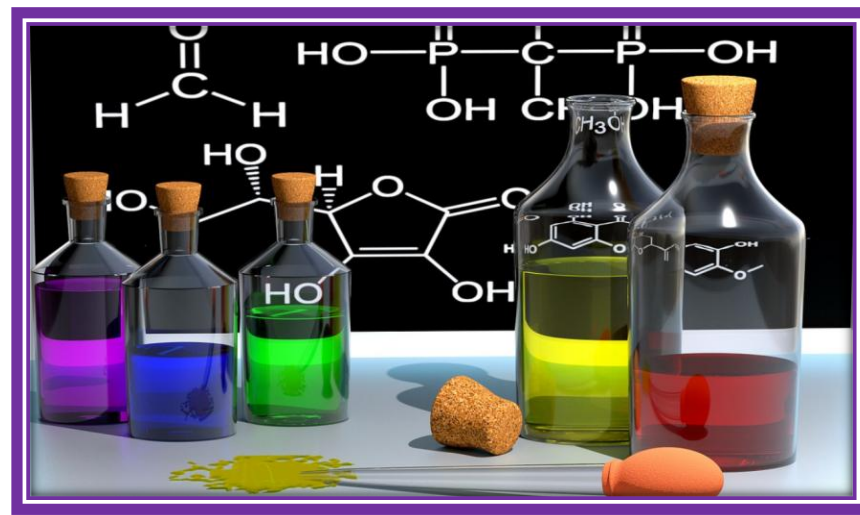




DEPARTMENT OF CHEMISTRY

Under DBT Star College Scheme



INDEX

- ACTIVITIES IN 2022-2023
- ACTIVITIES IN 2023-2024.

ACTIVITIES UNDER STAR COLLEGE SCHEME DBT 2022-23

Activity	Number
Guest Lectures	2
Outreach Program	1
Workshops	1
Alumni Meet	1
Co-curricular	3

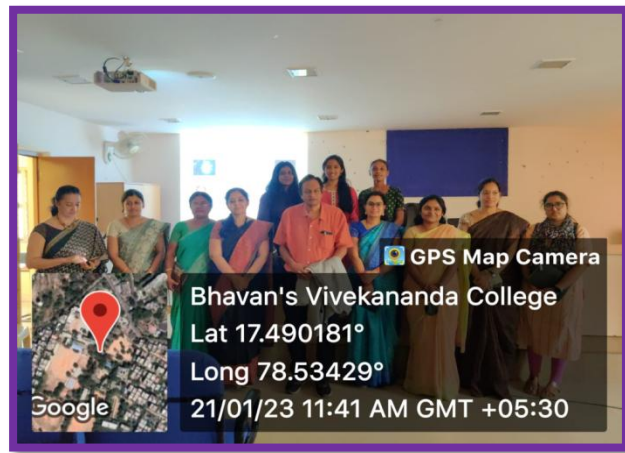
GUEST LECTURE - NMR Spectroscopy

Topic	NMR spectroscopy
Resource person	Dr. J. Subhashini, Retd., Assistant Professor, Osmania University
Date	14th October, 2022
No. of participants	95
Outcome	To help students understand instrumentation and characterization of organic molecules using NMR spectroscopy



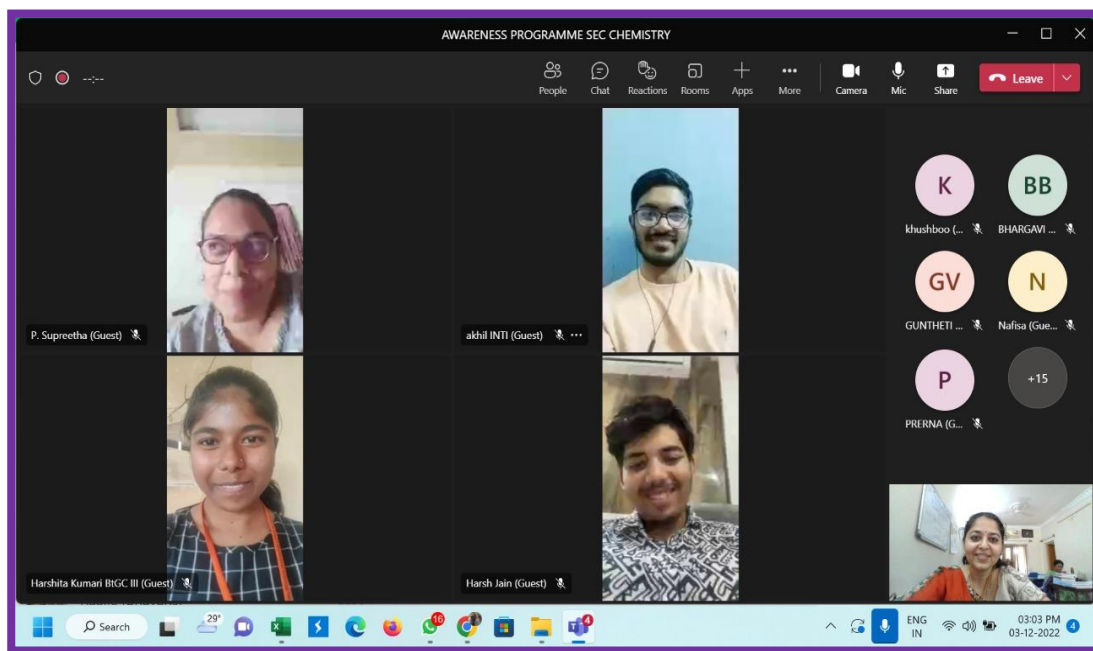
GUEST LECTURE - MOLECULES TO MATERIALS

Topic	Molecules to Materials, a fascinating journey in Chemical Sciences
Resource person	Prof. A. Venkataraman, UGC-BSR Faculty Fellow, Professor (Retd.), Dept of Chemistry & Dept. of Materials Science, Gulbarga University, Kalaburagi, Karnataka
Date	21st January, 2023
No. of participants	120
Outcome	It was very informative and gave an insight into Material chemistry, the characterization, processing and molecular-level understanding of substances.



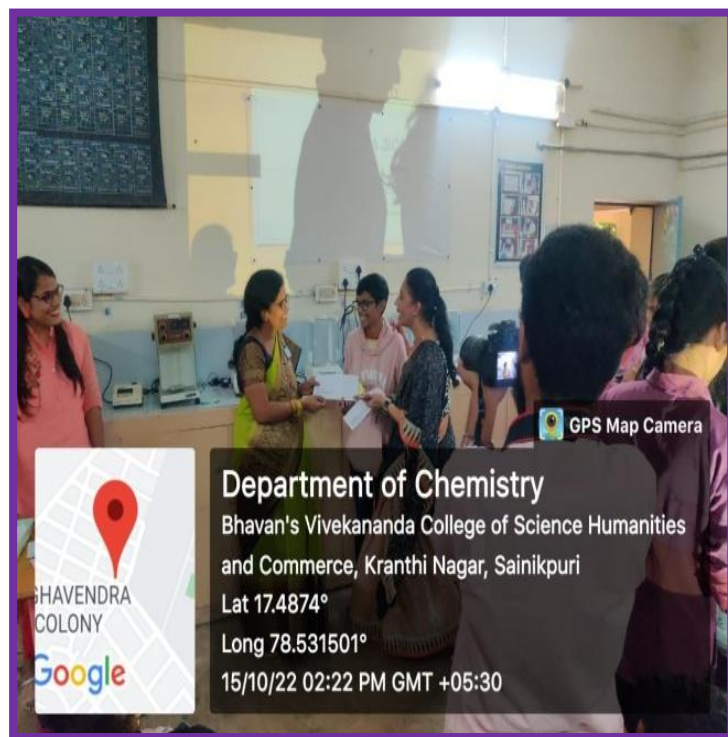
ALUMINI CONNECT

Topic	Cheminformatics
Resource person	Mr.Inti Akhil, from MBcC program (2016-19), Project Associate at CSIR-IICT
Date	3rd December, 2022
No. of participants	22
Outcome	It was an insight about the Cheminformatics course. Advantages and opportunities extended by the course.



ACTIVITY - BILIMBOLA

Topic	Tambola game
Date	15 th October, 2022
No. of participants	65
Outcome	Instead of using numbers as in the usual game, chemical elements were used.



NEXT STEPS: AN INSQUARE INTERACTIVE SESSION





Topic	Next steps
Date	29 th October, 2022
No. of participants	30
Outcome	Next Steps is an interactive session explained various chances for internship and how it can help us build a better network

Bhavan's Vivekananda College
of Science, Humanities & Commerce, Sainikpuri, Secunderabad - 500094
Autonomous College, Affiliated to Osmania University, Accredited with 'A' grade by NAAC

Department of Chemistry, Presents a
Mentoring Workshop
NEXT STEPS-

OCTOBER 29, 2022
3:30 PM TO 4:45 PM
ZOOM PLATFORM

Guest Speakers

    
DR. LATHA SURENDRA DR. MITA BRAHMA PROF. RITU KATAK PROF. ANJU MASSEY DR. KAMNA PRUVOST

INSquare is a social platform dedicated to diversity, equity, and inclusion. The team will be represented by the following members who have a special focus on STEM areas. A STEM job is any job in the fields of science, technology, engineering or math. With a foundation in these subjects, a STEM career allows you to solve problems, develop new ideas and conduct research.

ORGANISED BY DEPARTMENT OF CHEMISTRY

CONTACT:
MS. MARY NYGI KURIAN
HEAD, DEPT OF CHEMISTRY
+91 98665 36720

BHAVANOTSAV

GUFTGU:HUSH THE TONE

Topic	Alchemista
Date	9 th & 10 th February, 2023
No. of participants	48
Outcome	This event was conducted by the Department of Chemistry under Alchemista which was the sub part of Bio verse for Bhavanotsav 2023. This event brought lots of entertainment and twisting fun with chemical compounds.



BHAVANOTSAV

PIC HIT: SKETCH THE MYSTERY

Topic	Alchemista
Date	9 th & 10 th February, 2023
No. of participants	30
Outcome	This event was conducted by the Department of Chemistry under Alchemista which was the sub part of Bio verse for Bhavanotsav 2023. This event was conducted with an aim to enhance knowledge in Chemistry and different ways to depict it



BHAVANOTSAV


HEHE : MEMING ON CHEMISTRY

Topic	Alchemista
Date	9 th & 10 th February, 2023
No. of participants	30
Outcome	This event was conducted by the Department of Chemistry under Alchemista which was the sub part of Bio verse for Bhavanotsav 2023. This event intends to bring up the creativity of a student and try to erase the concept of chemistry stereotypes that it cannot ever relate with fun and entertainment.





GNANAPRAJVALAM

Topic	Gnanaprajwalam – Outreach Program for high school students
Date	17 th December, 2022.
No. of participants	65
Outcome	This outreach programme was organized by IQAC in collaboration with Dr. A. S. Rao Awards council for high school students. The students were presented with live demo experiments.

 **BHAVAN'S VIVEKANANDA COLLEGE**
 OF SCIENCE, HUMANITIES & COMMERCE
Reaccredited with 'A' grade by NAAC
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 Sainikpuri, Secunderabad - 500094

"GNANA PRAJVALAM"
 Outreach Programme For High School Students
In Collaboration With
Dr. A. S. Rao Awards Council
 Organized by
Internal Quality Assurance Cell

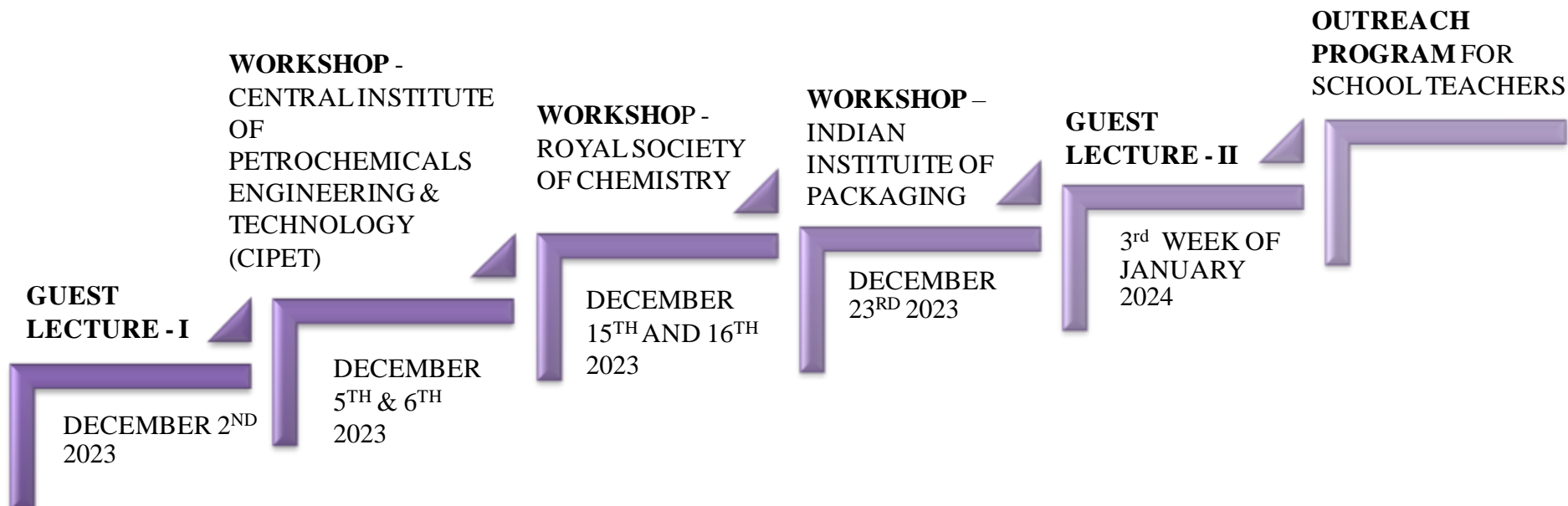
Venue: Bhavan's Vivekananda College
Date: 17th December, 2022
Time: 10:30 AM to 3:30 PM

Participating Departments
 Faculty of Life Sciences
 Faculty of Physical Sciences

For Further Details Contact
Mrs B. Niraimathi
 IQAC, Coordinator
Dr. Y. Aparna
 9866471203



PROPOSED ACTIVITIES UNDER STAR COLLEGE SCHEME DBT 2023-24.



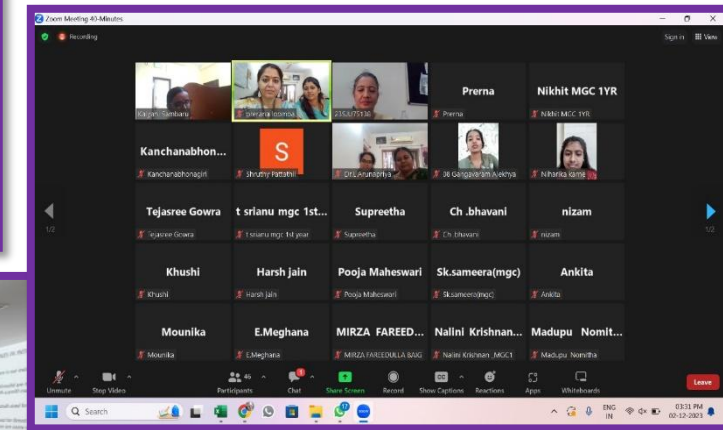
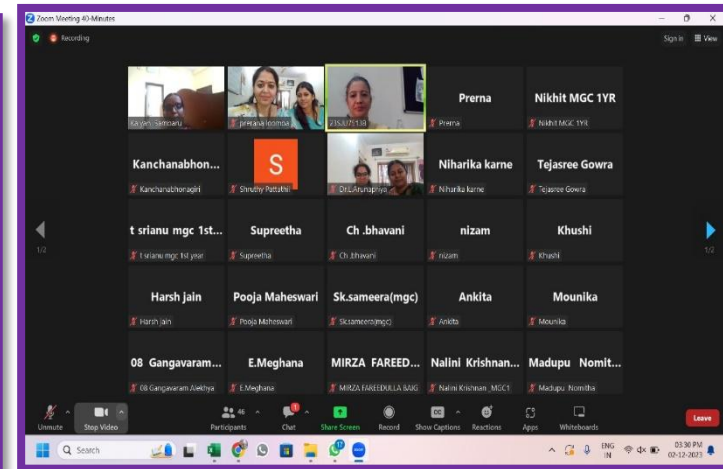
ACTIVITIES UNDER STAR COLLEGE SCHEME DBT 2023-24

Activity	Number
Guest Lectures	4
Outreach Program	1
Workshops	3
Alumni Meet	1

GUEST LECTURES

S. No	Title	Guest Speaker	Date	No. of Benefeciaries
1	Orientation Programme in Chemical Sciences by IICT	Dr. B. China Raju, Dr. Anthony Adlagatta & Mr. P. Anil Kumar	23 rd June 2023	125
2	Generic VS branded drugs	Prof. V. Peesapati	19 th August 2023	150
3	Synthetic Strategies	Dr. S. Kalyani	2 nd December 2023	60
4	DNA Nanotechnology	Pragathi. K. Prasad	29 th January 2024	60

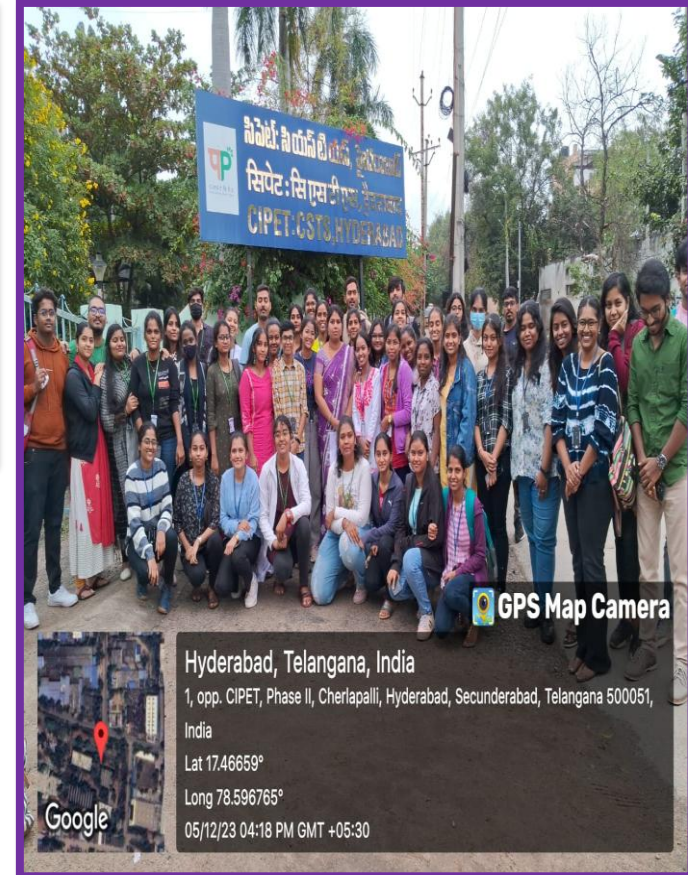
GUEST LECTURES



WORKSHOPS

S.No	Title	Date	No. of Benefeciaries
1	Workshop on Petrochemicals & Plastics from Central Institute of Petrochemicals Engineering & Technology	5 th & 6 th December 2023	55
2	Symposium and workshop in Chemical Sciences for Under Graduates by RSC-LSD	15 th & 16 th December 2023	36
3	workshop on Packaging from Indian Institute of Packaging	23 rd December 2023	18

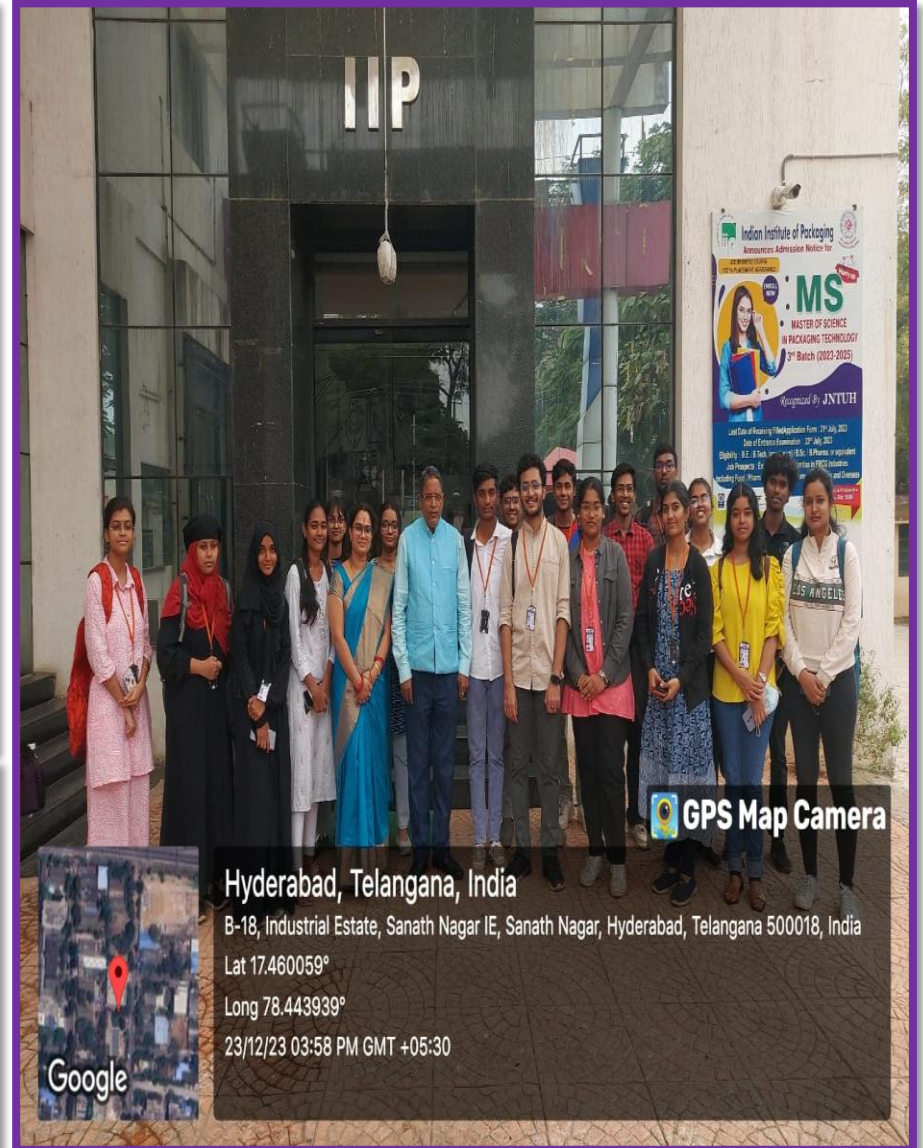
CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY



SYMPOSIUM AND WORKSHOP IN CHEMICAL SCIENCES FOR UNDER GRADUATES- RSC



INDIAN INSTITUTE OF PACKAGING

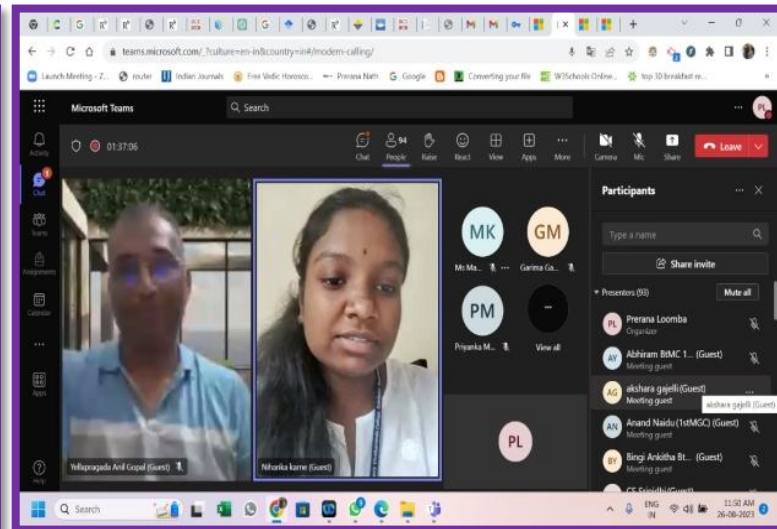
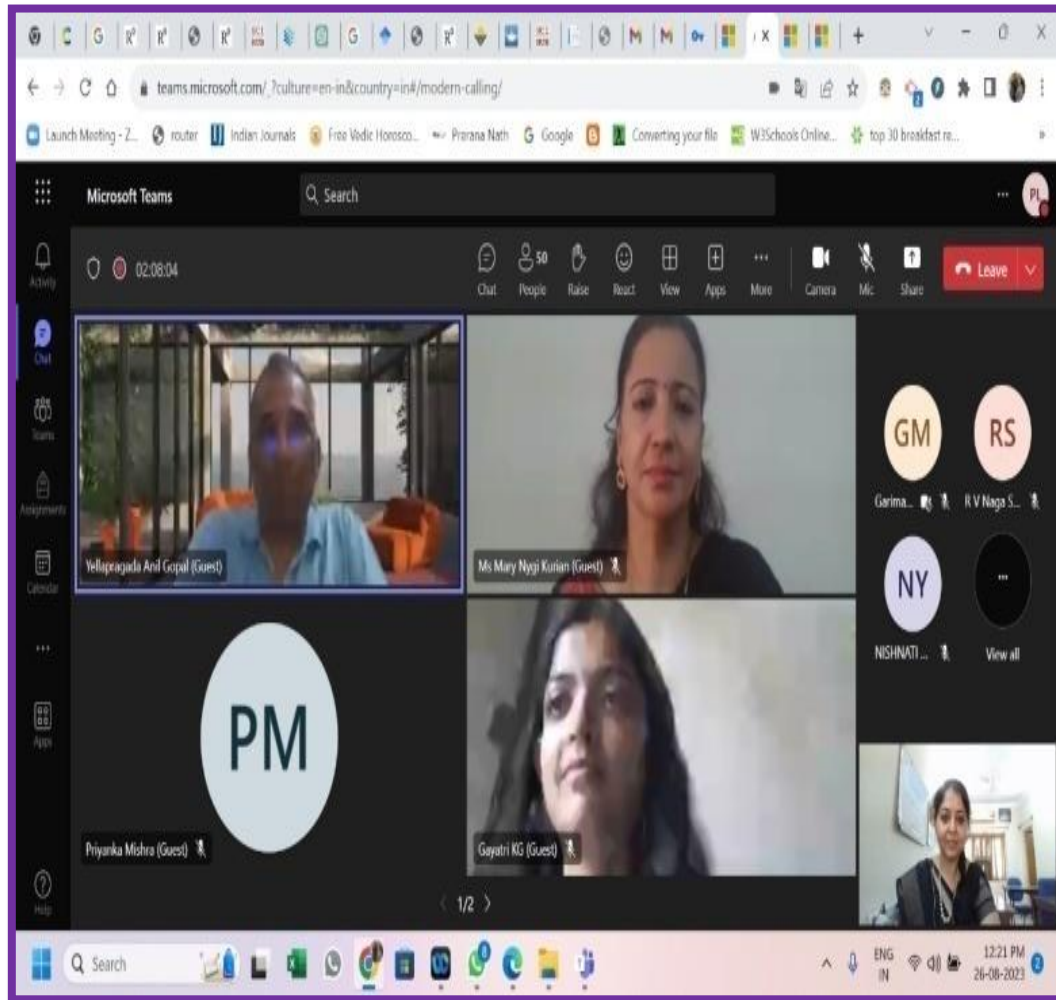


OUTREACH PROGRAMME FOR SCHOOL STUDENTS

Topic: Chemistry in daily life



ALUMNI CONNECT 26TH AUGUST 2023



FACULTY PUBLICATIONS

- Ms. Mary Nygi Kurian has published paper in Indian Journal of Heterocyclic Chemistry (Scopus) Titled Synthesis and Antibacterial Activity of New Amide Derivative of Pyrimidinediones. ISSN(Print) 0971-1627. July-September 2023 edition.
- Ms. Mary Nygi Kurian has published paper in Asian Journal of Chemistry (Scopus) Titled Novel Amide Derivative of Pyrimidinediones : Design, Synthesis, Characterization, Biological Assessment, ADMET and in Silico Docking Studies. Volume 36. No. 1 (2024) 169-176.
- Pattathil Darley Shruthy, Ture Ashok Satish, Bertrand Zing Zing and Abbaraju Venkataraman*, Fluorescence Quenching Study of 5-sulphosalicylic Acid Doped Polyaniline- γ -Fe₂O₃ Composite for High Energy Material Sensing (Fe-SPANi), Current Chinese Chemistry 2023
- Madgula, Kalpana, Lakshmi Madhuri Peddada, and Shruthy D. Pattathil. "Biologically synthesized nanocarriers for targeted drug delivery applications." In Nanotechnology for Drug Delivery and Pharmaceuticals, pp. 43-70. Academic Press, 2023.

STUDENT ACHIEVEMENTS

- C Saketh - First prize- RSC Workshop, Dec-23
- Kushi Bansal - Second prize- RSC Workshop, Dec-23
- Anirban Dash- Second prize- RSC Workshop, Dec-23
- K. Prakruthi- Second prize- RSC Workshop, Dec-23
- Mirza Fareed- Second prize- RSC Workshop, Dec-23

DEPARTMENT PROJECTS

- Studying drug- receptor interaction using Molecular docking softwares (4)
- To synthesize conducting polymers like poly anilines, poly pyrroles (5)
- Use of analytical techniques in analysis of constituents in Food products / cosmetics (4)
- Synthesis and Characterization of medicinally important compounds (5)
- Synthesis & Charecterization of Nanosilver doped PANI (5)
- Studying Schiff's bases (4)
- In silico studies of simple organic compounds (4)

INTERDISCIPLINARY PROJECTS

- Synthesis of Pyrimidienes from Ketones using microwave irradiation (5)
- Synthesis of pyrazolone derivaties (5)

*Thank
You*