

Department of chemistry

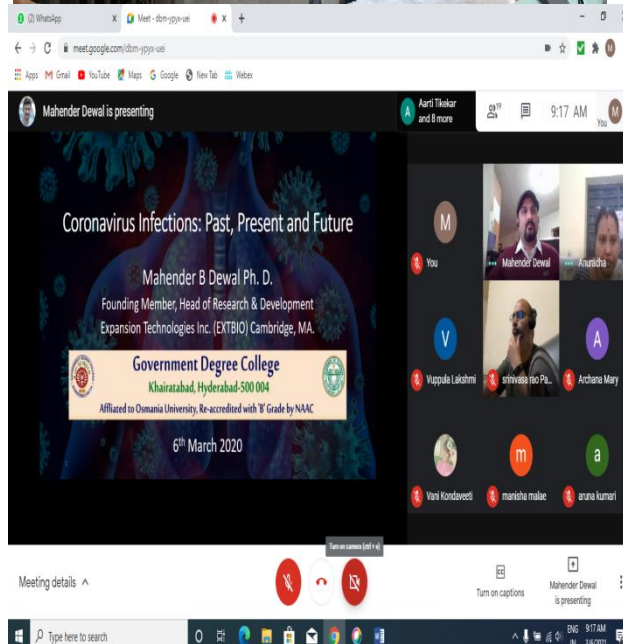
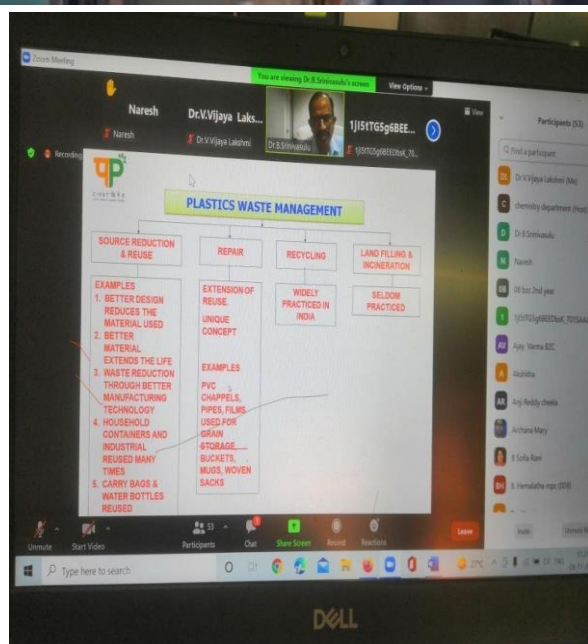
Academic Activities

Webinars & Extension lectures organized

The Department of CHEMISTRY Conducted Extension Lectures on latest topics by inviting eminent Professors and Scientists from universities, Colleges & Industries.

S. no	Topic	Resource person	Date	Institute
1.	Water Conservation and Management	Dr.Pandith Madhnure, Director,Ground water Department	21 st March 2023	Ground Water Department ,Hyderabad
2.	Importance of Safeguarding the Ozone for life Protection	Dr.K. Shailaja, Associate Professor of Botany	16 th September 2022	Osmania University
3.	Webinar on Plastic Waste Management & Career Aspects in CIPET	Dr.B. Srinivasulu, Principal Director	8 th November2022	Central Institute of Plastic Engineering and Technology
4.	International Webinar on “Past, Present and Future scenario of COVID-19 Infections”	Dr. Mahender B Dewal, Principal Scientist	6 th March 2021	Head of R&D, Expansion Technologies, Cambridge University, Massachusetts, USA
5.	Opportunities with Chemistry in Higher Education and Career	Mr. M. Anil Kumar Asst Professor	19 th February 2021	Vivekananda Government Degree College.
6.	Pericyclic Reactions	Ms.Surekha ,Asst Professor	11 th May 2020	Vivekananda Government Degree College.
7.	Thermodynamics	Prof. A. Padmavathi	12 th February,2019	Osmania University, Hyderabad

8.	Employability Skills	Dr. K. Nagaiah Chief Scientist	9 th February 2019	Indian Institute of Chemical Technology (IICT), Hyderabad
9.	Electrochemistry	Dr.E Yadaiah	9 th January 2019	Government city college ,Nayapul
10.	Catalysis	Dr.N. Lingaiah Principal Scientist	20 th November,2014	Indian Institute of Chemical Technology (IICT), Hyderabad





Student Study Projects

Department of chemistry is taking an active role in conducting students study projects for enriching their practical knowledge and to improve their laboratory skills which will be useful for their future career.

S.No	Year	Title of the Project	Student names	Group/year	Supervisor
1.	2022-23	Water Quality assessment: comparative study in certain areas	E.Akshaya A.Nikitha M.Gayathri P.Prameela G.Paramjyothi Tarun Tripati	BZC II BZC II BZC II MPC II BZC II MZC II	Ms.B.Shanthikala
2.	2022-23	Quality of Tea Powders	Dheeraj Kumar Goswami E.Sumanth M.Hanmash N.Yadagiri N.Harish kumar	BtZC III BtZC III BtZC III BtZC III BtZC III	Dr.V.Vijaya lakshmi
3.	2022-23	Quality of Toothpaste	K.Madhavi P.Maheshwari R.Bhagya Lakshmi S.Sowmya T.Sruthi	BtZC III BtZC III BtZC III BtZC III BtZC III	Ms.T.Aruna Kumari Ms.B.Anitha
4.	2021-22	Evaluation of Physicochemical properties of common Edible oils	M.Sahitya Sumith Kumar Tejaswini Tiwari J.BalaKrishna M.Prithi S.Bindu	ANZC III MPC II MZC II MZC II MZC II MPC II	Ms.BAnitha T.Aruna Kumari
5.	2019-20	Microplastics-Effluent water treatment ,Adverse effects and analysis	A.mamatha M.Anusha K Saicharan Y.Sravani, M.Sahitya Nikkath Aslam	BZC II BZC II BZC II MPC II ANZC I ANZC I	Ms B.Shanti kala Ms B. Anitha
6.	2019-20	Cinole from Eucalyptus leaves	K.Vamshi D.Preethi K.Sushma Shivani Malekha khan	MPC III MPC III MPC III BZC III BZC III	Dr.V.Vijaya lakshmi
7.	2019-20	Isolation of Rose oil from Rose petals	L.Arun kumar G.Tulasi B.Satish	MPC III MPC III MPC III	Ms .T.Aruna Kumari Dr.G H.Anuradha

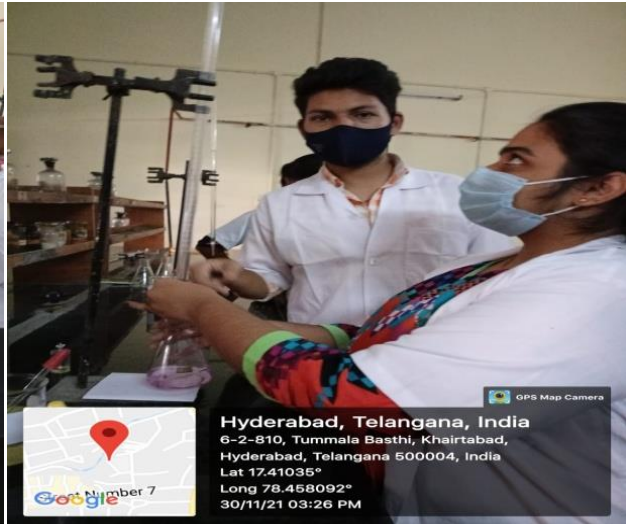
8.	2018-19	Investigation of Foaming capacity of Bathing and washing soaps	D.Preethi K.Sushma Malekha Khan Aarti Shareen	MPC III MPC III BZC III BZC III BZC III	Ms.G.Manideepa Ms.Jesse .L
9.	2018-19	Green Tea and its effects	S.Ajay Goud A.Shruthi A.Sandeep B.Rithika M.Ashwini	BZC I BZC I BZC I MPC I MPC I	T.Aruna Kumari B.Anitha
10.	2018-19	Food Adulteration	k.Bhagvathi Sana Sulthana R.Dhanalaxmi P.Swathi Anil Chowhan	BZC II BZC II BZC II BZC II BZC II	Ms .T.Aruna Kumari Dr.G H.Anuradha





Hyderabad, Telangana, India
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GROUP DISCUSSIONS

Students of each class are divided into four groups and each group is given a separate topic to discuss among the students of the same group in the presence of staff members. Finally each group is asked to explain the topic in detail

S.No	Topic	Class	Date
1	Semi microanalysis of Anions	I MPC	25.1.2019
2	Semi microanalysis of Anions	I BZC	28.1.2019
3	Semi microanalysis of Cations	I MBC, MZC	29.1.2019
4	Semi microanalysis of Cations	I BtBC, BtZC	30.1.2019
5	Classification of Elements	II MPC	12.7.2019
6	Classification of Elements	II BZC	15.7.2019
7	Functional group of Organic Compounds	II MBC, MZC	16.7.2019
8	Separation Techniques	III BZC	6.1.2020
9	Electro Analytical methods	III MPC	18.1.2020
10	Amino acids	III BZC	23.1.2020
11	Anion Analysis	I BSc	7.12.2021
12	Global Warming	II BSc	5.2.2022
13	Classification of Elements	II BSc	25.8.2022
14	Organic Named Reactions	I BSc	09.5.2023



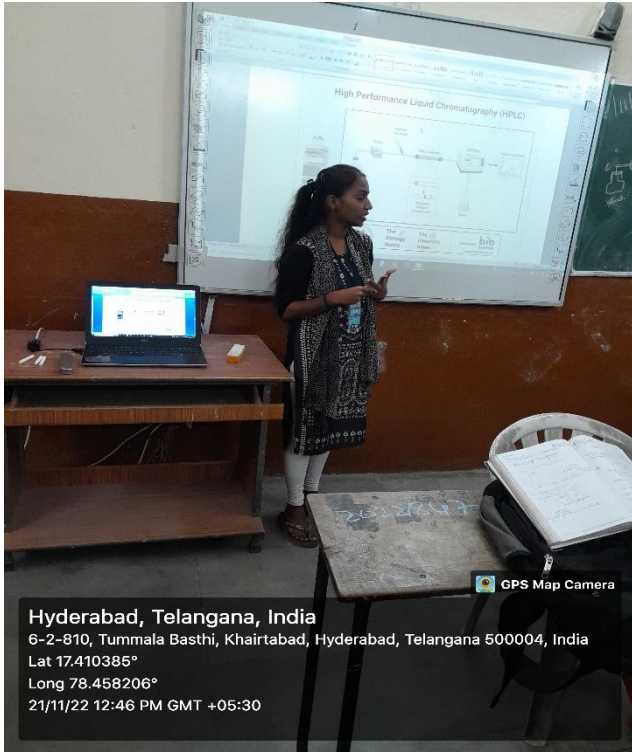


STUDENT SEMINAR

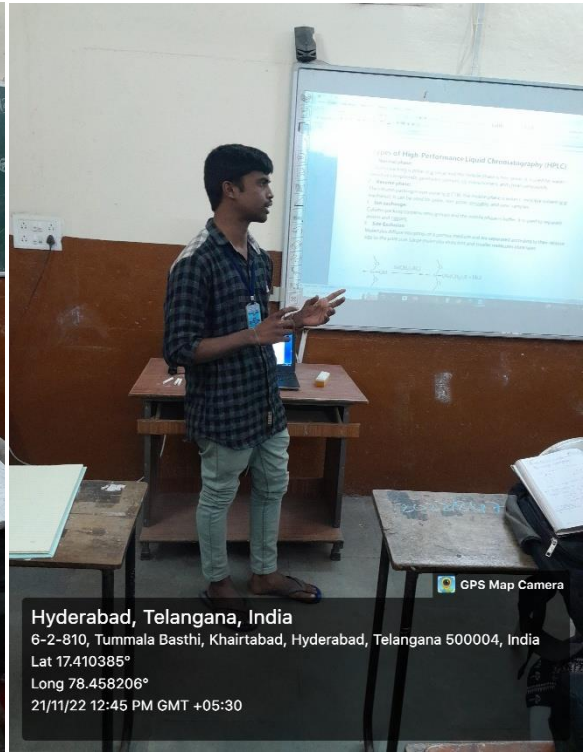
Selected topics are assigned to the students of B.Sc. I, II, III year to participate in seminar. Many students actively participated in seminars. List of few students and the topics assigned to them are given below.

S.No	Name of the student	Class	Topic	Date
1	Malekha Khan	II	Stereochemistry of carbon compounds	22.11.2018
2	N.Lokesh	I	Friedal – Crafts Alkylation	20.12.2019
3	Afsha Ruhi	III	Enzymes	23.12.2019
4	Tanuja, Sana,Akash,Afsha	III	Asprin,Paracetamol	28.1.2019
5	P .Usha	I	Stereochemistry	28.1.2019
6	N.BhanuChander	III	Chromatographic Techniques	1.2.2019
7	M.Sravani	III	Colloids	2.2.2019
8	K.Triveni	III	Co-ordination Compounds	4.2.2019
9	T.Raju	III	Co-ordination Compounds	5.2.2019
10	K.Vani	II	Conductometric titrations	23.1.2020
11	M.Anusha	II	Werner's Coordination theory	25.1.2020
12	K.Balraju, Sunil Kumar	III	Carbohydrates	29.1.2020
13	Dhana Lakshmi	III	Applications of trans effect	31.1.2020
14	K.Jaya Ramudu, N.Bhanu Chander	III	Inter conversions (Carbohydrates)	3.2.2020
15	M.Sravani	III	Receptors	13.2.2020
16	M.Anusha	III	Aromaticity	12.10.2020
17	P.Chandana Lahari	III	Stability of metal complexes	9.12.2020
18	B.Ramya	III	Principle and Procedure of TLC	17.12.2020
19	Nandini	II	Isomerism in Co-ordination Compounds	22.12.2020
20	G.Srinath	II	Carnot Cycle	29.12.2020
21	C.Adam	I	Vander Waal's Equation of State	16.4.2021
22	S.Sainithin	III	Carbohydrates	19.4.2021
23	Tarun Tripati	I	Separation of I Group Cations	23.11.,2021
24	M.Gayatri	I	Separation II Group Cations	24.11.2021
25	Ch. Dharani D. Prathyusha	II	Asprin, Nerolin Preparation	29.11.2021

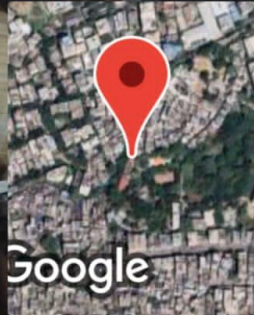
26	S.Bindu	II	Amines	9.12.2021`
27	T.Tarun	I	Hybridization	6.1.2022
28	A.Sampada Reddy	II	Joule -Thompson Co-efficient	4.2.2022
29	V.Srialaya	II	Phase diagram of Water System	5.2.2022
30	S.Sravani	II	Structure of Nickel tetra Carbonyl	8.2.2022
31	Muskan Tabassum	III	Classification of molecules based on inertia - Rotational Spectrum	10.2.2022
32	M.Akhil Kumar	II	Reactions of Carboxylic Acids	12.09.2022
33	A.Shashmitha Reddy	II	Derivation of Carnot's Cycle and efficiency	04.11.2022
34	V .Sri Alaya	III	Principle of H ¹ NMR Spectroscopy	16.11.2022
35	S.Sravani G.Vamshi krishna Venkata Harish Chandra	III	Principle And Instrumentation of HPLC	21.11.2022
36	P.Prameela	II	Structure of Nickel Tera Carbonyl	22.11.2022
37	N.Pallavi	I	Depression in Freezing point	17.4.2023
38	P.Prameela	II	Derivation of rate constant K for 2 nd order reaction	18.04.2023
39	S.Sravani K. Harish chandra	III	Vitamins and Micro Nutrients	18.04.2023
40	Tarun Thripati	II	Reactions of Furan and Thiophene	27.04.2023



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WORKSHOP

Sno	Name of the Workshop	Date	No of Students participated
1	How to Handle Instruments, Chemicals and Apparatus	28 th and 29 th November 2022	90
2	Daily used products	23/12/2021	150
3	How to Handle Instruments, Chemicals and Apparatus	3/2/2020 to 8/2/2020	89
4	Chemistry at Frontier Level	2/11/2019	134







QUIZ PROGRAM

SNO	TITLE	DATE
1.	Inter Collegiate quiz Competition	21/03/2023
2.	Online quiz – World Ozone day	01/9/2022 to 10/09/2022
3.	State Level Chem Quiz- Online	08/2/2021 to 13/2/2021
4.	Quiz on National Science Day	28 /2/2019
5.	Quiz on National Science Day	28 /2/ 2018





Google

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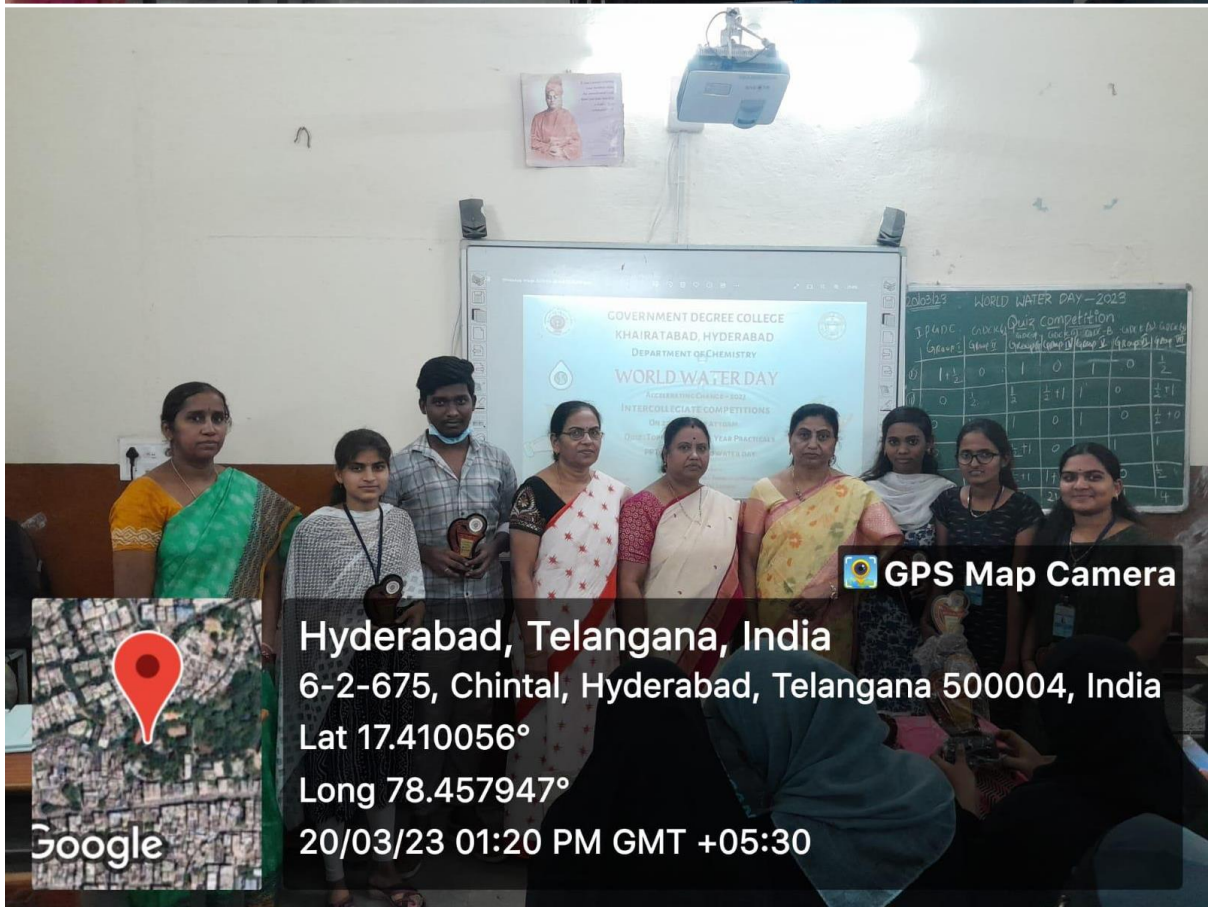
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GPS Map Camera



Google

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GPS Map Camera



**INTERCOLLEGIATE COMPETITIONS-
POWERPOINT PRESENTATIONS- On the occasion of world water day on
20th March 2023**



INTERCOLLEGIATE COMPETITIONS- MOLECULAR MODELS & POWERPOINT PRESENTATIONS

The Department of Chemistry has organized Inter collegiate competitions on Molecular models preparation and power point presentation on latest chemistry topics at GDC Khairatabad on 25th April 2022.

