



S.No	Key Indicators	List of other documents to be kept ready in support of the indicators	Information in support of the key indicators	Any Award/Status	Performance & Weightage (Wt) for the indicators	Key Indicators Grade Point (GAP) - 1A - 1.0 to 2.0, 2B - 2.0 to 3.0	Key Indicators Final Weighted Grade Point (GAPWGP) - GAP x Wt	AGP/WGP as per Academic Council's grading	Grade/Score
6	Teaching-Learning Process	1. Report on student centered methods implemented (Course-wise) 2. Report on implementation of ICT in teaching and learning (Course-wise) 3. Report on implementation of Enterprise Resource system learning (Course-wise) 4. Report on the Use of LMS tools (Course-wise) 5. Contribution for the development of LMS in the concerned subject 6. Research publications/ papers of faculty staff	Course-wise Self-study Reports	NA	NA	B	100		1. All the key indicators -1 Grade point 2. Any three key indicators -2 Grade points 3. Any one key indicator -1 Grade point 4. Below zero-0.0
7	Faculty Profile and Quality	1. Report on Internal/ External Workshops/ Conferences organized 2. Report on Participation in Seminars/ Conferences/ Workshops/ Guest Lectures/ Invited talks 3. Awards and Recognition 4. Participation in Short-term Courses/ Workshops/ Seminars/ FDPs 5. E-Content Development: MOOCs (Massive Open Online Courses) 6. Additional Qualification acquired during the last five years	Reports and Certificates	NA	NA	B	60		1. All the key indicators -1 Grade point 2. Any three key indicators -2 Grade points 3. Any two key indicators -1 Grade point 4. Below zero-0.0
8	Provisional Process and Referee	1. Report on Provisional Evaluation of B.E. 2. Departmental/ Central Seminars, Invited talk and Internal Report 3. Involvement in Seminars/ Conferences 4. Maintaining Marks Register & Result Analysis register	Department-wise reports regarding 1. Mid-terms, Semester Reports, Assignment books, Projects and any other work of Internal Assessment 2. Departmental Internal Marks Register for CVA verified by the Principal	NA NA NA NA	NA	A	90		1. All the key indicators (80000) -1 Grade point 2. Below zero-0.0 3. Above 1.0 - 2.0 -2 Grade points 4. Above 2.0 - 3.0 -1 Grade point 5. Below zero-0.0
9	Student Performance and Learning Outcomes	1. Attendance and Absenteeism of Central Classmates 2. Report on Student centered Student Assessment (Course-wise) 3. Report on various like Quiz, Group Assessment, Peer presentation (Course-wise) 4. Report on Field trips (Course-wise) 5. Report on Student Study projects (Course-wise)	Course-wise Reports	NA/NA	NA	A	90		1. All the key indicators -1 Grade point 2. All the key indicators and any three other -2 Grade points 3. All the key indicators and any two other -1 Grade point 4. Below zero-0.0

S/N	Key Indicator	List of the instruments to be used in a trial of the Indicator	Information sources of the indicator	Key Asset Score	Performance Indicators (PI) for Key Indicator	Key Indicator Weighted Grade Point (KIGP) for Key Indicator	Key Indicator Weighted Grade Point (KIGP) for Key Indicator	Key Indicator Weighted Grade Point (KIGP) for Key Indicator	Comments on the indicator
<b>III-RESEARCH, INNOVATION AND EXTENSION</b>									
4	Participating in Research (Govt./Non-Governmental Bodies)	1. Major Research Projects 2. Major Research Projects 3. Publications Projects	1. Journals 2. Conference Proceedings 3. Books 4. Reports	1 2 3	10	D	0		1. Journals (10 points) - 10 Grade point 2. Conference Proceedings (10 points) - 10 Grade point 3. Books (10 points) - 10 Grade point 4. Reports (10 points) - 10 Grade point
10	Research Publications and Awards	1. Papers published in Journals 2. Books published in Journals 3. Books published in National 4. Papers published in Conferences 5. Papers published in Journals 6. Papers published in Journals 7. Papers published in Journals 8. Papers published in Journals 9. Papers published in Journals 10. Papers published in Journals	1. Journals 2. Conference Proceedings 3. Books 4. Reports	10 10 10 10 10 10 10 10 10 10	10	D	0		1. Journals (10 points) - 10 Grade point 2. Conference Proceedings (10 points) - 10 Grade point 3. Books (10 points) - 10 Grade point 4. Reports (10 points) - 10 Grade point
11	Research Activities	1. Research activities in Journals 2. Research activities in Journals 3. Research activities in Journals 4. Research activities in Journals 5. Research activities in Journals 6. Research activities in Journals 7. Research activities in Journals 8. Research activities in Journals 9. Research activities in Journals 10. Research activities in Journals	1. Journals 2. Conference Proceedings 3. Books 4. Reports	10 10 10 10 10 10 10 10 10 10	10	C	10		1. Journals (10 points) - 10 Grade point 2. Conference Proceedings (10 points) - 10 Grade point 3. Books (10 points) - 10 Grade point 4. Reports (10 points) - 10 Grade point
12	Research Activities	1. Research activities in Journals 2. Research activities in Journals 3. Research activities in Journals 4. Research activities in Journals 5. Research activities in Journals 6. Research activities in Journals 7. Research activities in Journals 8. Research activities in Journals 9. Research activities in Journals 10. Research activities in Journals	1. Journals 2. Conference Proceedings 3. Books 4. Reports	10 10 10 10 10 10 10 10 10 10	10	B	20		1. Journals (10 points) - 10 Grade point 2. Conference Proceedings (10 points) - 10 Grade point 3. Books (10 points) - 10 Grade point 4. Reports (10 points) - 10 Grade point
13	Research Activities	1. Research activities in Journals 2. Research activities in Journals 3. Research activities in Journals 4. Research activities in Journals 5. Research activities in Journals 6. Research activities in Journals 7. Research activities in Journals 8. Research activities in Journals 9. Research activities in Journals 10. Research activities in Journals	1. Journals 2. Conference Proceedings 3. Books 4. Reports	10 10 10 10 10 10 10 10 10 10	10	C	20		1. Journals (10 points) - 10 Grade point 2. Conference Proceedings (10 points) - 10 Grade point 3. Books (10 points) - 10 Grade point 4. Reports (10 points) - 10 Grade point
<b>IV- USE OF INFRASTRUCTURE &amp; LEARNING RESOURCES</b>									
15	Physical Facilities	1. Library 2. Computer Lab 3. Internet 4. Video 5. Audio 6. Visual 7. Multimedia 8. Other	Log books related to these	10	10	A	60		1. Library (10 points) - 10 Grade point 2. Computer Lab (10 points) - 10 Grade point 3. Internet (10 points) - 10 Grade point 4. Video (10 points) - 10 Grade point 5. Audio (10 points) - 10 Grade point 6. Visual (10 points) - 10 Grade point 7. Multimedia (10 points) - 10 Grade point 8. Other (10 points) - 10 Grade point

S.No.	Key Indicator	Set of five statements to be kept ready as a proof of Key Indicator	Information in support of the key indicator	Key Indicators Score	Percentage of Weightage (%) for Key Indicator	Key Indicator Grade Point (A=10, B=8, C=7, D=6)	Key Indicator Weighted Grade Point (A=10, B=8, C=7, D=6)	Key Indicator as per Academic Advisor's grading	Grade Point
<b>V. ROLE IN STUDENT SUPPORT AND PROGRESSION</b>									
16	Student Support	1. Counseling of students by Mentor / Cell teacher a. Student Profile Collection b. Semester wise performance and assessment 2. Any other Study Material / Modules a. Academic guidance for the advanced learner seeking improvement / better grades b. Identifying the slow learners / offering them material / practice books 3. Identifying / Learning Students for CDP / Learning 4. Organizing Participation in Parent Teacher Meetings	Reports in the NAAC format	20 20 20 20	20	A	150		11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point
17	Student Progression	Report on Progression/Leave who student progressed to higher Education / Employment / other ways learning	Reports in the NAAC format	10 10 10	10	B	60		11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point
<b>VI. ROLE IN INSTITUTIONAL GOVERNANCE</b>									
18	Participation in Institutional Governance and Leadership	All activities in Departmental / Unit & Mission and Departmental Action Plan a. Participation in all State institutional committees and organization of convocation program b. Participation in all other institutional activities that focus on value based education c. Contribution to IGAC / quality initiatives	Reports in the NAAC format	10 10 10 10	10	A	130		11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point
<b>VII - BEST PRACTICES</b>									
19	Best Practices	Identify, Develop and Communicate in all The Departmental Best practices / Institutional Best practices	Reports in the NAAC format	20 20	20	A	60 130		11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point 11.60 Four key indicators *11 Grade point
Total Grade points				100					

Name & Signature of the Principal

Name & Signature of the Academic Advisor

*P. Ramesh*  
**PRINCIPAL**  
 S.R. Government Degree College (Women)  
 RAJAMAHENDRAVARAM  
 East Godavari Dist., Andhra Pradesh





# TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject: Chemistry  
 Name of the Lecturer: V. B. T. Sundar

Month & Year: Nov, 2022

S. No.	Date	Day	Class	Period / Time	Unit	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students started	Teaching Aids Used	Student Activity Conducted	Remarks
1	20/11/22	Tue	III BSc	2	10:00	T	Principles of volumetric analysis	Lecture	13	Black board		
			III BSc	4	10:00	P	analytical estimation of hardness of water	Method		chalk piece		
				5				Practical	13	classroom		
				6								
			III BSc	8:30 AM	11:00 AM	P	volumetric analysis	Practical	9	classroom		
2	21/11/22	Wed	III BSc	2	10:00	P	explanation of practical procedure	Practical	16	Manual		
				3	10:00	P						
				4:30	11:00	P	Hardness of water	Practical	11	classroom		
						T	Barium, calcium	Inference method	35	Black board		
			III BSc	6		P						Holiday
				5	10:00	P	Expt with field trip to III BSc (10:00 AM - 11:00 AM)		44			Field Trip to AP State Government water Dept. Sweet house
				6		P						
3	22/11/22	Thu	III BSc	2	10:00	T	Neutralization Titrations, Redox Titrations	Lecture	16	black board		
								Method		chalk piece		
4	23/11/22	Fri	III BSc	4	10:00	P	explained procedure for paper chromatography	Practical	21	classroom	chromatography paper	
				5:00	10:00	P	Expt with field trip to III BSc (10:00 AM)		45			Practical field trip to AP State Government water Dept.
							students					
							Sunday					
							Applied Casual leave					
5	24/11/22	Tue	III BSc	2	10:00	P	Demonstration class about errors	Practical	16	chemicals		
				3	10:00	P		Practical	11			
			III BSc	8:30 AM	11:00 AM	T	pipette, burette, volumetric flask	Lecture Method	14			Group discussion for III BSc students on Organic reactions

V. B. T. Sundar  
Signature of the Lecturer

H. S. S. S. S.  
Signature of the Department In-Charge

[Signature]  
Signature of the Principal

# TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject: Chemistry  
 Name of the Lecturer: V B T Sundari

Month & Year: Dec, 2022

S. No.	Date	Day	Class	Period / Time	Mode	Theory / Practical	Topic Covered	Methodology Adopted	No. of Slides / Standards	Teaching Aids Used	Student Activity Conducted	Remarks
60			TE 20	2	MP	T	Extraction process	Lecture	18	Black board		
61				3	MP	P	Dichrometry	Practical	17	Burette		
62				5	MP	P	Estimation of Iron	"	17	Burette		
63				6	MP	P	Estimation of Fe <sup>2+</sup>	"	18	chemicals		
64			TE 20	2	SP	T	Group Separation table, Iodi	Practical	13	chemicals		
65				3	SP	T	iodine table	"	13	chemicals		
66			TE 20	4	MP	T	No admissions	-	-	-	-	-
67			TE 20	2	MP	T	characteristics of 1 block	Lecture	36	LMS lesson		
68			TE 20	4	MP	P	Dichrometry	Practical	14	chemicals		
69				5	MP	P	"	Practical	14	chemicals		
70				6	MP	P	"	"	14	chemicals		
							Applied casual leave					
							Christmas Eve					
							Sunday					
							Boxing day					
71			TE 20	3	MP	T	Mid Exam - I	-	12	-		Mid Exam - I for 2022
72				4	MP	P	potometry	Practical	11	instrument		
73				5	MP	P	"	"	11	"		
74				6	MP	P	"	"	11	"		
75				7	MP	P	Estimation of Fe(II)	"	11	chemicals		
76			TE 20	2	MP	P	Mercuric Analysis I	Practical	13	chemicals		
77				3	MP	P	"	"	13	"		
78			TE 20	2	MP	T	Mid Exam - I	-	14	-		Mid Exam - I for 2022
79				4	MP	P	Ordnometry - Estimation	Practical	11	chemicals		
80				5	MP	P	of Iron	"	11	"		
81				6	MP	P	"	"	11	"		
82			TE 20	2	MP	T	Mercuric Analysis - Precipitation	L	14	LMS lesson		
83			TE 20	4	MP	P	Dichrometry	Practical	18	chemicals		
84				5	"	P	Estimation of Iron	"	18	"		
85				6	"	P	"	"	18	"		

V B T Sundari  
Signature of the Lecturer

V B T Sundari  
Signature of the Department In-Charge

[Signature]  
Signature of the Principal



# TEACHING DIARY FOR THE YEAR 2021 - 2022

 Name of the Department / Subject: Chemistry

 Name of the Lecturer: V. S. S. S.

 Month & Year: July 2022

S. No.	Date	Day	Class	Period / Time	Topic	Theory / Practical	Topic Covered	Methodology / Material	In. & Out. (if needed)	Learning Aids Used	Student Activity / Feedback	Remarks
	10/7/22	Tue	2nd	8	EM	T	substitution in inorganic	lecture	10/11	black board		
							additioned benzene	method		black board		
							conductivity	practice of it		black board		
	11/7/22	Wed	2nd	8	EM	T	Organometallic compounds	lecture	10/11	black board		
							classification of organometallic	method		black board		
							an work (Criteria 2 work)					
	12/7/22	Thu	2nd	8	EM	T	Kohlshueller laws and its applications	Lecture also	10/11	black board		
								method		black board		
	13/7/22	Fri	2nd	8	EM	P	Correction work	Practice	10/11	Correction work		
							Estimation of Iron					
	14/7/22	Sat	2nd	8	EM	T	Analysis of acetylinic hydrogen	Revision	10/11			Revision
	15/7/22	Sun										
	16/7/22	Mon	2nd	8	EM	T	Amino acids, stork's synthesis	Revision	10/11			Revision
							Criteria - 2 work					
	17/7/22	Tue	2nd	8	EM	P	Estimation of $CO_3^{2-}$ & $HCO_3^-$ in a given mixture	practice of it	10/11	Blackboard		
	18/7/22	Wed	2nd	8	EM	T	colloids - electrical properties	lecture	10/11			
								method				
	19/7/22	Thu	2nd	8	EM	T	Preparation of alkanes	study	10/11			
								hour				
	20/7/22	Fri	2nd	8	EM	T	department work					

 Signature of the Lecturer: V. S. S. S.

 Signature of the Department In-Charge: [Signature]

 Signature of the Principal: [Signature]

## TEACHING PLAN (SYNOPSIS)

Month: November, 2022 Subject: Chemistry  
 Topic: Quantitative analysis - I Paper: V Sem, VI<sup>B</sup>

Hours Required	3 hrs
Learning Objectives	Principles of volumetric analysis, standard solution, primary standards, secondary standards
Previous Knowledge to be reminded	Stoichiometry, Molarity
Topic Synopsis	

The methods employed in quantitative chemical analysis are generally divided into two classes, volumetric and gravimetric.

Volumetric analysis (titrimetry) relies on methods involving accurate measurement of volume of liquid, though one or more weighings may also be needed.

Essential condition for accurate titrimetry:  
 Terms used in volumetric analysis:

1. Titrant
2. Titrant
3. Titrant
4. Equivalence point
5. Indicator
6. End point
7. Titration error
8. Standard solution: A solution of known strength
9. Known as standard solution

Thrust areas	Redox titrations
Skill to be learnt by Student	
Examples/illustrations	$K_2Cr_2O_7, I_2, Cu^{2+}$
Additional facts	G.M.W, G.E.W

Teaching Models used	
Teaching Aids used	Black board & chalk piece
References cited	Quantitative analysis by Vogel
Student Activity planned after the teaching	Important key points
Activity planned outside classes	Assignment
Any other	

Normality:  $N = \frac{\text{no. of g.e.w of solute}}{\text{no. of litres of solution}}$

Molarity:  $M = \frac{\text{no. of g.m. of solute}}{\text{lit. of solution}}$

- Classification of titrimetric reactions
1. Acid-base reactions or neutralisation reactions
  2. Oxidation-reduction
  3. Redox-titrations
  4. Complex formation reactions

Acid-base indicators

Theory of indicators:

1. Ostwald's theory
2. Bjerrand theory

Choice of indicators

Redox-titrations:

Indicators for Redox-titrations:

1. Self indicators: eg.  $KMnO_4$
2. External indicators: eg. potassium ferricyanide
3. Redox indicators: eg. diphenyl amine

Precipitation Titrations:  
 $AgNO_3 + NaCl \rightarrow NaNO_3 + AgCl$

Mercurimetric Titrations:  
 Titrations involving the use of complexones are known as complexometric titrations

P. Srinivasulu Reddy  
 Lecturer





**S K R COLLEGE FOR WOMEN**  
**RAJAMAHENDRAVARAM**  
(Re-Accredited by NAAC B+ Grade) : Affiliated to Adikavi Nannaya University)  
**DEPARTMENT OF CHEMISTRY**  
**BRIDGE COURSE**

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“THE ESSENCE OF EDUCATION LIES IN DRAWING OUT THE VERY BEST THAT IS IN YOU”

A bridge course is a series of classes that help students transition from Intermediate level to graduation by providing them with necessary skills and knowledge about topics that will be covered in their new course.

**Objectives :**

- The main objective of the course is to bridge the gap between subjects studied at pre-university level and subjects they would be studying in B.Sc Course.
- To enrich the students to learn basic concepts in the subjects of B.Sc I semester.
- To give students confidence and skills to successfully transform to college and new curriculum.
- Interactive and Active Learning by doing have been weaved into the Bridge Course.
- Active Learning with the help of other/ peer students.
- To achieve the concept of Assisted Learning.

**Standard Operating Procedure**

- A Bridge Course for newly admitted B.Sc Students is conducted every year before commencement of First Semester Classes. The syllabus for the B.Sc course is designed in such a way that, equal importance is given to both Chemistry discipline subjects and personality development.
- Bridge Course helps the students to open up, think creatively and become responsible and independent students. It also helps smooth transition to Chemistry course. The sound grasp of the fundamentals of Chemistry and Management subjects by the students lays the strong foundation for the entire Three/ Four Years Programme.
- **Highlights of the Bridge Course:**

**1) States of Matter**

Dr.M.Sunitha, Faculty, Department of Chemistry explained in detail about 1. The three states of matter 2. Intermolecular interaction 3. Hydrogen bonding 4. The gaseous state 5. Boyle's law, Charles law. 6. Gay Lussac's law, Avogadro law 7. Kinetic theory - molecular speeds 8. Liquid state 9. Vapour pressure 10. Surface tension 11. Viscosity. lecture come demonstration method atomic model blackboard

**2) Periodic table**

Smt. V.B.T.Sundari Faculty, Department of Chemistry explained about Overview of Periodic table Periodic trends in properties of Elements - a) Atomic radius b) Ionization potential c) Electro negativity d) Ionic radius e) Density.

**3) Fundamentals of Organic Reaction Mechanism:**

Smt. V.B.T.Sundari, Department of Chemistry explained about the basic concepts stability of Carbocation, Carbanion, and Carbon free radical 2. Types of Reagents- Electrophiles and Nucleophiles 3. Curved arrow notations, cleavage of bond-homolytic and heterolytic cleavage 4. Resonance effect, Inductive effect, Mesomeric effect and Steric effect 5. Types of reactions- Addition, Elimination, Substitution, and Rearrangement

**4) Structure of Atom:**

Dr.M.Sunitha, Faculty, Department of Chemistry gave an Overview of Structure of Atom Quantum number - i) Principal quantum number ii) Azimuthal quantum number iii) Magnetic quantum number iv) Spin quantum number, Shape of orbitals - a) s - orbital b) p - orbital c) d - orbital a) Aufbau principle b) Pauli's exclusion principle c) Hund's rule.



**ACTION PLAN / REPORT ON BRIDE COURSE**  
**FOR THE ACADEMIC YEAR 2022-2023**

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Date	Time/ Hour	Topic	Content/Activity	Resource Person
07/11/22	4 <sup>th</sup>	States of Matter	1. The three states of matter 2. Intermolecular interaction 3. Hydrogen bonding 4. The gaseous state 5. Boyle's law, Charles law. 6. Avogadro law 7. Kinetic theory - molecular speeds 8. Liquid state 9. Vapour pressure 10. Surface tension 11. Viscosity.	Dr.M.Sunitha
10/11/22	2 <sup>nd</sup>	Overview of Periodic table	Periodic trends in properties of Elements - a) Atomic radius b) Ionization potential c) Electro negativity d) Ionic radius e) Density.	Smt.V.B.T.Sundari
11/11/22	4 <sup>th</sup>	Fundamentals of Organic Reaction Mechanism	1. stability of Carbocation, Carbanion, and Carbon free radical 2. Types of Reagents- Electrophiles and Nucleophiles 3. Curved arrow notations, cleavage of bond-homolytic and heterolytic cleavage 4. Resonance effect, Inductive effect, Mesomeric effect and Steric effect 5. Types of reactions- Addition, Elimination, Substitution, and Rearrangement	Smt.V.B.T.Sundari
12/11/22	1 <sup>st</sup>	Structure of Atom	i) Principal quantum number ii) Azimuthal quantum number iii) Magnetic quantum number iv) Spin quantum number, Shape of orbitals - a) s – orbital b) p – orbital c) d – orbital a) Aufbau principle b) Pauli's exclusion principle c) Hund's rule	Dr.M.Sunitha



**S K R COLLEGE FOR WOMEN**  
**RAJAMAHENDRAVARAM**  
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**DEPARTMENT OF CHEMISTRY**  
**BRIDGE COURSE – 2022-2023**

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- 1) **Dr.M.Sunitha, Faculty, Department of Chemistry giving an Overview of States of Matter**



- 2) **Smt. V.B.T.Sundari, Faculty, Department of Chemistry explain about Fundamentals of Organic Reaction Mechanism**



**3.Dr.M.Sunitha, Faculty, Department of Chemistry giving an Overview of structure of Atom.**



**4. Smt. V.B.T.Sundari, Faculty, Department of Chemistry explain about Fundamentals of Periodic table**







# S.K.R. GOVERNMENT DEGREE COLLEGE (WOMEN)



RAJAMAHENDRAVARAM

Re-Accredited at B<sup>+</sup> Grade by NAAC- Affiliated to Adikavi Nannaya University

DEPARTMENT OF CHEMISTRY

ACTION PLAN FOR THE YEAR 2022-2023

S.No	Date/Month	Proposed Activities	Remarks
1	September-2022 1 Week	Preparation of Annual action Plan	Prepared
	2 W/16/09/2022	Observed "World Ozone Day"	Conducted
	3 Week	Started Internship for II Year V SEM students	Sent to internship
	4 Week	Remedial coaching for I BSc students	conducted
2	October-2022 1 Week	Reports about activities conducted by the department	Prepared
	2 Week	Celebrations -Noble Prize winners in chemistry-2022	Presented poster
	3 Week	Orientation program for Degree First year students	Conducted
	4 Week	bridge course for the I Year students	Conducted
3	November-2022 1 Week	Inter collegiate Quiz	Not conducted due to Semester end Examinations
	2 Week	birth anniversary of Marie curie- Noble Prize winner 2 times	conducted
	3 Week	Guest Lecture	Conducted
	4 Week	Assignment for III BSc students	conducted
4	December-2022 I Week	invited lecture on Chromatography	Conducted
	II Week	I Midterm examinations schedule released for III,II & I Year students	conducted
	III Week	Assignment	Conducted



	IV Week	Planning to conducted Book Bank	Conducted
5	January-2023 I Week	Field visit Ratna plastics	Conducted
	II Week	Sankranti sambaralu	Conducted
	III Week	student seminars	Conducted
	IV Week	beautify the college campus	Conducted
6	February-2023 I Week	guest lecture on Spectroscopy	Conducted
	II Week	II Midterm examinations schedule released for III,II & I Year students by the university	Conducted
	III Week	Remedial Coaching	Conducted
	IV Week	Students feedback/ National Science day- Fiesta celebrations	Conducted
7	March-2023 I Week	study hours	conducted
	II Week	Preparation of e-content (even sem)	Prepared
	III Week	Preparation of curricular plans for even sem	prepared
	IV Week	III Year students Internship	Conducted
8	April - 2023 I Week	Assignment	Conducted
	II Week	Students Group Discussion	
	III Week	Assignments	Conducted
	IV Week	Conduct of online Quiz	
9	May - 2023 I Week	I Midterm examination for II & I Year	Conducted
	II Week	Conduct of student seminars	Conducted
	III Week	Lab to Farm	
	IV Week	Conduct of Guest Lecture	Conducted
10	June - 2023 I Week	Field visit for I Year students	Conducted
	II Week	II Midterm examinations for II & I Year (Online)	Conducted
	III Week	Remedial Coaching / Departmental feedback	Conducted
	IV Week	Conduct of study hours / Institutional feedback.	Conducted

Programme	Course	Programme outcomes
BSC Semester	MPC& CBZ Name of the course	<p>1. Understand the environment functions and how it is in balance by human activities.</p> <p>2. Acquire chemical knowledge to ensure sustainable use of the world's resources and ecosystems services.</p> <p>3. Engage in simple and advanced analytical tools used to measure the different types of pollution.</p> <p>4. Knowledge about the energy crisis and different aspects of sustainability.</p> <p>5. Gain the knowledge of chemistry through theory and practice.</p> <p><b>Course out comes</b></p>
Sem-1	Inorganic and Physical Chemistry	<p>Understand the basic concepts of p-block elements</p> <p>Explain the difference between solid, liquid and gases in terms of intermolecular interactions.</p>
Sem-2	Organic & General Chemistry	<p>Understand and explain the differential behaviour of organic compounds based on fundamental</p> <ul style="list-style-type: none"> <li>• Concepts learnt. Formulate the mechanism of organic reactions by recalling and correlating the fundamental</li> <li>• properties of the reactants involved Learn and identify many organic reaction mechanism including Free Radical Substitution,</li> <li>• Electrophilic Addition and Electrophilic Aromatic Substitution.</li> <li>• Correlate and describe the stereochemical properties of organic compounds and reactions.</li> </ul>
Sem-3	Organic chemistry & Spectroscopy	<p>Understand preparation, properties and reactions of haloalkanes, haloarenes and oxygen</p> <ul style="list-style-type: none"> <li>• Containing functional groups. Use the synthetic chemistry learnt in this course to do functional group transformations.</li> <li>• To propose plausible mechanisms for any relevant reaction</li> </ul>
Sem-4	Inorganic, Organic and Physical Chemistry	<p>To learn about the laws of absorption of light energy by molecules and subsequent photochemical reactions.</p> <p>To understand the concept of quantum efficiency and mechanisms of photochemical reactions.</p>
Course 5	Inorganic & Physical Chemistry	<p>Understand concepts of boundary conditions and quantization, probability distribution, most probable values, uncertainty and expectation</p>
Sem-5	Analytical Methods in Chemistry-1	<p>Identify the importance of solvent extraction and ion exchange method.</p> <p>Acquire knowledge on the basic principles of volumetric analysis and gravimetric analysis.</p> <p>Demonstrate the usage of common laboratory apparatus used in quantitative analysis.</p> <p>Understand the theories of different types of titrations.</p> <p>Gain knowledge on different types of errors and their minimization</p>
	Analytical Methods in Chemistry-2	<p>Identify the importance of chromatography in the separation and identification of compounds in a mixture</p> <p>Acquire a critical knowledge on various chromatographic techniques.</p> <p>Demonstrate skills related to analysis of water using different techniques.</p> <p>Understand the principles of spectro chemistry in the determination of metal ions.</p>





**S.K.R. College for Women**



Rajahmendravaram, East Godavari District, Andhra Pradesh

Re-Accredited by NAAC with "B" Grade, Affiliated to Adikavi Nannaya University

**Department of Chemistry**  
**Organized Work Shop on**  
**Qualitative Techniques for Micro Analysis**

Date-05/03/2022

The rising cost of chemicals and decreased flow of funds are causing great concerns to the chemistry teachers. A tug - of - war had also been going on in recent years, to balance the budget of running practical courses and the standards of experiments to be carried out by the students. Since the economy is always the winner, the number of experiments had been the losers. A group of scientists from University of Pune and Ferguson College, Pune are striving hard to maintain the standards of experiments at a friendly budget i.e., by adopting to preparations on a micro scale and carrying out reactions in capillaries / tiles.

Their attempts serve many purposes.

- (i). Cuts down the cost of chemicals.
- (ii). Experiments have become environment friendly.
- (iii). Less time consuming
- (iv). Less hazardous to the teachers, students and lab assistants.

In this connection, a one day workshop is being organized in our College with the support of **Dr.D.Suneetha**, Lecturer in Chemistry, Govt. (Autonomous) college, Rajahmundry, **Dr.T.Sreevarm**, Lecturer in Chemistry, Govt. (Autonomous) college, Rajahmundry and **Dr.P.Trinadha Raja**, Junior Lecturer in Chemistry, Govt. Jr. college, Korukonda as the recourse persons. All the students are very much impressed with the micro management technique and acknowledge their feelings positively. In our college

we adopted micro scale experiment methods.







# Discovery of Medicines


On 27<sup>th</sup> March 2023 at 10:00 A.M

ZoomMeet : <https://us06web.zoom.us/j/89738543721?pwd=RER1UGVvUHIDbi8xTW44WW1JTXVRQT09>

YouTubeLive: <https://youtube.com/live/7teqzbY6ONA?feature=share>



**SKR GOVERNMENT DEGREE COLLEGE (W)**  
RAJAMAHENDRAVARAM, Estd.1968  
Reaccredited at Grade B<sup>+</sup> by NAAC  
Affiliated to Adikavi Nannaya University




**ONE DAY INTERNATIONAL WEBINAR**  
On  
**DISCOVERY OF MEDICINES**  
Organized by  
**DEPARTMENT OF CHEMISTRY**  
27<sup>th</sup> March, 2023 from 10:00 am to 1:00 pm


Resource Persons



**Dr. Setubas Rao Karra**  
Director of Chemistry  
Amler  
Amler Therapeutics, Waltham  
Massachusetts, USA



**Dr. Paul Douglas Sanni**  
Associate Professor  
Dept. of Engineering Chemistry  
Andhra University  
Vishakhapatnam, Andhra Pradesh



**Dr. B. Satyanarayana**  
Asst. Professor  
Dept. of Chemistry  
Govt. MGM PG College  
Rani, Malluysa Pradesh

Chief Patron



**Dr. P. S. Bhaskar**  
Commissioner  
Collegiate Education  
Govt. of Andhra Pradesh

Patron



**Dr. P. Raghava Kumari**  
Principal  
SKR Govt. Degree College (W)  
Rajamahendravaram


Organizing Committee

**Organizing Secretary**  
**Dr. M. Sunitha**

**Members**  
**Dr. Ch. V. V. Srinivas**  
**Smt. V. B. T. Sundari**  
**Smt. N. Swathi**  
**Smt. P. N. L. Prasanna**  
**Smt. N. S. V. Sravani**

[CLICK HERE TO REGISTER](#)

Click the Icons to join the session

**Feedback**

You can download your E-Certificates by clicking this icon from 28<sup>th</sup> March, 2023 (Sun) only after submitting feedback





## BRIEF REPORT ON WEBINAR

The Department of Chemistry organised a webinar

Topic- **Discovery of Medicines**" on 27thMarch2023at10:00A.M,

through the ZOOM platform.

College Principal Dr.P.RaghavaKumari started with opening remarks and explained the essence of the Webinar.

1) Dr Paul Douglas Sanasi,Associate Professor,AU College of Engineering(A), Andhra University has deliveredKey note address on the topic ,the importance of the drug synthesis, analysis of impurities and identification of source of impurities at lower concentrations during the metabolism.

2) Dr SrinivasaRaoKarra, Director of Chemistry,Avilar Therapeutics,Massachusetts, USA. He explained about the discovery of medicines, causes for diseases and functions of medicines to control the diseases.

3)Dr B .Satyanarayana Assistant Professor Department of Chemistry, MGM PG College, Itarsi, Madhya Pradesh explained the history and discovery of medicine and drug delivery systems.

We received good response from the audience and they gave very good feedback.

We thank Commissioner of Collegiate Education Dr Pola Bhaskar, Principal Dr P RaghavaKumari ,HODs ,faculty members, participants and other officials for their active support for making the program very successful.

In this webinar from all over India 329 teachers, students, academicians and researchers participated actively.



Principal

SKRG D C (W),

Rajamahendravaram

# SKR GOVERNMENT DEGREE COLLEGE(W), RAJAMAHENDRAVARAM

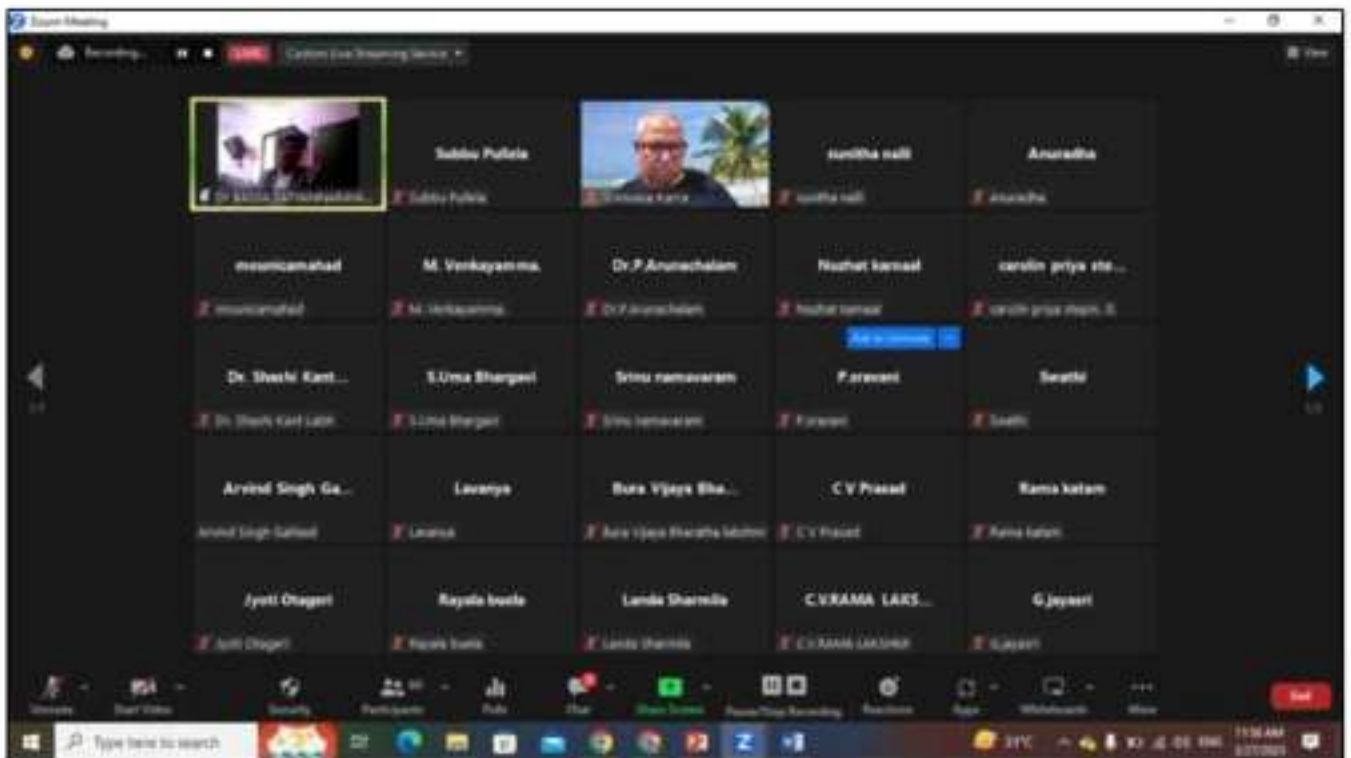
## Registrations

108	3-27-2023 11:08:58	ajaym50143@gmail.com	Ajay Patel	Male	Student	Ayodhya	Ayodhya	Uttar Pradesh	737637768	Science
109	3-27-2023 11:10:10	durgasavanilochan2000@rediffmail.com	KOCHERLA DURGA	Female	Student	Andhra University	Visakhapatnam	Andhra Pradesh	753628916	Science
110	3-27-2023 11:11:43	asadahmad6413@gmail.com	Mohd Asad Anzar	Male	Student	K. S Saket P. G. Collg	Ayodhya	Uttar Pradesh	6388497202	Science
111	3-27-2023 11:13:40	ry1683311@gmail.com	Mr. Rohit Yadav	Male	Student	K. S Saket P. G. College	Ayodhya	Uttar Pradesh	8543969478	Science
112	3-27-2023 11:14:20	mohdshoaib91199@gmail.com	Mohd Shoab	Male	Student	K. S Saket Pg college	Ayodhya	Uttarpradesh	885831187	Science
113	3-27-2023 11:16:47	gumdarajchem66@gmail.com	Gumda Raju	Male	Faculty	Get Degree College	Nandkollur, Nandyal	Andhrapradesh	9618621962	Science
114	3-27-2023 11:21:15	sakrishnamsc@gmail.com	PECHETTY SAI KRISHNA	Male	Faculty	WV GOVERNMENT	Kuthapeta	Andhra Pradesh	9849115488	Science
115	3-27-2023 11:22:47	ry1683311@gmail.com	Mr. Rohit Yadav	Male	Student	K. S Saket P. G. College	Ayodhya	Uttar Pradesh	8543969478	Science
116	3-27-2023 11:23:53	anuradhabest@gmail.com	Dr. B. Anuradha Suryak	Female	Asst. Professor	Dr. B. Anuradha Suryak	Rajamahendravaram	AP	9899654574	Arts
117	3-27-2023 11:25:17	tharganarivas2028@KANDIVALASA@rediffmail.com	THARGANARIVAS	Female	Student	ANDHRA UNIVERSITY	VISAKHAPATNAM	ANDHRA PRADESH	819629302	Science
118	3-27-2023 11:26:45	mohdshoaib91199@gmail.com	Mohd Shoab	Male	Student	K. S. Saket pg college	Ayodhya	Uttarpradesh	885831187	Science
119	3-27-2023 11:28:00	moheshwamc236@gmail.com	Mr. Shivam Mohra	Male	Student	Department of chemist	Ayodhya	UTTAR PRADESH	9116289123	Science
120	3-27-2023 11:35:28	sathishsankumar23@SUNIL@rediffmail.com	SUNIL KUMAR	Male	Research Scholar	Andhra University	Andhra University, visakhapatnam	Andhrapradesh	7589628972	Science
121	3-27-2023 11:42:30	arunvelugata16@gmail.com	VELUGULA ARUN	Male	Student	Andhra University	colg Visakhapatnam	Andhra Pradesh	9849224683	Science
122	3-27-2023 11:44:33	arishen47@gmail.com	Mr. Arif Kumar Nimra	Male	Research Scholar	Andhra University	Visakhapatnam	Andhra Pradesh	9291657388	Chemistry
123	3-27-2023 11:46:57	vasundharagiri@gmail.com	GORLE VASUNDHARA	Female	Student	SKR GDC( W)	Rajamahendravaram	Andhra Pradesh	9398127429	Discovery of medicine
124	3-27-2023 12:13:05	lakshynganapath@gmail.com	Mrs. Boddiga Lakshmi	Female	Research Scholar	Andhra University	Visakhapatnam	Andhrapradesh	8247940248	Science
125	3-27-2023 12:24:59	jothi_boddiga2013@gmail.com	Mrs. Boddiga Jothi	Female	Asst. Professor	OET College	Rajamahendravaram	Andhra Pradesh	6393967671	Science
126	3-27-2023 12:31:26	arptmaurya100@gmail.com	Arpit Kumar Maurya	Male	Student	Saket P. G. College	Ayodhya	Uttar Pradesh	7389525632	Science
127	3-27-2023 12:38:57	vijaykumar340@gmail.com	Rajesh	Male	Student	K. S. SAKET PG COLI	VIL. Ranpur post dher Basti (up)		8821384548	Science

## Feed back

Sr	TimeStamp	Email Address	Full Name	Gender	Designation	Name of the organ/col/Place?	State?	Mobile number?	How would you rate it?	
1	3-27-2023 12:51:52	aadhisrinipich@gmail.com	Ms. Aadhis Srin	Female	Student	Govt. MGM PG College/karsi	Madhya Pradesh	9131889612	5	
2	3-27-2023 12:58:29	agnishom_cdfu@gmail.com	Dr. Dhanendra Kumar	Male	Asst. Professor	Government PG College/Hasanpur	UP	9412868889	5	
3	3-27-2023 12:59:11	scorillatngnyia7@gmail.com	Ms. G. Corin Phya	Female	Research Scholar	Sadakkathullah Appa C Trust/Vel	Tamil Nadu	8344798853	5	
4	3-27-2023 12:59:43	agnishom_javan501@gmail.com	Mr. Pravin Kumar Agni	Male	Faculty	Kothwal Dental College/Mirzapur	UP	9458892918	6	
5	3-27-2023 13:00:42	nuzhatkamaal72@gmail.com	Mrs. NUZHAT KAMAAL	Female	Student	K. S SAKET P. G. COLAYODHYA	UTTARPRADESH	8654E33738	5	
6	3-27-2023 13:02:55	ranjaneed@gmail.com	PERNEEDI RAMA LAKSHMI	Female	Student	ANDHRA UNIVERSITY	VISHAKHAPATNAM	ANDHRA PRADESH	7913529896	5
7	3-27-2023 13:03:02	indimathu@gmail.com	Mr. S. MUTHUVEL	Male	Research Scholar	St. John's College, Palayamkotta	Tamil Nadu	8429177825	4	
8	3-27-2023 13:04:36	spobolam@gmail.com	Dr. S. PAUL DAVID SE	Male	Asst. Professor	ST JOHN'S COLLEGE, TRIMELVELU	TAMILNADU	9842677399	4	
9	3-27-2023 13:04:38	cynthia3060331@gmail.com	Ms. P. Cynthia	Female	Research Scholar	St John's college palayamkotta	Tamil Nadu	9361424988	3	
10	3-27-2023 13:04:53	mehyash@gmail.com	Dr. L. N. Mehya	Male	Asst. Professor	SBS Govt. P. G. Collg Pipariya	Madhya Pradesh	9893644952	4	
11	3-27-2023 13:05:06	prngemakar@gmail.com	Mr. Mahesh C. Prng	Male	Student	MGMHS School Of Pimpri Mumbai	Maharashtra	8194937563	5	
12	3-27-2023 13:05:09	elita_ekta2599@yahoo.com	Dr. Elita Arora	Female	Asst. Professor	Government College Nizamal	Haryana		3	
13	3-27-2023 13:06:03	sumathyasavanan31@rediffmail.com	Dr. R. SUMATHY	Female	Asst. Professor	Dr. G. R. DAMODARAN COMBATOORE	TAMILNADU	9865141761	5	
14	3-27-2023 13:10:06	anuthasasikumar3654@rediffmail.com	Dr. M. Anutha	Female	Asst. Professor	St. John's college palayamkotta	Tamil Nadu	8672679885	4	
15	3-27-2023 13:11:07	srinivasanganadham1@gmail.com	Ranganadham srinivas	Male	Student	Andhra university	Visakhapatnam	Andhra Pradesh	7660961848	5
16	3-27-2023 13:11:34	sumathyasavanan31@rediffmail.com	Dr. R. SUMATHY	Female	Asst. Professor	Dr. G. R. DAMODARAN COMBATOORE	TAMILNADU	9865141761	5	
17	3-27-2023 13:11:47	malleeswararada@gmail.com	Varada Malleeswar	Female	Student	Andhra University	Parathipuram	Andhrapradesh	7337341626	6
18	3-27-2023 13:11:58	rajumarikand964@gmail.com	Mr. Raj Raj Kumar	Male	Student	Andhra University	VISAKHAPATNAM	Andhra Pradesh	8387442038	5
19	3-27-2023 13:11:59	st895789566@gmail.com	Shivam towar	Male	Student	Saket pg college ayodhya	U.P	8957895660	5	
20	3-27-2023 13:12:41	rohinchavan291193@gmail.com	Mrs. Rohin Sufbar	Female	Research Scholar	N. E. S. Science Coll/Nanded	MAHARASHTRA	8421718798	5	

# SKR GOVERNMENT DEGREE COLLEGE(W), RAJAMAHENDRAVARAM





**MEMORANDUM OF UNDERSTANDING (MOU)**  
**BETWEEN**  
**DEPARTMENT OF CHEMISTRY**  
**SMT.KANDUKURI RAJYALAKSHMI COLLEGE FOR WOMEN,**  
**RAJAMAHENDRAVARAM, ANDHRAPRADESH**  
**AND**  
**QREN LIFESCIENCES PVT. LTD.**  
**AMEERPET, HYDERABAD,**  
**TELANGANA, INDIA**

This Memorandum of Understanding (MOU) sets for the terms and understanding for training and employment possibilities for the students of "Department of Chemistry", S.K.R.COLLEGE FOR WOMEN, Rajamahendravaram.

Objectives of the MOU:

The objectives of MOU are:

- To promote and enhance interest between students of Chemistry Department, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and QREN LIFESCIENCES PVT.LTD., AMEERPET, HYDERABAD, TELANGANA, INDIA.
- To provide advice for implementation of quality education at Department of Chemistry, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram.
- To bridge the gap between the requirements of the potential employers and education by providing skill-development programmes for the improvement of employability of the students.
- The two institutions will encourage direct contact and cooperation between students and experts in this field for the exchange of facilities and equipment.
- The above goals will be accomplished by the activities such as educational visit, short-term training and internships.
- Recognise the mutual interest in the fields of training and development and dissemination of knowledge.

**Proposed modes of Collaboration**

Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and QREN LIFESCIENCES PVT.LTD., Ameerpet, Hyderabad, Telangana, India proposed to collaborate through the following:

- Cooperation and promotion of education, training and research in the areas of mutual interest.
- Any other appropriate mode of interaction agreed upon between Department of Chemistry, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and QREN LIFESCIENCES PVT.LTD., Ameerpet, Hyderabad, Telangana.
- A specific plan will be worked out by the institute depending upon availability of resource.
- A specific agreement will be entered into for each activity.


### TERMS AND CONDITIONS

**Duration:** This MOU is at will and may be modified by mutual consent of authorized officials from the list partners.

**Coordinators:** College and QREN LIFESCIENCES PVT.LTD., Ameerpet, Hyderabad, Telangana will designate persons who will have responsibility for co-ordination and implementation of this agreement.

**Signed in Duplicate:** This MOU is executed in duplicate with each copy being an official version and having equal legal validity.

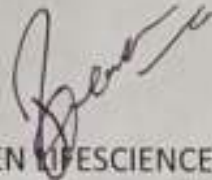
By signing below the institutes acting by their duly authorised Officer, have caused this memorandum of understanding to be executed effective as of the day and year first above written on today i.e., on 01-04-2022 for a period of TWO academic years.

  
Principal

S.K.R.College for Women,  
Rajamahendravaram

S.K.R. East Godavari WOMEN  
HITHAKARINI SAMAJ  
Endowments Dept. Govt. of Andhra Pradesh  
RAJAMAHENDRAVARAM





QREN LIFESCIENCES PVT.LTD.  
Ameerpet, Hyderabad  
Telangana -500016

QREN LIFE SCIENCES PVT. LTD.  
6-3-852/28/11, Aparajita Colony,  
Lal Bunglow, Ameerpet,  
Hyderabad-500 016.



## MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN  
DEPARTMENT OF CHEMISTRY  
SMT. KANDUKURI RAJYALAKSHMI COLLEGE FOR WOMEN,  
RAJAMAHENDRAVARAM,  
ANDHRA PRADESH, INDIA  
AND  
VASISHTA PESTICIDES PRIVATE LIMITED, AVIDI,  
KOTHAPETA MANDAL, EAST GODAVARI DISTRICT,  
ANDHRA PRADESH, INDIA

This Memorandum of Understanding (MOU) sets for the terms and understanding for training and employment possibilities for the students of "Department of Chemistry", SKR College for Women, Rajamahendravaram.

### Objectives of the MOU:

The objectives of the MOU are:

- To promote and enhance interest between students of Chemistry Department, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and Vasishta Pesticides Private Limited.
- To provide advice for implementation of quality education at Department of Chemistry, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram.
- To bridge the gap between the requirements of the potential employers and education by providing skill-development programmes for the improvement of employability of the students.
- The two institutions will encourage direct contact and cooperation between students and experts in this field for the exchange of facilities and equipment.
- The above goals will be accomplished by the activities such as educational visit, short-term training and internships.
- RECOGNISE the mutual interest in the fields of training and development and dissemination of knowledge.

### Proposed modes of Collaboration

Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and Vasishta Pesticides Private Limited proposed to collaborate through the following:

- Co-operation and promotion of education, training and research in the areas of mutual interest.
- Any other appropriate mode of interaction agreed upon between Department of Chemistry, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and M/s. Vasishta Pesticides Private Limited, Avidi, Kothapeta Mandal, East Godavari, A.P.
- A specific plan will be worked out by the institute depending upon availability of resource.
- A specific agreement will be entered into for each activity.



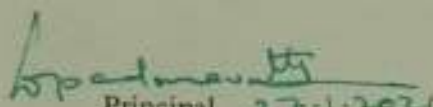
## TERMS AND CONDITIONS

**Duration:** This MOU is at will and may be modified by mutual consent of the authorized officials from the list partners.

**Coordinators:** College and M/s. Vasishtha Pesticides Private Limited, Avidi, Kothapeta Mandal, East Godavari, Andhra Pradesh will designate persons who will have responsibility for co-ordination and implementation of this agreement.

**Signed in duplicate:** This MOU is executed in duplicate with each copy being an official version and having equal legal validity.

By signing below the institutes acting by their duly authorized officer, have caused this memorandum of understanding to be executed effective as of the day and year first above written (i.e., from 27-01-2021).

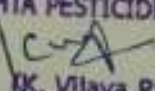
  
Principal 27-1-2021

SKR College from Women  
Rajamahendravaram  
East Godavari - A. P.

PRINCIPAL  
S.K.R. COLLEGE FOR WOMEN,  
HITHAKARINI SAMAJ  
Endowments Dept. (Govt. of A.P.)  
RAJAHMUNDRY.



For VASISHTA PESTICIDES PVT. LTD.

  
(K. Vijaya Rama Raju)  
Managing Director

M/s. Vasishtha Pesticides Limited  
Avidi, Kothapeta Mandal  
East Godavari - A. P.

**MEMORANDUM OF UNDERSTANDING (MOU)**  
**BETWEEN**  
**DEPARTMENT OF CHEMISTRY**  
**SMT.KANDUKURI RAJYALAKSHMI COLLEGE FOR WOMEN,**  
**RAJAMAHENDRAVARAM, ANDHRAPRADESH**  
**AND**  
**HETERO DRUGS, HYDERABAD,**  
**TELANGANA, INDIA**

This Memorandum of Understanding (MOU) sets for the terms and understanding for training and employment possibilities for the students of "Department of Chemistry", S.K.R.COLLEGE FOR WOMEN, Rajamahendravaram.

Objectives of the MOU:

The objectives of MOU are:

- To promote and enhance interest between students of Chemistry Department, Smt.Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and HETERO DRUGS, HYDERABAD, TELANGANA, INDIA.
- To provide advice for implementation of quality education at Department of Chemistry, Smt.Kandukuri Rajyalakshmi College for Women, Rajamahendravaram.
- To bridge the gap between the requirements of the potential employers and education by providing skill-development programmes for the improvement of employability of the students.
- The two institutions will encourage direct contact and cooperation between students and experts in this field for the exchange of facilities and equipment.
- The above goals will be accomplished by the activities such as educational visit, short-term training and internships.
- Recognise the mutual interest in the fields of training and development and dissemination of knowledge.

## Proposed modes of Collaboration

Smt.Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and HETERO DRUGS , Hyderabad, Telangana, India proposed to collaborate through the following:

- Cooperation and promotion of education, training and research in the areas of mutual interest.
- Any other appropriate mode of interaction agreed upon between Department of Chemistry, Smt.Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and HETERO DRUGS, Hyderabad, Telangana.
- A specific plan will be worked out by the institute depending upon availability of resource.

## TERMS AND CONDITIONS

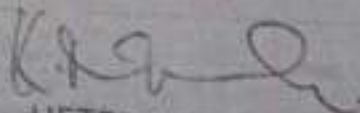
**Duration:** This MOU is at will and may be modified by mutual consent of authorized officials from the list partners.

**Coordinators:** College and HETERO DRUGS , Hyderabad, Telangana will designate persons who will have responsibility for co-ordination and implementation of this agreement.

**Signed in Duplicate:** This MOU is executed in duplicate with each copy being an official version and having equal legal validity.

By signing below the Institutes acting by their duly authorised Officer, have caused this memorandum of understanding to be executed effective as of the day and year first above written (i.e., from 01-10-2022) for a period of TWO years.

Principal  
S.K.R.College for Women,  
Rajamahendravaram  
East Godavari- A.P

  
HETERO DRUGS  
Hyderabad  
Telangana,



# Remedial Schedule 2022 - 2023 (odd Sem)


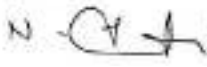
S.No	Name of the Student	Class	Date & topic	Date & topic	Date & topic	Date & topic		
			Student Signature	Student Sign	Student Sign	Student Sign		
1.	N.B.T. Synder	III BSc Sem-I	1) Explain precipitation CO <sub>2</sub> post precipitation a) M. Jyothi Priya b) P. Anjali c) G. Bindu Priya d) D. Siva Lakshmi e) Ch. Sri Lakshmi f) D. Sudhy g) S. Ananya h) V. Harika i) K. Veni Sridevi j) G. Girija	1) accuracy, units	1) Error Classification	1) Distribution law	1) Zon-Perihan	
2.	P. Anjali			2) El. Value	2) vapor Chromatography	2) T.L. (Complete)	2) H.P.L.C	2) M. Jyothi Priya
3.	G. Bindu Priya			3) M. Jyothi Priya	3) M. Jyothi Priya	3) P. Anjali	3) P. Anjali	3) P. Anjali
4.	D. Siva Lakshmi			4) G. Bindu Priya	4) G. Bindu Priya	4) G. Bindu Priya	4) D. Siva Lakshmi	4) D. Siva Lakshmi
5.	Ch. Sri Lakshmi			5) D. Siva Lakshmi	5) D. Siva Lakshmi	5) Ch. Sri Lakshmi	5) Ch. Sri Lakshmi	5) Ch. Sri Lakshmi
6.	D. Sudhy			6) D. Sudhy	6) D. Sudhy	6) D. Sudhy	6) D. Sudhy	6) D. Sudhy
7.	D. Sanyasathi			7) Sanyasathi	7) Sanyasathi	7) Sanyasathi	7) Sanyasathi	7) Sanyasathi
8.	V. Harika			8) V. Harika	8) V. Harika	8) V. Harika	8) V. Harika	8) V. Harika
9.	K. Veni Sridevi			9) K. Veni Sridevi	9) K. Veni Sridevi	9) K. Veni Sridevi	9) K. Veni Sridevi	9) K. Veni Sridevi
10.	G. Girija			10) G. Girija	10) G. Girija	10) G. Girija	10) G. Girija	10) G. Girija
1.	K. Naga Chandrika	II BSc Sem-III	1) Explain S.N. & S.H. Pan 2) Pival-pivalabala a) K. Naga Chandrika b) P. Suresh c) P. Anuradha d) K. Sai Prasanna Kumar e) Ch. Anuradha f) J. Suresh g) K. Uma Meghana h) N. Siva Naga Lakshmi i) S.K. Angel	1) Cannizzaro	1) Clemmison	1) Cis-trans Condit	1) Chromophore	
2.	K. Sai Prasanna Kumar			2) Aldol Condensat	2) Aldol Condensat	2) Aldol Condensat	2) Aldol Condensat	2) Aldol Condensat
3.	P. Anuradha			3) K. Naga Chandrika	3) K. Naga Chandrika	3) K. Naga Chandrika	3) K. Naga Chandrika	3) K. Naga Chandrika
4.	P. Suresh			4) P. Suresh	4) P. Suresh	4) P. Suresh	4) P. Suresh	4) P. Suresh
5.	Ch. Anuradha			5) Ch. Anuradha	5) Ch. Anuradha	5) Ch. Anuradha	5) Ch. Anuradha	5) Ch. Anuradha
6.	J. Suresh			6) J. Suresh	6) J. Suresh	6) J. Suresh	6) J. Suresh	6) J. Suresh
7.	K. Uma Meghana			7) K. Uma Meghana	7) K. Uma Meghana	7) K. Uma Meghana	7) K. Uma Meghana	7) K. Uma Meghana
8.	N. Siva Naga Lakshmi			8) N. Siva Naga Lakshmi	8) N. Siva Naga Lakshmi	8) N. Siva Naga Lakshmi	8) N. Siva Naga Lakshmi	8) N. Siva Naga Lakshmi
9.	S.K. Angel			9) S.K. Angel	9) S.K. Angel	9) S.K. Angel	9) S.K. Angel	9) S.K. Angel
1.	B. Suresha	I BSc Sem-II	1) Borax, Structure of Diborane a) B. Suresha b) D. Anuradha c) G. Anuradha d) J. Anuradha e) K. Anuradha f) L. Anuradha g) M. Anuradha h) N. Anuradha i) P. Anuradha j) R. Anuradha	1) Catalytic & magnetic proper	1) Ion Exchange resins	1) Relation b/w	1) Structure of	
2.	D. Anuradha			2) Borax	2) Borax	2) Borax	2) Borax	2) Borax
3.	G. Anuradha			3) D. Anuradha	3) D. Anuradha	3) D. Anuradha	3) D. Anuradha	3) D. Anuradha
4.	J. Anuradha			4) G. Anuradha	4) G. Anuradha	4) G. Anuradha	4) G. Anuradha	4) G. Anuradha
5.	K. Anuradha			5) J. Anuradha	5) J. Anuradha	5) J. Anuradha	5) J. Anuradha	5) J. Anuradha
6.	L. Anuradha			6) K. Anuradha	6) K. Anuradha	6) K. Anuradha	6) K. Anuradha	6) K. Anuradha
7.	M. Anuradha			7) L. Anuradha	7) L. Anuradha	7) L. Anuradha	7) L. Anuradha	7) L. Anuradha
8.	N. Anuradha			8) M. Anuradha	8) M. Anuradha	8) M. Anuradha	8) M. Anuradha	8) M. Anuradha
9.	P. Anuradha			9) N. Anuradha	9) N. Anuradha	9) N. Anuradha	9) N. Anuradha	9) N. Anuradha
10.	R. Anuradha			10) P. Anuradha	10) P. Anuradha	10) P. Anuradha	10) P. Anuradha	10) P. Anuradha
11.	Rajala Bula			11) Rajala Bula	11) Rajala Bula	11) Rajala Bula	11) Rajala Bula	11) Rajala Bula

S.K.R GOVERNMENT DEGREE COLLEGE (WOMEN) :: RAJAMHENDRAVARAM

DEPARTMENT OF CHEMISTRY

REMEDIAL COACHING

Name of the Lecturer		1) Dr. H. Sunita 3) Dr. Ch. V. Sriwani		2) V. B. T. Subodan 4) N. Swathi		Class: B.Sc		Semester: V		Year: 2022-23	
S.NO	Name of the Student	Marks obtained in the previous semester IV	Topic Covered						Marks Obtained in the internal exam after remedial coaching	Signature of the Student	Remarks
			Displacement CE, S Post PPT	Reaction of Alkali	SPF Value	Boiler (anti-fouling) - paper, laboratory	Dye in hair	Electrochemistry			
			DL 20/1/23	DL 25/1/23	DL 01/3/23	DL 4/3/23	DL 6/3/23	DL 6/3/23			
1	Podiyam Sunita	F	✓	Ab	✓	✓	✓	✓	F	Podiyam Sunita	
2	S. Swiya Thirai Sri	F	✓	✓	✓	✓	✓	Ab	D	S. Swiya Thirai Sri	
3	T. Alurina	F	✓	✓	✓	✓	✓	✓	A	T. Sunita	
4	K. Sangeetha	F	✓	Ab	✓	✓	✓	✓	A	K. Sangeetha	
5	B. Deepika	F	✓	✓	✓	✓	✓	✓	B+	B. Deepika	
6	T. Sankhya Rani	D	✓	✓	✓	✓	✓	✓	O	T. Sankhya Rani	
7	K. Pramila	F	✓	✓	✓	✓	✓	✓	D	K. Pramila	
8	T. Ranjitha	F	Ab	✓	✓	✓	✓	✓	D	T. Ranjitha	
9	Ch. Sevia	F	✓	✓	✓	✓	✓	✓	A	Ch. Sevia	
10	V. Praritha	F	✓	✓	Ab	✓	✓	✓	B+	V. Praritha	
11											
12											
13											
14											
15											
16											
17											
18											
19											

 V.B.T. Subodan  
 N. Swathi



24-02-2023:

### 11) INDUSTRIAL VISIT

Department of Chemistry organized an **Industrial visit to Ratna Plastics** located at Dowlaiswaram. Students were enthused to acquire knowledge of the standards and manufacturing methods of PVC pipes, U PVC pipes, PVC garden pipes, etc. Smt.V.B.T.Sundari and Smt.N.Swathi coordinated the programme.







**27-02-2023:**

**14) INDUSTRIAL VISIT (LUBRICANTS)**

Department of Chemistry Organized an **Industrial visit** for III B Sc students. They visited CHAMPIONS WORLD CLASS LUBRICANTS, located at Auto Nagar near Rajamahendravaram. They acquire firsthand knowledge on lubricating oils used in Automobiles and Machinery Smt.V.B.T.Sundari and Smt.N.Swathi coordinated the Programme.





24-02-2023:

### 12) FIELD VISIT

Department of Chemistry organized a **field Visit** for II BSc students to Ground Water Department Laboratory which was located at Dowleiswaram. Students learned about ground water resources and ground water quality in different areas and also visited cotton museum, Dowleiswaram. Smt.V.B.T.Sundari and Smt.N.Swathi coordinated the Programme.



25-02-2023:

### 13) TRAINING PROGRAMME

Department of chemistry conducted a training programme on preparation of soaps, Vaseline, Pain balm, Bath soaps, Sanitizer, washing powder and cleaning powder. Students participated actively and learned the process of making house hold products with low cost. Dr.M.Sunitha and Dr.Ch.V.V.Srinivas trained the students.





**01-03-2023:**

**16) JOY OF GIVING**

" A small act of giving can some time do wonders"- joy of giving programme is another initiative that helps us give back to the community, as part of this initiative we support the local hostel students by distributing the refreshments. All the students felt very happy and expressed their gratitude. All the members of chemistry were participated.



Name : MADE ROJA RAMANI  
class : II Bsc (mpc)  
Email Id : rojaramani.made29@gmail.com  
Ph. no : 7207273041



Adhaar no : 9989 5608 8246  
OAM : OAM202100862927  
Address : Kothapeta Pedaveedu, near Sankaranna temple, K.P.

Name := pallala Lingeswari Rani  
class := III Bsc (M.P.C)  
E-mail ID := pallala.lingeswari.rani@gmail.com  
ph. no := 6301870559



Adhaar No := 8798 1433 3812  
OAM := OAM202100794462  
Address := D.No-5-45, Thunuvu (V), Davipatnam (M)  
Aluru Sutha Rama Raju (O)

Name :- S. vijayalakshmi  
class :- III Bsc [mpc]  
G-mail id :- Saregani.vijayalakshmi@gmail.com  
Adhar NO :- 97909182511D  
phone no :- 9036124207  
OAM no :- 202100933097  
Address :- Kothapeta, Gopavada  
D.No-4-277

Name := Sivula pavani  
class := III Bsc (M.P.C)  
Email Id := Sivulapavani2003@gmail.com  
Ph. No := 7989140931  
Adhaar No := 5893 1465 0598  
OAM := OAM202100890581  
Address := D.No-4-1, Konaravada (V), Annakapalle



H. S. S. S.

## HYDROXY COMPOUNDS

Compounds containing hydroxy group (-OH) are called hydroxy compounds. These are divided into two types.

(1). Alcohols

(2). Phenols.

(1). Alcohols: Compounds with general formula R-OH are known as alcohols.

Methyl Alcohol

Ethyl Alcohol

Ex.  $\text{CH}_3\text{-OH}$

$\text{CH}_3\text{-CH}_2\text{-OH}$

These are divided into three types

(a). Primary alcohols

(b). Secondary alcohols

(c). Tertiary alcohols

Ex.  $\text{CH}_3\text{-OH}$   
Methyl Alcohol

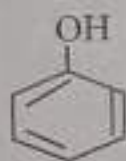
Ex.  $\begin{array}{c} \text{CH}_3 \\ \diagdown \\ \text{C} \\ \diagup \\ \text{CH}_3 \end{array} \text{-CHOH}$   
Iso propyl alcohol

Ex.  $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3\text{-C-OH} \\ | \\ \text{CH}_3 \end{array}$   
tertiary Butyl alcohol

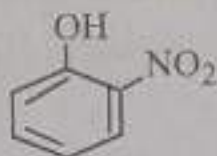
$\text{CH}_3\text{-CH}_2\text{-OH}$   
Ethyl Alcohol

(2). Phenols: Compounds in which the hydroxyl group is directly attached to the aromatic ring are called Phenols.

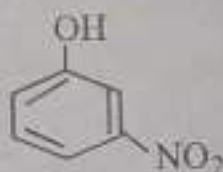
Ex.



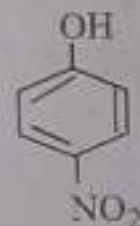
Phenol



ortho Nitro Phenol



meta Nitro Phenol



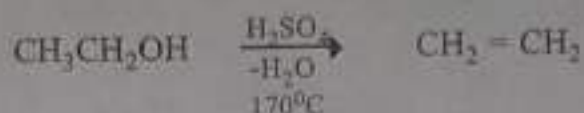
para Nitro Phenol





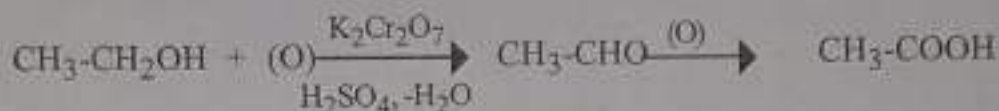
## Properties of alcohols.

a) Dehydration :- Dehydration of ethyl alcohol gives Ethene.

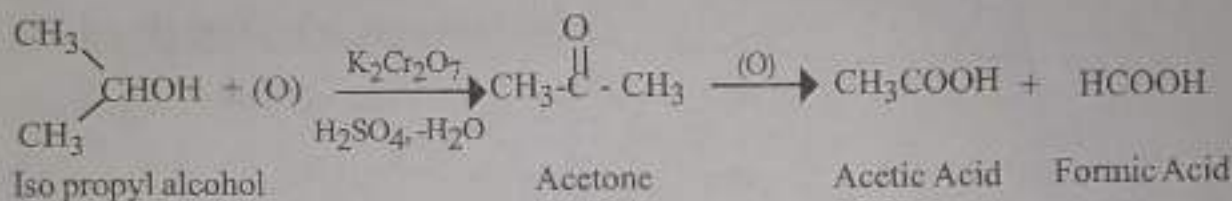


b) Oxidation method :-

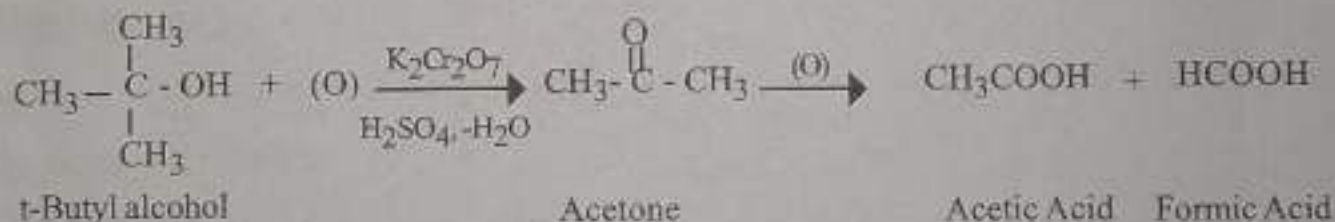
Primary alcohols on oxidation gives aldehydes and carboxylic acids with same number of carbon atoms.



Secondary alcohols on oxidation gives ketones with same number of carbon atoms and carboxylic acids with less number of carbon atoms.



Tertiary alcohols on oxidation gives ketones with less number of carbon atoms. This on further oxidation gives carboxylic acids with less number of carbon atoms than ketones.



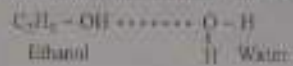


You

Today, 4:02 pm



Ethyl alcohol is soluble in water because it can form hydrogen bonds with water.



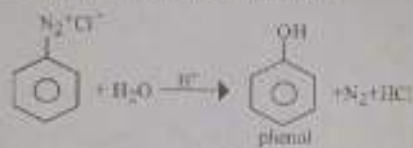
Hydrogen bond effects the solubility. Those compounds which are capable of forming hydrogen bonds with water are soluble in water. Ethyl alcohol is soluble in water because it forms hydrogen bond with water.

### PHENOLS

#### Methods of Preparation :-

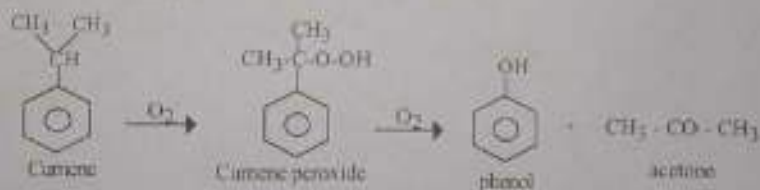
##### a) By the hydrolysis of diazonium salts :-

Benzene diazonium chloride on boiling gives phenols.

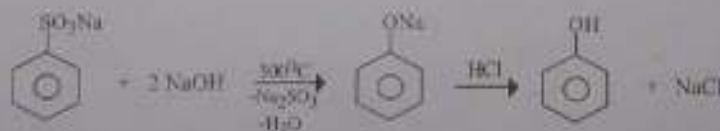


##### b) From cumene :-

Cumene on oxidation by bubbling oxygen, gives cumene hydro peroxide. It decomposes and gives phenol and acetone.



c) By fusing sulphonates with sodium hydroxide at  $300^\circ\text{C}$ , sodium phenoxide is formed. This on treatment with acid gives phenol.





2022-23

MPC

APPGCET-2023

Post Graduate Common Entrance Tests

(Conducted by Andhra University, Visakhapatnam on behalf of APSCHE)



## RANK CARD

Hall Ticket No. : 31020233838  
 Candidate's Name : DOSAPATI LAKSHMANA  
 Father's Name : DOSAPATI SRINU  
 Test Code & Paper : 310 : Chemical Sciences

Community  
OC

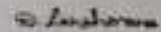
Date of Birth  
11/08/1999

Marks Obtained : 41  
 Rank : 2940



  
Convener





## INSTRUCTIONS TO THE CANDIDATE

- The admissions into first year of various P.G. Courses (M.A., M.Com., M.Sc., M.C.J., M.J.M.C., M.Lib.I.Sc., M.Ed., M.P.Ed., M.Sc.Tech. etc) in the Academic Year 2023-24 offered by Andhra Pradesh State funded Universities and their Constituent/ Affiliated [Government and Private (Aided/Unaided)] Colleges including Minority Educational Institutions in the State will be made through a centralized web counseling. Further, the schedules will be available in websites. The qualified candidates are advised to visit the websites from time to time for further admission schedules.  
Websites: <https://cets.apscbe.ap.gov.in>
- The eligibility of the candidates is not verified / decided at the time of application and during the entrance test. The verification will be done only during the admissions. Hence, candidates are advised to ensure that they are eligible for the course/ subject they are applying for admission.
- The candidates called for certificate verification must have the following original certificates /documents to upload for verification.
  - Rank Card and Hall Ticket of APPGCET - 2023.
  - Transfer Certificate (T.C) from the institution where the candidate has last studied.
  - Degree certificate and complete memorandum of marks or consolidated memo of qualifying examination (the downloaded memos are not allowed). The candidate should ensure that he / she has passed the qualifying examination with requisite percent of marks without which his / her admission will not be entertained.
  - Secondary School or 10th std. Certificate.
  - Bonafide certificates from 9th Class onwards or Proof of Local / Non-Local status of the candidate as per the rules in force.
  - Community / Caste Certificate, if applicable.
  - Latest Income Certificate issued by Tahsildar on or after 01.01.2023, if applicable.
  - Certificates of special categories, if applicable, and when called for admission under these categories.
  - Aadhaar Card.
- In addition to the above, the candidates must also upload passport size photographs that are similar to those uploaded during the online.



APPGCET-2023

Post Graduate Common Entrance Tests

(Conducted by Andhra University, Visakhapatnam on behalf of APSCHE)



### RANK CARD

Hall Ticket No. : 31020234141  
Candidate's Name : MAJJI DRAKSHANJALI  
Father's Name : MAJJI RAJUBABU  
Test Code & Paper : 310 : Chemical Sciences

Community  
BC-D

Date of Birth  
22/05/2002

Marks Obtained : 46  
Rank : 1232



  
Convener



M. Drakshanjali

#### INSTRUCTIONS TO THE CANDIDATE

- The admissions into first year of various P.G. Courses (M.A., M.Com., M.Sc., M.C.J., M.J.M.C., M.Lib.I.Sc., M.Ed., M.P.Ed., M.Sc.Tech. etc) in the Academic Year 2023-24 offered by Andhra Pradesh State funded Universities and their Constituent/ Affiliated (Government and Private (Aided/Unaided)) Colleges including Minority Educational Institutions in the State will be made through a centralized web counseling. Further, the schedules will be available in websites. The qualified candidates are advised to visit the websites from time to time for further admission schedules.  
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  - Transfer Certificate (T.C) from the institution where the candidate has last studied.
  - Degree certificate and complete memorandum of marks or consolidated memo of qualifying examination (the downloaded memos are not allowed). The candidate should ensure that he / she has passed the qualifying examination with requisite percent of marks without



APPGCET-2023

Post Graduate Common Entrance Tests

(Conducted by Andhra University, Visakhapatnam on behalf of APSCH)



**RANK CARD**

Hall Ticket No. : 31020234010  
Candidate's Name : DHONEPALLI NITYA SRIKANYA PRABALIKA  
Father's Name : PULLAYYAKAPU  
Test Code & Paper : 310 : Chemical Sciences

Community  
OC

Date of Birth  
12/09/2002

Marks Obtained : 43  
Rank : 2288



  
Convener



D.N.S.K.Prabalika

**INSTRUCTIONS TO THE CANDIDATE**

- The admissions into first year of various P.G. Courses (M.A., M.Com., M.Sc., MCI, M.J.M.C., M.Lib.I.Sc., M.Ed., M.P.Ed., M.Sc.Tech, etc) in the Academic Year 2023-24 offered by Andhra Pradesh State funded Universities and their Constituent/ Affiliated (Government and Private (Aided/Unaided)) Colleges including Minority Educational Institutions in the State will be made through a centralized web counseling. Further, the schedules will be available in websites. The qualified candidates are advised to visit the websites from time to time for further admission schedules.  
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  - Secondary School or 10th std. Certificate.
  - Residence certificates from 9th Class onwards or Proof of Local / Non-Local status of the candidate as per the rules in force.
  - Community / Caste Certificate, if applicable.
  - Latest Income Certificate issued by Tahsildar on or after 01.01.2023, if applicable.
  - Certificates of special categories, if applicable, and when called for admission under these categories.
  - Aadhaar Card.
- In addition to the above, the candidates must also upload passport size photographs that are similar to those uploaded during the online.





APPGCET-2023

Post Graduate Common Entrance Tests

(Conducted by Andhra University, Visakhapatnam on behalf of APSCHE)



### RANK CARD


Hall Ticket No. : 31020234165  
Candidate's Name : MANGALAMPALLI DURGA SRIHITHA  
Father's Name : MANGALAMPALLI BHASKARA APPARAO  
Test Code & Paper : 310 : Chemical Sciences

Community  
OC

Date of Birth  
08/04/2003

Marks Obtained : 49  
Rank : 749



  
Convener



*N. Durga Subitha*

#### INSTRUCTIONS TO THE CANDIDATE

- The admissions into first year of various P.G. Courses (M.A., M.Com., M.Sc., MCI, M.J.M.C., M.Lib.I.Sc., M.Ed., M.P.Ed., M.Sc.Tech. etc) in the Academic Year 2023-24 offered by Andhra Pradesh State funded Universities and their Constituent/ Affiliated [Government and Private (Aided/Unaided)] Colleges including Minority Educational Institutions in the State will be made through a centralized web counseling. Further, the schedules will be available in websites. The qualified candidates are advised to visit the websites from time to time for further admission schedules.  
Websites: <https://cets.apscche.ap.gov.in>
- The eligibility of the candidates is not verified / decided at the time of application and during the entrance test. The verification will be done only during the admissions. Hence, candidates are advised to ensure that they are eligible for the 'course' / subject they are applying for admission.
- The candidates called for certificate verification must have the following original certificates / documents to upload for verification:
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  - Transfer Certificate (T.C) from the institution where the candidate has last studied.
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  - Bonafide certificates from 9th Class onwards or Proof of Local / Non-Local status of the candidate as per the rules in force.
  - Community / Caste Certificate, if applicable.
  - Latest Income Certificate issued by Tahsildar on or after 01.01.2023, if applicable.
  - Certificates of special categories, if applicable, and when called for admission under these categories.
  - Aadhaar Card.
- In addition to the above, the candidates must also upload passport size photographs that are similar to those uploaded during the online.

**SKR GOVERNMENT DEGREE COLLEGE  
(W),RAJAMAHENDRAVARAM**

**DEPARTMENT OF CHEMISTRY**

**BEST PRACTICE 2022-23**

**ACTIVITY-1 CAMPAIGN IN CONNECTION WITH WORLD OZONE  
DAY**

**1. Title of the Practice**

CAMPAIGN AGAINST USAGE OF PP CARRY BAGS

**2. Objectives of the Practice**

Now a day's people are addicted to PP carry bags usage. The PP carry bags are not biodegradable hence their usage should be stopped.

**3. The Context**

Soil will lose its fertility, thereby plants doesn't grow to the expected extent which leads to shortage of food grains. In order to overcome this problem the usage of PP carry bags should be stopped and in place of these bags made up of biodegradable materials like cloths or papers should be used.

**4. The Practice**

Department of Chemistry is in practice of campaigning about the hazardous dangers of usage PP covers and the usage of bags made up of biodegradable materials.

**5. Evidence of Success**

Department of Chemistry stitched cloth bags and involved the students in making of paper bags. These are distributed to the RMC sanitary workers and instructed them to use these bags instead of PP carry bags. The RMC sanitary workers expressed their feelings with full satisfaction.

**6. Problems encountered and resources required**

The preparation of cloth bags is an expensive task. It is not possible for the staff of the department to contribute always, hence financial aid should be supported to continue the practice.







S.K.R.COLLEGE FOR WOMEN, RAJAHMAHENDRAVARAM  
DEPARTMENT OF CHEMISTRY

## Vision & Mission

### VISION:

The vision of Department of Chemistry is in educating and graduating young women students and prepares them in various fields like teaching, employment, and research contribute to the ever-changing, technology-centered world of the 21st century. Our department strives to provide quality and value based education.

### MISSION:

1. The department of chemistry always strives to impart knowledge and skills to our students in chemistry.
2. Always provide innovative classroom instruction at undergraduate level and update curriculum.
3. The faculty puts efforts to meet the environmental and global related issues through chemical education and communicate the excitement of chemistry.
4. The Department of Chemistry stands for a Learner oriented value based educational system.

01-03-2023:

### 8) BOOK BANK SYSTEM

BOOK BANK SYSTEM was inaugurated by the Department of Chemistry to support the Economically Backward Students. Dr.P.Raghava Kumari, Principal advised the students to make the best use of the opportunity provided by the Department and get success in life. Dr.Ch.Krishna, Special Officer appreciated the Department.



## శ్రీమతి కందుకూరి రాజ్యలక్ష్మి ప్రభుత్వ మహిళా కళాశాలలో... కెమిస్ట్రీ బుక్ బ్యాంక్ వ్యవస్థ



(రాజమండ్రి పోస్ట్) శ్రీమతి కందుకూరి రాజ్యలక్ష్మి ప్రభుత్వ మహిళా కళాశాలలో కెమిస్ట్రీ బుక్ బ్యాంక్ వారు విద్యార్థినులకు ఉపయోగపడే విధానము పంపిణీంపిన కెమిస్ట్రీ పుస్తకాలను సరఫరా చేయడం ద్వారా విద్యార్థినులకు ఉపయోగపడతూ వారింది. కళాశాల ప్రధాన అధికారి డాక్టర్ పి. రాఘవ కుమారి ప్రారంభించి విద్యార్థినులను ఉద్దేశించి మాట్లాడుతూ అర్థవంతంగా వెనుకబడిన విద్యార్థినులకు దోహదపడుతుందని ఎవరికీ అపేక్షించిన ఉన్న ఇటువంటి ఉ స్తుతమైన అవకాశాన్ని ఉపయోగించుకోవాలని విద్యార్థినులకు మార్చిందారు. తదనంతరం విద్యార్థినులకు పుస్తకాల పంపిణీ చేశారు. ఈ కార్యక్రమంలో రసాయన శాస్త్ర విభాగాధిపతి డాక్టర్ ఎమ్.సునీత అధ్యాపకులు సిహెచ్ శ్రీనివాసరావు, విజిజీ సుందర్, ఎన్.స్యూజి, ఎన్.త్రావణి,పి.ప్రసన్న పాల్గొన్నారు. విద్యార్థినులకు ఉపయోగపరమైన ఈ కార్యక్రమాన్ని చేపట్టిన రసాయన శాస్త్ర విభాగం వారిని కళాశాల ప్రత్యేక అధికారి డాక్టర్.సిహెచ్ కృష్ణ గారు అభినందించారు.

**SKR COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM**  
**Parent Feed Back Analysis – 2021-2022**

Sl.No	Parameters	Strongly Agree		Agree		Neutral		Strongly Disagree		Disagree	
		No.	%	No.	%	No.	%	No.	%	No.	%
1	Sufficient facilities for ICT Teaching	33	52	22	35	04	06	04	04	0	0
2	Fair & Transparent internal assessment	28	44	28	44	05	08	0	0	02	03
3	Library can meet students need	32	51	25	40	05	08	01	02	0	0
4	Discipline is good	34	54	22	35	06	10	01	02	0	0
5	Placement activities are good	16	25	35	56	11	17	01	02	0	0
6	Support for Higher Education is good	41	65	17	27	07	11	01	02	0	0
7	Academic ambience is very good	42	67	16	25	06	10	0	0	01	02
8	Sports facilities are sufficient	37	59	23	37	03	05	01	02	0	0
9	Teachers are Student – Friendly	41	65	18	29	03	05	01	02	0	0
10	Mentoring system functions well	45	71	11	17	05	08	01	02	0	0



*p.h.*

PRINCIPAL  
 S.K.R. COLLEGE FOR WOMEN  
 NITHAKADINI SAMAJ  
 Endowments Dept., Govt of Andhra Pradesh  
 RAJAMAHENDRAVARAM





# Smt. KANDUKURI RAJYALAKSHMI COLLEGE FOR WOMEN

Accredited at B' level by NAAC

(Estd : 1968)

Affiliated to Adikavi Nannayya University, Rajamahendravaram (ANUR)

(Under the control of HITHAKARINI SAMAJAM, Endowments Dept., Govt. of Andhra Pradesh)

**Dr. P. Raghava Kumari**

M.Sc., B.Ed., M.Phil., Ph.D. Principal



Opp.T.T.D. Kalyana Mandapam, Danaveipeta  
RAJAMAHENDRAVARAM - 533 103  
East Godavari District, A.P., INDIA  
☎ 0883 - 2467391, 90304 30758  
e-mail : skrcollege@yahoo.com  
website : www.skrcw-rjy.org

To  
The Assistant commissioner & Correspondent  
SKR College For Women,  
Rajamahendravaram

Sub :- SKR College For Women, Rajamahendravaram – Submission of Feedback  
Report 2021-22 Reg.

This is to submit that, as an institutional practice, SKR College For Women, Rajamahendravaram which is under the jurisdiction of Adikavi Nannaya University, Rajamahendravaram collects feedback on college / curriculum from time to time from its stakeholders.

During the academic year 2021-2022, feedback was collected from students, teachers, parents and alumni. A copy of the feedback report is submitted to your office for your information.

Thanking you, Sir.

*P. Raghava Kumari*



SIGNATURE OF THE PRINCIPAL

PRINCIPAL

S.K.R. COLLEGE FOR WOMEN

HITHAKARINI SAMAJ

Endowments Dept., Govt. of Andhra Pradesh


RAJAMAHENDRAVARAM

*Ch. Devarajulu*  
Asst. Commissioner & Correspondent  
S.K.R. COLLEGE FOR WOMEN  
HITHAKARINI SAMAJAM  
Endowments Dept., Govt. of Andhra Pradesh  
RAJAMAHENDRAVARAM

**SKR COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM**  
**Teacher Feed Back Analysis – 2021-2022**

Sl.No	Parameters	Strongly Agree		Agree		Neutral		Strongly Disagree		Disagree	
		No.	%	No.	%	No.	%	No.	%	No.	%
1	Sufficient facilities for ICT Teaching	26	49	23	43	04	08	0	0	0	0
2	Fair & Transparent internal assessment	35	66	16	30	01	02	01	02	0	0
3	Library can meet students need	35	66	14	26	04	08	0	0	0	0
4	Discipline is good	38	72	12	23	03	06	0	0	0	0
5	Placement activities are good	16	30	27	51	10	19	0	0	0	0
6	Support for Higher Education is good	37	70	14	26	02	04	0	0	0	0
7	Academic ambience is very good	40	75	10	19	03	06	0	0	0	0
8	Sports facilities are sufficient	38	72	11	21	03	06	0	0	01	02
9	Teachers are Student – Friendly	34	64	14	26	03	06	02	04	0	0
10	Mentoring system functions well	41	77	08	15	03	06	0	0	01	02



  
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 S.K.R. COLLEGE FOR WOMEN  
 HITHAKARINI SAMAJ  
 Endowments Dept. Govt. of Andhra Pradesh  
 RAJAMAHENDRAVARAM

**SKR COLLEGE FOR WOMEN RAJAMAHENDRAVARAM**  
**Student Satisfaction Survey (SSS) on Teaching Learning & Evaluation for 2021-22**

Sl.No	Parameters	Excellent		Very Good		Good		Satisfactory		Poor	
		No	%	No	%	No	%	No	%	No	%
1	Syllabus completion	590	62	280	29	88	09	0	0	0	0
2	Interest generated while teaching	374	39	340	35	144	15	100	10	0	0
3	Clarity of Expression	320	33	436	46	180	19	22	62	0	0
4	Depth of the Subject	306	32	396	41	220	23	36	64	0	0
5	Latest developments taught	337	35	393	41	190	20	26	63	10	01
6	Usage of student centric methods	436	45	369	39	154	16	0	0	0	0
7	Encouraging questions	463	48	374	39	121	13	0	0	0	0
8	Usage of various teaching models	346	36	398	42	214	23	0	0	0	0
9	Quality of notes	511	53	270	28	177	18	0	0	0	0
10	Arranging field visits, guest lectures etc.	442	46	380	40	130	14	0	0	0	0
11	Guidance in reading library books	373	39	332	35	253	26	0	0	0	0
12	Encouragement to students	302	32	361	38	295	31	0	0	0	0
13	Regularity and seriousness in evaluation	382	40	460	48	116	12	0	0	0	0
14	Remedial coaching	425	44	323	34	210	22	0	0	0	0
15	Regularity to the class	530	55	292	30	136	14	0	0	0	0
16	Guide students in co-curricular and extra-curricular	492	51	274	29	192	20	0	0	0	0
17	Counseling and career guidance	280	29	360	38	292	30	26	63	0	0
18	Accessibility outside the class	393	41	350	37	215	22	0	0	0	0
19	Personal care and attention	523	55	280	29	155	16	0	0	0	0
20	Overall opinion on Teacher Performance	412	43	370	39	176	18	0	0	0	0



*P. R.*  
**PRINCIPAL**  
**S.K.R. COLLEGE FOR WOMEN**  
**HITHAKARINI SAMAJ**  
**RAJAMAHENDRAVARAM**



# **VALUE ADDED COURSE**

**ON**

**HOUSE HOLD CHEMICALS**



**S.K.R.GOVERNMENT DEGREE COLLEGE (W)  
RAJAMAHENDRAVARAM**

**DEPARTMENT OF CHEMISTRY**

**2022-2023**



S.K.R. GOVERNMENT DEGREE COLLEGE (WOMEN)  
RAJAMAHENDRAVARAM,  
RE-ACCREDITED AT B+ LEVEL BY NAAC



## Department of Chemistry

### Certificate

This is to certify that Ms. G. Baby of II B.Sc has participated in Value Added Course on **House Hold Chemicals** from 02-01-2023 to 01-03-2023.

*H. Senthil*

Head of the Department

*P. M.*

Principal



S.K.R. GOVERNMENT DEGREE COLLEGE (WOMEN)  
RAJAMAHENDRAVARAM,  
RE-ACCREDITED AT B+ LEVEL BY NAAC



## Department of Chemistry

### Certificate

This is to certify that Ms. G.U.B. Naga Sridevi of II B.Sc has participated in Value Added Course on **House Hold Chemicals** from 02-01-2023 to 01-03-2023.

*H. Senthil*

Head of the Department

*P. M.*

Principal







## Online Quiz on WORLD OZONE DAY

WORLD OZONE DAY-2022
🏠 ☆

🔄 🗨️ 🗑️ 🏠 🌐

Questions
Responses **43**
Settings

Total points: 100



### WORLD OZONE DAY-2022

#### National Level e-Quiz

Department of Chemistry, S.C.B Government Degree College (W), Rajamahendravaram

Email \*

This form is collecting email addresses. [Change settings.](#)

Email	Score/100	Score released
netti.swathi@gmail.com	75	15 Sept 06:58
chvvrinivas@gmail.com	100	15 Sept 09:41
netti.swathi@gmail.com (1)	85	15 Sept 10:04
netti.swathi@gmail.com (2)	100	15 Sept 10:08
sai2sri@gmail.com	35	15 Sept 10:33
kasmamanyam@gmail.com	95	15 Sept 10:44
purnadevik@gmail.com	35	15 Sept 16:24
shakibajnaajays1511@gmail.com	30	15 Sept 16:25

WORLD OZONE DAY-2022 (Responses)

#	Timestamp	Email address	Score	Name (With Selection of Name & First of the cell Department)	Who Declared the New Member of countries who Declared
1	15/09/2022 06:58:07	netti.swathi@gmail.com	75	SRI R SBC COLLEGE F. LECTURE	G.M.B.Dubois
2	15/09/2022 09:41:09	chvvrinivas@gmail.com	100	Rajamahendravaram Lecturer	Head Subcom
3	15/09/2022 10:04:12	netti.swathi@gmail.com	85	SRI R SBC (WOMEN) F. LECTURE	G.M.B.Dubois
4	15/09/2022 10:08:11	netti.swathi@gmail.com	100	SRI R SBC COLLEGE W. LECTURE	Head Subcom
5	15/09/2022 10:33:15	sai2sri@gmail.com	35	Sri college Lecturer	Head Subcom
6	15/09/2022 10:44:11	kasmamanyam@gmail.com	95	SRI R SBC COLLEGE W. LECTURE	Head Subcom
7	15/09/2022 10:24:05	purnadevik@gmail.com	35	Sri R. S. Srinivasa De Street, Kambhikotai, Rajahmundry Lecturer	Cell Super
8	15/09/2022 10:25:49	shakibajnaajays1511@gmail.com	30	Sri college Student	G.M.B.Dubois
9	15/09/2022 10:26:30	kasmamanyam@gmail.com	95	SRI college for women Student	Head Subcom
10	15/09/2022 10:21:02	purnadevik@gmail.com	35	Turandad college Student	Head Subcom
11	15/09/2022 10:41:01	shakibajnaajays1511@gmail.com	30	SRI R SBC COLLEGE FOR W. Student	Head Subcom
12	15/09/2022 10:44:11	kasmamanyam@gmail.com	95	SRI Government college Student	Head Subcom
13	15/09/2022 10:26:30	kasmamanyam@gmail.com	95	SRI Government Degree Lecturer	Subcom Chairman
14	15/09/2022 10:31:02	purnadevik@gmail.com	35	SRI R SBC COLLEGE (W) RAJAMAHENDRAVARAM Lecturer	G.M.B.Dubois
15	15/09/2022 10:33:09	sai2sri@gmail.com	35	SRI Government Degree Lecturer	Subcom Chairman
16	15/09/2022 20:21:02	purnadevik@gmail.com	35	SRI Government Degree Student	Head Subcom
17	15/09/2022 20:26:12	shakibajnaajays1511@gmail.com	30	SRI COLLEGE FOR W. Student	G.M.B.Dubois
18	15/09/2022 20:24:20	shakibajnaajays1511@gmail.com	30	SRI R. College for Women Student	Head Subcom
19	15/09/2022 20:21:02	purnadevik@gmail.com	35	SRI R. S. Srinivasa De Street, Kambhikotai, Rajahmundry Student	Head Subcom
20	15/09/2022 20:21:02	shakibajnaajays1511@gmail.com	30	SRI R. S. Srinivasa De Street, Kambhikotai, Rajahmundry Student	Head Subcom





6 DAY TRAINING OF THE TRAINERS PROGRAM (ToT)  
**FACULTY DEVELOPMENT PROGRAMME**  
**ENGLISH MEDIUM OF INSTRUCTION**  
PROFICIENCY IN ENGLISH | MAXIMIZING GLOBAL OPPORTUNITIES

**CERTIFICATE OF PARTICIPATION**

This is to certify that

**V.B.T.SUNDARI**

**S.K.R.G.D.C(W)**

participated in the 6 Day Training of the Trainers Programme on

**English medium of Instruction, Proficiency in English** from

**19.06.2023 to 24.06.2023**

at Nodal Resource Centre (NRC), Govt. College (A) Rajahmundry

organized by Commissionerate of Collegiate Education, A.P., Mangalagiri.

**Dr. C. Krishna**

PRINCIPAL, NRC-Govt. College (A) Rajahmundry

**Dr. POLA BHASKAR, I.A.S**

COMMISSIONER OF COLLEGIATE EDUCATION





GOVERNMENT OF ANDHRA PRADESH  
COMMISSIONERATE OF COLLEGIATE EDUCATION  
in Collaboration with  
Nodal Resource Center, Rajahmundry



Certificate of Participation

This certificate is presented to **VBT Sundari**, Lecturer in Chemistry of **SKR GDC Rajamahendravaram** for participating in **Three days Training Program** on **"Internship and LMS"** held at Nodal Resource Center, Rajahmundry from **06-02-2023** to **08-02-2023**

Dr M R Goutham  
Coordinator, NRC Rajahmundry

Dr C. Krishna  
Chairman, NRC Rajahmundry &  
Principal, Government College (A), Rajahmundry

