

V.S.M. COLLEGE (AUTONOMOUS)

RAMACHANDRAPURAM

NAAC Re-accredited with 'B' Grade at 2.69 CGPA

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)



B.Sc. CBZ

COURSE STRUCTURE

(W.e.f. admitted batch 2019 –20)

V.S.M. COLLEGE (AUTONOMOUS)
 Re-accredited by NAAC with 'B' Grade at 2.69 CGPA
RAMACHANDRAPURAM

B.Sc. PROGRAMME - COURSE STRUCTURE IN CHEMISTRY
UNDER CBCS 2020 – 21

Semester number	Paper & Title of the paper	Paper code	Instruction hours/week	No. of Credits	Duration of the examination (hours)	Assessment		Total Marks
						(CIA) Internal	(SEE) External	
I	Paper - I: Inorganic and physical Chemistry	2012301	4	4	3	40	60	100
I	Practical - I: Analysis of Salt Mixture lab	2012301P	2	1	3	-	50	50
II	Paper - II: Organic and General Chemistry	2022302	4	4	3	40	60	100
II	Practical - II: Volumetric Analysis lab	2022302P	2	1	3	-	50	50

V.S.M. COLLEGE (AUTONOMOUS)
Re-accredited by NAAC with 'B' Grade at 2.69 CGPA
RAMACHANDRAPURAM

B.Sc. PROGRAMME - COURSE STRUCTURE IN CHEMISTRY
UNDER CBCS 2020 – 21

Semester number	Paper & Title of the paper	Paper code	Instruction hours/week	No. of Credits	Duration of the examination (hours)	Assessment		Total Marks
						(CIA) Internal	(SEE) External	
III	Paper - III: Inorganic and Organic Chemistry-2	1632303	4	3	3	25	75	100
III	Practical - III: Titrimetric analysis and Organic Functional Group Reactions lab	1632303P	2	2	3	-	50	50
IV	Paper - IV: Spectroscopy and Physical Chemistry	1642304	4	3	3	25	75	100
IV	Practical - IV: Physical Chemistry and IR Spectral Analysis lab	1642304P	2	2	3	-	50	50
V	Paper - V: Inorganic, Organic and Physical Chemistry-1	1652305	3	3	3	25	75	100
V	Practical - V: Organic Chemistry lab	1652305P	2	2	3	-	50	50
V	Paper - VI: Inorganic, Organic and Physical Chemistry-2	1652306	3	3	3	25	75	100
V	Practical - VI: Physical Chemistry lab	1652306P	2	2	3	-	50	50
VI	Paper - VII: Elective-A Analytical Methods in Chemistry	1662307	3	3	3	25	75	100
VI	Practical – VII A Analytical Methods in Chemistry lab	1662307P	2	2	3	-	50	50
VI	Paper - VII: Elective-B Environmental Chemistry	1662308	3	3	3	25	75	100
VI	Practical – VII B Water Analysis lab	1662308P	2	2	3	-	50	50

VI	Paper - VII: Elective-C Green Chemistry	1662309	3	3	3	25	75	100
VI	Practical – VII C Green Chemistry lab	1662309P	2	2	3	-	50	50
VI	Cluster-A A-1 Polymer Chemistry	1662310	3	3	3	25	75	100
VI	Practical – VIII A-1 Organic Preparations lab	1662310P	2	2	3	-	50	50
VI	Cluster-A A-2 Instrumental Methods of Analysis	1662311	3	3	3	25	75	100
VI	Practical – VIII A-2 Instrumental Methods of Analysis lab	1662311P	2	2	3	-	50	50
VI	Cluster-A A-3 Analysis of Drugs, Foods, Dairy Products & Bio-chemical Analysis	1662312	3	3	3	25	75	100
VI	Project	1662312P	2	2	3	-	50	50
VI	Cluster-B B-1 Fuel Chemistry and Batteries	1662313	3	3	3	25	75	100
VI	Practical – VIII B-1 Organic Preparations lab	1662313P	2	2	3	-	50	50
VI	Cluster-B B-2 Inorganic Materials of Industrial Importance	1662314	3	3	3	25	75	100
VI	Practical – VIII B-2 Instrumental Methods of Analysis lab	1662314P	2	2	3	-	50	50
VI	Cluster-B B-3 Analysis of Applied Industrial Products	1662315	3	3	3	25	75	100
VI	Project	1662315P	2	2	3	-	50	50
VI	Cluster-C C-1 Organic Spectroscopic Techniques	1662316	3	3	3	25	75	100
VI	Practical – VIII C-1 Organic Preparations lab	1662316P	2	2	3	-	50	50
VI	Cluster-C C-2 Advanced Organic Reactions	1662317	3	3	3	25	75	100
VI	Practical – VIII C-2 Instrumental Methods of Analysis lab	1662317P	2	2	3	-	50	50
VI	Cluster-C C-3 Pharmaceutical & Medicinal Chemistry	1662318	3	3	3	25	75	100
VI	Project	1662318P	2	2	3	-	50	50



V. S. M. COLLEGE (A):: RAMACHANDRAPURAM

NAAC Re-accredited with 'B' Grade at 2.69 CGPA

DEPARTMENT OF BOTANY

B.Sc. BOTANY COURSE STRUCTURE

Sem	Paper	Paper code	Title	Hours	Credits	CIA	SEE	Total
I	I	2012501	Fundamental of Microbes and Non-vascular Plants	4	4	40	60	100
		2012501P	Fundamentals of Microbes and Non-vascular Plants Practical	2	01	00	50	50
II	II	2022502	Basics of Vascular plants and Phytogeography	4	4	40	60	100
		2022502P	Basics of Vascular plants and Phytogeography - Practical	2	1	0	50	50
III	III	1632503	Plant taxonomy & Embryology	4	03	25	75	100
		1632503P	Plant taxonomy & Embryology- Practical	2	02	00	50	50
IV	IV	1642504	Plant physiology & Metabolism	4	03	25	75	100
		1642504P	Plant physiology & Metabolism- Practical	2	02	00	50	50
V	V	1652505	Cell biology, Genetics & Plant Breeding	3	03	25	75	100
		1652505P	Cell biology, Genetics & Plant Breeding-practical	2	02	00	50	50
	VI	1652506	Plant Ecology and Phytogeography	3	03	25	75	100
		1652506P	Plant Ecology and Phytogeography -Practical	2	02	00	50	50
VI	VII-A* ELECTIVE	1662507	Organic Farming and Sustainable Agriculture	3	03	25	75	100
		1662507P	Organic Farming and Sustainable Agriculture Practical	2	02	00	50	50
	VII-B* ELECTIVE	1662508	Nursery, Gardening and Floriculture.	3	03	25	75	100
		1662508P	Nursery, Gardening and Floriculture-Practical	2	02	00	50	50
	VII-C* ELECTIVE	1662509	Plant Tissue Culture and its biotechnological applications	3	03	25	75	100
		1662509P	Plant Tissue Culture and its biotechnological applications - Practical	2	02	00	50	50
	Cluster Elective VIII A	1662510	Plant Diversity and Human welfare	3	03	25	75	100
		1662510P	Plant Diversity and Human welfare- practical	2	02	00	50	50
		1662511	Ethnobotany and medicinal botany	3	03	25	75	100
		1662511P	Ethnobotany and medicinal botany -Practical	2	02	00	50	50
		1662512	Pharmacognosy and Phytochemistry	3	03	25	75	100
		1662512P	Pharmacognosy and Phyto chemistry-Practical	2	02	00	50	50
	Cluster Elective VIII B	1662513	Biological Instrumentation and Methodology	3	03	25	75	100
		1662513P	Biological Instrumentation and Methodology- Practical	2	02	00	50	50
		1662514	Mushroom culture and Technology	3	03	25	75	100
1662514P		Mushroom culture and Technology- Practical	2	02	00	50	50	
1662515		Internship/ Project						

V.S.M.COLLEGE(AUTONOMOUS),RAMACHANDRAPURAM
NAAC Re-accredited with 'B' Grade at 2.69 CGPA
(Affiliated To AdikaviNannayaUniversity,Rajamahendravaram)

ZOOLOGY COURSE STRUCTURE 2020-2021

Semester	Paper	Title	Paper Code	Hrs	Credits	CIA	SEE	Total
First Year								
I	I	Animal Diversity-I Biology of Non-Chordates	2012601	4	4	40	60	100
		Animal Diversity-I Biology of Non-Chordates Practical-I	2012601-P	2	1	0	50	50
II	II	Animal Diversity-II Biology of Chordates	2012602	4	4	40	60	100
		Animal Diversity-I Biology of Chordates Practical-II	2012602-P	2	1	0	50	50
III	III	Cell Biology,Genetics ,Molecular Biology & Evolution	2032603	04	04	40	60	100
		Cell Biology,Genetics ,Molecular Biology & Evolution Lab	2032603 P	02	01	0	50	50
IV	IV	Animal Physiology,Cellular metabolism &Embryology	2042604	04	04	40	60	100
		Animal Physiology,Cellular metabolism &Embryology Lab	2042604 P	02	01	0	50	50
	V	Immunology and	2042605	04	04	40	60	100

		Animal BioTechnology						
		Immunology and Animal BioTechnology Lab	2042605 P	02	01	0	50	50

**ZOOLOGY COURSE STRUCTURE UNDER CBCS
III BSc BZC ZOOLOGY**

SEM ESTER	PAPER	PAPER CODE	TITLE OF THE PAPER	HOURS / WEEK	CREDITS	CI A	SEE	TOTAL 75+ 25	
V	V	1612605	Animal Biotechnology	03	03	25	75	100	
		1612605P	Animal Biotechnology Lab	02	02		50	50	
	VI	1612606	Animal Husbandry	03	03	25	75	100	
		1612606P	Animal Husbandry Lab	02	02		50	50	
*Any one Paper from A, B and C** Any one cluster from I, II and III	VII (A)*	1612607	Immunology	03	03	25	75	100	
		1612607P	Immunology Lab	02	02		50	50	
	VI (B)*	1612608	Cellular Metabolism and Molecular Biology	03	03	25	75	100	
		1612608P	Cellular Metabolism and Molecular Biology Lab	02	02		50	50	
	VII (C)*	1612609	Bioinformatics	03	03	25	75	100	
		1612609P	Bioinformatics Lab	02	02		50	50	
	Cluster VIII - A*	Cluster Electives –VIII-A : Medical Diagnostics							
		1612610	1. Clinical Biochemistry	03	03	25	75	100	
		1612610P	Clinical Biochemistry Lab	02	02		50	50	
		1612611	2. Haematology	03	03	25	75	100	
		1612611P	Haematology Lab	02	02		50	50	
		1612612	3. Haematology	03	03	25	75	100	
		1612612P	Haematology Project Work	02	02		50	50	
	Cluster VIII - B*	Cluster Electives –VIII-B : Aquaculture							
1612613		1. Principles of Aquaculture	03	03	25	75	100		
1612613P		Principles of Aquaculture Lab	02	02		50	50		
1612614		2. Aquaculture Management	03	03	25	75	100		
1612614P		Aquaculture Management Lab	02	02		50	50		
1612615		3. Postharvest Technology	03	03	25	75	100		
1612615P	Postharvest Technology Project	02	02		50	50			
Cluster VIII - C*	Cluster Electives – VIII-C : Sericulture								
	1612616	1. Gen. Sericulture, Mulberry cultivation and Management	03	03	25	75	100		
	1612616P	Gen. Sericulture, Mulberry Cultivation and Management Lab	02	02		50	50		
	1612617	2. Biology of Mulberry Silkworm and Silkworm rearing Technology	03	03	25	75	100		
	1612617P	Biology of Mulberry Silkworm and Silkworm rearing Technology Lab	02	02		50	50		
	1612618	3. Silk Technology, Silk Marketing and	03	03	25	75	100		

		Extension					
	1612618P	Silk Technology, Silk Marketing and Extension Lab	02	02		50	50

VSM COLLEGE (AUTONOMOUS)

Ap Aided Autonomous & NAAC with B Grade at 2.69 CGPA\
(Affiliated to Adikavi Nannaya University, Rajamahendravaram)
Ramachandrapuram - 533255, East Godavari Dist. AP
Department of Telugu

B.Sc.,B.Com.,BBA, COURSE STRUCTURE 2020-21

Semester	Paper Code	Subject	Hours	Credits	Internal	External	Total
I	2010101	తెలుగు ప్రాచీన తెలుగు కవిత్వం సంధి, సమాసము , ఛందస్సు, అలంకారాలు	4	3	40	60	100


CHAIRPERSON
BOARD OF STUDIES

VSM COLLEGE (AUTONOMOUS)

Ap Aided Autonomous & NAAC with B Grade at 2.69 CGPA\
(Affiliated to Adikavi Nannaya University, Rajamahendravaram)
Ramachandrapuram - 533255, East Godavari Dist. AP
Department of Telugu

B.Sc.,B.Com.,BBA, COURSE STRUCTURE 2020-21

Semester	Paper Code	Subject	Hours	Credits	Internal	External	Total
II	2020101	తెలుగు ఆధునిక తెలుగు సాహిత్యం	4	3	40	60	100

VSM COLLEGE (AUTONOMOUS)

Ap Aided Autonomous & NAAC with B Grade at 2.69 CGPA\

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

Ramachandrapuram - 533255, East Godavari Dist. AP

Department of Telugu

B.Sc.,B.Com.,BBA, COURSE STRUCTURE 2020-21

Semester	Paper Code	Subject	Hours	Credits	Internal	External	Total
III	2030101	జనరల్ తెలుగు సృజనాత్మక రచన	4	3	40	60	100

V.S. M COLLEGE (AUTONOMOUS)
RAMACHANDRAPURAM
 BCA/ BBA/ B.SC/ B.COM PROGRAMME
 COURSE STRUCTURE IN ENGLISH UNDER CBCS 2020 - 2021

I - YEAR DEGREE

SEM	Paper	Paper code	Title	Instruction Hrs/ Week	Credits	Exam Hours	Marks	TOTAL
							(Internal/ External)	
I	Paper-I	2010104	General English	4	3	3	40/60	100
II	Paper-II	2010202	General English	4	3	3	40/60	100

V.S.M COLLEGE (AUTONOMOUS)
RAMACHANDRAPURAM
B.SC/ B.COM/ BBA/BCA/ PROGRAMME
COURSE STRUCTURE IN ENGLISH UNDER CBCS 2020-2021

II - Year, III Semester

SEM	Paper	Paper code	Title	Instruction Hrs/ Week	Credits	Exam Hours	Marks	TOTAL
							(Internal/ External)	
3	Paper-III	1630104	General English	4	3	3	25/75	100

V.S.M. COLLEGE (AUTONOMOUS)

RAMACHANDRAPURAM-E.G.Dist.

DEPARTMENT OF SANSKRIT

1 & 2 DEGREE (B.Sc., BBA.,BCA & B.Com.)

I,II&III Semesters

Part –I (ii) Second Language

SANSKRIT

BSc,BBA,BCA & BCOM PROGRAMME – COURSE STRUCTURE IN SANSKRIT UNDER
CBCS 2021-2022

SEM	MODULE	PAPER CODE	INSTRUCTION HOURS/WEEK	CREDITS	EXAM HOURS	INTERNAL & EXTERNAL MARKS		TOTAL
1	Module – 1 Poetry, Prose & Grammar Sanskrit – I	2010102	4	3	3	40	60	100
2	Module – 2 Poetry, Prose & Grammar Sanskrit – I	2020102	4	3	3	40	60	100
3	Module -3 Drama, Upanishad & Grammar Sanskrit – I	2030102	4	3	3	40	60	100

@mahesh
CHAIRPERSON
BOARD OF STUDIES

V.S. M COLLEGE (AUTONOMOUS)
RAMACHANDRAPURAM
BBA/ B.SC/ B.COM PROGRAMME
COURSE STRUCTURE IN ENGLISH UNDER CBCS 2020-2021
II- YEAR DEGREE
Communication and Soft Skills

SEM	Paper	Paper Code	Subject	Instruction Hrs/ Week	Credits	Exam Hours	Marks	TOTAL
							(External)	
3	Paper-II	1630206	CSS-3	2	2	2	50	50
4	Paper-III	1640207	CSS-4	2	2	2	50	50

V.S. M COLLEGE (AUTONOMOUS)
RAMACHANDRAPURAM
COURSE STRUCTURE UNDER CBCS 2020-2021
BUSINESS COMMUNICATION (BC)
SEMESTER-II

SEM	Paper	Paper Code	Subject	Instruction Hrs/ Week	Credits	Exam Hours	Marks	TOTAL
							(External)	
II		2020302	BC	2	2	2	50	50



**VSM COLLEGE(A) :: RAMACHANDRAPURAM
BOARD OF STUDIES MEETING 2020-21
DEPARTMENT OF COMPUTER SCIENCE**

COURSE STRUCTURE

S.No	Life Skill Course	Paper No	Paper Code	Sem	Hrs/Week	Total Hrs	Credits	Marks
1	Basic Computer Applications	LS-1	2010201	I	2	30	2	50
2	Information and Communication Technology	LS-4	2020201	II	2	30	2	50



V.S.M. COLLEGE (A) : : RAMACHANDRAPURAM
NAAC Re-accredited with 'B' Grade at 2.69 CGPA
DEPARTMENT OF BOTANY

SKILL DEVELOPMENT COURSE STRUCTURE

(All Degree(UG) Programmes)

Semester	Subject	Paper Code	Hrs.	Credits	CIA	SEE	Total
FIRST YEAR							
I	Plant Nursery	2010304	2	2	--	50	50
II	Fruit And Vegetable Preservation	2020306	2	2	-	50	50



V.S.M. COLLEGE (A) : :
RAMACHANDRAPURAMNAACR re-
accredited with 'B' Grade at 2.69 CGPA
DEPARTMENT OF ZOOLOGY

SKILL DEVELOPMENT COURSE STRUCTURE
(All Degree(UG) Programmes)

<i>Semester</i>	<i>Subject</i>	<i>Paper Code</i>	<i>Hrs.</i>	<i>Credits</i>	<i>CIA</i>	<i>SEE</i>	<i>Total</i>
<u>First Year</u>							
<i>III</i>	POULTRY FARMING	2030304	2	2	--	50	50

DAIRY FARMINGskill Development course

Objectives:

- 1.To develop skilled technical and managerial manpower in Dairy Technology for the Industry, and Research and Development institutions.
- 2 To develop trained manpower with entrepreneurial skill required to establish, manage and direct small and medium dairy processing enterprise in line with the institutions priority to follow 'Technology for Self Reliance' and "Creation of Rural Employment".
- 3.To train graduates with adequate knowledge of design and fabrication of dairy processing equipments aimed at mechanizing traditional technology.
- 4 To develop graduates with potential for higher education .



V.S.M. COLLEGE (A) : :
RAMACHANDRAPURAM NAAC Re-accredited
with 'B' Grade at 2.69 CGPA
DEPARTMENT OF ZOOLOGY

SKILL DEVELOPMENT COURSE
STRUCTURE

(All Degree(UG) Programmes)

<i>Semester</i>	<i>Subject</i>	<i>Paper Code</i>	<i>Hrs.</i>	<i>Credits</i>	<i>CIA</i>	<i>SEE</i>	<i>Total</i>
<u>First</u> <u>Year</u>							
<i>I</i>	<i>Dairy Technology</i>	<i>2020307</i>	<i>2</i>	<i>2</i>	<i>--</i>	<i>50</i>	<i>50</i>