	03	mergers & Acquisitions	material	Test	02	Yes	-	Assignment	01	Yes	-	
	III	04	Business Takeovers	material	Test	04	Yes	-	-	-	-	-	
	IV	03	Corporate social Responsibility	material	Test	03	Yes	-	-	-	-	-	
	V	02	Quality	material	Test	02	Yes	-	-	-	-	-	
	DEC I	03	Total Quality management	material	Test	03	Yes	-	-	-	-	-	
	II	02	Functions of management	material	Test	02	Yes	-	-	-	-	-	
	III	03	Decision-making	material	Test	02	Yes	-	Seminars	01	Yes	-	
	IV	02	SWOT Analysis	material	Test	02	Yes	-	-	-	-	-	
	V	03	delegation of Authority	material	Test	03	Yes	-	-	-	-	-	
	JAN I	02	Principles of effective delegation	material	Test	02	Yes	-	-	-	-	-	
	II	03	Decentralization	material	Test	03	Yes	-	-	-	-	-	
	III	03	Departmentation	material	Test	03	Yes	-	-	-	-	-	
	IV	02	motivation	material	Test	02	Yes	-	-	-	-	-	
	V	03	Maslow's need hierarchy	material	Test	03	Yes	-	-	-	-	-	
	FEB I	02	Mc. Gregor Theory "X"	material	Test	02	Yes	-	-	-	-	-	
	II	02	Mc. Gregor theory "Y"	material	Test	02	Yes	-	-	-	-	-	
	III	03	Leadership	material	Test	03	Yes	-	-	-	-	-	
	IV	02	Traits theory of leadership	material	Test	02	Yes	-	-	-	-	-	
	V	02	Situational Leadership.	material	Test	02	Yes	-	-	-	-	-	

A. Bhatia
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N. Heera

Y.A.Government College(W), Chirala
Department of Computer Science, Annual Curricular Plan 2025-26, II BSc, III Sem

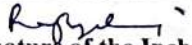
Name of the Teacher: N.Rajyalakshmi

Title of the Paper: Data Structures using C

Sl No	Month & Week	Hours Available	Syllabus & Topic	Addl. Input/Value Addition 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
1	July 1st week	5	UNIT.I: Basic Concepts: Pointers and Dynamic memory allocation, Algorithm definition: and characteristics, Algorithm Analysis, Space complexity, Time complexity, Asymptotic Notations.		theory, Practical	4	Yes		Assignment on Algorithms and programmes	1	Yes	
2	July 2nd week	5	Introduction to Data Structures: Definition, Types of Data structures, Abstract DataTypes, DataTypes, Difference between abstract data Types, Data TyPes, and Data structures.		theory, Practical	5	Yes					
3	July 3rd week	5	Arrays: Concept of Arrays, Single dimensional array, Two dimensional array, Operations on arrays with algorithms(Searching, Traversing, Insertion, deletion)		theory, Practical	5	Yes					
4	July 4th week	5	UNIT - II: LinkedLists: Concept of LinkedLists, Representation of linked list in memory, Comparision between linked list and array, Types of linked lists		theory, Practical	5	Yes		Seminars	1	Yes	
5	Aug 1st week	5	Single Linked list, Doubly Linked List, Circularly Single Linked list, Circularly Doubly Linked List		theory, Practical	4	Yes					
6	Aug 2nd week	5	Implementation of Linked List ADT: Creating a list, Traversing a Linked List, Searching Linkedlist, Insertion and deletion into linked list, (At first node, Specified position, Last node), Applications of linked list.		theory, Practical	5	Yes					

7	Aug 3rd week	5	UNIT III : Stacks:Introduction to stacks ADT, Representation of stacks through Array and Linked List', Implementation of stacks, Applications of Stacks	theory, Practical	5	Yes				
8	Aug 4th week	5	Polish Notations-Converting Infix to Post fix Notation-Evaluation of Postfix Notation - Towers of hanoi- Recursion: Concept and comparision between recursion and Iteration.	theory, Practical	5	Yes		Role Play Quiz	1	Yes
9	Sep 1st week	5	Queues: Introduction, Queue as an Abstract data Type, Representation of Queues using array and linked list, Implementation of Queues, Appctication of Queues, Types of Queues, circutar Queues, Deques, Priority queues.	theory, Practical	4	Yes				
10	Sep 2nd week	5	UNIT 4: Seacrhing: An Introduction, Linear or Sequential , Binary search' Indexed Sequential search	theory, Practical	5	Yes		Problem solving	1	Yes
11	Sep 3rd week	5	Sorting: Selection sort, BubbteSort, InsertionSort, ,	theory, Practical	5	Yes				
12	Sep 4th Week	5	Quick sort, Merge Sort	theory, Practical	4	Yes				
13	Oct 1st week	5	Unit-5: BinaryTrees: Concept of Non-Linear Data Structures, Introduction Binary Trees, Types of trees, Basic Definitions of Binary Trees, properties of binary trees, Representations of Binary Trees,	theory, Practical	5	Yes		Seminar s Exam	1	Yes
14	Oct 3rd week	5	Operations on a Binary Search Tree, Binary Tree Traversal, , Applications of Binary Trees	theory, Practical	4	Yes				
15	Oct 4th week	5	Graphs:Introduction to Graphs, Terms Associated with Graphs, sequential Representation of Graphs, 'Linked Representation of Graphs, traversal of Graphs, Applications of Graphs	theory, Practical	5	Yes				


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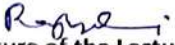

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Y.A.Government College(W), Chirala
Department of Computer Science, Annual Curricular Plan 2025-26

Name of the Teacher: N.Rajyalakshmi Group: II BSc Sem: III Title of the Paper: OOPs Using Java

Sl No	Month & Week	Hours Available	Syllabus & Topic	Addl. Input/Value Addition 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	
1	July 1st week	5	UNIT-I: OOPs Concepts and Java Programming: Introduction to Object Oriented Concepts, procedural and object oriented paradigm, An Overview of Java Java Environment, Data Types, Variables,		theory, Practical	5				Quiz Assignment	1	Yes	
2	July 2nd week	5	Variables, constants, scope and lifetime of variables, operators, Type conversion and casting, Accepting input from the keyboard, Reading input with Java.util. Scanner Class,		theory, Practical	5	Yes						
3	July 3rd week	5	Displaying output with System.out.printf(), Displaying formatted output with String.format(), Control statements.		theory, Practical	4							
4	July 4th week	5	Unit-II Arrays, Command Line arguments, Strings String class Methods Classes and Objects: creating classes, declaring objects, methods, parameter passing, static fields and methods, constructors and this keyword, overloading methods and access.		theory, Practical	5			Quiz, Q&A Assignment	1	Yes		
5	Aug 1st week	5	Inheritance: Inheritance heirarchies, super and sub classes, member access rules, super keyword, preventing inheritance: final classes and methods, the object class and its methods		theory, Practical	5	Yes						
6	Aug 2nd week	5	Polymorphism: Dynamic binding, method overriding, abstract classes and methods		theory, Practical	4							

7	Aug 3rd week	5	UNIT-III Interfaces: Interfaces vs abstract classes, defining an interface, implement interfaces, accessing implementations through interface references, extending interface.,		theory, Practical	5							
8	Aug 4th week	5	Packages: defining, creating and accessing a package, understanding CLASSPATH, importing packages., Exception HANDling: Benefits of exception handling, Classification of Exceptions, exception hierarchy, checked exceptions and unchecked exceptions,		theory, Practical	5	Yes		Problem solving Hands on- Lab Activity	1	Yes		
9	Sep 1st week	5	usage of try, catch, throw, throws, and finally, rethrowing exceptions, exception specification, builtin exceptions Errors in Java Program, Exception throws clause, throw clause, Types of Exceptions, Re- throwing an Exception.		theory, Practical	4							
10	Sep 2nd week	5	UNIT-IV: Multithreading: Differences between multiple processes and multiple threads, thread states, thread life cycle, creating threads, .		theory, Practical	5							
11	Sep 3rd week	5	interrupting threads, thread priorities, synchronizing threads, inter thread communication		theory, Practical	5	Yes		Seminar, Assignment	1	Yes		
12	Sep 4th Week	5	Stream based I/O (java.io) – The Stream classes-Byte streams and Character streams, Reading console Input and Writing Console Output, File class, Reading and writing Files, The Console class, Serialization		theory, Practical	4							
13	Oct 1st week	5	UNIT-V: GUI Programming with Swing- Introduction, MVC architecture, components, containers.		theory, Practical	5							
14	Oct 3rd week	5	Understanding Layout Managers - Flow Layout, Border Layout, Grid Layout, Card Layout, GridBag Layout.		theory, Practical	5	Yes		Problems to practice on GUI Design	1	Yes		
15	Oct 4th week	5	Event Handling- The Delegation event model- Events, Event sources, Event Listeners, Event classes, Handling mouse and keyboard events, Adapter classes, Inner classes, Anonymous Inner classes.		theory, Practical	4							


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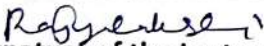
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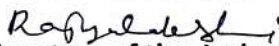
Department of Computer Science, Annual Curricular Plan 2025-26


Name of the Teacher: N.Rajyalakshmi Group:B.Sc Sem: IV Title of the Paper: Object Oriented Software Engineering

Sl No	Month & Week	Hours Available	Syllabus & Topic	Addl.Inp ut/Value Addition taught	Curricular Activity				Co Curricular Activity				
					Activity Conduct ed	Hou rs Allo tted	Whe ther Conduc ted	If not alter nate date	Activity Conduc ted	Hours Allott ed	Whe ther Conduc ted	If not alter nate date	
1	Nov 3rd Week	5	UNIT 1: Introduction to Object-Oriented Programming: Overview of software engineering, Introduction to Object-Oriented Programming (OOP) concepts (classes, objects),		theory, Practical	4	Yes		Seminar on OOP Principles				
2	Nov 4th Week	5	inheritance, polymorphism, Unified Modelling Language (UML) basics		theory, Practical	4	Yes						
3	Dec 1st week	5	Introduction to software development process and software development life cycle (SDLC).		theory, Practical	4	Yes			1	Yes		
4	Dec 2nd week	5	UNIT 2: Requirements Analysis and Design: Requirements analysis and specification,		theory, Practical	4	Yes		Use case diagrams Present ation	1	Yes		
5	Dec 3rd week	5	Use cases and scenarios, Object-oriented analysis and design (OOAD), Design patterns		theory, Practical	4	Yes						
6	Dec 4th week	5	UML modelling techniques (class diagrams, sequence diagrams, state machine diagrams, activity diagrams)		theory, Practical	4	Yes						
7	Jan 1st week	5	UNIT 3: Software Construction and Testing: Software construction basics,	Foreign key	theory, Practical	4	Yes						

8	Jan 2nd week	5	Object-oriented design principles, Object-oriented programming languages (Java, C++, Python),	theory, Practical	4	Yes		Assignment on Software Testing	1	Yes	
9	Jan 4th week	5	Software testing basics (unit testing, integration testing, system testing), Test-driven development (TDD).	theory, Practical	4	Yes					
10	Feb 1st week	5	UNIT 4: Software Maintenance and Evolution: Software maintenance basics, refactoring techniques Software version control, Code review and inspection,	theory, Practical	4	Yes		Assignment on Software Maintenance	1	Yes	
11	Feb 2nd week	5		theory, Practical	4	Yes					
12	Feb 3rd Week	5	Software evolution and reengineering	theory, Practical	4	Yes			1	Yes	
13	Feb 4th week	5	UNIT - V Advanced Topics in Object-Oriented Software Engineering: Model-driven engineering (MDE), Component-based software engineering (CBSE), Service- oriented architecture	theory, Practical	4	Yes		Seminar on Design Patterns	1	Yes	
14	Mar 1st week	5		theory, Practical	4	Yes					
15	Mar 2nd week	5	Agile software development and Scrum methodologies.	theory, Practical	4	Yes					


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Y.A.Goverment College(W), Chirala

Department of Computer Science, Annual Curricular Plan 2025-26

Name of the Teacher: N.Rajyalakshmi **Group:**B.Sc **Sem:** IV **Title of the Paper:** Database Management System

Sl No	Month & Week	Hours Available	Syllabus & Topic	Addl. Input/Value Addition taught	Curricular Activity				Co Curricular Activity				
					Activity Conducted	Hours Allotted	Whether Conducted	If not alter nate date	Activity Conducted	Hours Allotted	Whether Conducted	If not alter nate date	
1	Nov 3rd Week	5	UNIT 1: Overview of Data base Management System: Introduction to data, information, database, database management systems, file-based system, Drawbacks of file-Based System, database approach,		theory, Practical	4	Yes		Seminar on Data base Management System				
2	Nov 4th Week	5	Classification of Database Management Systems, advantages of database approach, Various Data Models,		theory, Practical	4	Yes						
3	Dec 1st week	5	Components of Database Management System, three schema architecture of data base, costs and risks of database approach.		theory, Practical	4	Yes			1	Yes		
4	Dec 2nd week	5	UNIT 2: Entity-Relationship Model: Introduction, the building blocks of an entity relationship diagram, classification of entity sets, attribute classification,		theory, Practical	4	Yes		Case study on ER Model	1	Yes		
5	Dec 3rd week	5	relationship degree, relationship classification, reducing ER diagram to tables, enhanced entity-relationship model (EER model), generalization and specialization,		theory, Practical	4	Yes						

6	Dec 4th week	5	IS A relationship and attribute inheritance, multiple inheritance, constraints on specialization and generalization, advantages of ER modeling.		theory, Practical	4	Yes					
7	Jan 1st week	5	UNIT 3: Relational Model: Introduction, CODD Rules, relational data model, concept of key, relational integrity, relational algebra,	Foreign key	theory, Practical	4	Yes					
8	Jan 2nd week	5	relational algebra operations, advantages of relational algebra, limitations of relational algebra, relational calculus, tuple relational		theory, Practical	4	Yes					
9	Jan 4th week	5	domain relational Calculus (DRC), Functional dependencies and normal forms upto 3rd normal form.		theory, Practical	4	Yes		Exercise on Normalization	1	Yes	
10	Feb 1st week	5	UNIT 4: Structured Query Language: Introduction, Commands in SQL, Data Types in SQL,		theory, Practical	4	Yes					
11	Feb 2nd week	5	Data Definition Language, Selection Operation, Projection Operation, Aggregate functions.		theory, Practical	4	Yes					
12	Feb 3rd Week	5	Data Manipulation Language, Table Modification Commands, Join Operation, Set Operations, View, Sub Query.		theory, Practical	4	Yes		SQL query writing	1	Yes	
13	Feb 4th week	5	UNIT - V PL/SQL: Introduction, Shortcomings of SQL, Structure of PL/SQL, PL/SQL Language Elements, Data Types,		theory, Practical	4	Yes					
14	Mar 1st week	5	Operators Precedence, Control Structure, Steps to Create a PL/SQL, Program,		theory, Practical	4	Yes					
15	Mar 2nd	5	Iterative Control, Procedure, Function, Database Triggers, Types of Triggers.		theory, Practical	4	Yes		Writing PL/SQL code	1	Yes	

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : T. Bala Tripura Sundari Name of the Department : Computer Science

Technology
Web Interface Design

Class : B.Sc Year : IIIrd Semester : Vth Paper : web Interface Design

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	
01	July week 1	02 +2	Introduction to web designing, difference b/w web application and desktop application, Introduction to HTML	study material &	Theory / practical	4	yes						
	July week 2	03 +2	HTML structure, elements, attributes headings, paragraphs	study material	Th/pr	5	yes						
	July week 3	03 2	Images, tables, lists, blocks, symbols	study material	Th/pr	5	yes						
	July week 4	03 2	embedding multimedia components in HTML, HTML forms.	study material	Th/pr	5	yes	JAM	01	yes			
	Aug week 1	02 2	CSS Home, Introduction on, syntax, CSS combinators, colors, background, borders	study material	Th/pr	4	yes						
	Aug week 2	02 2	margins, padding, height/width, text, fonts, tables, list position, overflow, float, pseudo class, pseudo elements, opacity, tooltips, Image gallery	study material	Th/pr	4	yes	student seminar	01	yes			
	Aug week 3	02 2	CSS Forms, CSS Counter, what is DHTML, Java Script	study material	Th/pr	4	yes						
	Aug week 4	02 2	Basics, variables, operators, statements, string manipulations, mathematical functions	study material	Th/pr	4	yes	student seminar	01	yes			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : T. Kala Tripura Sundari

Name of the Department : Computer Science

Technology

Class : B.Sc

Year : IIIrd

Semester : 5th

Paper : web Interface Designing

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	sep week 1	3+2	client side scripting : Accessing HTML form elements using java script object model	study material	Th/pr	5	yes			Assignment	01	yes	
	sep week 2	3+2	basic data validation, data format validation, generating responsive messages	study material	Th/pr	5	yes						
	sep week 3	3+2	opening windows using java script different kinds of dialog boxes.	study material	Th/pr	5	yes						
	sep week 4	3+2	accessing status bar using java script, embedding basic animate features using different keyboard & mouse events.	study material	Th/pr	5	yes			student seminar	01	yes	
	oct week 1	3+2	wordpress: Introduction to word press, features, and advantages, Installing & Configuring word press	study material	Th/pr	5	yes						
	oct week 2	3+2	understanding its admin panel, working with posts, managing pages, working with media	study material	Th/pr	5	yes						
	oct week 3	3+2	Adding, editing, deleting media elements.	study material	Th/pr	5	yes			Test	01	yes	

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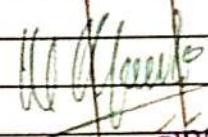
ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: T. Bala Tripura Sundari Name of the Department: Computer Science

Class: B.Sc Year: IVth Semester: Vth Paper: Web Interface Designing Technologies

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	oct week 5	8+2	working with widgets, studying menus, working with themes, defining a user, roles & profiles, adding external links, extending wordpress with plug-ins			yes		AMISg nmeTs	01				

Rajyashree


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: T. Bala Tripura Suresh Name of the Department: Computer Science

Class: B.Sc

Year: IIIrd Semester: Vth

ment using PHP & MySQL
Paper: web Applications develop

S.No	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1.	July week 1	3+2 5	The building blocks of PHP: variables, data types, operators & expressions, constants, flow control functions in PHP. Switching flow, loops, code blocks & Browser output.	study material	Th/pr	5	yes						
2.	July week 2	3+2 5	working with functions: creating functions, calling functions. Returning the values from user-	study material	Th/pr	4	yes	ASSIGNMENTS	01	yes			
3.	July week 3	3+2 5	defined functions: variable scope, saving state between function calls with the static statements, argument of functions.	study material	Th/pr	5	yes						
4.	July week 4	3+2 =4	working with arrays: creating arrays, some array-related functions.	study material	Th/pr	5	yes						
5.	July/Aug week 1	2	working with forms: creating forms, Accessing form input with user defined arrays. Combining	study material	Th/pr	2	yes						
6.	Aug week 2	3+2	HTML & PHP code on a single page, using hidden fields to save data. Redirecting the user, sending mail on form submission, and	study material	Th/pr	4	yes	Test	01	yes			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: T. Bala Tripura Sundari Name of the Department: Computer Science

Class: B.Sc Year: IVth Semester: 5th ment using PHP & MySQL
Paper: web application develop

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
7.	Aug week 5	3+2	working with file uploads, managing files on server, exceptional handling.	study mathi	Th/pr	4	yes			stud cut				
			working with cookies and user session: Introducing cookies, setting a cookie with PHP, session function overview, starting a session, working with session variables, parsing session ids on the query string,	study mathi	Th/pr	4	yes			seminars	01	yes		
8.	Aug week 6	3+2	destroying sessions & unsetting variables, using session in an environment with Registered users.	study mathi	Th/pr	3	yes			AMISG nments	01	yes		
9.	Aug week 7	3+2	Unit-V. Interacting with MySQL using PHP: MySQL versus MySQLi functions, connecting to MySQL with PHP, working with MySQL data planning &	study mathi	Th/pr	5	yes							
	sep week 1	3+2	creating database tables, creating menu recording Addition mechanism, viewing Records, creating the Record relation mechanism.	study mathi	Th/pr	4	yes			student seminars	01	yes		
	sep week 2	3+2		study mathi	Th/pr	4	yes							
	sep week 3	3+2		study mathi	Th/pr	5	yes							
	sep week 4	3+2		study mathi	Th/pr	4	yes			Test	01	yes		

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : T. Bala Tripura Sundari Name of the Department : Computer Science

Class : <u>B.Sc</u>			Year : <u>IIIrd</u> Semester : <u>Vth</u>		Paper : <u>Computer organization</u>								
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1.	July week 1	3+2	Register transfer language and micro operations: Introduction of functional units,	study material	Th/pr	5	Yes						
2.	July week 2	3+2	Computer registers, register transfer language, register transfer bus and	study material	Th/pr	4	Yes	JAH	1	Yes			
3.	July week 3	3+2	memory transfers, arithmetic, logic and shift - micro - operations of arithmetic logic shift unit.	Study material	Th/pr	5	Yes						
4.	July week 4	3+2	Basic Computer organization and design: Instruction codes, Instruction Cycle,	Study material	Th/pr	4	Yes	Assignment	01	Yes			
	Aug week 1	3+2	Register reference instructions, memory reference instructions Input-output and interrupt.	Study material	Th/pr	5	Yes						
	Aug week 2	3+2	cpu and micro programmed control: cpu: instruction formats, addressing modes,	Study material	Th/pr	4	Yes	Test	01	Yes			
	Aug week 3	3+2	Control memory, address sequencing design of control unit - hard wired control, Micro programmed control.	Study material	Th/pr	5	Yes						
	Aug week 4	3+2	Memory organization: memory hierarchy, main memory, Auxiliary memory, associative	Study material	Th/pr	4	Yes	student seminar	01	Yes			

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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: T. Bala Tripura Sundari Name of the Department: Computer Science

Class: B.Sc Year: IInd Semester: IIIrd Paper: Computer Organization

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
9.	sep week I	3+2	Memory, cache memory & mappings. Input-output organization: peripheral	Study material	Th/pr	4	yes		Test	1	yes		
	sep week II	3+2	devices, Input-output interfaces, asynchronous data transfer, modes of transfer - programmed I/O, priority interrupt, direct memory access, Input-output processor (IOP)	Study material	Th/pr	5	yes						
	sep week III	3+2	Computer Arithmetic & parallel processing	Study material	Th/pr	4	yes	ASSIGNMENTS	1	yes			
	sep week IV	3+2	data representation - fixed point, floating point, addition & subtraction, multiplication & division algorithms.	Study material	Th/pr	5	yes						
	oct week I	3+2	parallel processing - parallel-pipelining arithmetic pipeline, Instruction pipeline.	Study material	Th/pr	4	yes	student seminars	01	yes			

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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: T. Bala Suresh Kumar Name of the Department: Computer Science

Class: B.Sc Year: 2nd Semester: Vth Paper: Computer Network & Data Communication

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
1.	NOV 4th	5	Network application new hardware, new software, reference models: OSI, TCP/IP	study material	Th/pr	5	yes						
2.	NOV 5th	4	Internet, connection oriented network x.25 frame relay the physical layer	study material	Th/pr	3	yes	Assignment	01				
3.	Dec 1st	5	Theoretical basis for communication guided transmission multiplexing	study material	Th/pr	5	yes						
4.	Dec 2nd	4	wireless transmission the public switched telephone networks mobile telephone system the data link layer: design issues error detection & correction elementary data link protocols, sliding window protocols	study material	Th/pr	3	yes	Test	01				
5.	Dec 3rd	5	example data link protocols - HDLC, the data link layer	study material	Th/pr	05	yes						
6.	Dec 4th	2	the medium access sub layer: channel allocation problem	study material	Th/pr	02	yes						
07.	Dec 5th	5	multiple access protocols, ethernet, data link layer switching	study material	Th/pr	04	yes	seminar	01				
08.	Jan 1st	2	wireless LAN, Broad band windows.	study material	Th/pr	02	yes						
3.	Jan 2nd	2	The network layer. network layer design	study material	Th/pr	02	yes						

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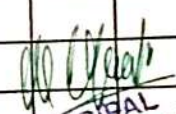
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Name of the Lecturer: T. Bala Tejapada Sundari Name of the Department: Computer Science

Class: B.CC Year: 2nd Semester: 1st Paper: Computer Networks. Data Communication 4

S.No	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
	Jan 17th	03	issues, routing algorithms, congestion control algorithm, Tutorial	study material	Th/pr	03	yes						
	Feb 1st	5	net working, the new layer in the Internet quality of services.	study material	Th/pr	04	yes	seminars	01	yes			
	Feb 2nd	5	The transport layer: Transport services, elements of transport	study material	Th/pr	05	yes						
	Feb 3rd	5	protocol, simple transport, protocol internet transport layer protocols:	study material	Th/pr	05	yes						
	Feb 14th	5	UDP & TCP. The application layer: domain name system, electronic mail.	study material	Th/pr	04	yes	Assignment	01	yes			
	Mar 1st	5	World wide web: architectural overview, dynamic web document and http. Application layer:	study material	Th/pr	05	yes						
	Mar 2nd	5	protocols: simple network management protocol, file transfer protocols, simple mail transfer protocol, Telnet.	study material	Th/pr	04	yes	seminars	01	yes			
	T.B.T.												

Ref: _____


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : T. Bala Tripura Sundari

Name of the Department : Computer Science

Class : <u>B.Sc</u>		Year : <u>2nd</u> Semester : <u>1st</u>		Paper : <u>Database Management Systems</u>										
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
1.	NOV week 1	04	Introduction file-based system, drawbacks of file-based system,	study material	Th/pr	04	yes							
2.	NOV weeks	05	Data & information, Database, Database management system, objectives of DBMS, evaluation of DBMS, classification of DBMS, advantages of DBMS. Components & interfaces of DBMS.	study material	Th/pr	04	yes	seminar	01	yes				
3.	Dec 1 st	05	Building blocks of entity relationship diagram, classification of entity sets, attribute classification, relationship degree, relationship classification	study material	Th/pr	05	yes							
4.	Dec 2 nd	04	reducing ER diagram to table enhanced entity-relationship model. generalization & specialization	study material	Th/pr	04	yes							
3.	Dec 3 rd	05	constraint on specialization and generalization.	study material	Th/pr	04	yes	Test	01	yes				
4.	Dec 4 th	2	odd rules, Relational datamodel, concept of key, relational	study material	Th/pr	02	yes							
5.	Dec 5 th	3	Indigity, relational algebra, relational calculus,	study material	Th/pr	03	yes							
6.	Jan 1 st	2	History of SQL standard, commands in SQL	study material	Th/pr	03	yes							
7.	Jan 2 nd	3	data types in SQL	study material	Th/pr	03	yes	Assignment	01	yes				
8.	Jan 1 st	4	DDL, DML	study material	Th/pr	03	yes							

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

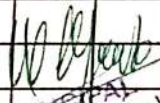
Name of the Lecturer: T. Bala Rajeswari Sundar Name of the Department: Computer Science

Class: B.Sc Year: 2nd Semester: IVth Paper: Data Base Management Systems

S.No	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	Feb 1st	5	selection operation, projection operation, Aggregate function	study material	-th/pr	04	yes		Test	01	yes		
	Feb 2nd	4	set operation, clustering in SQL	study material	Th/pr	04	yes						
	Feb 3rd	05	structure of PL/SQL, PL/SQL language	study material	Th/pr	04	yes	send mail	01	yes			
	Feb 4th	04	elements, data types, operators precedence	study material	Th/pr	04	yes						
	Apr 1st	05	control structures, iterative control, cursors, procedure, function, packages	study material	Th/pr	04	yes	AM'sg mail	01	yes			
	May 2nd	05	exception handling, data base triggers, types of triggers	study material	Th/pr	04	yes	send mail	01	yes			

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Rajeswari


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: T. Bala Raju Name of the Department: Computer Science

Class: B.Sc Year: 1 Semester: 2nd Paper: Digital logic design

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1.	Feb week 1st	05	Number systems, Binary, octal, decimal, hexa decimal, number	study material	Th/pr	05	yes						
2.	Feb week 2	04	system, conversions of numbers from one radix to another radix r's (r-1)'s.	study material	Th/pr	03	yes	Test	01	yes			
3.	Feb week 3	05	signed binary numbers, addition & subtraction of unsigned and signed weighted & unweighted codes.	study material	Th/pr	05	yes						
4.	Feb week 4	05	NOT, AND, OR, universal	study material	Th/pr	05	yes						
			gates, x-NOR, ex-NOR gates, boolean laws & theorems, two level	study material	Th/pr	05	yes						
5.	Mar week 1	04	realization of logic gates functions using universal gates, minimization of logic	study material	Th/pr	03	yes	seminar	01	yes			
6.	Mar week 2	05	functions (pos & sop) using boolean theorems, K-map, don't care condition	study material	Th/pr	04	yes	Assignment	01	yes			
7.	Mar week 3	03	Design of half adder, full adder, half subtractor, full subtractor, ripple adder & subtractor.	study material	Th/pr	03	yes						
8.	Mar week 4	03	Design of decoders, encoders, priority encoder, Multiplexers, demultiplexers, higher order decoders, demultiplexers	study material	Th/pr	04	yes						

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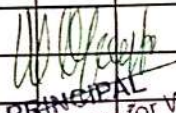
ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: T. Bala Tejapura Sreedasi Name of the Department: Computer Science

Class: <u>B.Sc.</u>			Year: <u>1</u> Semester: <u>2nd</u>		Paper: <u>Digital logic design</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	<u>march weeks</u>	<u>2</u>	<u>boolean functioning decoders, multi plexer</u>	<u>study material</u>	<u>tu/pr</u>	<u>02</u>								
	<u>Apr week 1</u>	<u>04</u>	<u>classification of sequential circuits, latch & flip-flops, Rs-</u>	<u>study material</u>	<u>tu/pr</u>	<u>03</u>			<u>Semi work</u>	<u>01</u>	<u>yes</u>			
	<u>APR week 2</u>	<u>05</u>	<u>latch using NAND & NOR gates, RS, JK, T & D-flip-flops, truth</u>	<u>study material</u>	<u>tu/pr</u>	<u>05</u>								
	<u>Apr week 3</u>	<u>04</u>	<u>tables & the action tables, conversions of flip-flops, flip-flops</u>	<u>study material</u>	<u>tu/pr</u>	<u>04</u>			<u>Test</u>	<u>01</u>	<u>yes</u>			
	<u>APR week 4</u>	<u>05</u>	<u>with asynchronous inputs, Registers - shift registers, bidirectional</u>	<u>study material</u>	<u>tu/pr</u>	<u>04</u>			<u>Assignments</u>	<u>01</u>	<u>yes</u>			
	<u>Apr week 5</u>	<u>05</u>	<u>shift registers universal shift register, design of ripple counter, modulus counters</u>	<u>study material</u>	<u>tu/pr</u>	<u>04</u>			<u>Test</u>	<u>01</u>	<u>yes</u>			

T.B.T.

Rafyela


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 - 2026

Name of the Lecturer : SK.KAREEM

Name of the Department : Computer Science

Class : B.Com(CCA) Year : II Semester : III Paper : E-Commerce & Web Designing

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
01	July & 1week	02	Basics & Definition, e-commerce with e-c model, Additional Terms	Study material	Theory	02	Yes						
02	July & 2week	03	Business models Related TO e-commerce, Advantages & Disadvantages, web 2.0	Study material	Theory	03	Yes						
03	July & 3week	03	Technical & Economic challenges, Factors works & Architecture, Actors & Stakeholders	Study material	Theory	03	Yes	JAM	01	Yes			
04	July & 4week	03	Fundamentals sales Process & His 7+1 Process steps works, Technological elements, Typical Applications	Study material	Theory	03	Yes	Student Seminar	01	Yes			
05	July & 5week	02	B2C Business, B2C Basics	Study material	Theory	01	Yes	Test/Quiz	01	Yes			
06	Aug & week-I	01	B2C- Business and CRM	Study material	Theory	01	Yes						
07	Aug & week-II	02	B2C Software systems, Customer Relationship management	Study material	Theory	02	Yes	Assignment	01	Yes			
08	Aug & week-III	02	B2B Business, B2B basics, Difference between B2B & B2C	Study material	Theory	02	Yes						
09	Aug & week-IV	03	Supply chain Management	Study material	Theory	01	Yes	Test/Quiz Assignment	01	Yes	01	Yes	
10	Aug & week-V	02	Security & Compliance management, Foundation of risk management	Study material	Theory	02	Yes						
11	Sep & week-I	02	Information Security management & Technology	Study material	Theory	01	Yes	Student Seminar	01	Yes			
102	Sep & week-II	03	Electronic payment, Business & money, the payment challenge	Study material	Theory	02	Yes	Assignment	01	Yes			
13	Sep & week-III	0.3	Payment Procedures, Receivable management, Cyber money	Study material	Theory	02	Yes	GD	01	Yes			
14	Sep & week-IV	03	Introduction to web programming, creating a website	Study material	Theory	02	Yes	Test/Quiz	01	Yes			
15	Oct & week-II	03	HTML tags, HTML elements, HTML attributes, CSS preview, History of HTML, Difference b/w HTML & New HTML, how-to check your HTML code	Study material	Theory	02	Yes	Student Seminar	01	Yes			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : SHAIK KAREEM

Name of the Department : Computer Science

Class : B. Com (CA)

Year : II

Semester : III

Paper : E-commerce & Web Designing

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
16	Oct 6 th week-III	03	HTML coding conventions, comments, HTML elements, should describe web page content accurately, content model categories, Block elements, block quote elements, white space collapsing pre element, Phrasing elements, material editing elements, q & cite elements, dfn, abbr & time elements, code-related elements, br & wbr elements											
				study	Theory	03	Yes		Assignment	01	Yes			
17	Oct 6 th week-IV	02	Sup, sub, s, mark, small elements, strong, em, b, i elements, span elements, character references, web page with character references & phrasing elements											
				study						01	Yes			
			CSS overview, CSS rules, example with type selectors & the Universal selector, CSS syntax & style, class selectors, ID selectors	material	Theory	02	Yes		Test/ Quiz	01	Yes			
18	Oct 6 th week-V	02	span & div elements, cascading style attribute, style containers, external CSS files, CSS Properties color properties, RGB values for color, Opacity values for color, HSL & HSLA values for color, Font Properties, line-height property, Text Properties, Border Properties, element box, padding property, margin property											
				study	Theory	01	Yes		Test/ Assignment	01	Yes			

Shaiq Kareem
Signature of the In-charge

Sh. Kareem
Signature of the lecturer



Sh. Kareem
Signature of the Principal
Principal
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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : SHAIK KAREEM

Name of the Department : Computer Science

Class : <u>B.Com (CA)</u>			Year : <u>II</u> Semester : <u>II</u>		Paper : <u>Digital marketing</u>									
S.No	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date		
01	July & week-I	05	Introduction to Digital marketing, Traditional Vs Digital marketing, Technology behind Digital marketing	Study material	Theory	03	YES							
			Experiments I	lab manual	Practical	02	YES							
02	July & week-II	04	Characteristics of Digital marketing, DM strategy, Understanding Digital consumer	Study material	Theory	02	YES							
			Experiment - II	lab manual	Practical	02	YES							
03	July & week-III	05	Introduction to Online Advertising, Objective, where to advertise	Study material	Theory	02	YES	Test/ Quiz	01	YES				
			Experiment - III	lab manual	Practical	02	YES							
04	July & week-IV	05	Online Ad Format, Search Engine Ad	Study material	Theory	02	YES	Assignment	01	YES				
			Experiment - IV	lab manual	Practical	02	YES							
05	July & week-V	04	Network Advertising, Affiliate Programs, Landing Pages	Study material	Theory	02	YES							
			Experiment - V	lab manual	Practical	02	YES							
06	Aug & week-I	01	Introduction to Email marketing	Study material	Theory	01	YES							
07	Aug & week-2	04	Experiment - VI, Types of Emails, email marketing Campaign Process	lab manual	Practical	01	YES	Test/ Quiz	01	YES				
				Study material	Theory	01	YES	Assignment	01	YES				
08	Aug & week-3	04	Email marketing Tools, Advantages & disadvantages, Opt-in Email Advertising	Study material	Theory	02	YES							
			Experiment - VII	lab manual	Practical	01	YES	JAM	01	YES				
09	Aug & week-IV	05	E-mail tracking, what is social media marketing	Study material	Theory	02	YES	Test/ Quiz	01	YES				
			Experiment - VIII	lab manual	Practical	02	YES	Student Seminar	01	YES				
10	Aug & week-V	05	Seven myths of SMM, Characteristics of successful Social media marketing	Study material	Theory	03	YES							
			Experiment - IX	lab manual	Practical	01	YES	GID	01	YES				
11	SEP Aug & week-I	05	Social media marketing Plan, Social media marketing Tools, Publishing blogs	Study material	Theory	03	YES							

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ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : SHAIK. KAREEM

Name of the Department : Computer Science

Class : B. Com (CA)

Year : II

Semester : II

Paper : Digital Marketing

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
11	Sep 6 week-I		Experiment - X	lab manual	Practical	01	YES			Assignment	01	YES	
12	Sep 6 week-II	04	Podcast & webinars, Social media monitoring, Social media: Facebook, Twitter	Study material	Theory	02	YES						
			Experiment - I & II	lab manual	Practical	01	YES			Test/Quiz	01	YES	
13	Sep 6 week-III	05	Introduction to SEO, Understanding SEO	Study material	Theory	02	YES			Assignment	01	YES	
14	Sep 6 week-IV	05	Experiments - III & IV Search Engine Optimization Process.	lab manual	Practical		YES			Student Seminar	01	YES	
			Experiments - V & VI	lab manual	Practical	02	YES						
15	Oct 6 week-I	04	SEO-Goals, On-page optimization & experiment VII & VIII	Study material	Theory	02	YES			Assignment	01	YES	
16	Oct 6 week-II	05	Off-page optimization & its Analyse	Study material	Theory	02	YES						
			Experiment - IX & X	lab manual	Practical	01	YES			Student Seminar	01	YES	
17	Oct 6 week-IV	05	search engine Result Process (SERP)	Study material	Theory	02	YES			JAM	01	YES	
			Experiments - I to V	lab manual	Practical	02	YES						
18	Oct 6 week-V	04	SEO Tools	Study material	Theory	01	YES			Test/Quiz	01	YES	
			Experiments - VI & X	lab manual	Practical	02	YES						

Rejothulath
Signature of IT charge

SK. Hanuman
Signature of lecturer



[Signature]
Signature of the Principal

Principal
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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : SHAIK. KAREEM

Name of the Department : COMPUTER SCIENCE

Class : B.A & B.Com (Gen & CA) Year : II Semester : III Paper : Information & Communication Technology

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, allorriate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, allorriate date	
01	July & week-I	02	What is Internet?, Internet applications, Internet addressing	Study material	Theory	02	YES						
02	July & week-II	01	Entering a web site address, URL- Components of URL	Study material	Theory	01	YES						
03	July & week-III	02	Searching the Internet, Browser & its Types	Study material	Theory	02	YES						
04	July & week-IV	02	Introduction to social networking: Twitter, Tumblr	Study material	Theory	02	YES						
05	July & week-I	01	LinkedIn, Facebook, Flickr, Skype, Yahoo, Youtube, WhatsApp	Study material	Theory	01	YES						
06	Aug & week-I	01	Definition of e-mail, Advantages & disadvantages	Study material	Theory	01	YES						
07	Aug & week-II	01	User id, Passwords, Email Addresses	Study material	Theory	01	YES						
08	Aug & week-III	01	Domain Names, mailers, message components	Study material	Theory	01	YES						
09	Aug & week-IV	02	message composition, mail management	Study material	Theory	01	YES	Test/Quiz	01	YES			
10	Aug & week-I	02	Google suite, Google drive	Study material	Theory	01	YES	Assignment	01	YES			
11	SEP & week-I	02	Google documents, SP read share	Study material	Theory	01	YES	Assignment	01	YES			
12	SEP & week-II	01	Google slides	Study material	Theory	01	YES						
13	SEP & week-III	02	Google Forms	Study material	Theory	01	YES	Test/Quiz	01	YES			
14	SEP & week-IV	02	Over-views Internet security	Study material	Theory	01	YES	Student seminar	01	YES			
15	OCT & week-I	01	Email-threats & secure e-mail, viruses & anti viruses software	Study material	Theory	01	YES						
16	OCT & week-II	02	cryptography, digital signature, copyright issues, what are GDOI	Study material	Theory	02	YES	Assignment	01	YES			
17	OCT & week-III	02	digital initiatives in higher education	Study material	Theory	01	YES	Test/Quiz	01	YES			
18	OCT & week-IV	01	E-Sodh-Sindhu, e-acharya, E-Yantra	Study material	Theory	01	YES						

Rajyalakshmi
Signature of Incharge



Sh. Kareem
Signature of Principal

Sh. Kareem
Signature of Incharge

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: SHAIK. KAREEM

Name of the Department: Computer Science

Class: B. Com Hon (CA)

Year: III Semester: V

Paper: Cyber Security

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
01	July & Week-1	04	Cyber security Fundamentals, network security concepts Assignment - I (1 to 5)	Study material	Practical	02	YES						
02	July & Week-2	07	Information Assurance Fundamentals, Basics of cryptography, Symmetric & Asymmetric Assignment - I (6 to 10)	Study material	Practical	03	YES	JAM	02	YES			
03	July & Week-3	07	DNS, Firewalls, virtualization Radio - Frequency Assignment - II (1 to 5)	Study material	Practical	03	YES						
04	July & Week-4	07	Indentification Microsoft windows security principles, windows token window messaging Assignment - II (6 to 10)	Study material	Practical	04	YES						
05	July & Week-5	07	Windows program execution, windows Firewall Assignment - III (1 to 5)	Study material	Practical	03	YES	TEST QUIZ	02	YES			
05	Aug & Week-2	7	Attack techniques & motivation Anti-tamper, tunneling Techniques Assignment - III (6 to 10)	Study material	Practical	03	YES						
06	Aug & Week-3	7	Evad Techniques, Threat Infrastructure Assignment - III (11 to 15)	Study material	Practical	04	YES	Test/Quiz	01	YES	Student Seminar	02	YES
07	Aug & Week-4	07	Exploitation, Techniques to gain a foothold, misdirection Assignment - III (16 to 19)	Study material	Practical	03	YES	GD	02	YES			
08	Aug & Week-5	05	Reconnaissance & Disruption methods Assignments - IV & V	Study material	Practical	02	YES	Test/Quiz	01	YES			
09	Sep & Week-1	07	Malicious code, self-replicating malicious code Assignments - VI & VII	Study material	Practical	03	YES	Student Seminar	02	YES			
10	Sep & Week-2	07	Evading detection & elevating privileges Assignment - VII	Study material	Practical	03	YES						
11	Sep & Week-3	07	stealing information & exploitation Assignment - VIII	Study material	Practical	04	YES	Test/Quiz	02	YES			

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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: SHAIK KAREEM

Name of the Department: Computer Science

Class: B.Com Hon (C.A)

Year: III

Semester: V

Paper: Cyber Security

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
12	SEP & week-4	07	defense & Analysis Techniques Experiments - I & II	study material	Theory	02				TAM	01	YES	
13	OCT & week-2	07	Memory Forensics, Honey pots Experiment - II & IV, VII	Study material	Theory	02	YES			GTD	01	YES	
14	OCT & week-3	07	malicious code Naming Experiment - III &	Study material	Theory	02	YES			Student seminar	02	YES	
15	OCT & week-4	04	Automated malicious code analysis systems Experiments - V & VI	Study material	Theory	02	YES						
16	OCT & week-5	07	Intrusion Detection systems experiments - VII & IX, X	Study material	Theory	02	YES			Test Quiz	01	YES	

Signature of In-charge

Signature of lecturer



Signature of Principal
Principal
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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : SHATIK KAREEM

Name of the Department : Computer Science

Class : B.Com HonCCA

Year : III

Semester : V

Paper : mobile application development using Android

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
01	July & week-1	07	Introduction to Android, overview, history, Features	Study material	Theory	03	Yes						
			Experiment I & II		Practical	04	Yes						
02	July & week-2	04	The Android platform, Understanding the Android software stack	Study material	Theory	02	Yes						
			Experiment - III		Practical	02	Yes						
03	July & week-3	07	Android Application Architecture, The Android Application lifecycle	Study material	Theory	03	Yes						
			The activity lifecycle										
			Experiment - IV & V		Practical	02	Yes	JAM	01	Yes			
04	July & week-4	07	Creating Android Activity, views, layout android SDK, Android Installation, Building your first Android Application, Android manifest file	Study material	Theory	03	Yes	Assignment	01	Yes			
			Experiment - VI & VII		Practical	03	Yes						
05	July & week-5	02	Understanding anatomy of Android application	Study material	Theory	01	Yes	Test/quiz	01	Yes			
06	July & August week-1	05	Anatomy of an Android applications, Android terminologies	Study material	Theory	01	Yes						
			Experiments - VIII & IX		Practical	03	Yes	GID	01	Yes			
07	August & week-II	02	Creating User Interface with basic views, Application Context, Activities	Study material	Theory	02	Yes						
08	August & week-III	02	Services, Intents, linking activities with Intents, Receiving & Broadcasting Intents, Using Intent filters	Study material	Theory	02	Yes						
09	August & week-IV	07	Android manifest file & Common Settings, Permissions	Study material	Theory	02	Yes	Assignment	01	Yes			
			Experiments - X & XI		Practical	03	Yes	Test/quiz	01	Yes			
10	August & week-V	07	User Interface screen elements, Designing User Interfaces with layouts & working with animation	Study material	Theory	03	Yes						
			Experiments - XII & XIII		Practical	03	Yes	Student Seminars	01	Yes			
11	sep & week-I	05	Layouts, RecyclerView, list view, Grid view, web view, Buttons, Check boxes, Radio buttons, Toggle	Study material	Theory	03	Yes	Assignment	01	Yes			
			Experiment - XIV		Practical	01	Yes						
12	sep & week-II	04	Spinners, Input events, menus, Toast, Dialogs, Styles & Themes, creating custom list	Study material	Theory	02	Yes						
			Experiment - XV		Practical	01	Yes	Test/quiz	01	Yes			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : SK. KAREEM

Name of the Department : Computer science

Class : B.Sc (Computer Science)

Year : I

Semester : I

Paper : Computer Fundamentals & Office Automation

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
01	sep & week-3	03	Number systems, Binary, Decimal, octal, hexadecimal	Study material	Theory	03	YES						
02	sep & week-4	05	conversions between number systems	Study material	Theory	03	YES						
			Experiment - I		Practical	02	YES						
03	oct & week-2	05	Block diagram of a computer, component like Input, output	Study material	Theory	03	YES						
			Experiment - II		Practical	02	YES						
04	oct & week-3	05	Memory, CPU, Generations of computers, First to Fifth generation	Study material	Theory	03	YES						
			Experiment - III		Practical	02	YES						
05	oct & week-4	05	Technologies, characteristics	Study material	Theory	03	YES						
			Experiment - IV		Practical	01	YES	Test/Quiz	01	YES			
06	oct & week-5	04	Computer organization, Fundamentals components, Input/output devices, storage types, memory hierarchy	Study material	Theory	02	YES						
			Experiment - V		Practical	01	YES	Assignment	01	YES			
07	NOV & week-1	01	TYPES of computers, micro	Study material	Theory	01	YES						
08	NOV & week-2	05	Mini, main frame, super computer	Study material	Theory	03	YES						
			Network Fundamentals, Definition and - for networks		Practical	01	YES	JAM	01	YES			
09	NOV & week-3	05	TYPES, Topology, IP address, Domain Name	Study material	Theory	03	YES						
			Experiment - VI		Practical	02	YES						
10	NOV & week-4	05	Web browser, Email, word, word processing Basics.	Study material	Theory	03	YES						
			Experiment - VII		Practical	01	YES	Student Seminar	01	YES			
11	NOV & week-5	05	Using Microsoft / Google Docs - Formatting Styles, tables.	Study material	Theory	02	YES	Test/Quiz	01	YES			
12	DEC & week-1	05	Mail merge, presentation Tools, using Power point / Google slides	Study material	Theory	03	YES						
			Experiment - VIII		Practical	01	YES	GD	01	YES			
13	Dec & week-2	05	Slide design, animations, transitions, applications	Study material	Theory	03	YES						
			Experiment - IX		Practical	01	YES	Assignment	01	YES			
14	Dec & week-3	05	Creating resumes, reports, brochures & presentations, Key board shortcuts	Study material	Theory	03	YES						
			Experiment - X		Practical	01	YES	Test/Quiz	01	YES			
15	Dec & week-4	01	Spread sheet concepts, Understanding rows, columns	Study material	Theory	01	YES						
16	Dec & week-5	02	Experiment - XI		Practical	01	YES	Assignment	01	YES			
17	Jan & week-1	05	cells in tools like MS Excel / Google sheets, cell referencing, Functions & Formulae, sum, average, if, Count	Study material	Theory	03	YES						
			Experiment - XII		Practical	01	YES	JAM	01	YES			
18	Jan & week-2	04	charts, graphs, creating visual representations, Data handling, sorting, filtering, conditional formatting	Study material	Theory	02	YES						
			Experiment - XIII		Practical	01	YES	GD	01	YES			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : SK-Kareem Name of the Department : Computer Science

Class : <u>B.Sc Computer Science</u>			Year : <u>I</u> Semester : <u>I</u>		Paper : <u>Computer Fundamentals & Office Automation</u>					Remarks				
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	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	
19	Jan 18 Week-4	05	Text Functions, left, right, mid, len, trim, concat, Text join, Advanced Functions logical, if, and, or, if error, lookup, vlookup, hlookup, xlookup, inarray, match	Study material	Theory	03	Yes							
			Experiments - I to VII		Practical	01	Yes		Test/quiz	01	Yes			
20	Feb 8 Week-1	05	Conditional Formatting, custom styles, color scales, Icon sets, Data bars, Data Analysis Tools, Pivot tables, pivot charts, Data validation, What-if analysis, Goal Seek, Scenario manager	Study material	Theory	03	Yes		Assignment	01	Yes			
			Experiments - VIII to XIV		Practical	01	Yes							
21	Feb 15 Week-2	05	Charts, Dashboards, creating Interactive dashboards, using slicers with Pivot tables, Combo charts & sparklines, productivity tips, using named Ranges, Freeze Panes, Slip view	Study material	Theory	02	Yes		Assignment	01	Yes			
									Test/quiz	01	Yes			
									Student Seminar	01	Yes			

Signature of In-charge

Signature of Lecturer



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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : S.K. Kareem

Name of the Department : Computer Applications

Class : <u>B.Com (Computer Applications)</u>			Year : <u>I</u> Semester : <u>I</u>		Fundamentals of Information Technology & Office Automation									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date		
01	sep-II	1	Number system, Binary, Decimal	Study material	Theory	01	Yes							
02	sep-IV	3	octal, & Hexa decimal, conversion between number systems	Study material	Theory	03	Yes							
03	oct-II	3	History from early mechanical devices to modern day systems	Study material	Theory	03	Yes							
			First to fifth generation, Technologies characteristics & examples	Study material	Theory	03	Yes							
04	oct-III	3	Functional components Input output devices	Study material	Theory	03	Yes							
			Storage types & Memory Hierarchy	Study material	Theory	01	Yes	Test/Quiz	01	Yes				
05	oct-IV	02	Micro, mini, Mainframe & Super computer	Study material	Theory	02	Yes	Assignment						
06	oct-V	03	definition of networks, Need for N/Ws	Study material	Theory	03	Yes							
			Key components, Nodes, Links	Study material	Theory	03	Yes							
07	oct-Nov-II	03	Protocols, Networking Devices LAN, WAN & MAN	Study material	Theory	03	Yes							
08	Nov-III	03	Bus, Ring, Star, Mesh, History of Internet, IP Address	Study material	Theory	03	Yes							
09	Nov-IV	03	URL, WWW, Web browsers, Search Engines, E-Mails, Internet security	Study material	Theory	03	Yes							
10	Nov-V	03	Definition, Using Microsoft word/google docs	Study material	Theory	02	Yes	Test/Quiz	01	Yes				
			Templates for resumes, letters, reports	Study material	Theory	02	Yes	Assignment	01	Yes				
11	Dec-I	03	Typing, editing text, Font styles, size, color & effects, Paragraph alignment	Study material	Theory	02	Yes	Assignment	01	Yes				
12	Dec-II	03	Indentation, Spacing, Bullets, numbering & text highlighting	Study material	Theory	02	Yes	Student Seminar	01	Yes				
13	Dec-III	03	Templates for resumes, letters & reports, Inserting & formatting tables	Study material	Theory	02	Yes	Assignment	01	Yes				
14	Dec-IV	02	Adding images, shapes, icons & SmartArt. Text wrapping & positioning	Study material	Theory	01	Yes							
15	Jan-I	01	page setup, Headers, footers, page numbering, Section breaks & columns	Study material	Theory	01	Yes							
			Applying themes & styles	Study material	Theory	02	Yes	JAM	01	Yes				
16	Jan-II	03	spell check & grammar tools, thesaurus & mail merge, footers, endnotes & captions, Bibliography & citation tools	Study material	Theory	02	Yes							
			Tables of contents & Index creation	Study material	Theory	03	Yes							
17	Jan-IV	03	Presentation Tools & Applications	Study material	Theory	02	Yes	Test/Quiz	01	Yes				
18	Jan-V	02	Spread sheet concepts, Cells, formulas, Functions & Formulas	Study material	Theory	02	Yes	Assignment	01	Yes				
19	Feb-I	03	lookup & reference, visual representation; data handling	Study material	Theory	02	Yes	Assignment	01	Yes				
20	Feb-II	03	conditional formatting, Data Analysis Tools, What-if analysis	Study material	Theory	02	Yes	Test/Quiz	01	Yes				
21	Feb-III	03	charts & dashboards; Productivity tips	Study material	Theory	01	Yes	Assignment	01	Yes				
22	Feb-IV	03	Oltp videos	Study material	Theory	01	Yes	Test/Quiz	01	Yes				
								Student Seminar	01	Yes				

S.K. Kareem
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S.K. Kareem
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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: ShaiK. Kareem

Name of the Department: Computer Applications

Class: B. Com Computer Applications Year: II Semester: IV Paper: data Base management system

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
01	NOV & IV	4	Introduction to DBMS, Data Base System & characteristics of DBMS Cycle - I 1-5 queries	Study material	Theory	02	YES						
02	NOV & V	7	data Base Uses, Advantages of data Base applications, data model Introduction, Types of data models Cycle - I 6-10 queries	Study material	Theory	03	YES						
03	Dec & I	7	concepts of schema, Trustank & data independence, Thru tics schema architecture, data independence cycle - II 1-5 queries	Study material	Theory	03	YES						
04	Dec & II	7	data Base structure, environment, centralized & client server architecture for the database cycle - II 6-10 queries	Study material	Theory	03	YES						
05	Dec & III	7	Introduction to relational model, codd's rules, concepts of domain, attribute, tuple & relations cycle - III 1-5 queries	Study material	Theory	03	YES	Test/quiz	01	YES			
06	Dec & IV	03	constraints & their importance & concepts of keys cycle - III 6-10 queries	Study material	Theory	01	YES						
07	Dec & V	06	Relational Algebra & relational calculus purpose of Normalization/schema refinement PL/SQL program - I	Study material	Theory	02	YES	JAM	01	YES			
08	Jan & I	01	concept of functional dependency Normal forms based on functional dependency, Boyce-codd normal form	Study material	Theory	01	YES						
09	Jan & II	07	PL/SQL program - II	Study material	Theory	02	YES	Test/quiz	01	YES			
10	Jan & III	07	Introduction to entity relationship model, representation of entities, attributes, entity set, relationship PL/SQL program - II	Study material	Theory	03	YES	assignment	01	YES			
11	Jan & IV	04	Relationship set, constraints, sub classes, Super class, inheritance PL/SQL program - III	Study material	Theory	02	YES						
12	Feb & I	07	specialization, generalization using ER Diagrams, Database schema PL/SQL program - IV	Study material	Theory	03	YES	Seminar at students	01	YES			
13	Feb & II	07	Data types, DDL operations, DML operations, basic SQL querying using where clause arithmetic & logical operations PL/SQL program - V	Study material	Theory	03	YES						
			PL/SQL program - VI		Practical	03	YES	assignment	01	YES			

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ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : SHAIK KAREEM

Name of the Department : Computer Applications

Class : B.COM (Computer Applications)

Year : II

Semester : IV

Paper : Data Base Management System

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value / Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
14	Feb 02	7	aggregation, grouping, ordering, nested queries, implementation of different type of joins, set functions	Study material	Theory	03	Yes						
15	Feb 09	7	PL/SQL Program - VII Creating table with relationship, implementation of key & integrity constraints, views, relational set operations	Study material	Practical	04	Yes						
16	Mar 06	7	PL/SQL Program - VIII Procedural control language, control flow, savepoint, TCL, triggers	Study material	Theory	03	Yes						
17	Mar 13	7	PL/SQL Program - IX Introduction to PL/SQL, structure, control structures, cursors, procedure, function, packages, exception handling, triggers	Study material	Practical	03	Yes	Test Quiz	01	Yes			
18	Mar 20	6	PL/SQL Program - X Transaction state, implementation of atomicity, durability, consistency, isolation, serializability, recoverability	Study material	Theory	02	Yes	GD	01				
19	Mar 27	07	Cycles I, II & III implementation of isolation, testing for serializability, Failure recovery	Study material	Practical	02	Yes	Test Quiz	01				
			Storage, Recovery algorithms Recovery algorithm	Study material	Theory	03	Yes						
			PL/SQL programs I to X		Practical	03	Yes	Test Quiz	01				

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Shaik. Kaseem

Name of the Department : Computer Applications

Class : B.A (Economics), B. Com (Gen. Sec) Year : II Semester : IV Paper : Cyber Security

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date	
01	NOV 0 IV	02	Introduction, cyber crime, Definition & origins of the word.	Study material	Theory	02	YES						
02	NOV 0 V	02	cybercrime, & information security who are cyber criminals?	Study material	Theory	02	YES						
03	DEC 0 I	02	Classification of cybercrimes, the legal perspectives, an Indian Perspectives	Study material	Theory	02	YES						
04	DEC 0 II	01	Cybercrime & the Indian Act 2008	Study material	Theory	01	YES						
05	DEC 0 III	02	A Global perspective on cybercrimes	Study material	Theory	01	YES	Test/Quiz	01	YES			
06	DEC 0 IV	01	Introduction to cybercrime - mobile devices review	Study material	Theory	01	YES						
07	JAN 0 I	02	Proliferation of mobile devices	Study material	Theory	02	YES						
08	JAN 0 II	01	Trends in mobility Credit card frauds in mobile & wireless computing era.	Study material	Theory	01	YES						
09	JAN 0 III	02	Attacks on mobile / cell phones	Study material	Theory	02	YES						
10	JAN 0 IV	02	Security Implications & a review Organizational measures for handling mobile devices - related security issues	Study material	Theory	02	YES						
11	FEB 0 I	02	Organizational policies & measures in mobile computing era. Laptops	Study material	Theory	01	YES	Test/Quiz	01	YES			
12	FEB 0 II	02	Tools & methods used in cybercrime Password cracking, Keyloggers & Spywares	Study material	Theory	02	YES						
13	FEB 0 III	02	Virus & worms, Trojan Horses & Back doors	Study material	Theory	02	YES						
14	FEB 0 IV	02	Steganography attacks wireless networks	Study material	Theory	02	YES						
15	MAR 0 I	02	Phishing & Identity Theft & Introduction	Study material	Theory	02	YES						
16	MAR 0 II	01	Phishing	Study material	Theory	01	YES						
17	MAR 0 III & IV	02	Identity Theft (ID Theft)	Study material	Theory	01	YES	Test/Quiz	01				

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Shaik. Kasper M

Name of the Department : Computer Applications

Class : B.Com CCA

Year : II Semester : II

Paper : E-commerce & web Application Development

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	
01	Feb week-1	03	Definition, scope, & evolution, Benefits & limitations, Types of E-commerce B2B, B2C, C2C & C2C models, E-commerce Business models, Revenue models	Study material	Theory	03	Yes						
		04	experiments 1 & 2		Practical	04	Yes						
02	Feb week-2	03	Infrastructure for E-commerce, Internet, intranet, Extranet, payment gateways & digital exports legal & ethical issues, cyber laws & data privacy, Intellectual property, taxation & security	Study material	Theory	03	Yes						
		04	experiments 3 & 4		Practical	02	Yes	Test/Quiz	02	Yes			
03	Feb week-3	03	essentials of web design for business, content management systems, Online marketing & SEO, Digital marketing channels search engine optimization	Study material	Theory	03	Yes						
		04	experiments 5 & 6		Practical	03	Yes	Assignment	01	Yes			
04	Feb week-4	03	Digital payment systems; credit debit cards, Net banking, mobile wallets, UPI, EFT, payment Gateways - Blockchain & cryptocurrencies AI & E-commerce	Study material	Theory	03	Yes						
		04	Experiments 7 & 8		Practical	03	Yes	JAM	01	Yes			
05	Mar week-1	02	Future of E-commerce, web designing web designing principles, Introduction to HTML5, HTML document structure, Formatting elements, lists, images	Study material	Theory	02	Yes						
		04	Experiments - 9 & 10		Practical	03	Yes						
06	Mar week-2	03	links and navigation, Tables, Inline frames, HTML Forms, embedding multimedia objects, CSS basics, CSS Rules, Applying CSS Rules	Study material	Theory	03	Yes						
		04	Experiments - 11 & 12		Practical	02	Yes	Test/Quiz	02	Yes			
07	Mar week-3	03	embedding CSS code in HTML page Inline, internal, external style sheets, CSS properties, Font, color, Types of CSS color values, Background, CSS Box model, Display properties, styling Pseudo elements	Study material	Theory	03	Yes						
		02	Experiment - 13		Practical	01	Yes	Assignment	01				
08	Mar week-4	02	positioning properties, layering, styling list & tables, CSS Animation, filters, Transition & Transform properties, Navigation bars, CSS canvas	Study material	Theory	02	Yes						
		04	Experiments - 14 & 15		Practical	02	Yes	Test/Quiz	02				

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Shaik. Kaseem

Name of the Department : Computer Applications

Class : B.Com HONOURS (G&CA) & B.A HONOURS (ECONOMICS)

Year : I Year & II Semester

Paper : Applications of AI

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date	
01	Feb & Week-1	04	Handware used in building AI Applications, processor - CPU, GPU, IPU, NPU, memory - RAM, VRAM, storage - HDD, SSD, platforms for building applications using AI, Online Platforms	Study material	Theory	04	yes						
			Experiment - 1	Practical	01	yes	JAM	01	yes				
02	Feb & Week-2	03	DESKTOP platforms, edge AI, concept, applications in daily life in devices like refrigerators, led bulbs, surveillance cameras, micro ovens, smart car/scooters, edge AI in smart appliances	Study material	Theory	03	yes						
			Experiment - 2	Practical	01	yes	Test/Quiz	01	yes				
03	Feb & Week-3	04	Importance of data in building AI Applications, data as the fuel for AI, Role of big data in training AI models, conceptual foundation of data, Data vs Information vs knowledge, Structure of data, Semi-structured & Unstructured data	Study material	Theory	04	yes						
			Experiment - 3	Practical	01	yes	Assignment	01	yes				
04	Feb & Week-4	04	modalities of data, Text, image, Audio, video, Tabular, Time-series & spatial data, Formats of data, Text formats, Image formats, Audio/ video, Data repositories, definition of public datasets, definition of private datasets, Importance of public data sets, Popular public domain dataset licensing & usage rights	Study material	Theory	04	yes						
			Experiment - 4	Practical	01	yes	Test/Quiz	01	yes				

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: Shaik. Kaseem

Name of the Department: Computer Applications

Class: <u>B.A Economics (Economics) & B.Com Honours (Accounting)</u>		Year: <u>3 year & II semester</u>		Paper: <u>Applications of AI</u>									
S.No	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional / Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
05	Week 1 Mar 3	04	ethics, privacy in data usage, privacy concerns related to data usage, regulations AI data privacy, The AI data pipeline, stages & components, key stages, data annotation, Pre-processing splitting, Feeding in AI models, (data ingestion, storage, processing, validation, delivery)	Study material	Theory	03	Yes		Assignment	01	Yes		
06	Week 2 Mar 3	03	data collection methods AI, manual input, sensors, IoT devices, system logs, transactions, web scraping, APIs, data annotation & labelling, definitions importance, annotation methods, manual annotation, automated	Study material	Theory	03	yes						
		02	Experiment - 5		Practical	01	yes		Assignment	01			
07	Week 3 Mar 4	03	Types of annotation, classification, Bounding boxes, Segmentation, Transcription, NLP, Data cleaning & Preprocessing, Importance of data cleaning, Understanding "dirty" data, missing values, Duplicates, Incorrect formats	Study material	Theory	03	yes		GD	01			
08	Week 4 Mar 4	03	Outliers, noise, steps in data cleaning, identify issues, handle errors, validate cleaned data, splitting, splitting data into training set & test set, Data Transformation, Techniques, Normalization, Transformation, Feature Engineering	Study material	Theory	03	yes						
		04(1+)	Experiments - 6 & 7		Practical	02	yes		Assignment	01			
09	Week 5 Mar 5	01	NOT FOR B.A ECONOMICS - IT IS FOR B.COM (CG & CA) STUDENTS Introduction to AI in Commerce, Recommendation engines	Study material	Theory	01	yes						
		02	Experiments - 8 & 9		Practical		yes						

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Shaik Kareem

Name of the Department : Computer Applications

Class : B.A Honours (Economics) & B.Com Honours (6 & 7)

Year : I Year & II Semester

Paper : Applications of AI

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date	
10	APR & WEEK-1	02	Chat bots & virtual assistants, sentiment analysis & review mining, inventory optimization & demand forecasting	Study material	Theory	02	YES						
11	APR & WEEK-2	03	Ethical Issues related to use of AI in commerce and business privacy & transparency, AI in Business Intelligence & Predictive Analytics	Study material	Theory	03	YES						
		02	Experiments - 10		Practical	01	YES						
12	APR & WEEK-3	04	Financial Applications, Fraud Detection, Risk modeling,	Study material	Theory	03	YES	Test/Quiz	01	YES			
			HR Applications	material									
13	APR & WEEK-4	02	experiment - 11		Practical	02	YES						
		04	Resume screening, Employer Analytics, Supply chain automation & optimization	Study material	Theory	04	YES						
		02	experiment - 12		Practical	01	YES	Seminar	01				
14	APR & WEEK-5	02	AI in marketing, customer segmentation, lead scoring, strategic adoption of AI in enterprises, explainable AI in e-commerce	Study material	Theory	02	YES	Assessment	01				
		02	Experiment - 13		Practical	02	YES	Test/Quiz	01				
09	MAR & WEEK-5	01	AI in economics, Predicting market trends, consumer behaviour & economic forecasting	Study material	Theory	01	YES						
		02	experiments - 8 & 9		Practical	02	YES						
10	APR & WEEK-1	02	AI in Political Science & Public Policy, social media analysis for political campaigns, opinion mining & election trend prediction	Study material	Theory	02	YES						

NOT FOR B.COM (Gen & EA) STUDENTS & B.A. Economics Students

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026


Name of the Lecturer : Shaik. Kareem

Name of the Department : Computer Applications

Class : B.A Honours (Economics) & B.Com Honours (A & CA)

Year : I Year & II Semester

Paper : Applications of AI

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
11	APR & Week-2	03	AI in psychology & sociology.										
			emotion recognition from facial expressions & text, AI chat bots in mental health counseling	Study material	Theory	03	YES						
		02	experiment - 10		Practical	01	YES	Assignment	01				
12	APR & Week-3	04	AI in History & Society, Digital archives & historical document analysis.										
			AI for preserving ancient languages and scripts, Social impact of AI on jobs, Privacy & democracy	Study material	Theory	04	YES						
		02	Experiment - 11										
13	APR & Week-4	04	AI in literature & languages, machine-translation, sentiment analysis in literature & media reviews	study material	Theory	03	YES	Task/quiz	01	YES			
			AI-assisted creative writing		Practical	01	YES	Seminar	01				
14	APR & Week-5	02	AI in Arts & culture, AI in music composition & art generation.										
			Digitization & preservation of cultural heritage using AI, Identifying fake art forgeries	Study material	Theory	02	YES	Assignment	01				
		02	Experiment - 13		Practical	01	YES	Task/quiz	01				
Prof. Kareem Signature of Incharge				 Signature of Principal				Dr. Kareem Signature of Lecturer					



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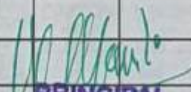
Name of the Lecturer : Dr. Y. Chinmaka

Name of the Department : Economics

Class : III BA Year : III, Semester I Paper : Retail and Digital marketing

S.No.	2025 Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	July													
	I		Types of marketing											
	II		Market organization											
	III		Principles		Review	1								World Population Day
	IV		Retail market											
	V		Digital market											
	August													
	I		Product life cycle											
	II		Sale promotion											
	III		Types of Retail market		Assess	1								Independence Day
	IV		Retail market strategies											
	V		Store management											
	Sept													
	I		Types of digital market											
	II		e-Banking		Assess	1								International Literacy Day
	III		Physical Retail		Short	1								
	IV		Digital market strategies		Short	1								
	V		Types of Digital market		Short	1								
	Oct													
	I		Concepts Retail, digital		Assess	1								
	II		Types of Case Studies											
	III		Digital market - Company		Short	1								
	IV		Growth of digital market		Short	1								

(Dr. Y. Chinmaka)


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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: Dr. V. Chinna Rao

Name of the Department: Economics

Class: B.A

Year: III Semester - V

Paper: Farmer producer organization
ISA

S.No.	2025 Month & Week July	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Rem	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	I		Concept & importance of FPO											
	II		Types of FPO										World population day	
	III		Function of FPO											
	IV		Role of FPO		Abst	1								
	V		For/for of FPO											
	August													
	I		Promotions of FPO											
	II		Strategies of FPOs											
	III		Plan of FPO		Abst	1							Independence day	
	IV		Function of ABPF											
	V		Development plan of FPO											
	Sept													
	I		Financial planning in FPO											
	II		Financial planning in FPO											
	III		Benefits of the FPO		Abst	1							International library day	
	IV		Marketing strategies of farmer producer		Abst	1								
	V		Digital marketing		Abst	1								
			Social media marketing		Abst	1								
	Oct													
	I		Sources of Agriculture Finance		Abst	1								
	II		Farm marketing Finance		Abst	1								
	III		Project management Unit		Abst	1								
	IV		NABARD		Abst	1								

V. Chinna Rao
(Y. CHINNA RAO)

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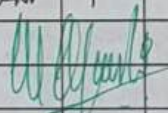
Name of the Lecturer: Dr. Y. Chinnappa

Name of the Department: Economics

Class: III BA Year: III, Semester V Paper: Entrepreneurship and MSMEs

S.No.	2025 Month & Week July	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	I		Importance & Functions of Entrepreneurship											
	II		Women Entrepreneurship											World Population Day
	III		Concept of Entrepreneurship											
	IV		Theories of Entrepreneurship											
	V		Risks Bearing											
	Aug													
	I		Urban Entrepreneurship: advantages & problems of urban entrepreneurship											
	II		micro enterprises											Independence Day
	III		Role of MSMEs											
	IV		organic farm product											
	Sept													
	I		Type of Loans											
	II		Strategies of MSMEs											
	III		marketing strategies											
	IV		Role of digital marketing											
	V		Demand Forecasting											
	Oct													
	I		Loan schemes for MSMEs											
	II		Loan policy for MSMEs											
	III		Type of case studies											
	IV		SIDBI											

Dr. Y. Chinnappa
(Lecturer)


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: Dr. Y. Chinnappa

Name of the Department: Economics

Class: III B.A Year: III, Semester: IV Paper: Insurance Services

S.No.	2025 Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
	I		Concept Risk										
	II		Importance of Insurance										
	III		Uncertainty										
	IV		Functions of Insurance										
	V		Types of Insurance										
	August												
	I		Benefits of Life Insurance										
	II		Life Insurance Companies										
	III		Nature of General Insurance										
	IV		Types of General Insurance										
	V		Group Health Insurance										
	September												
	I		Terms, Conditions of Insurance Policy										
	II		Surrender of Insurance Policy										
	III		Types of Insurance Policies										
	IV		Termination of Insurance Policy										
	V		Types of Revival Policy										
	October												
	I		Grievances of the Customer										
	II		Categories of Insurance Customer										
	III		IRDP										
	IV		Types of Ombudsman										

(Signature)
Y. Chinnappa

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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Dr. Y. Chinna Rao

Name of the Department : Economics

Class : II BA Year : II, Sem III Paper : MACRO ECONOMICS

S.No.	2025 Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	I		Scope & Importance of macro Economy											
	II		Circular Flow of Income											
	III		Concepts of National Income											
	IV		Concepts of National Income											
	V		measures of National Income			Article 1								
	August													
	I		Classical Theory of Employment											
	II		Kaynes Theory			Article 1								
	III		multiplier											Independence day
	IV		Function of money											
	V		Theory of money											
	September													
	I		Inflation											
	II		Control of Inflation			Article 1								
	III		Unemployment											International Workers Day
	IV		Phillips Curve			Study Sem 1								
	V		Trade Cycle			Study Sem 1								
	October													
	I		Types of Financial market			Article 1								
	II		Stock market											
	III		Fiscal Policy			Study Sem 1								
	IV		Keynesian Synthesis			Study Sem 1								

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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Dr. Y. Chinna Das

Name of the Department : Economics

Class : B.A

Year : I, Sem I

Paper : Introduction to Economics

S.No.	2025 Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
	I		Definitions of Economics										
	II		Micro Economics										
	III		Macro Economics										
	IV		P.P.F										
	V		Economic Systems										
	<u>October</u>												
	I		sets										
	II		Functions										
	III		Indian Economy										
	IV		National Income										
	<u>November</u>												
	I		Trade wars										
	II		Green Economy										
	III		Artificial Intelligence										
	IV		Behavioural Economics										
	V		Higher Education										
	<u>December</u>												
	I		Online platform										
	II		Competitive Exams										

(Y. CHINNA DAS)

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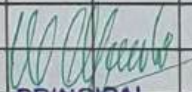
Name of the Lecturer : Dr. Y. Chinna Rao

Name of the Department : Economics

Class : II BSc Year : II, Sem - IV Paper : Fundamentals of Economics

S.No	Sols Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	I		Scope of Economics											
	II		micro Economics											
	III		macro Economics											
	IV		macro Economics		Absent	1								
	V		Difference of micro & macro											
	Jan													
	I		Diminishing marginal utility											
	II		Indifference curves		Absent	1								
	III		Price of demand											
	IV		production function		Absent	1								
	Feb													
	I		National Income											
	II		Type of money											
	III		Central Bank		Absent	1								
	IV		Fiscal policy											
	March													
	I		Revision											
	II		Revision											

Dr. Y. Chinna Rao
(Y. CHINNA RAO)


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2025 -26

SEMESTER WISE CURRICULAR PLAN

SEMESTER – I

ENGLISH BRIDGE -- I

G. RATNA PAPA
LECTURER IN ENGLISH

COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA, BAPATLA DISTRICT														NAME OF THE DEPARTMENT:		ENGLISH	
NAME OF THE TEACHER:				G. RATNA PAPA					CLASS: BSC, BCOM, BA		YEAR: FIRST YEAR		PAPER: GENERAL ENGLISH SEMESTER-I				
				Curricular activity						Co-Curricular activity							
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional Input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	If no alternate date	Activity conducted	Hours allotted	Whether conducted	If no alternate date	Remark			
1	August 2025	1 st	2/2	Introduction to Syllabus CORAMANDEL FISHERS	PROVIDED		1			HOUSE EXAM							
2	August 2025	2 nd	3/3	CORAMANDEL FISHERS THE NIGHT TRAIN AT DEOLI	PROVIDED		1			ASSIGNMENT							
3	August 2025	3 rd	3/2	THE NIGHT TRAIN AT DEOLI	PROVIDED		1			ASSIGNMENT							
4	August 2025	4 th	4/4	PARTS OF SPEECH	PROVIDED	Practice	4										
5	August 2025	5 th	3/4	THE LOST CHILD	PROVIDED		1			SLIP TEST							

G. Ratna PAPA
Signature of the Lecturer

[Signature]
Signature of the Principal
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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,																
PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026																
NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA, BAPATLA DISTRICT					NAME OF THE DEPARTMENT: ENGLISH											
NAME OF THE TEACHER:			G. RATNA PAPA				CLASS: BSC, BCOM, BA			YEAR: FIRST YEAR			PAPER: GENERAL ENGLISH SEMESTER- I			
				Curricular activity						Co-Curricular activity						
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	If no alternate date	Activity conducted	Hours allotted	Whether conducted	If no alternate date	Remark		
6	September 2025	1 st	3/3	LETTER TO A TEACHER	PROVIDED		1			HOME EXAM						
7	September 2025	2 nd	3/3	ARTICLES& PREPOSITIONS	PROVIDED	PRACTICE	3									
8	September 2025	3 rd	4/4	PREPOSITIONS	PROVIDED	PRACTICE	4							MID -1 EXAM		
9	September 2025	4 th	3/2	WHERE THE MIND IS WITHOUT FEAR	PROVIDED		1			ASSIGNMENT						
10	September 2025	5 th	0/0	-----												


G. Ratna PAPA
Signature of the Lecturer

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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,															
PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026															
NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA, BAPATLA DISTRICT					NAME OF THE DEPARTMENT: ENGLISH										
NAME OF THE TEACHER:		G. RATNA PAPA			CLASS: BSC, BCOM, BA			YEAR: FIRST YEAR			PAPER: GENERAL ENGLISH SEMESTER- I				
				Curricular activity					Co-Curricular activity						
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark	
11	October 2025	1 st	0/0												
12	October 2025	2 nd	3/3	HOW DARE YOU	PROVIDED		2			SLIP TEST					
13	October 2025	3 rd	4/4	QUESTION TAGS		PRACTICE	2								
14	October 2025	4 th	3/3	NIGHT OF THE SCORPION REFUND	PROVIDED		2			HOUSE EXAM				JAM SESSION	
15	October 2025	5 th	3/3	REFUND	PROVIDED		3			ASSIGNMENT					


Signature of the Lecturer


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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,															
PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026															
NAME OF THE COLLEGE: GOVERNMENT. DEGREE COLLEGE FOR WOMEN, CHIRALA BAPATLA DISTRICT										NAME OF THE DEPARTMENT:			ENGLISH		
NAME OF THE TEACHER:		G. RATNA PAPA								CLASS: BSC, BCOM, BA		YEAR: FIRST YEAR		PAPER: GENERAL ENGLISH SEMESTER- I	
					Curricular activity					Co-Curricular activity					
SLNo	Month	Week	Hours available	Syllabus topic	Additional Input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark	
16	November 2025	1 st	1/1	TENSES		PRACTICE	1								
17	November 2025	2 nd	3/3	TENSES		PRACTICE	3							MID – 2 EXAMS	
18	November 2025	3 rd	4/4	AN ASTROLOGER'S DAY	PROVIDED		1			SLIP TEST					
19	November 2025	4 th	4/4	BASIC SOUNDS		PRACTICE	4								
20	November 2025	5 th	4/4	BASIC SOUNDS		PRACTICE	4								

G. Ratna PAPA
Signature of the Lecturer

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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2024-2025

NAME OF THE COLLEGE: GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPATLA DISTRICT				NAME OF THE DEPARTMENT: ENGLISH										
NAME OF THE TEACHER: G. RATNA PAPA				CLASS: BSC, BCOM, BA		YEAR: FIRST YEAR		PAPER: GENERAL ENGLISH SEMESTER- I						
				Curricular activity					Co-Curricular activity					
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional Input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark
21	December 2025	1 st	4/4	WORD STRESS	PRACTICE	PRACTICE	4							
22	December 2025	2 nd	3/3	INTONATION	PRACTICE	PRACTICE	3			HOUSE EXAM				CLASSROOM SEMINAR
23	December 2025	3 rd	4/4	HOMOPHONES	PRACTICE	PRACTICE	4							
24	December 2025	4 th	2/3	PHONETIC PRACTICE	PRACTICE	PRACTICE	2							
25	December 2025	5 th	2/2	PHONETIC PRACTICE	PRACTICE	PRACTICE	2							

G. Ratna Papa
Signature of the Lecturer


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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT															NAME OF THE DEPARTMENT: ENGLISH				
NAME OF THE TEACHER: G. RATNA PAPA				CLASS: BSC, BA, BCOM				YEAR: FIRST YEAR				PAPER: I SEMESTER I							
				Curricular activity						Co-Curricular activity									
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark					
6	January 2026	1 st	2/2	REVISION															
7	January 2026	2 nd	3/3	Revision															
8	January 2026	3 rd	0/0																
9	January 2026	4 th	4/4	AKU END SEMESTER EXAMINATIONS															
10	January 2026	5 th	3/3																


Signature of the Lecturer


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2025 -26

SEMESTER WISE CURRICULAR PLAN

SEMESTER – II

ENGLISH BRIDGE – II



G. RATNA PAPA
LECTURER IN ENGLISH

COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT				NAME OF THE DEPARTMENT: ENGLISH										
NAME OF THE TEACHER: G. RATNA PAPA				CLASS: BSC, BA, BCOM		YEAR: FIRST YEAR		PAPER: II SEMESTER II						
				Curricular activity				Co-Curricular activity						
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	If no alternate date	Activity conducted	Hours allotted	Whether conducted	If no alternate date	Remark
11	February 2026	1 st	4/4	INTRODUCTORY CLASS ON SAYING PLEASE	PROVIDED	YES	1			SLIP TEST				
12	February 2026	2 nd	4/4	HALF A RUPEE WORTH CONVERSION OF WORDS	PROVIDED	YES	1			SLIP TEST				
13	February 2026	3 rd	4/4	IF I HAVE A DREAM	PROVIDED	YES	1			ASSIGNMENT				
14	February 2026	4 th	4/4	SKIMMING AND SCANNING	PROVIDED	YES	1							
15	February 2026	5 th	0/0	-----										

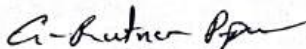
G. Ratna PAPA
Signature of the Lecturer

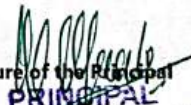
M. S. Srinivas
Signature of the Principal
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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT				NAME OF THE DEPARTMENT: ENGLISH										
NAME OF THE TEACHER: G. RATNA PAPA				CLASS: BSC, BA, BCOM		YEAR: FIRST YEAR		PAPER: II SEMESTER II						
				Curricular activity				Co-Curricular activity						
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark
16	March 2026	1 st	3/4	NEVER- NEVER NEST	PROVIDED	YES	1			HOME EXAM				
17	March 2026	2 nd	3/3	THE GIFT OF THE MAGI	PROVIDED	YES	1			ASSIGNMENT				
18	March 2026	3 rd	3/3	REPORT WRITING	PRACTICE	YES	1							MID - I EXAMS
19	March 2026	4 th	3/4	HOW I TAUGHT MY GRANDMOTHER TO READ	PROVIDED	YES	1			SLIP TEST				
20	March 2026	5 th	1/2	INFORMATION TRANSFER PIE CHART, TREE DIAGRAM&FLOW CHART	PRACTICE									


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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025 -2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT				NAME OF THE DEPARTMENT: ENGLISH										
NAME OF THE TEACHER: G. RATNA PAPA				CLASS:		YEAR:		PAPER: II SEMESTER II						
				Curricular activity				Co-Curricular activity						
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input/value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	If no alternate date	Activity conducted	Hours allotted	Whether conducted	If no alternate date	Remark
21	April 2026	1 st	3/1	NOTE-MAKING	PRACTICE	YES	1							MID-II EXAMS
22	April 2026	2 nd	3/3	THE SECRET OF WORK	PROVIDED	YES	1			SLIP TEST				
23	April 2026	3 rd	4/3	NOTICES, AGENDA, MINUTES	PRACTICE	YES	1							
24	April 2026	4 th	4/4	ONE-WORD SUBSTITUTES	PROVIDED	YES	1							
25	April 2026	5 th	3/2	Revision										

G. Ratna P. P.
Signature of the Lecturer

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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT				NAME OF THE DEPARTMENT: ENGLISH											
NAME OF THE TEACHER: G. RATNA PAPA				CLASS: BSC, BA, BCOM		YEAR: FIRST YEAR		PAPER: II SEMESTER II							
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Curricular activity				Co-Curricular activity				Remark	
						Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date		
16	May 2026	1 st	0	AKU SEMESTER END EXAMINATION											01.05.26 TO 14.05.26
17	May 2026	2 nd	0	AKU SEMESTER END EXAMINATION											
18	May 2026	3 rd	0	COMMUNITY SERVICE PROJECT (SIX WEEKS)											15.05.26 TO 28.06.26
19	May 2026	4 th	0	SUMMER VACATION											
20	May 2026	5 th	0	SUMMER VACATION											

A curriculum plan for the end of the semester refers to a structured schedule outlining the key learning objectives, assessment, and activities that will be covered in the final weeks of a course, focusing on solidifying key concepts, reviewing material, and preparing

G. Ratna PAPA
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2025 -26

SEMESTER WISE CURRICULAR PLAN

SEMESTER – I

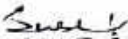
HINDI – PROSE, SHORT STORIES
& GRAMMAR - I

MR. SUBHASH CHAUHAN
LECTURER IN HINDI

COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN CHIRALA BAPATLA DISTRICT				NAME OF THE DEPARTMENT: HINDI											
NAME OF THE TEACHER: SUBHASH CHAUHAN				CLASS: BSC, BCOM. BA		YEAR: FIRST YEAR		PAPER: GENERAL HINDI SEMESTER-I							
Sl. No	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Curricular activity				Co-Curricular activity				Remark	
						Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date		
1	August 2025	1 st	2/2	प्रस्तावना विषय सूची	हां										
2	August 2025	2 nd	3/3	साहित्य परिचय	हां										
3	August 2025	3 rd	3/2	व्याकरण	हां	कार्यभार	1	हां							
4	August 2025	4 th	4/4	व्याकरण	हां					प्रश्नोत्तर	1	हां			
5	August 2025	5 th	3/4	व्याकरण लिंग, वचन, कात, विलोम शब्द	हां	संगोष्ठी	1	हां							


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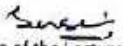

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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN CHIRALA BAPATLA DISTRICT					NAME OF THE DEPARTMENT:				HINDI					
NAME OF THE TEACHER: SUBHASH CHAUHAN					CLASS: BSC, BCOM, BA		YEAR: FIRST YEAR		PAPER: GENERAL HINDI SEMESTER-I					
					Curricular activity				Co-Curricular activity					
Sl. No.	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark
6	September 2025	1 st	3/3	आत्म - निर्भरता - पंडित बालकृष्ण भट्ट	हां	कार्यभार	1	हां						
7	September 2025	2 nd	3/3	आत्म - निर्भरता - पंडित बालकृष्ण भट्ट	हां					प्रश्नोत्तर	1	हां		
8	September 2025	3 rd	4/4	मुक्तिधन - मुन्शी प्रेमचंद	हां	संगोष्ठी	1	हां						MID -1 EXAM
9	September 2025	4 th	3/2	मुक्तिधन - मुन्शी प्रेमचंद	हां	कार्यभार				प्रश्नोत्तर	1	हां		
10	September 2025	5 th	0/0	दशहरा अवकाश	हां									

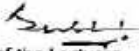

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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN CHIRALA BAPATLA DISTRICT				NAME OF THE DEPARTMENT: HINDI											
NAME OF THE TEACHER: SUBHASH CHAUHAN				CLASS: BSC, BCOM, BA		YEAR: FIRST YEAR		PAPER: GENERAL HINDI SEMESTER: I							
Sl No	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Curricular activity				Co-Curricular activity				Remark	
						Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date		
11	October 2025	1 st	0/0	दशहरा अवकाश	हां										
12	October 2025	2 nd	3/3	व्याकरण लिंग, वचन, कात, विलोम शब्द	हां	कार्यभार	1	हां							
13	October 2025	3 rd	4/4	भारत में संस्कृति संगम - रामधारी सिंह दिनकर	हां				कार्यभार	1	हां				
14	October 2025	4 th	3/3	भारत में संस्कृति संगम हार - मन्नू भंडारी	हां	प्रश्नोत्तर	1	हां							MID - 1 EXAMS
15	October 2025	5 th	3/3	हार - मन्नू भंडारी	हां				संगोष्ठी	1	हां				


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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: GOVERNMENT. DEGREE COLLEGE FOR WOMEN, CHIRALA BAPATLA DISTRICT					NAME OF THE DEPARTMENT: HINDI				PAPER: GENERAL HINDI SEMESTER- I					
NAME OF THE TEACHER:		SUBHASH CHAUHAN			CLASS: BSC, BCOM, BA		YEAR: FIRST YEAR							
					Curricular activity					Co-Curricular activity				
Sl. No	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark
16	November 2025	1 st	1/1	कार्पातपीन शब्दावली - अनुवाद अंग्रेजी से हिंदी - अंग्रेजी	हां					प्रश्नोत्तर	1	हां		
17	November 2025	2 nd	3/3	कार्पातपीन शब्दावली - अनुवाद अंग्रेजी से हिंदी - अंग्रेजी	हां	कार्यभार	1	हां						MID-2 EXAMS
18	November 2025	3 rd	4/4	एच.आई.वी. / एडस - डॉ. प्रकाश भातल बंडे	हां					कार्यभार	1	हां		
19	November 2025	4 th	4/4	एच.आई.वी. / एडस - डॉ. प्रकाश भातल बंडे भूख हड़ताल - श्री बालशौरि रेड्डी	हां	प्रश्नोत्तर	1	हां						
20	November 2025	5 th	4/4	भूख हड़ताल - श्री बालशौरि रेड्डी										


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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2024-2025

NAME OF THE COLLEGE: GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPATLA DISTRICT				NAME OF THE DEPARTMENT: HINDI										
NAME OF THE TEACHER: SUBHASH CHAUHAN				CLASS: BSC, BCOM, BA		YEAR: FIRST YEAR		PAPER: GENERAL HINDI SEMESTER-I						
Sl No.	Month	Week	Hours available	Syllabus topic	Curricular activity				Co-Curricular activity				Remark	
					Additional input / value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted		if no alternate date
21	December 2025	1 st	4/4	व्याकरण - पत्र-लेखन	हां					प्रश्नोत्तर	1	हां		
22	December 2025	2 nd	3/3	पत्र-लेखन - वैयक्तिक पत्र	हां	कार्यभार	1	हां						
23	December 2025	3 rd	4/4	आत्म - निर्भरता	हां					कार्यभार	1	हां		
24	December 2025	4 th	2/3	भारत में संस्कृति संगम	हां	कार्यभार	1	हां						
25	December 2025	5 th	2/2	पुनरीक्षण - Revision										

Signature of the Lecturer

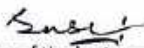
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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT										NAME OF THE DEPARTMENT: HINDI				
NAME OF THE TEACHER: SUBHASH CHAUHAN					CLASS: BSC, BA, BCOM		YEAR: FIRST YEAR		PAPER: II SEMESTER II					
Curricular activity										Co-Curricular activity				
Sl.No	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark
26	January 2026	1 st	2/2	व्याकरण - पत्र-लेखन	हां					प्रश्नोत्तर	1	हां		
27	January 2026	2 nd	3/3	पुनरीक्षण - Revision	हां	कार्यभार	1	हां						
28	January 2026	3 rd	0/0	अवकाश										
29	January 2026	4 th	4/4	AKU SEMESTER END EXAMINATION										
30	January 2026	5 th	3/3	AKU SEMESTER END EXAMINATION										

A curriculum plan for the end of the semester refers to a structured schedule outlining the key learning objectives, assessment, and activities that will be covered in the final weeks of a course, focusing on solidifying key concepts, reviewing material, and preparing


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2025 -26

SEMESTER WISE CURRICULAR PLAN

SEMESTER – II

HINDI – POETRY, LITERATURE,
GRAMMAR & PRAYOJANMULAK

HINDI - II

MR. SUBHASH CHAUHAN
LECTURER IN HINDI

2025 -26

SEMESTER WISE CURRICULAR PLAN

SEMESTER – II

HINDI – POETRY, LITERATURE,
GRAMMAR & PRAYOJANMULAK


HINDI - II


MR. SUBHASH CHAUHAN
LECTURER IN HINDI

COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT				NAME OF THE DEPARTMENT: HINDI										
NAME OF THE TEACHER: SUBHASH CHAUHAN		CLASS: BSC, BA, BCOM		YEAR: FIRST YEAR		PAPER: II SEMESTER II								
				Curricular activity				Co-Curricular activity						
Sl No.	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/ taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark
1	February 2026	1 st	4/4	प्रस्तावना - विषय सूची कबीरदास - साखी दोहे	हां	कार्यभार	1	हां						
2	February 2026	2 nd	4/4	साखी दोहे	हां					प्रश्नोत्तर	1	हां		
3	February 2026	3 rd	4/4	तुलसीदास - दोहे	हां	कार्यभार	1	हां						
4	February 2026	4 th	4/4	तुलसीदास - दोहे सूरदास - बाल वर्णन	हां					प्रश्नोत्तर	1	हां		
5	February 2026	5 th	0/0	सूरदास - बाल वर्णन										

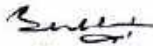

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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT										NAME OF THE DEPARTMENT: HINDI		PAPER: II SEMESTER II		
NAME OF THE TEACHER: SUBHASH CHAUHAN				CLASS: BSC, BA, BCOM		YEAR: FIRST YEAR		Co-Curricular activity						
Sl.No	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark
6	March 2026	1 st	3/4	सूरदास - बत वर्णन	हां	कार्यभार	1	हां						
7	March 2026	2 nd	3/3	हिन्दी साहित्य का इतिहास परिचय	हां					प्रश्नोत्तर	1	हां		
8	March 2026	3 rd	3/3	वज्र विभाजन	हां	कार्यभार	1	हां						MID - I EXAMS
9	March 2026	4 th	3/4	व्याकरण - कारक	हां					प्रश्नोत्तर	1	हां		
10	March 2026	5 th	1/2	संक्षेपण Precise writing	हां	कार्यभार	1	हां						


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COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025 -2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT

NAME OF THE DEPARTMENT:

HINDI

NAME OF THE TEACHER:


SUBHASH CHAUHAN

CLASS:

YEAR:

PAPER: II SEMESTER II

Sl.No	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Curricular activity				Co-Curricular activity				Remark
						Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	
11	April 2026	1 st	3/1	कार्यालयीन पदनाम - अनुवाद अंग्रेजी से हिंदी - अंग्रेजी	हां					प्रश्नोत्तर	1	हां		MID-II EXAMS
12	April 2026	2 nd	3/3	कार्यालयीन पदनाम - अनुवाद अंग्रेजी से हिंदी - अंग्रेजी	हां	कार्यभार	1	हां						
13	April 2026	3 rd	4/3	प्रयोजन मूलक हिन्दी -परिचय सरकारी पत्र परिभाषा एवं पत्र नमूना	हां	संगोष्ठी	1	हां						
14	April 2026	4 th	4/4	सरकारी पत्र परिभाषा एवं पत्र नमूना 1. परिपत्र, 2. ज्ञापन, 3. अधिसूचना	हां					प्रश्नोत्तर	1	हां		
15	April 2026	5 th	3/2	पुनरीक्षण - Revision										


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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025-2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, GIRALA BAPTALA DISTRICT				NAME OF THE DEPARTMENT: HINDI										
NAME OF THE TEACHER: SUBHASHI CHAUHAN				CLASS: BSC, BA, BCOM		YEAR: FIRST YEAR		PAPER: II SEMESTER II						
				Curricular activity				Co-Curricular activity						
Sl No.	Month	Week	Hours available	Syllabus topic	Additional input / value addition provided/taught	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remark
16	May 2026	1 st	0	AKU SEMESTER END EXAMINATION										01.05.26 TO 14.05.26
17	May 2026	2 nd	0	AKU SEMESTER END EXAMINATION										
18	May 2026	3 rd	0	COMMUNITY SERVICE PROJECT (SIX WEEKS)										15.05.26 TO 28.06.26
19	May 2026	4 th	0	अवकाश										
20	May 2026	5 th	0	SUMMER VACATION										

A curriculum plan for the end of the semester refers to a structured schedule outlining the key learning objectives, assessment, and activities that will be covered in the final weeks of a course, focusing on solidifying key concepts, reviewing material, and preparing


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : <u>BA</u>		Year : <u>II</u> Semester : <u>III</u>		Paper : <u>Indian Constitution</u>										
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	<u>JULY 2024</u>													
	<u>1st week</u>	<u>04</u>	<u>MODULE 1: Constitution</u> <u>Constitution: Meaning</u> <u>Definition and origin</u>		<u>Assignm</u> <u>ent</u>	<u>01</u>								
	<u>2nd week</u>	<u>04</u>	<u>Evolution of Constitution</u> <u>Regulating Act, 1773, Pitts</u> <u>India Act 1784, Charter</u> <u>Acts 1813, 1833, 1853</u> <u>Indian Council Acts, 1858</u> <u>1861, 1892</u>		<u>Student</u> <u>Seminar</u>	<u>01</u>								
	<u>3rd week</u>	<u>04</u>	<u>Classification of the</u> <u>Constitution: Written and</u> <u>Unwritten</u>		<u>Group</u> <u>Discussion</u>	<u>01</u>								
	<u>4th week</u>	<u>04</u>	<u>Classification of Constitu</u> <u>tions: Rigid and Flexible</u>											
	<u>AUGUST 2025</u>													
	<u>1st week</u>	<u>04</u>	<u>MODULE 2: Ideological Base</u> <u>of Indian Constitution</u> <u>Constitutional Development</u> <u>in India during British</u> <u>Rule</u>		<u>Student</u> <u>Seminar</u>	<u>01</u>								
	<u>2nd week</u>	<u>04</u>	<u>Minto- Morley Reforms, 1909</u> <u>Montague - Chelmsford</u> <u>Reforms - 1919</u>		<u>Assignm</u> <u>ent</u>	<u>01</u>			<u>Independence</u> <u>Day</u>					
	<u>3rd week</u>	<u>04</u>	<u>Government of India Act, 1935</u> <u>MODULE 3: Features of</u> <u>Indian Constitution</u> <u>Constituent Assembly:-</u> <u>Nature, Composition</u> <u>Constituent Assembly:</u> <u>Socio - Economic, Philosophical</u> <u>Dimensions</u>		<u>Group</u> <u>Discussion</u>	<u>01</u>								
	<u>4th week</u>	<u>04</u>	<u>Indian Constitution: Preamble</u> <u>Indian Constitution:</u> <u>Salient Features</u>		<u>Assignm</u> <u>ent</u>	<u>01</u>								
	<u>September 2025</u>													
	<u>1st week</u>	<u>04</u>	<u>MODULE 4: Rights and Duties</u> <u>Fundamental Rights</u>											

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : <u>II BSc</u>			Year : <u>II</u> Semester : <u>III</u>		Paper : <u>Introduction to Public Administration</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date		
	July 2025													
	1st week	02	UNIT-I											
			Introduction to Public Administration		Student seminar	01								
	2nd week	02	Woodrow Wilson - Definition and nature and scope of Public Administration		Assignment	01								
	3rd week	02	Significance of Public Administration											
	4th week	02	Distinction between Public and Private Administration		Quiz	01								
	August 2025													
	1st week	02	UNIT-II											
			All India Services - Central Services, State Services		Student seminar	01								
	2nd week	02	Importance of All India Services UPSC and SPSC's		Assignment	01			Independence Day					
	3rd week	02	Powers and Functions of NITI - Aayog											
	4th week	02	Powers and Functions of UPSC and SPSC		Group discussion	01								
	September 2025													
	1st week	02	UNIT-III											
			Accountability of Administration in India		Student seminar	01								
	2nd week	02	Legislative, Executive Judiciary accountability of Administration in India											
	3rd week	02	Judicial Activism		Quiz	01								
	4th week	02	e-Governance in India Good Governance Initiatives											
	October 2025													
	1st week		Dussehra											

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : <u>II B.A</u>			Year : <u>II</u> Semester : <u>IV</u>		Paper : <u>3: INDIAN GOVERNMENT</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	December 2025													
	1st week	04	UNIT - I: President and Parliament											
			President of India: Mode of Election and Impeachment		Student seminar	01								
			President of India: Powers and Functions		Assignment	01								
	2nd week	04	Parliament: Composition - Lok Sabha and Rajya Sabha											
	3rd week	04	Parliament: Powers and Functions											
	4th week	04	Unit - II: Prime Minister and Council of Ministers											
			Prime Minister: Powers and Functions		Quiz	01								
	January 2026													
	1st week	04	Prime Minister: Role in Coalition Politics		Assignment	01								
	2nd week	02	Council of Ministers: Powers and Functions											
	3rd week	04	Legislative committees: Public Accounts Committee, Estimates committee, CPE		Group Discussion	01								
	February 2026													
	1st week	04	Unit - III: State Executive											
			Governor: Powers and Functions		Student seminar	01								
			Governor: Role											
	2nd week	04	Legislature: Composition - Legislative Council and Legislative Assembly											
			Legislature - Powers and Functions		Assignment	01								
	3rd week	04	Unit - IV: State Executive											
			Chief Minister: Powers and Functions		Group discussion	01								
			Council of Ministers: Powers											

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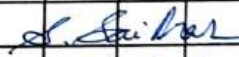
Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : IT B.A Year : II Semester : IV Paper : INDIAN GOVERNMENT

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
			and Functions											
	4th week	04	Business Advisory Committee		Quiz	01								
			Standing committees											
	March 2026													
	1st week	04	Unit-V: Judiciary											
			Supreme Court: Composition		Student Seminars	0.1								
			Supreme Court-Appointments Powers and Functions											
	2nd week	04	Judicial Review, Judicial Activism		Assignment	01								
			National Judicial Appointments Commission and Judicial Reforms											

3rd week 04 REVISTION


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 Signature of Lecturer

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : <u>ITB-A</u>		Year : <u>II</u> Semester : <u>IV</u>		Paper : <u>Dynamics of Indian Political System</u>																
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks							
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date								
	<u>December 2025</u>																			
	<u>1st week</u>	<u>01</u>	<u>Unit I: Social Dynamics</u>																	
			<u>• Role of Caste</u>		<u>Student seminar</u>	<u>01</u>														
			<u>• Role of Religion</u>		<u>Assignment</u>	<u>01</u>														
	<u>2nd week</u>	<u>01</u>	<u>• Role of language</u>																	
			<u>• Social media and politics</u>		<u>Quiz</u>	<u>01</u>				<u>World Human Rights Day</u>										
	<u>3rd week</u>	<u>01</u>	<u>Unit-II: Social Dynamics</u>																	
			<u>• Politics of Reservation</u>																	
			<u>• Criminalization of Politics</u>																	
	<u>4th week</u>	<u>02</u>	<u>Regionalism in India.</u>		<u>Assignment</u>	<u>01</u>														
	<u>January 2025</u>																			
	<u>1st week</u>	<u>01</u>	<u>Internal threats to security</u>		<u>Group Discussion</u>	<u>01</u>														
			<u>Unit-III: Regulatory Institutions</u>																	
			<u>• NITI Aayog</u>																	
	<u>2nd week</u>	<u>01</u>	<u>• Finance Commission</u>		<u>Assignment</u>	<u>01</u>				<u>National Voters Day</u>										
			<u>• Comptroller and Auditor General of India.</u>																	
	<u>3rd week</u>	<u>01</u>	<u>Central Vigilance Commission</u>		<u>Student seminar</u>	<u>01</u>				<u>Republic Day celebrations</u>										
			<u>Unit-IV: Governing Mechanisms</u>																	
			<u>Central Information Commission</u>		<u>Group Discussion</u>	<u>01</u>														
	<u>February 2025</u>																			
	<u>1st week</u>	<u>01</u>	<u>Lokpal</u>																	
			<u>Lok Ayukta</u>																	
	<u>2nd week</u>	<u>01</u>	<u>Right to Information Act, 2005</u>		<u>Assignment</u>	<u>01</u>														
			<u>Unit-V: Civil Services</u>																	
	<u>3rd week</u>	<u>01</u>	<u>UPSC: Powers and Functions</u>		<u>Group Discussion</u>	<u>01</u>														
			<u>Neutrality and integrity of Civil Services: All India Services</u>																	
	<u>4th week</u>	<u>01</u>			<u>Assignment</u>	<u>01</u>														

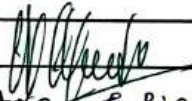
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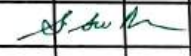
ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : R. Sri Prasanna Name of the Department : Political Science

Class : II B.A., II B.Com Year : II Semester : IV Paper : INTRODUCTION TO GEOGRAPHY cmce

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	December 2025													
	1st week	09	<u>Unit 1:</u>											
			Introduction, Definition											
			Scope, Importance of Geography		Student seminar	1			World Human Rights Day					
	2nd week	09	Geography Tools and Methods		Assignm - ext	1								
	3rd week	09	Five Themes of Geography		Quiza	1								
			Structure and Composition of Earth											
	January 2026		<u>Unit 2:</u>											
	1st week	02	Plate Tectonics and Continental Drift - landforms		Group discussion	1								
	2nd week	02	Hydrosphere - Climate and weather Patterns						National Voters Day					
	3rd week	02	Ecosystem and Biodiversity Distribution and Depletion of Natural resources		Student Seminar	01								
	February 2026		<u>Unit 3:</u>											
	1st week	09	Population Distribution and Growth		Student Seminars	1								
	2nd week	02	Cultural landscapes and Cultural Diffusion -											
	3rd week	02	Language, Religion and Ethnicity		Quiza	1								
	March 2026													
	1st week	02	Urban and Rural landscapes and Cultural Diffusion		Group Discussion	1								
	2nd week	02	migration and Urbanization											
	3rd week		Globalisation and its Impacts											
			REVISION											


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ANNUAL ACADEMIC CURRICULAM PLAN 2024-2025

Name of the Lecturer : Smt. N. JAYASREE

Name of the Department : MATHEMATICS

Class : II BSC (Minor) Year : 2025 (Sem III - IV) Paper : Numerical Analysis

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional / Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
02	Week-2	05	Properties of difference and Shift operators. E, A, V, S, K.	Matlab								Core guidance given	
02	Week-3		Pongal Holidays										
01	Week-4	06	Fundamental theorem of difference Calculus and related problems.	Homogen	Assignment	02	Conducted					Republic Day celebrated.	
01	February Week-1	05	Interpolation with equal intervals - Newton Gregory		Mid-1								
02	Week-2	06	forward, backward P.P Gauss forward backward		GDs	01						Guest lecture.	
03	Week-3	06	Stirling's, Bessel's Everett's formula.		Study								
04	Week-4	05	On equal intervals		Seminar								
			Divided difference and their properties - Method of Interpolation with Unequal intervals - Newton's divided difference and Lagrange's formula	Sudoku Solving								National Science Day	
01	March Week-1	05	Numerical Differentiation: Determination of first and second order derivatives using Newton forward and backward P.P formula.		Assignment							International Women's Day	
02	Week-2	05	Gauss forward, backward Stirling's, Bessel's and Newton's divided diff formula	problem Solving	Mid-2							Pi-Day celebration	
02	Week-3	06	Numerical Integration: General Quadrature formula for equidistant ordinata, Trapezoidal rule, Simpson's 1/3 and 2/3 rule and Weddle's rule.	Short Cut method	Study Seminar								
04	Week-4	05	Revision and Remedial Coaching class		Semester End Examination							14/4/2025 to 11/4/2025	

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ANNUAL ACADEMIC CURRICULAM PLAN 2024-2025

Name of the Lecturer : Smt. N. JAYASREE

Name of the Department : MATHEMATICS

Class : I BSC (HONOR) Year 2024-2025 (Semester - I) Paper : Differential Equations

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
4.	Week-4	05	Solns of Non Homog LDEs With Constant Coefficients $f(x)y = Q(x)$ when $Q(x) = bx^k, e^{ax}, e^{inx}$, Pufflu where V is a function of x											
1.	April Week-1	4	Higher order L.D.Es-III Linear diff Equations with non-constant Coefficients: Cauchy-Euler Equation	Publu										
2.	Week-2	5	Legendre linear differential Equation	Publu										
3.	Week-3	2	Method of variation of parameters											
4.	Week-4	5	Revision and Remedial Coaching class											

27/4/2025 to 8/5/2025 Semester end Examination.

N. Jayasree
11/1/2025
Lecturer
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01/01/25
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Class : <u>I BSC (HONOR)</u>		<u>Abstract Algebra</u>		<u>Semester - 3</u>		<u>2025-26</u>	
July							
1.	Week-1	04	Binary operation - Algebraic Structure - Semi group				
2.	Week-2	05	Monoid - Group defn and properties - Finite and Infinite groups - example - graph			GDS	01 Conducted
3.	Week-3	05	Order of a group. Composition Table with example.	Assignments	01	Conducted	SASA Program
4.	Week-4	05	Theorems in Order of an element of a group	Homily Test	01	Conducted	
1.	August Week-1	05	Subgroups - Unit - ii Complex defn - subgroup defn & example - Criteria for a Complex to be a Subgroup. product of			Student Seminar	01

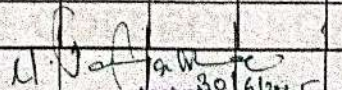
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ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026.

Name of the Lecturer : Smt. N. JAYASREE

Name of the Department : MATHEMATICS

Class : <u>II BSc (Computer - Major)</u>		Year : <u>2025-26 (Semester - 3)</u>		Minor Paper - 2 Paper : <u>Abstract Algebra - Minor</u>				Remarks					
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	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	
			two subgroups to be a subgroup.										
2.	Week-2	04	Union and Intersection of two subgroups Co-Sch and Lagrange's thm: Short defn - properties of Cosets - index of a G. Lagrange's thm method	Short	Monthly	01		GDS	01				
3.	Week-3	05	Normal Subgroups - Unit-3 Defn - proper and improper Normal Subgroups - Criteria for a subgroup to be Normal Intersection of two Normal Subgroups	Assign		01				Independence my celebration			
4.	Week-4	05	Subgroup of index 2 is a normal subgroup - Criteria for the existence of a quotient group.	Students									
1.	September Week-1	05	Homomorphisms - Unit-4 Defn - Img of a Homomorphism - Isomorphism - Automorphism - properties	Seminar		01				Teachers my celebration			
2.	Week-2	05	Kernel of Homomorphism - Fundamental thm on Homomorphism and application. permutations and cyclic groups - Unit-4 Defn, permutation multiplication inverse of perm - Cyclic permutation	Study	Monthly	01		GDS	01				
3.	Week-3	05	Transposition - Even & odd perm - Cayley's thm. Cyclic group defn - classification										
4.	Week-4	Dakshina Holidays						Students	01				
1.	October Week-1	05	Rings - Unit-5 Defn and properties Boolean Rings Integral Domain DRS and Fields - Characteristic subrings and Ideals	Monthly		01		Seminar					


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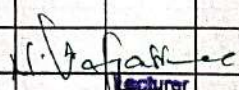
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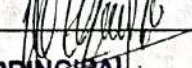
Name of the Lecturer : Smt. LI. JAYASREE

Name of the Department : MATHEMATICS

Class : B.Sc (Computer and Chemistry Major) Year : 2025-2026 Course - 1 Paper : Essentials in Mathematical Science

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
1.	August Week-1	2	Complex numbers Introduction of the Symbol i General form of a Complex Number	Net									
2.	Week-2	2	Addition, multiplication and equality of complex numbers		Bridge	01							Independence Day celebration
3.	Week-3	2	Argument and Mod amplitude of a Complex Number		Course								
4.	Week-4	2	Mod amplitude form & Conversion										
1.	September Week-1	2	<u>Trigonometric Ratios :-</u> Trigonometric ratios		Assign	01							Teachers day celebration
2.	Week-2	2	Trigonometric relations		men 5								
3.	Week-3	2	problem on Calculating angles										
4.	Week-4	2	Dasara Holidays										
1.	October Week-1	2	<u>Vectors :-</u> Defn of vector - Vector Addition		Mid-1								
2.	Week-2	2	Cartesian form										
3.	Week-3	2	Scalar product - problems										
		2	Vector product - problems										
4.	Week-4	2	Problems-Solving Session	Net									
1.	November Week-1	2	Statistical Measures	Material									
2.	Week-2	2	Mean - Problems										
3.	Week-3	2	Median - problems										
4.	Week-4	2	Mode of a data - problems										
1.	December Week-1	1	Revision class		Mid-2	01							
2.	Week-2	1	"										
3.	Week-3	1	"										
4.	Week-4	1	"										
1.	January Week-1	1	Revision class										
T.B.Sc (Semester - I) 2025-26					Course - 2 - Advancing in Basic Mathematics								
1.	August	4	Limits and Integration Standard limits - Derivatives of a function - Mono										
2.	September	4	problems on product and quotient rule - Chain rule.		Assign	01							Teachers day celebration


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Smt. M. JAYASREE

Name of the Department : MATHEMATICS

Class : I BSC (Computer & Chemistry Major) Year : 2025

Paper : Course-2 & Analytical Skills

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
03	October	05	Integration: Integration as a reverse process of differentiation		Mid-1	01				GDs	01		
04	November	04	Matrix: Types of Matrix - Multiplication of Matrix - Transpose of a Matrix	Material	Monthly Test	01				Seminar	01		
05	December	03	Determinant of a Matrix Inverse of a Matrix - Cramer's Rule		Mid-2	01							
06	January	02	Revision Class										
01	August	08	Arithmetic Ability: Algebraic operation -										
			BODMAS - Fraction - Divisibility rule										
02	September	06	LCM, GCD & HCF										
02	October	08	verbal Reasoning: Number Series - Coding & Decoding, Blood Relation, Clock and Calendar problem		Monthly Test	01				GDs	01		
04	November	08	Quantitative Aptitude: Average, Ratio & proportion problems on ages, time, Distance, Speed - Time, Percentage, profit & loss, partnerships and Simple, Compound Interest	Material	Assignments	01				Study Seminar	01		
05	December	06	Data Interpretation: Tabulation, Bar, pie and line graphs: Venn - Diagrams		Monthly Test	01							
06	January	02	Revision Class										

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M. Jayasree
Lecturer
29-11-2025

M. Jayasree
PRINCIPAL

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Smt. N. JAYASREE

Name of the Department : MATHEMATICS

Class : I B-SC (Minor)

Year : 2025

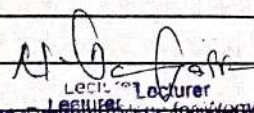
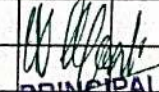
Paper : 3(Ring theory) Paper: 4(Real Analysis)

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided/	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
01	Week-03 November	03	Rings and Fields. Defn of a ring and Examples. Basic properties - Boolean rings										
02	Week-04	05	Fields - zero divisors and Cancellation law - Integral Domains - Division ring			Guest Lectur	01	Conducte					
03	December Week-1	05	Characteristic of a ring Integral domain and fields related theorems.	Pluggly					GDS	01	Conducte		
04	Week-2	05	Subrings and Ideals: Defn and examples of subrings - N.S condition for b -subset to be a subring. Algebra of subrings. Centre of a ring. Two sided ideals: Algebra of Ideals		Essay Homograp Writing Compos		01	Conducte					
05	Week-3	05	Principal Ideals and Quotient Rings - defn of a principal ideal ring - every field is a P.I.D. Ring of Integers is a P.I.D.		essays Compositi		01	Conducte	Maths Kathas Day	02	Condu- cted.		
06	Week-4	02	Examples of a ring which is not P.I.D. - Cases.										
07	January Week-1	05	Algebra of Cosets - Quotient rings - Construction of Composision table for finite quotient rings of the ring \mathbb{Z}_n .		Assign- ment 5				GDS	01	Conducte		
08	Week-2	05	Homomorphism of Rings: Defn and elementary propertys - Kernel of Homp. Theorems and problems.	Short Cuts					Student Seminar	02	Arranged		
09	Week-3	Pongal Vacation ←											
10	Week-4	05	Isomorphism of rings Fundamental theorem of homomorphism of Rings. principal Ideals Prime fields Ideals.		Mid-2 exam		01	Conducte					

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA ANNUAL ACADEMIC CURRICULAM PLAN 20 -20

Name of the Lecturer : _____ Name of the Department : _____

Class : _____ Year : _____ Paper : _____

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
11	January Week-1	05	Maximal and Prime Ideals. Related theory and Definitions.							60s	01	Conduct	
12	Week-2	05	Rings of polynomials. Sum and product of polynomials. $R[x]$ is an I.D of R and I.D of F is a field. $F[x]$ need not be a field of F is a field.	Assignments	02	Conduct							
13	Week-3	05	Division Algorithm. Factorization of polynomials & irreducible polynomials. Every field is an Euclidean ring.	Short-cuts						Student Seminar	01	Conduct	
14	Week-4	05	Ideal Structure in $F[x]$. Unique factorization in $F[x]$. Every field is an Euclidean ring. I can E.R. Every Euclidean ring is a PIR.	publish	Assignments	02	Conduct			National Science Day			
15	March Week-1	06	Revision classes										
16	Week-2	06	Remedial Coaching Classes										
 Lecturer Y.A. Govt. Degree College for Women Chirala - 523155				 PRINCIPAL Y.A. Govt. College for Women CHIRALA, Bapatla Dist., (A.P.)									
II M.Sc Semester - 4 2026 Paper - 4 Real Analysis													
01	November Week-5	03	Real numbers, Real Sequences. Sequences and their limits. Range and Boundedness of a sequence. Limit of a Sequence.	lect									
02	Week-4	05	Convergence of a Sequence. The Cauchy Criterion. Properly divergent Sequence. Monotone Sequence - Increasing and decreasing Sequence.	Guest lecture	01	Conduct				60s	01	Conduct	

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 20 -20

Name of the Lecturer : _____

Name of the Department : _____

Class : _____			Year : _____			Paper : _____					Remarks	
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity			
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted		Whether Conducted
03	December Week-01	05	N&S Condition for convergence of a monotone sequence subsequence and Bolzano-Weierstrass thm. Cauchy sequence. Cauchy general principle of convergence.	Not	Assign-ments	02	Conduct					
			Infinite series Introduction to Series: Convergence of a series. Cauchy general principle of convergence of series.		Elective	01	Conduct					
			Series of nonnegative terms P-test, Geometric Series, Cauchy's n th root test.		Competition			Student & Minors	01	Conduct		
			D'Alembert's test, Alternating series- Leibnitz's test.	short cuts								
06	Week-06	02	limit Comparison test. Comparison test of 1 st & 2 nd type.									
07	January Week-01	05	Limits and Continuity. Real valued functions - Boundedness of a function. Limits of functions.									
08	Week-02	05	Infinite limits. Limits at infinity. Continuous functions.	paper				Student	01	Conduct		
09	Week-03		Periodical Vacation.									
10	Week-04	05	Continuity functions on intervals - Uniform Continuity.		Quiz	01	Conduct					
11	February Week-01	05	Differentiation and Mean Value Theorem.	Manograph				Student	01	Conduct		
			Derivability of a function at a point and Interval. Derivability and Continuity of a function. Mean Value theorem.					Student				

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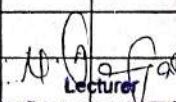
ANNUAL ACADEMIC CURRICULAM PLAN 20 -20

Name of the Lecturer : _____

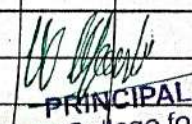
Name of the Department : _____

Class : _____ Year : _____ Paper : _____

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
12.	Week-02	05	Rolle's theorem, Lagrange's thm, Cauchy Mean Value theorem	Net										
				Katrina	Mini	01	Conduct		Student Seminar					
13.	Week-03	05	Riemann Integration Darboux theorem - N&S Condition for R-integrability properties of integrable functions.											
					Assign- ments				QDS	01	Conduct			
14.	Week-04	05	Fundamental thm of Integral Calculus. First mean value theorem	Monograph										
									Scienc Day (National)					
15.	Hardly Week-01	06	Revision class											
16.	Week-02	06	Remedial Coaching class											


 Lecturer

Y.A. Govt. Degree College for Women
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CHIRALA, Bapatla Dist., A.P.

**ANNUAL CURRICULAR PLAN
2025 - 2026
SEMESTER - IV
MICROBIAL PHYSIOLOGY AND METABOLISM**



K. ROHINI YADAV

LECTURER IN MICROBIOLOGY



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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025 - 2026

NAME OF THE COLLEGE : Y.A GOVERNMENT DEGREE COLLEGE FOR WOMEN'S CHIRALA, BAPATLA DIST					NAME OF THE DEPARTMENT:					MICROBIOLOGY				
NAME OF THE LECTURER :			K. ROHINI YADAV		CLASS : B.Sc			YEAR : SECOND YEAR			PAPER : IV SEMESTER			
Sl.No	Month	Week	Hour available	SYLLABUS/TOPIC	Curricular activity					Co-curricular Activity				
					Additional input/value addition	Activity Conducted	Hours Allotted	Whether conducted	If no alternate date	Activity Conducted	Hours Allotted	Whether conducted	If no alternate date	
1	November 2025	1st	5	AKU Semester Examinations										
2	November 2025	2nd	5	Semester Examination										
3	November 2025	3rd	5	Nutritional requirements of Microorganisms, Methods of uptake of nutrients by cells- Primary and secondary active transport, concept of uniport, symport and antiport Group translocation; Iron uptake	Diagrammatic representation	Lecture lab	4			Assignments	1			
4	November 2025	4th	5	Growth media - synthetic and nonsynthetic, selective, enrichment and differential media	Experimental representation	Lecture lab	4			Group discussion	1			
5	November 2025	5th	5	Microbial growth - definition of growth, generation time and specific growth rate;	Diagrammatic representation	Lecture lab	4			Seminar	1			

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G. Ratna Rani

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NAME OF THE COLLEGE : Y.A GOVERNMENT
DEGREE COLLEGE FOR WOMEN'S CHIRALA, BAPATLA
DIST

NAME OF THE DEPARTMENT: - MICROBIOLOGY

Name of the Lecturer : K. ROHINI YADAV

CLASS : B.Sc

YEAR : SECOND YEAR

PAPER : IV
SEMESTER IV

Sl. No	MONTH	Week	Hours available	SYLLABUS/TOPIC	Curricular activity					Co-curricular Activity				Remarks	
					Additional input/value addition	Activity conducted	Hours Available	Whether Conducted	If no alternate date	Activity conducted	Hours available	Whether conducted	If no alternate date		
6	December 2025	1st	5	Different phases of growth in batch culture. Synchronous, continuous, biphasic growth		Lecture lab	4				Seminar	1			
7	December 2025	2nd	5	Factors influencing Microbial growth. Methods of measuring microbial growth - Direct microscopy		Lecture lab	4				Quiz	1			
8	December 2025	3rd	5	Viable count estimates, turbidimetry and biomass. Thermodynamics in biological systems - concept of Free energy,		Lecture lab	4				Assignments	1			
9	December 2025	4th	5	Enthalpy, standard free Energy change of reaction, Entropy. First and Second law of Thermodynamics. Open and closed system.		Lecture lab	4				Group discussion	1			

K. Rohini Yadav
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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025 - 2026

NAME OF THE COLLEGE : Y.A GOVERNMENT DEGREE COLLEGE FOR WOMEN'S CHIRALA, BAPATLA DIST **NAME OF THE DEPARTMENT: - MICROBIOLOGY**

Name of the Lecturer : K. ROHINI YADAV **CLASS : B.Sc** **YEAR : SECOND YEAR** **PAPER : IV SEMESTER IV**

Sl. No	Month	Week	Hour available	Syllabus Topic	Curricular activity					Co-curricular Activity				
					Additional Input/value addition	Activity conducted	Hours available	Whether conducted	If no alternate date	Activity conducted	Hours available	Whether conducted	If no alternate date	Remarks
10	January 2026	1st	5	Structure and properties of ATP, standard free Energy change of hydrolysis of ATP and other high energy compounds.	Offline explanation	Lecture lab	4			Seminar	1			
11	January 2026	2nd	5	Biological oxidation - reduction reactions. Structure and function of NAD and FAD. Breakdown of carbohydrates.	Youtube videos explanation	Lecture lab	4			Quiz	1			
12	January 2026	3rd	5	Glycolysis pathways - EMP,HMP stunt/ pentose phosphate pathway and ED;TCA cycle.	Diagrammatic representation	Lecture lab	4			Assignments	1			
13	January 2026	4th	5	Aerobic respiration - ETS and Oxidative phosphorylation. Anaerobic respiration, chemoautotrophy - Oxidation of inorganic compounds - N, S, Fe and H	Diagrammatic chart representation	Lecture lab	4			Group discussion	1			

Signature of Lecturer *K. Rohini Yadav*

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NAME OF THE COLLEGE : Y.A GOVERNMENT DEGREE COLLEGE
FOR WOMEN'S CHIRALA, BAPATLA DIST

NAME OF THE DEPARTMENT: - MICROBIOLOGY

Name of the Lecturer : K. ROHINI YADAV

CLASS : B.Sc

YEAR : SECOND
YEAR

PAPER : IV
SEMESTER IV

S.no	Month	Week	Hours available	Syllabus Topic	Curricular activity				Co-curricular Activity				Remarks		
					Additional input/value addition	Activity conducted	Hours available	Whether conducted	If no alternate date	Activity conducted	Hours available	Whether conducted		If no alternate date	
14	February 2026	1st	5	Fermentative modes in Microbiology with special reference to alcoholic, lactic acid fermentations	Youtube videos explanation	Lecture lab	4				Seminar	1			
15	February 2026	2nd	5	Photosynthetic pigments, photosynthetic apparatus in prokaryotes	Diagrammatic representation	Lecture lab	4				Quiz	1			
16	February 2026	3rd	5	Outline of oxygenic photosynthesis in bacteria . Outline of anoxygenic photosynthesis in bacteria.	Offline explanation	Lecture lab	4				Youtube video	1			
17	February 2026	4th		Revision classes		Lecture	5								

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K. Rohini Yadav

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NAME OF THE COLLEGE : Y.A GOVERNMENT DEGREE COLLEGE FOR WOMEN'S CHIRALA, BAPATLA DIST

NAME OF THE DEPARTMENT: - MICROBIOLOGY

Name of the Lecturer : K. ROHINI YADAV CLASS : B.Sc YEAR : SECOND YEAR PAPER : IV SEMESTER IV

S.no	Month	Week	Hours available	Syllabus Topic	Curricular activity					Co-curricular Activity				Remarks
					Additional input/value addition	Activity conducted	Hours available	Whether conducted	If no alternate date	Activity conducted	Hours available	Whether conducted	If no alternate date	
17	March 2026	1st	5	Revision classes. Sliptests										
18	March 2026	2nd	5	Revision										
19	March 2026	3rd		AKU semester end examination										
20	March 2026	4th		Semester examination										

Signature of Lecturer *K. Rohini Yadav*

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**ANNUAL CURRICULAR PLAN
2025 - 2026
SEMESTER - IV
Molecular Biology and Microbial Genetics**



K. ROHINI YADAV

LECTURER IN MICROBIOLOGY



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NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT				NAME OF THE DEPARTMENT: MICROBIOLOGY										
NAME OF THE LECTURER : K. ROHINI YADAV				CLASS: B.Sc		YEAR: SECOND YEAR		PAPER: III SEMESTER IV						
				Curricular activity				Co-Curricular activity						
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input / value addition	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remarks
1	November 2025	1st	5	AKU 3rd SEM examination										
2	November 2025	2nd	5	Examinations										
3	November 2025	3rd	5	Experimental evidences that established DNA and RNA as genetic material. Genome organization in prokaryotes and eukaryotes.	ppt, diagrammatic representation	Lecture Lab	4			Assignments	1			
4	November 2025	4th	5	1.2 Replication of DNA in prokaryotes.: Bidirectional and unidirectional replication, Semiconservative replication, Proof of Semiconservative replication (Messelson -Stahl Experiment).	Offline explanation	Lecture lab				Group discussion	1			

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NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT					NAME OF THE DEPARTMENT: MICROBIOLOGY									
NAME OF THE LECTURER : K. ROHINI YADAV					CLASS: B.Sc		YEAR: SECOND YEAR		PAPER: III SEMESTER IV					
Sl.No	Month	Week	Hours available	Syllabus topic	Additional input / value addition	Curricular activity				Co-Curricular activity				Remark
						Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	
6	December 2025	1 st	5	Mechanism of DNA Replication in Prokaryotes: step by step process, Enzymes and factors involved in replication- Primase, Helicase, Gyrase, DNA polymerases, DNA ligase, SSB proteins	Diagrammatic representation	Lecture lab	4			Seminar	1			
7	December 2025	2 nd	5	Extra chromosomal genetic elements: General characters, types and applications of Plasmids and transposons	Diagrammatic representation	Lecture lab	4			Group discussion	1			
8	December 2025	3 rd	5	Classical Concept of gene: Muton, Recon and Cistron; One gene-one enzyme and one gene - one polypeptide and One gene - One Product hypotheses.	ppt, diagrammatic representation	Lecture lab	4			Quiz	1			
9	December 2025	4 th	5	Modern concept of gene: Definition of gene; Open reading frame; structural, constitutive and regulatory genes; uninterrupted genes, Split genes- concept of introns and exons.	Youtube video representation	Lecture lab	4			Assignment	1			

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NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT					NAME OF THE DEPARTMENT: MICROBIOLOGY								
NAME OF THE TEACHER: K. ROHINI YADAV					CLASS: B.Sc		YEAR: SECOND YEAR		PAPER: III SEMESTER IV				
				Curricular activity					Co-Curricular activity				
Sl.No	Month	Week	Hours available	Syllabus topic	Additional input / value addition	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date
11	January 2026	1 st	5	Protein synthesis in Prokaryotes: Transcription- Definition, difference from replication, promoter, RNA Polymerase, mechanism of transcription. RNA splicing in eukaryotes;	Offline explanation and youtube videos	Lecture lab	4			Seminar	1		
12	January 2026	2 nd	5	Translation- Charging of tRNA, aminoacyl tRNA synthetases, Mechanisms of initiation, elongation and termination of polypeptides. Inhibitors of protein synthesis	Diagrammatic representation	Lecture lab	4			Quiz	1		
13	January 2026	3 rd	5	.Genetic code: Salient features, Wobble hypothesis. Regulation of gene expression in bacteria – lac operon	Ppt youtube representation	Lecture lab	4			Assignment	1		
14	January 2026	4 th	5	Mutations: Definition and types of Mutations (Spontaneous and induced, Somatic and germline); Physical and chemical mutagens; uses of mutations	Diagrammatic representation	Lecture lab	4			Group discussion	1		
15	January 2026	5 th	5	Molecular basis of mutations (base pair changes, frame shifts, deletions, inversions, tandem duplications, insertions); Functional mutants (loss and gain of function mutants);	Black board	Lecture	4			Seminar	1		

Signature of the Lecturer
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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025 - 2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT					NAME OF THE DEPARTMENT: MICROBIOLOGY									
NAME OF THE LECTURER : K. ROHINI YADAV					CLASS: B.Sc		YEAR: SECOND YEAR		PAPER: III SEMESTER IV					
					Curricular activity					Co-Curricular activity				
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input / value addition	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date	Remarks
16	February 2026	1 st	5	Outlines of DNA repair mechanism: Direct repair, Excision repair, Mismatch repair, Recombination repair, SOS Repair	Diagrammatic representation	Lecture lab	4			Seminar	1			
17	February 2026	2 nd	5	Conjugation - discovery, F-factor, F+ & Hfr, mechanism of conjugation, application of conjugation	Diagrammatic representation	Lecture lab	4			Quiz	1			
18	February 2026	3 rd	5	Transformation - discovery, mechanism of transformation, competence factors affecting transformation and application of transformation.	Diagrammatic representation	Lecture lab	4			Group discussion	1			
19	February 2026	4 th	5	Transduction - discovery, mechanism and types of transformation.	PPT, youtube videos	Lecture lab	4			Assignment	1			

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PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE) 2025 - 2026

NAME OF THE COLLEGE: YA GOVERNMENT DEGREE COLLEGE FOR WOMEN, CHIRALA BAPTALA DISTRICT				NAME OF THE DEPARTMENT: MICROBIOLOGY									
NAME OF THE LECTURER: K. ROHINI YADAV				CLASS: B.Sc		YEAR: SECOND YEAR		PAPER: III SEMESTER IV					
Sl.No.	Month	Week	Hours available	Syllabus topic	Additional input / value addition	Curricular activity				Co-Curricular activity			
						Activity conducted	Hours allotted	Whether conducted	if no alternate date	Activity conducted	Hours allotted	Whether conducted	if no alternate date
21	March 2026	1 st	5	Revision									
22	March 2026	2 nd	5	Revision									
23	March 2026	3 rd		Revision									
24	March 2026	4 th		SEMESTER END EXAMINATION									
25	March 2026	5 th		SEMESTER END EXAMINATION									

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ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : <u>BA</u>		Year : <u>II</u> Semester : <u>III</u>		Paper : <u>Indian Constitution</u>										
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	<u>JULY 2024</u>													
	<u>1st week</u>	<u>04</u>	<u>MODULE 1: Constitution</u> <u>Constitution: Meaning</u> <u>Definition and origin</u>		<u>Assignm</u> <u>ent</u>	<u>01</u>								
	<u>2nd week</u>	<u>04</u>	<u>Evolution of Constitution</u> <u>Regulating Act, 1773, Pitts</u> <u>India Act 1784, Charter</u> <u>Acts 1813, 1833, 1853</u> <u>Indian Council Acts, 1858</u> <u>1861, 1892</u>		<u>Student</u> <u>seminar</u>	<u>01</u>								
	<u>3rd week</u>	<u>04</u>	<u>Classification of the</u> <u>Constitution: Written and</u> <u>Unwritten</u>		<u>Group</u> <u>Discussion</u>	<u>01</u>								
	<u>4th week</u>	<u>04</u>	<u>Classification of Constitu</u> <u>tions: Rigid and Flexible</u>											
	<u>AUGUST 2025</u>													
	<u>1st week</u>	<u>04</u>	<u>MODULE 2: Ideological Base</u> <u>of Indian Constitution</u> <u>Constitutional Development</u> <u>in India during British</u> <u>Rule</u>		<u>Student</u> <u>seminar</u>	<u>01</u>								
	<u>2nd week</u>	<u>04</u>	<u>Minto- Morley Reforms, 1909</u> <u>Montague - Chelmsford</u> <u>Reforms - 1919</u>		<u>Assignm</u> <u>ent</u>	<u>01</u>				<u>Independence</u> <u>Day</u>				
	<u>3rd week</u>	<u>04</u>	<u>Government of India Act, 1935</u> <u>MODULE 3: Features of</u> <u>Indian Constitution</u> <u>Constituent Assembly:-</u> <u>Nature, Composition</u> <u>Constituent Assembly:</u> <u>Socio - Economic, Philosophical</u> <u>Dimensions</u>		<u>Group</u> <u>Discussion</u>	<u>01</u>								
	<u>4th week</u>	<u>04</u>	<u>Indian Constitution: Preamble</u> <u>Indian Constitution:</u> <u>Salient Features</u>		<u>Assignm</u> <u>ent</u>	<u>01</u>								
	<u>September 2025</u>													
	<u>1st week</u>	<u>04</u>	<u>MODULE 4: Rights and Duties</u> <u>Fundamental Rights</u>											

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : <u>II BSc</u>			Year : <u>II</u> Semester : <u>III</u>		Paper : <u>Introduction to Public Administration</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date		
	July 2025													
	1st week	02	UNIT-I											
			Introduction to Public Administration		Student seminar	01								
	2nd week	02	Woodrow Wilson - Definition and nature and scope of Public Administration		Assignment	01								
	3rd week	02	Significance of Public Administration											
	4th week	02	Distinction between Public and Private Administration		Quiz	01								
	August 2025													
	1st week	02	UNIT-II											
			All India Services - Central Services, State Services		Student seminar	01								
	2nd week	02	Importance of All India Services UPSC and SPSC's		Assignment	01			Independence Day					
	3rd week	02	Powers and Functions of NITI - Aayog											
	4th week	02	Powers and Functions of UPSC and SPSC		Group discussion	01								
	September 2025													
	1st week	02	UNIT-III											
			Accountability of Administration in India		Student seminar	01								
	2nd week	02	Legislative, Executive Judiciary accountability of Administration in India											
	3rd week	02	Judicial Activism		Quiz	01								
	4th week	02	e-Governance in India Good Governance Initiatives											
	October 2025													
	1st week		Dussehra											

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : <u>II B.A</u>			Year : <u>II</u> Semester : <u>IV</u>		Paper : <u>3: INDIAN GOVERNMENT</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	December 2025													
	1st week	04	UNIT-1: President and Parliament											
			President of India: Mode of Election and Impeachment		Student seminar	01								
			President of India: Powers and Functions		Assignment	01								
	2nd week	04	Parliament: Composition - Lok Sabha and Rajya Sabha											
	3rd week	04	Parliament: Powers and Functions											
	4th week	04	Unit-II: Prime Minister and Council of Ministers											
			Prime Minister: Powers and Functions		Quiz	01								
	January 2026													
	1st week	04	Prime Minister: Role in Coalition Politics		Assignment	01								
	2nd week	02	Council of Ministers: Powers and Functions											
	3rd week	04	Legislative committees: Public Accounts Committee, Estimates committee, CPE		Group Discussion	01								
	February 2026													
	1st week	04	Unit-III: State Executive											
			Governor: Powers and Functions		Student seminar	01								
			Governor: Role											
	2nd week	04	Legislature: Composition - Legislative Council and Legislative Assembly											
			Legislature - Powers and Functions		Assignment	01								
	3rd week	04	Unit-IV: State Executive											
			Chief Minister: Powers and Functions											
			Council of Ministers: Powers		Group discussion	01								

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA


ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

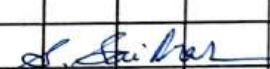
Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : IT B.A Year : II Semester : IV Paper : INDIAN GOVERNMENT

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
			and Functions											
	4th week	04	Business Advisory Committee		Quiz	01								
			Standing committees											
	March 2026													
	1st week	04	Unit-V: Judiciary											
			Supreme Court: Composition		Student Seminars	0.1								
			Supreme Court-Appointments Powers and Functions											
	2nd week	04	Judicial Review, Judicial Activism		Assignment	01								
			National Judicial Appointments Commission and Judicial Reforms											

3rd week 04 REVISTION


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 Signature of Lecturer

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sai Prasanna Name of the Department : Political Science

Class : <u>ITB-A</u>		Year : <u>II</u> Semester : <u>IV</u>		Paper : <u>Dynamics of Indian Political System</u>																
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks							
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date								
	December 2025																			
	1st week	04	Unit I: <u>Social Dynamics</u> Role of Caste		Student seminar	01														
	2nd week	04	Role of Religion Role of language Social media and politics		Assignment	01														
	3rd week	04	Unit-II: <u>Social Dynamics</u> Politics of Reservation Criminalization of Politics		Quiz	01				World Human Rights Day										
	4th week	02	Regionalism in India.		Assignment	01														
	January 2025 1st week	04	Internal threats to security Unit-III: <u>Regulatory Institutions</u>		Group Discussion	01														
	2nd week	04	NITI Aayog Finance Commission Comptroller and Auditor General of India.		Assignment	01				National Voters Day										
	3rd week	04	Central Vigilance Commission Unit-IV: <u>Governing Mechanisms</u> Central Information Commission		Student seminar	01				Republic Day celebrations										
	February 2025 1st week	04	Lokpal		Group Discussion	01														
	2nd week	04	Lok Ayukta Right to Information Act, 2005		Assignment	01														
	3rd week	04	Unit-V: <u>Civil Services</u> UPSC: Powers and Functions		Group Discussion	01														
	4th week	04	Neutrality and integrity of Civil Services : All India Services		Assignment	01														

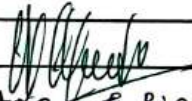
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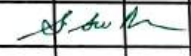
ANNUAL ACADEMIC CURRICULAM PLAN 202 -202

Name of the Lecturer : S. Sri Prasanna Name of the Department : Political Science

Class : II B.A., II B.Com Year : II Semester : IV Paper : INTRODUCTION TO GEOGRAPHY cmce

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
	December 2025													
	1st week	09	<u>Unit 1:</u>											
			Introduction, Definition											
			Scope, Importance of Geography		Student seminar	1			World Human Rights Day					
	2nd week	09	Geography Tools and Methods		Assignm - ext	1								
	3rd week	09	Five Themes of Geography		Quiza	1								
			Structure and Composition of Earth											
	January 2026		<u>Unit 2:</u>											
	1st week	02	Plate Tectonics and Continental Drift - landforms		Group discussion	1								
	2nd week	02	Hydrosphere - climate and weather patterns						National Voters Day					
	3rd week	02	Ecosystem and Biodiversity Distribution and Depletion of Natural resources		Student Seminar	01								
	February 2026		<u>Unit 3:</u>											
	1st week	09	Population Distribution and Growth		Student Seminars	1								
	2nd week	02	Cultural landscapes and Cultural Diffusion -											
	3rd week	02	Language, Religion and Ethnicity		Quiza	1								
	March 2026													
	1st week	02	Urban and Rural landscapes and Cultural Diffusion		Group Discussion	1								
	2nd week	02	migration and Urbanization											
	3rd week		Globalisation and its Impacts											
			REVISION											


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 Signature of Lecturer

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : M. ABHITHA

Name of the Department : STATISTICS

Class : II B.Sc Year : 2025 Semester : III Paper : STATISTICAL METHODS

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1	July 1st week	4	Syllabus Explanation, Bivariate Data, Principle of least squares, Curve fitting, St. line fitting		Q&A	1	YES						
2	July 2nd week	5	Fitting of second degree parabola, Fitting of exponential curve										
3	July 3rd week	5	Fitting of Power Curve, k^{th} degree Polynomial					Self test	1	YES			
4	July 4th week	5	Meaning & Types of Correlation, Measure of Correlation, Scatter Diagram, Karl Pearson's Correlation coefficient & Rank Correlation		Assignment	1	YES			Self Test	1	YES	
5	July 5th week	5	Correlation Properties, Bivariate frequency distribution, Correlation coefficient for two variate data Problems, lag and lead in Correlation		Q&A	1	YES						
6	Aug 2nd week	5	Coefficient of concurrent deviation, Probable error and its properties, Coefficient of determination		Mid exam	1	YES						
7	Aug 3rd week	5	Concept of Multiple and Partial Correlation coefficients, Properties and Problems, Intra class correlation and Correlation Ratio					GD	1	YES			
8	Aug 4th week	5	Concept of Regression, Linear and Non-linear					Quiz	1	YES			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

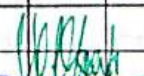
Name of the Lecturer : M. ABHINAV

Name of the Department : STATISTICS

Class : II B.Sc Year: 2025 Semester: IV Paper : Statistical Methods

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
			Regression, Regression lines and Regression coefficients.											
9	Aug 5 th week	4	Regression Properties Correlation (vs) Regression Explained & unexplained Variation			Q&A	1	Yes						
10	Sep 1 st week	5	Notations, class, order of class frequency. Ultimate class frequency. Consistency of data Conditions for consistency data for 2 & 3 attributes			Assignment	1	Yes						
			only. Independence of attributes											
11	Sep 2 nd week	5	Association of attributes and its measures. Relationship between association and colligation of attributes			Assignment	1	Yes						
12	Sep 3 rd week	5	Contingency table: square Contingency, Mean square Contingency, coefficient of Mean square Contingency + Schurffron's coefficient of Contingency.			Assignment	1	Yes		Self test	1	Yes		
13	Oct 1 st week	5	Revision			Self test	1	Yes						
14	Oct 2 nd week	5	Revision							Self test	1	Yes		
15	Oct 4 th week	5	PRACTICAL EXAMINATION											
16	Oct 5 th week	5	PRELIMINAL EXAMINATION											

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. ASHITHA

Name of the Department : STATISTICS

Class : III B.Sc

Year : 2025 Semester : V

Paper : Applied statistics

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1	July 1st week	4	Time series and its components with illustrations. Additive, multiplicative and Mixed Models. Trend Estimation of trend by free hand curve method.		Q&A	1	Yes						
2	July 2nd week	5	method of semi averages. Determination of trend by least squares (linear trend, Parabolic trend only).					class	1	Yes			
3	July 3rd week	5	Moving average method. Determination of seasonal indices by simple Average Method.										
4	July 4th week	5	Ratio to Moving average. Ratio to trend Method.		ASSIGN	1	Yes.						
5	July 5th week	5	Link Relative Method. De seasonalization. Concept & Construction of Index Numbers.					class	1	Yes			
6	Aug 1st week	5	Problems involved in the construction of index numbers. uses and limitations. simple and weighted index numbers. Various weighted Aggregate Index Numbers.		1st pd exam	1	Yes						
7	Aug 2nd week	5	Criteria of good index numbers, Fisher's Ideal Index Numbers, Cost of living Index Numbers.					class	1	Yes			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : M. ABHINAV

Name of the Department : STATISTICS

Class : III BSc

Year : 2025 Semester : II

Paper : Applied statistics

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
8	Aug 6 th week	5	Distribution of Index Numbers, Introduction definitions and uses of vital statistics. Sources of vital statistics.		Assignment	1	Yes						
9	Aug 8 th week	3	Measures of Mortality Rates - CDR, SDR		Q&A	1	Yes						
10	Sept 1 st week	5	SDR with different variations and Problems.		Q&A	1	Yes						
11	Sept 2 nd week	5	Life table - columnar construction and uses of life table					Self test	1	Yes			
			Proofs of life table functions		R								
			Measurement of fertility Rates - Crude Birth Rate, GFR.										
12	Sept 3 rd week	5	SFR, TFR. Measures of population growth		Assignment	1	Yes						
			Problems										
13	Sept 4 th week	5	GRR, NRR and its Problems.		Assignment	1	Yes						
14	Oct 2 nd week	5	Revision		2 nd mid exam	1	Yes						
15	Oct 3 rd week	5	Revision										
16	Oct 4 th week	5	PREFINAL EXAMINATION										
17	Oct 5 th week	5	PRACTICAL EXAMINATION.										

M. Abhinav

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer: M. ABHITEJ

Name of the Department: STATISTICS

Class: III B.Sc

Year: 2026 Semester: V

Computational Statistics and
Paper: R-Programming

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional / Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
1	July 1st week	5	Basic applications of Computer, Components of Computer systems. Central Processing Unit Input and out put units Computer memory and mass storage devices.			Q&A	1	Yes						
2	July 2nd week	4	Programming languages and their applications Concept of files and folders. software and types of software.											
3	July 3rd week	5	operating system like windows and linux											
			Data Processing using spreadsheet. Data entry and editing features in excel, copy, paste special options, sort and filter options, autosum steps of finding average and standard deviation of data using statistical functions.			Q&A	1	Yes						
4	July 4th week	5	Mathematical operations like transpose, multiply matrix using excel functions Simple graphs like bar chart line chart and pie chart in excel.			Assignment	1	Yes						
5	July 5th week	5	Exporting excel output to word processors like Ms word and slide presentation like Power Point.			Q&A	1	Yes						

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. ABHITHA

Name of the Department : STATISTICS

Class : III B.Sc Year : 2025 Semester : V Computational statistics and
Paper : R Programming

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
5	Aug 2nd week	3	scatter Diagram, fitting of st-line.											
6	Aug 3rd week	3	Polynomial and Power Curves using Excel Reading R-square Value and evaluation from the Graph.			16 th mid term	1	Yes						
7	Aug 6th week	5	Predicting future values using forecast and trend functions. Data Analysis Pak and its features. Performing student's t-test			Assignment	1	Yes						
8	Aug 9th week	5	one-Way Analysis of Variance using Data analysis Pak. P-Value and its Interpretation. Introduction to R, features of R - Environment and R studio.							superv	1	Yes		
9	SEP 1st week	2	Basics of R-Assignment Maths - operator special Numbers, logical Value Basic functions - R-help function - R data structures Control structures			Q&A	1	Yes						
10	SEP 2nd week	3	vector Definition Declaration-Generating indexing Naming Assigning temporary elements.			Assignment	1	Yes		superv	1	Yes		

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer: M. ABHINAV

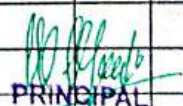
Name of the Department: STATISTICS

Class: III B.Sc

Year: 2025 Semester: V

Computational statistics and
Paper: R-Programming

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
11	<u>Oct 3rd week</u>	<u>5</u>	<u>operations on vectors</u> <u>Recycling - special operators</u> <u>Vectorized if then else</u> <u>vector equality functions</u> <u>for vectors. Missing</u> <u>values NA or NaN values</u> <u>filtering & subsetting.</u>		<u>Q&A</u>	<u>1</u>	<u>Yes</u>						
12	<u>Oct 10th week</u>	<u>3</u>	<u>Matrices Creating Matrices</u> <u>Adding of Removing rows</u> <u>columns operations creating</u> <u>Data frames, Naming</u> <u>accessing Adding and</u> <u>Removing Applying</u> <u>special functions to Data</u> <u>frames.</u>		<u>2nd Mid</u> <u>Exam</u>	<u>1</u>	<u>Yes</u>						
13	<u>Oct 17th week</u>	<u>5</u>	<u>Merging data frames</u> <u>Factors and tables.</u> <u>Exploratory data Analysis</u> <u>Descriptive statistics</u> <u>Central tendency Variability</u> <u>Mean - Median Range</u> <u>Variance - Summary.</u> <u>Handling Missing values</u> <u>and Outliers.</u>		<u>ACB 3rd week</u>	<u>1</u>	<u>Yes</u>						
14	<u>Oct 24th week</u>	<u>6</u>	<u>Normalization Data</u> <u>Visualization in R: Types</u> <u>of Visualization Package</u> <u>for visualization Brief</u> <u>Visualization Advanced</u> <u>Visualization and Creating</u> <u>3D Plots.</u> <u>Practical Examination</u>		<u>Seminar</u>	<u>1</u>	<u>Yes</u>	<u>CB</u>					


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer: M. ABHINAV

Name of the Department: STATISTICS

Class: <u>II B Sc</u>			Year: <u>2025</u> Semester: <u>IV</u>		Paper: <u>Design and Analysis of Experiments</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
1	<u>NOV 6th week</u>	4	<u>Concept, Definition and assumptions ANOVA one way classification. Mathematical Model analysis with error and unequal classification</u>		<u>Q&A</u>	1	<u>Yes</u>							
2	<u>NOV 5th week</u>	5	<u>ANOVA TWO way classification Mathematical Model analysis and Problems.</u>											
3	<u>DEC 14th week</u>	5	<u>Definition terminology. Principles of design of experiments: CRD Concept, Advantages and Dis Advantages applications.</u>											
4	<u>DEC 9th week</u>	5	<u>Layout statistical Analysis. Critical Differences between these is significant</u>					<u>slip test</u>	1	<u>Yes</u>				
5	<u>DEC 30th week</u>	5	<u>RBD-Concept Advantages and Dis Advantages applications statistical analysis and critical Differences.</u>		<u>Assgn ment</u>	1	<u>Yes</u>							
6	<u>DEC 14th week</u>	1+5	<u>RBD with one missing value and its analysis Problems efficiency of RBD relative to CRD</u>		<u>Assgn ment</u>	1	<u>Yes</u>	<u>slip test</u>	1	<u>Yes</u>				
7	<u>JAN 7th week</u>	5	<u>Concept, Advantages and Dis Advantages applications, layout</u>		<u>QD</u>	1	<u>Yes</u>							

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : M. ABHITHA


Name of the Department : STATISTICS

Class : II B SC

Year : 2025 Semester : IV

Paper : Design and analysis of experiments

S.No	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
			Statistical analysis and critical Differences.											
8	Jan 6 th week	5	Efficiency of LSD over RBD and CRD: Estimation of one missing value in LSD and its analysis. Problems.		1 st mid exam	1	Yes							
9	Jan 5 th week	4	Main effects and interaction effects of 2 ² factorial experiments and their statistical analysis		Assignment	1	Yes							
10	Feb 1 st week	5	Main effects and interaction effects of 2 ² factorial experiments and their statistical analysis							1 st test	1	Yes		
11	Feb 2 nd week	5	Yates Procedure to find factorial effects totals							5 th test	1	Yes		
12	Feb 3 rd week	5	Revision											
13	Feb 1 st week	5	Revision		Assignment	1	Yes							
14	Mar 1 st week	4	PRE FINAL EXAMINATION		2 nd mid exam	1	Yes							
15	Mar 2 nd week	5	PRACTICAL EXAMINATION											
16	Mar 2 nd week	1	REVISION											
			No of days											


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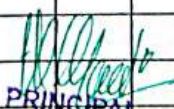
Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : M. ABHITHA

Name of the Department : STATISTICS

Class : <u>II B.Sc</u>			Year : <u>2025</u> Semester : <u>IV</u>		Paper : <u>NUMERICAL ANALYSIS</u>								
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
7	Jan 1st week	4	Lagrange's formula Reverse Interpolation Lagrange's formula.										
8	Jan 2nd week	5	Introduction to Numerical Cal differentiation. Deter- mination of first and second order derivatives for the given data using Newton's forward and backward.		1st mid exam	1	Yes						
9	Jan 3rd week	5	Gauss forward and back- ward stearlings		Assy mid	1	Yes						
10	Feb 1st week	5	Bessel's and Newton's Divided difference formula										
11	Feb 2nd week	4	Introduction to numerical Integration, General Quadrature formula for equidistant ordinates. Trapezoidal rule.		Assy mid	1	Yes						
12	Feb 3rd week	5	Simpson's $\frac{1}{3}$ rd rule, Simpson's $\frac{3}{8}$ th rule and Wedgley rule.										
13	Feb 4th week	5	Regression		Assy mid	1	Yes	Self test	1	Yes			
14	Mar 1st week	5	Regression		2nd mid exam	1	Yes						
15	Mar 2nd week	4	PRACTICAL EXAMINATION.										
16	Mar 3rd week		H. V. G. P. M. C.										


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Dr. N. Ankanamma

Name of the Department : Zoology

Class : B Sc (Zoology NATA) Year : III Semester : V Paper : Post harvest technology of fish + themes

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1	July 1 st 2025	3	Unit I Handling and Principles of fish preservation Handling of fresh fish Storage and transport of fresh fish	Cross Containers Attention		2	Yes				1	Yes	
2	July 2 nd 2025	3	Post mortem changes (Rigor mortis and spoilage) Spoilage in marine fish and fresh water fish			2	Yes	Assignment			1	Yes	
3	July 3 rd 2025	3	Principles of preservation cleaning, lowering of temperature, rising of temperature, denaturation Use of salt, use of fish preservatives, exposure to low radiation of gamma rays										
4	July 4 th 2025	3	Unit - II: methods of fish preservation, Traditional methods: Sun drying, salt curing, Pickling and Smoking.			2	Yes	Assignment			1	Yes	
5	Aug 1 st 2025	3	Advanced methods of fish preservation: chilling or icing, refrigerated sea water, freezing, canning, irradiation and Accelerated freeze drying (AFD)			2	Yes				1	Yes	
6	Aug 2 nd 2025	3	Unit III: Processing and preservation of fish and fish by products. Fish products: Fish mixed meat, fish meal, fish oil, fish liquid, fish protein concentrate.			2	Yes				1	Yes	

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Dr. N. Ankanamma

Name of the Department : Zoology

Class : III B sc. Zoology Major

Year : III Semester : V

Paper : Post harvest technology of Fish & Fisheries

S No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional/ Provided/	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not alternate date		
			fish chowder, fish cake, fish sauce, fish rolls, fish powder, pet food from trash fish, fish manure.											
7	Aug ^{3rd} 2025	3	Fish by Products Fish glue, Bin glass, chitosan, Pearl essence, Shark fins, fish leather, and fish manure.		2	Yes		1	Yes					
8	Aug ^{4th} 2025	2	Unit IV: Sanitation and Quality control Sanitation in Processing Plants - Environmental hygiene and Personal		2	Yes		1	Yes					
9	Sep ^{1st} 2025	3	Hygiene in Processing plants Quality control of fish and fishery products Pre- processing control, Control during processing and control after processing.		2	Yes		1	Yes					
10	Sept ^{2nd} 2025	2	Unit V: Quality assurance, Management and Certification; Sea food quality assurance and systems. Good manufacturing Practice (GMPs); Good Laboratory Practice (GLPs); Standard operating Procedures (Sops)		2	Yes		1	Yes					
11	Sept ^{3rd} 2025	3	Concept of Hazard analysis and critical control Points (HACCP) in Sea food safety. National and International standards.		2	Yes		1	Yes					

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : D. N. Ankanamma

Name of the Department : Zoology

Class : III B.sc Zoology master Year : III Semester : V Paper : 13- Poultry production & management

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1	July 1st week 2025	3	Unit-I. Health Care. 1.1 Common Poultry diseases Bacterial, viral, fungal, Parasitic and nutritional deficiency diseases			2	Yes			1	Yes		
2	July 2nd week 2025	3	1.2. Vaccination schedule for commercial layers and broilers. Factors that govern vaccination schedule. Vaccination principles type methods, pre and post vaccination care.			2	Yes			1	Yes		
3	July 3rd week 2025	3	Disinfection: Types of disinfectants Mode of action; recommended Procedures; Precaution and handling			2	Yes			1	Yes		
4	July 4th week 2025	3	Unit - 2. Economics 2.1. Economics of layer and broiler production. 2.2. Project reports in different systems of rearing for layer + broilers			2	Yes			1	Yes		
5	July 5th week 2025	2	Feasibility studies on poultry rearing - in context of small units and their profitability.			2	Yes			-	-		
6	Aug 1st week 2025	2	Export/Import of Poultry and Poultry products			2	Yes			-	-		
7	Aug 2nd week 2025	3	Unit III: Breeder flock management 3.1: Layer and broiler breeder flock management housing and space requirement 3.2. Different stages of management during life cycle			2	Yes						

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: Dr. N. Ankanamma

Name of the Department: Zoology

Class: III B Sc, Zoology Year: III Semester: V Paper: Poultry Production & Management

S.No	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
			Light management during growing and laying Period.											
8	3rd Aug wk 2025	3	Artificial insemination 3.3 Feeding: Feed restriction, Separate male feeding, Nutrient requirement of layer and broiler breeders & different age groups.		2	Yes		1	Yes					
9	4th Aug wk 2025	3	Unit IV: Breeder health care 4.1: Vaccination of breeder flock: Difference between Vaccination schedule of broilers and commercial birds.		2	Yes		1	Yes					
			4.2: Common diseases of breeders (Infectious and metabolic disorders) - Prevention											
10	1st Sept wk 2025	3	4.3: Fertility disorders - etiology, diagnosis and Corrective measure. Selection and culling of breeder flocks.		2	Yes		1	Yes					
11	2nd Sept wk 2025	3	Unit - 5 Hatchery Practices 5.1: Management Principles of incubation 5.2: factors affecting fertility and hatchability. selection, care and incubation of hatching eggs Fumigation, Sanitation and hatchery hygiene		2	Yes		1	Yes					
12	3rd Sept wk 2025	3	5.3 Importance of hatchery records, book		2	Yes		1	Yes					


Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Dr. N. Ankanand

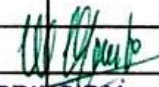
Name of the Department : Zoology

Class : III B Sc Zoology major Year : III Semester : V Paper : Poultry production & management

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
			even analysis of unhatched eggs.										
13	Sept 4 th 5 th wk	2	54 Computer applications for hatchery management			2	Yes						
	Oct 12 th 2 nd wk		Darwin's variation										
	Oct 20 th 3 rd wk	3	Revision			3	Yes						
	Oct 27 th 4 th wk	3	Pre-final exam.			3	Yes						
	Oct 31 st wk	2	Semester-end practical examinations										
<u>N. Ankanand</u>				 PRINCIPAL Y.A. Govt. College for Women CHIRALA, Baballa Dist., (A.P.)									

Certified that the syllabus of the Paper M-5 - i.e. Poultry production and management was completed as per AACF 2025-2026.

N. Ankanand


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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Dr. N. Ankanam

Name of the Department : Zoology

Class : II B sc Zoology MAJOR Year : II Semester : III Paper : 6 Principles of Genetics

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1	July 1st week 2025	3	Unit I 1.1 History of Genetics concept of Phenotype, Genotype, Heredity, Variations. Pure line and inbred lines.		2	Yes		1	Yes				
2	July 2nd week 2025	3	1.2 Mendelian principle on monohybrid cross, back cross and test cross		2	Yes		1	Yes				
3	July 3rd week 2025	3	1.3. Mendelian principles on Dihybrid cross. Problems related to Dihybrid cross		2	Yes		1	Yes				
4	July 4th week 2025	3	Unit II 2.1. Linkage - Definition, Types of linkage - Complete linkage and incomplete linkage, significance of linkage.		2	Yes		1	Yes				
5	July 5th week 2025	2	2.2. Crossing over - Definition mechanism of crossing over. Chiasma interference and coincidence.		2	Yes							
6	Aug 1st week 2025	3	2.3 Gene interactions:- Incomplete dominance, Co-dominance and Pleiotropy.		2	Yes		1	Yes				
7	Aug 2nd week 2025	3	2.4: Gene interactions. Lethal alleles, Epistasis, Non-Epistasis		2	Yes		1	Yes				
8	Aug 3rd week 2025	3	Unit III 3.1. Polygens (General characteristics and examples) 3.2. Multiple alleles (General characteristics and blood group inheritance)		2	Yes		1	Yes				
9	Aug 4th week 2025	3	3.3. Rh inheritance, Erythroblastosis foetalis		2	Yes		1	Yes				

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer : Dr. N. Anaswari

Name of the Department : Zoology

Class : II B Sc Zoology Major Year : II Semester : III Paper : 6 Principles of Genetics

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
			34. Extra-chromosomal inheritance - Kappa particles in Paramecium and shell coiling in Snails.											
10	Sept ^{1st} wk 2025	3	Unit IV 4.1. Sex determination chromosomal theory and Genic balance theory.			2	Yes			1	Yes			
11	Sept ^{2nd} wk 2025	3	4.2. Sex determination Homand, environmental and Haplo-Diploidy types			2	Yes			1	Yes			
12	Sept ^{3rd} wk 2025	3	4.3. Sex linked inheritance X-linked inheritance 4.4. Y-linked inheritance XY-linked inheritance			2	Yes			1	Yes			
13	Sept ^{4th} wk 2025	2	Unit V 5.1. Human karyotyping Pedigree analysis.			2	Yes							
14	Oct ^{1st} wk	3	5.2. Autosomal recessive disorders - sickle cell anaemia - Causes treatment inheritance pattern, mode of testing and prevention			2	Yes			1	Yes			
15	Oct ^{3rd} wk 2025	3	5.3. Autosomal dominant disorders - Huntington's disease 5.4. Basis on genomics and post-genomics			2	Yes			1	Yes			
16	Oct ^{4th} wk 2025	2	Revision - Pre-final exam			2	Yes			1	Yes			
	Oct ^{5th} wk	2	Semester - End practical examinations.											

N. Anaswari

[Signature]
PRINCIPAL

Certified that the syllabus of Principles of Genetics was completed as per AACp - 2025-26.

N. Anaswari

[Signature]
PRINCIPAL

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Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: A. N. Anka

Name of the Department: Zoology

Class: II B Sc., Zoology Major Year: II Semester: III Paper: 8 Evolution and Zoogeography

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1.	1st July 2025	3	Unit-I: 1.1 origin of life Different ancient concepts - origin of Earth and Solar system Big bang theory, primitive atmosphere, formation of some co molecules.		2	Yes			1	Yes			
2.	2nd July 2025	3	1.2 Biological evolution: Coacervates, microspheres, formation of Nucleic acids Nucleoproteins		2	Yes			1	Yes			
3	3rd July 2025	3	1.3: Formation of primary organisms, Evolution of modes of nutrition, Origin evolution, Present day atmosphere		2	Yes			1	Yes			
4	4th July 2025	3	Evolution of Eukaryota 1.4: Experimental evidences in support of Biochemical origin of life (Miller and Urey experiment)		2	Yes			1	Yes			
5	5th July 2025	2	2.1 unit: II: Palaeontological and Taxonomical evidences of evolution.		2	Yes							
6	1st August 2025	3	2.2: Morphological and Anatomical evidences of evolution		2	Yes			1	Yes			
7	2nd Aug 2025	3	2.3: Embryological and Physiological evidences of evolution.		2	Yes			1	Yes			
8	3rd Aug 2025	3	2.4: Evidences from connecting links, missing links and biogeographical distribution		2	Yes			1	Yes			
9	4th Aug 2025	3	Unit III: 3.1 Lamarckism - Neolamarckism Germ Plasm theory August Weismann		2	Yes			1	Yes			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: Dr. N. Ankamma

Name of the Department: Zoology

Class: <u>II B Sc Zoology Major</u>			Year: <u>II</u>	Semester: <u>III</u>	Paper: <u>8 Evolution and Zoogeography</u>									
S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date		
10	1st Sep wk 2025	3	3.3. Darwinism Theory 3.4. Natural selection			2	Yes			1	Yes			
11	2nd Sep wk	3	unit IV variations types - sources of variations - Importance in evolution 4.2. mutations - classification - Causes - significance in evolution.			2	Yes			1	Yes			
12	3rd Sep wk 2025	3	4.3. Isolating mechanisms Role in evolution. 4.4. Sewall Wright effect Hardy-Weinberg Principle											
13	4th Sept	2	unit V. 5.1. Animal distribution and barriers of distribution			2	Yes							
14	2nd Oct wk 2025	3	5.2. Zoogeographical realms Palearctic and Nearctic region.			2	Yes			1	Yes			
15	3rd Oct wk 2025	3	5.3. Neotropical & Ethiopian region. 5.4. Oriental and Australian region.											
16	4th Oct wk	3	Revision and Pre-tinal Examination.											
17	5th Oct wk 2025		Semester End practical examination											
<u>N. Ankamma</u>								<u>N. Ankamma</u> PRINCIPAL						
Certified that the syllabus of Paper, Major evolution and Zoogeography was completed as per AACP 2025-2026.														
<u>N. Ankamma</u>								<u>N. Ankamma</u> PRINCIPAL						
Y.A. Govt College for Women CHIRALA, Bapatla Dist., (A.P)														

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Dr. N. Ankanama

Name of the Department : Zoology

Class : I Bsc, Zoology Major Year: I Semester: I Paper : Biology of chordates

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
1	3rd Sept wk 2025	2	Bridge course			2	Yes						
2	2nd Sept wk 2025	3	Bridge course			3	Yes						
3	2nd Oct wk 2025	3	Unit I: General characters and classification of chordata upto classes			2	Yes		1	Yes			
4	2nd Oct wk 2025	3	Salient features of cephalochordata, salient features of unchordata			2	Yes		1	Yes			
5	4th Oct wk 2025	3	Structure and life history of Herdmania, Retrograde metamorphosis - process and significance.			2	Yes		1	Yes			
6	5th Oct wk 2025	2	Cydotomata, general characters, composition of Petromyzon & myxine			2	Yes		1	Yes			
7	1st Nov wk 2025	3	Unit II: General characters of fishes, Salient features of Dipnoi Scoliodon: External features, Digestive system, Respiratory system			2	Yes						
8	2nd Nov wk 2025	3	Scoliodon: structure and function of heart, structure and functions of Brain. migration in fishes. Types of scales.			2	Yes		1	Yes			
9	3rd Nov wk 2025	3	Unit III: General characters of Amphibia, General characters of Reptilia. ^{Rana external features, Respiration}			2	Yes		1	Yes			
10	4th Nov wk 2025	3	Rana hexadactyla structure and functions of the Brain Calotes: External features, Digestive system, structure and function of Brain			2	Yes		1	Yes			

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Dr. N. Ankaranna

Name of the Department : Zoology

Class: IB Sc., Zoology Prata Year: I Semester: I Paper: Biology of chordates

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional / Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
11	5th NOV WK 2025	2	Identification of Poisonous Snakes. Mid examination		2	Yes							
12	Dec 1st WK 2025	3	General character of <i>Calumbia livia</i> - External features, Digestive system, Respiratory system		3	Yes							
13	Dec 2nd WK 2025	3	<i>Calumbia livia</i> : structure and function of Heart, Structure and function of Brain. Migration in Birds, Flight adaptations in birds		2	Yes		1	Yes				

14	Dec 3rd WK 2025	3	Unit V: General character of Mammalia, classification of mammalia upto sub-classes with examples.		2	Yes		1	Yes				
15	Dec 4th WK 2025	2	Comparison of Prototheria, Metatheria & Eutherians		2	Yes							
16	Dec 5th WK 2025	2	Dentition in mammals, Aquatic mammals adaptations		2	Yes							
17	1st Jan WK 2026	2	Revision Mid - II Examination		2	Yes							
	2nd Jan WK 2026	3	Revision & pre-final examination.		3	Yes							
	3rd Jan WK		Pongal holidays										
	4th Jan WK		I semester end theory examinations.										

N. Ankaranna

PRINCIPAL

Certified that the syllabus of Biology of chordates was completed as per AA CP: 2025-26

N. Ankaranna

PRINCIPAL

Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA

ANNUAL ACADEMIC CURRICULAM PLAN 2025 -2026

Name of the Lecturer : Dr. N. Ankanamma

Name of the Department : Zoology

Class : II B Sc Zoology Year : II Semester : IV Paper : Animal Physiology - Life Sustaining system

S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not alternate date	
1	4 th Nov wk 2025	3	Unit I: Physiology of Digestion. 1.1 structural organization and functions of gastrointestinal tract and associated glands.		2	Yes			1	Yes			
2	1 st Dec wk 2025	3	1.2 vitamins & minerals composition of food & mechanical and chemical digestion of food.		2	Yes			1	Yes			
3	2 nd Dec wk 2025	3	1.3: Absorption of carbohydrates lipids, proteins, water, minerals & vitamins.		2	Yes			1	Yes			
4	3 rd Dec wk 2025	3	Hormonal control of secretion & enzymes		2	Yes			1	Yes			
5	4 th Dec wk	2	In gastrointestinal tract Unit II: structural organization of respiratory system, Mechanism of respiration and control of respiration.		2	Yes							
6	5 th Dec wk 2025	2	Pulmonary ventilation Respiratory volumes capacities		2	Yes							
7	1 st Jan wk 2026	2	Transport of oxygen in blood and dissociation curves and factors influencing it.		2	Yes							
8	2 nd Jan wk 2026	3	Transport of CO ₂ in blood. Dissociation curves and the factors influencing it. Carbon monoxide poisoning		2	Yes			1	Yes			
9	3 rd Jan wk 2026		Pongal vacation 10.1.26 to 18.1.26										
10	4 th Jan wk 2026	3	Unit III: Renal physiology 3.1 structure of kidney and its functional unit. Mechanism of urine formation		2	Yes			1	Yes			

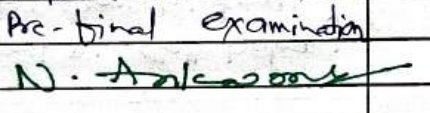
Y.A. GOVERNMENT DEGREE COLLEGE FOR WOMEN - CHIRALA


ANNUAL ACADEMIC CURRICULAM PLAN 2025-2026

Name of the Lecturer: Dr. N. Ankaasora Name of the Department: Zoology

Class: II Bsc Zoology major Year: II Semester: IV Paper: 10 Animal physiology - Life Sustaining systems


S.No.	Month & Week	Hours available	Syllabus / Topic	Additional Input / Value Additional Provided	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	if not, alternate date	
11	Jan ^{5th} wk 2026	2	Regulation of water balance & Regulation of ionic balance			2	Yes						
12	Feb ^{1st} wk 2026	3	unit IV: 4.1 Neuron structure and Neuron types: Nerve impulse transmission			2	Yes	1	Yes				
13	Feb ^{20th} wk 2026	3	ultra structure of muscle - molecular and chemical basis of muscle contraction			2	Yes	1	Yes				
14	Feb ^{3rd} wk 2026	3	unit V: Physiology of heart: 5.1. Structure of mammalian			2	Yes	1	Yes				
15	Feb ^{15th} wk	3	heart, coronary circulation structure and working of conducting myocardial fibers. origin and conduction of cardiac impulse. Cardiac cycle - cardiac output and its regulation			2	Yes	1	Yes				
16	March ^{1st} wk 2026	3	Nervous and chemical regulation of heart rate. Blood pressure and its regulation			2	Yes	1	Yes				
17	March ^{20th} wk 2026	3	Revision and Pre-final examination			3	Yes						


N. Ankaasora
 PRINCIPAL
 YA Govt. College for Women
 CHIRALA, Babatla Dist., (A.P.)

Certified that the syllabus of Animal Physiology - Life Sustaining systems was completed as per AACP: 2025-2026

N. Ankaasora
 PRINCIPAL
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 CHIRALA, Babatla Dist., (A.P.)

		Practical 2hrs	2. Fungal diseases of Fin & Shellfish							was used	
17	October 3 rd week		3. Bacterial diseases of Finfish & shellfish 4 Prophylaxis in aquaculture	-	Blackboard /ppt/video	3	Classroom teaching	-	Assignment -5	One practic al hour was used	College
18	October 4th week	3hrs theory & Practical 2hrs		Fish craft and gear	Blackboard /ppt/video	3	Classroom teaching	-	Bapatla field trip	-	-


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		Practical 2hrs	CARI-necked neck CARI-sonali layer CARI- Priya layer							was used	
17	October 3 rd week	3hrs theory & Practical 2hrs	CARIBRO-Vishal CARI- Rainbro Nandhanam chicken-1 and II	-	Blackboard /PPT/video	3	Classroom teaching	-	Assignment -5	One practic al hour was used	College
18	October 4 th week	3hrs theory & Practical 2hrs	Sem end Preparation								

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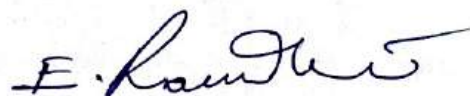
	2 nd week									Class hour			
13	Septem ber 3 rd week	3+2	Unit-4 Manipulation of reproduction in animals: Artificial Insemination, In vitro fertilization	-	Blackboard /ppt/video	5	Classroom teaching	-	Ozone day	Use one hour of Classw ork	Classroom	-	-
14	Septem ber 4 th week	3+2	Manipulation of reproduction in animals: Superovulation, Embryo transfer, Embryo cloning	-	Blackboard /ppt/video	5	Classroom teaching	-	-	-	-	-	-
15	Octobe r 1 st week	3+2	Transgenic Animals: Strategies of Gene Transfer; Transgenic - sheep, fish; applications	-	Blackboard /ppt/video	5	Classroom teaching	-	Assignment 4	Use 30 minutes of a Class hour	Classroom	-	-
16	Octobe r 2 nd week	3+2	Unit-5 DNA fingerprinting Application of biotechnology in fisheries – monoculture in fishes, polyploidy in fishes	-	Blackboard /PPT/video	5	Classroom teaching	-	Student seminar	Use 30 minutes of a Class hour	Classroom	-	-
17	Octobe r 3 rd week	3+2	Gene therapy-application Bioinformatics- concept- definition-database types	-	Blackboard /PPT/video	5	Classroom teaching	-	Assignment 5	Use 30 minutes of a Class hour	Classroom	-	-
18	Octobe r 4 th week	3+2	Revision of Hybridization techniques: Southern, Northern and Western blotting	-	Blackboard /PPT/video	5	Classroom teaching	-		College timings	Digital classroom	-	-



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13	September 3 rd week	3+2	Unit-4 General characters of Aves Columba livia: External features,	-	Blackboard /ppt/video	5	Classroom teaching	-	Ozone day	Use 1 hour of a Classwork	Classroom	-	-
14	September 4 th week	3+2	Digestive system, Respiratory system Columba livia: Structure and function of Heart, structure and function of Brain	-	Blackboard /ppt/video	5	Classroom teaching	-	-	-	-	-	-
15	October 1 st week	3+2	Migration in Birds, Flight adaptation in birds	-	Blackboard /ppt/video	5	Classroom teaching	-	Assignment 4	Use 30 minutes of a Class hour	Classroom	-	-
16	October 2 nd week	3+2	Unit-5 General characters of Mammalia Classification of Mammalia up to sub-classes with examples	-	Blackboard /ppt/video	5	Classroom teaching	-	Student seminar	Use 30 minutes of a Class hour	Classroom	-	-
17	October 3 rd week	3+2	Comparison of Prototherians, Metatherians and Eutherians	-	Blackboard /ppt/video	5	Classroom teaching	-	Assignment 5	Use 30 minutes of a Class hour	Classroom	-	-
18	October 4 th week	3+2	Dentition in mammals, Aquatic mammals, Adaptations	-	Blackboard /ppt/video	5	Classroom teaching	-	-	College timings	Seminar hall	-	-


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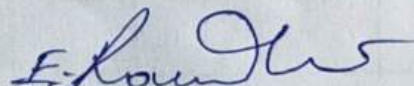
9	Feb 2 nd week	1+2	Factors influencing immunogenicity		Blackboard /video/ppt	3	Classroom teaching	-	Charts preparation	7 th period	Lab	Nil
10	Feb 3 rd week	1+2	Unit-3 Structure of an antibody		Blackboard /video/ppt	3	Classroom teaching	-	-	-	-	-
11	Feb 4 th week	1+2	Classes of antibodies		Blackboard /video/ppt	3	Classroom teaching	-	Assignment 3	A 30-minute class hour is used	Lab	Nil
12	Mar 1 st week	1+2	Functions of antibodies		Blackboard /video/ppt	3	Classroom teaching	-	Student seminars	1 practical hour used	Lab	Nil
13	Mar 2 nd week	1+2	Monoclonal antibodies		Blackboard /video/ppt	3	Classroom teaching	-	Quiz	30-minute class hour is used-	Lab	Nil
14	Mar 3 rd week	1+2	Revision of immunogenicity classification		Blackboard /video/ppt	3	Classroom teaching	-	Student seminars	1 practical hour used & Quiz	Lab	Nil

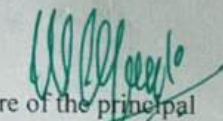

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8	Feb 1 st week	3+2	Unit-3 Fate of Germ Layers Extra-embryonic membranes	-	Blackboard /video/ppt	5	Classroom teaching	-	Student seminar	A 30- minute class hour is used	lab	-	-
9	Feb 2 nd week	3+2	Placenta (Structure, types and functions of the placenta) Amniocentesis		Blackboard /video/ppt	5	Classroom teaching	-	Charts preparation	7 th period	Lab	Nil	-
10	Feb 3 rd week	3+2	Unit-4 Metamorphosis: Changes, hormonal regulations in amphibians Regeneration: Modes of regeneration, epimorphosis, morphallaxis and compensatory regeneration (in Turbellarians)		Blackboard /video/ppt	5	Classroom teaching	-	-	-	-	-	-
11	Feb 4 th week	3+2	Ageing: Concepts and Theories Teratogenic agents and their effects on embryonic development		Blackboard /video/ppt	5	Classroom teaching	-	Assignment 4	A 30- minute class hour is used	Lab	Nil	-
12	Mar 1 st week	3+2	Unit-5 Organogenesis of the Central Nervous System Organogenesis of the Eye		Blackboard /video/ppt	5	Classroom teaching	-	Student seminars	1practical hour used	Lab	Nil	-
13	Mar 2 nd week	3+2	Organogenesis of Skin and Ear		Blackboard /video/ppt	5	Classroom teaching	-	Assignment 5	30-minute class hour is used-	Lab	Nil	-
14	Mar 3 rd week	3+2	Organogenesis of the Circulatory System		Blackboard /video/ppt	5	Classroom teaching	-	Student seminars	1practical hour used & Quiz	Lab	Nil	-



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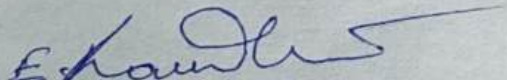
			4. Peripatus - Structure and affinities										
11	Dec 2 nd week	3+2	Unit-5 1. Mollusca General characters and classification up to classes with suitable examples 2 Pearl formation in Pelecypoda	Blackboard /video/ppt	5	Classroom teaching	-	Assignment 4	30-minutes class hour is used	Lab	Nil	-	
12	Dec 3 rd week		3. Echinodermata General characters and classification up to classes with suitable examples Water vascular system in starfish	Blackboard /video/ppt	5	Classroom teaching	-	Student seminars	1practical hour used	Lab	Nil	-	
13	Dec 4 th week	3+2	4 Hemichordate General characters and classification up to classes with suitable examples Balanoglossus - Structure and affinities	Blackboard /video/ppt	5	Classroom teaching	-	Assignment 5	30-minute class hour is used-	Lab	Nil	-	

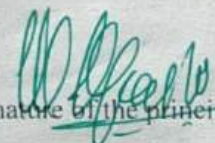

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	Mar 4 th week	3+2	Unit-3 Fate of Germ Layers Extra-embryonic membranes Placenta (Structure, types and functions of the placenta) Amniocentesis	-	Blackboard /video/ppt	5	Classroom teaching	-	Student seminar and Charts preparation	A 30-minute class hour is used	lab	-	-
10	Apr 1 st week	3+2	Unit-4 Metamorphosis: Changes, hormonal regulations in amphibians Regeneration: Modes of regeneration, epimorphosis, morphallaxis and compensatory regeneration (in Turbellarians)		Blackboard /video/ppt	5	Classroom teaching	-	-	-	-	-	-
11	Apr 2 nd week	3+2	Ageing: Concepts and Theories Teratogenic agents and their effects on embryonic development		Blackboard /video/ppt	5	Classroom teaching	-	Assignment 4	A 30-minute class hour is used	Lab	Nil	-
12	Apr 3 rd week	3+2	Unit-5 Comparative study of Gastrulation in Frog, Chick and Mammal Induction and embryonic organizers (Spemann's experiment)		Blackboard /video/ppt	5	Classroom teaching	-	Student seminars	1 practical hour used	Lab	Nil	-
13	Apr 4 th week	3+2	Organogenesis of Skin and Ear Organogenesis of the Circulatory System		Blackboard /video/ppt	5	Classroom teaching	-	Assignment 5 And Student seminars	30-minute class hour is used- 1 practical hour used & Quiz	Lab	Nil	-


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