



**TELANGANA SOCIAL WELFARE RESIDENTIAL DEGREE COLLEGE
FOR WOMEN WANAPARTHY**
Wanaparthi - 509103



*Smt V. Aruna,
M.A, B.Ed,
Principal.*

Mobile : +91-7995010680
E-mail: prl-rdcw-wnprrt-swrs@telangana.gov.in

TEACHING LEARNING EVALUATION:

Department of Chemistry follows the syllabus and other curricular aspects framed by Palamuru University, Mahabubnagar.

The teaching staff has freedom to adopt their own teaching methods and innovations, teaching modules to make the students understand the topics in their respective papers.

Department of Chemistry encouraged participating in group discussions, seminars and quiz programs.

Some are the programs we conducted in my department under teaching learning evaluation.

I. Group discussions

Group discussions are a vital educational tool that can enhance students' critical thinking, communication skills, and ability to work collaboratively.



These figures shows our faculty conducting group discussions for academic year **2022-23**

II. Quiz competition [CHEMISTRY QUIZ REGISTER.pdf \(tswreis.ac.in\)](https://www.tswreis.ac.in)

Organizing a quiz competition can be a fantastic way to engage students in a fun and educational activity. It encourages learning, teamwork, and critical thinking. A quiz competition is a valuable tool for enhancing students' knowledge, fostering healthy competition, and making learning enjoyable. With careful planning, organization, and execution, a quiz competition can be a memorable and educational experience for everyone involved.



These figures shows conducting quiz competition for the academic year **2018-19**



These figures shows conducting quiz competition for the academic year **2019-20**



This figure shows conducting quiz competition for the academic year **2020-21**



These figures shows conducting quiz competition for the academic year **2021-22**



This figure shows conducting quiz competition for the academic year **2022-23**



These figures shows conducting quiz competition for the academic year **2023-24**

Further they are guided to do some projects to strengthen their application skills in the subject required during their study

The students are encourages to take active part in extra-curricular activities like campus clean and green program, etc.

1.1. Teaching

The teaching involves mainly lecture and discussion methods supplemented by seminars.

In this process models, charts, (PPT), OHP are used.

In the beginning of each academic year the annual academic plans are prepared by each lecturer. The syllabus is covered as per the academic plan.

Teaching dairy and teaching notes are maintained by every staff member

Study material is supplied to the students.

Most of the students admitted in Ist year B.Sc courses, come mainly from rural areas.

So the department conducts bridge classes to cope with the syllabus, as there is

marginal gap in the standards of intermediate and graduation.

Students are encouraged to participate in seminars, quiz and group discussions conducted by the lecturers in their respective classes.

The educationally backward students in each class are identified and are given remedial coaching.

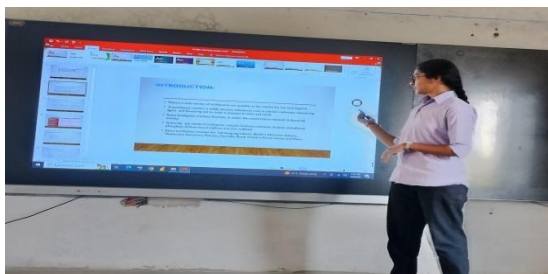
Study material for some of the topics in the syllabus is downloaded from the internet and is supplied to the students and also kept in departmental library for ready reference.

Some pictures are shown here using Information and Communication Technology(ICT)



CT

Faculty are teaching with ICT in Classroom



Students are teaching with ICT in Classroom

2.1 Additional curricular modules:

The following additional topics are in the curriculum for more exposure of the students to the subject:

- (a) Identification of chemical structure by spectroscopy
- (b) Theories of pericyclic reaction
- (c) d-orbital splitting pattern in different geometry of complexes
- (d) uses of Grignard reagent in organic synthesis

2.2 Learning:

The students are encouraged to read textbooks from the college main library as well as the department library and discuss difficult topics with the staff members.

The slow learners are identified and given remedial classes. Study material has been supplied on some selected topics

Average students are encouraged to write assignments on the topics useful for the university examinations.

The bright students are encouraged to undertake study projects.

Guest lecturers:

Guest lectures involve inviting an expert or specialist from outside the regular teaching staff to deliver a lecture or presentation on a specific topic. These lectures are an excellent way to provide students with a broader perspective and introduce them to current industry practices, research advancements, or specialized knowledge.

Guest lectures often focus on specific, sometimes niche topics, providing in-depth insights that might not be covered in the standard curriculum. Every year Department of Chemistry arranged Guest/Extension Lecture to motivate and increasing in subject knowledge of our students

List of invited lectures from various colleges are.,

S.N O	NAME OF PROFF/ASST.PROF	TOPIC	DATE
1	Dr.G.Bhagavanthreddy, Asst.Prof.(C), (P.G Center,WNP)	Nano materials	8/11/2018
2	Dr.Pradeep,Asst.Prof.(C) Asst.Prof.(C), (P.G Center,WNP)	Importance of Chemistry Chromatography	11/12/2019
3	.Saidulu Lecturer in chemistry Scholars degree college,WNP)	Diseases	15/03/2022
4	P.Yadagiri Lecturer in chemistry Sreevani degree college,WNP)	Fundamentals of Organic Chemistry	9/08/2023
5	Dr,Dhamodhar Reddy Govt Women's Degree college Wanaparthy	Stereo Isomerism	19/04/2024

➤ Some of picture are shown here

- I. Guest lecture by Dr.Bhagavanthreddy,Dept.of chemistry Palamuru University



- II Guest lecture by Dr.Pradeep,Dept.ofchemistryPalamuruUniversity



III Guest lecture by Divya ,Lecturer in chemistry Aadarsh Degree college (MBNR).



IV Guest lecture by Saidulu Lecturer in chemistry Scholars degree college,WNP)



V Guest lecture by P.Yadagiri Lecturer in chemistry Srivani Degree college,WNP)



Guest lecturers by our Faculty :

Every year Department of Chemistry went to Guest/Extension Lecture to motivate and increasing in subject knowledge of other college students also

S.N O	NAME OF PROFF/AS ST.PROF	TOPIC	DATE	PLACE
1	Dr.Ch.Rajitha HOD TSWRDCW, WNP	NMR Spectroscopy	27/06/2022	At Govt. degree college kollapur
2	Dr.Ch.Rajitha HOD TSWRDCW, WNP	Co-ordination Compounds	07/32024	At Govt. Women''s degree college WNP
3	J. Raga Swathi	Hybridization	07/32024	At Govt. Women''s degree college WNP
4	. Dr.Ch.Rajitha HOD TSWRDCW, WNP	Importance of Chemistry	04/52024	At Govt. degree college (Co.Ed) WNP

I Guest lecture by Dr.Ch.Rajitha, Dept. of chemistry TSWRDCW, Wanaparthy At Kollapur



**II Guest lecture by Dr.Ch.Rajitha, Dept. of chemistry TSWRDCW, Wanaparthy
At Govt. Degree (W) college WNP**



**III Guest lecture by J.Raga Swathi, Dept. of chemistry TSWRDCW,
Wanaparthy At Govt. Degree (W) college WNP**



**V. Guest lecture by Dr.Ch.Rajitha, Dept. of chemistry TSWRDCW, Wanaparthy
At Govt. Degree (CO.Ed) college WNP**



Classroom Seminar:

To improve the presentation skills of the students, we are arranging the seminars regularly.

Classroom seminars are a form of academic instruction where a group of students and a teacher or facilitator engage in intensive discussion and activities on a specific topic. Unlike traditional lectures, seminars are more interactive and involve active participation from all attendees.

The interactive nature helps students understand complex topics better through discussion and collaboration.

Regular participation improves verbal communication, public speaking, and the ability to articulate ideas clearly.

The topics of seminar are given in advance to the students and the lecturer will guide them to present the seminar.

Every year department of Chemistry conducted student Seminars [chemistry seminar register](#).

Course	Name of the Student	Topic	Date
IIBZC	G.Swapna	Amino acids synthesis methods	08/04/19
I MPC	K.Sheshamma	Molecular orbital theory of homonuclear diatomic molecule	14/09/19
IIIMZC	K.Mounika	Infective diseases	10/02/20
IIMZC	S.Sanhya Rani	Werner's theory	02/11/21
II MPC	K.Shravani	Air pollution, water pollution Sec-III paper	22/11/21
IMPC	M.Shravani	Molecular orbital theory of hetero nuclear diatomic molecule	2/02/22
IIMZC	C.Nandini	Chemical properties of carboxylic acids	16/09/22
IMPC	Asma Begum	Inductive Effect(Acidity	05/11/22

		of carboxylic acids)	
IIBZC	K.Jaya sree	Thin layer chromatography	19/11/22
IMZC	K.Nisha	Chemical properties of aldehydes and ketones	17/02/23
IIBZC	R.Gayathri	Structure of Hemoglobin	21/02/23
IMZC	G.Aruna	Mesomeric Effect	19/09/23
IIBZC	G.Akhila	Joule Thomson Effect	25/09/23
IIIMPC	V.Shireesha	Chemical shift and Factors Effecting on Chemical shift	17/02/24
IIMZC	G.Srivani	First order reaction Derivation of Equation	17/02/16
IMPC	C.Saraswathi	Structure of Inter halogen compounds	24/02/24
III MPC	K.Rama Devi	Drugs acting on Nervous system	28/03/24

2.6 FIELDTRIPS: [chemistry field trips register.](#)

- Field trips are an excellent way to provide students with experiential learning opportunities that extend beyond the classroom. Field trips can significantly enhance the educational experience by providing hands-on learning opportunities, fostering curiosity, and creating lasting memories
- Dept of Chemistry conducted field trips every year

S.No.	AcademicYear	Place Visited
1	2018-19	Organic Forming at Rajapeta nearWanaparthy
2	2019-20	Rice mill and oil mill, Nagavaram
3	2021-22	Awareness program on over usage of medicines and their side effects, Nagavaram thanda.
4	2022-23	Soil sample collection, Peddamandadi, nearWanaparthy



Dept.of Chemistry Visited to Organic farmingsite at Rajapet village:2018-19.



Dept.of Chemistry Visited Rice mill and oil mill :2019-20.



Dept. of Chemistry field trip to Nagavaram thanda (Awareness program on over usage of medicines and their side effects,; 2021- 22



Dept.of Chemistry Visited to Peddamandadi village to collect soil samples and check the PH of soil :2022-23.

2.7. Library as Learning Resource:

A part from the huge central library, the department has a library text books and rare collection of reference books and laboratory manuals. These books and manuals are lent to the students, which will be an additional reading material to them.

The college has over head projector (OHP) and smart board which will be used for delivering extension lectures and additional inputs.