

Skill development program

1. Report on 7-Days Workshop in Tools and Techniques for M.Sc. Chemistry Students at Siddhachalam Laboratory, Raipur

Date of Workshop:

Location: Siddhachalam Laboratory, Raipur

The 7-day workshop in tools and techniques for MSc Chemistry students was organized at Siddhachalam Laboratory, Raipur, from [22.01.24 to 29.01.24]. The workshop aimed to provide hands-on experience and practical training in various analytical tools and techniques relevant to the field of chemistry.

The primary objectives of the workshop were:

- To familiarize M.Sc. Chemistry students with advanced analytical tools and techniques used in research and industry.
- To provide practical training in the operation and maintenance of analytical instruments.
- To enhance the students' proficiency in data analysis and interpretation. Workshop Sessions:
- The workshop consisted of the following sessions:

- **Introduction to Analytical Instruments:**

Overview of various analytical instruments such as spectrophotometers, chromatographs, and spectroscopes.

Explanation of the principles behind each instrument and their applications in chemical analysis.

Hands-on Training: Practical demonstrations and hands-on training sessions conducted on different analytical instruments. Participants were given the opportunity to operate the instruments under the guidance of experienced instructors.

- **Data Analysis and Interpretation:** Training sessions focused on data analysis techniques and software used for interpreting analytical results. Participants learned how to analyze experimental data, identify trends, and draw conclusions.

- **Safety and Maintenance Practices:** Workshops on safety protocols and best practices for handling hazardous chemicals and operating analytical instruments safely. Guidance on instrument maintenance and troubleshooting common issues.
- **Case Studies and Applications:** Presentation of case studies showcasing real-world applications of analytical techniques in various industries.

.Conclusion:

The 7-day workshop in tools and techniques for M.Sc. Chemistry students at Siddhachalam Laboratory, Raipur, was a valuable learning experience. Participants gained practical skills and knowledge in using advanced analytical instruments, data analysis, and safety practices. The workshop provided an excellent platform for students to enhance their understanding of analytical chemistry and its applications in research and industry.



2. Report on 3-Days Workshop in Tools and Techniques for M.Sc. Chemistry Students at The Assistant Soil Testing Officer.

Soil Testing Lab, Ruabandha, Bhilai (C.G.). Title: Report on Hands-On Training in Soil Testing .The hands-on training in soil testing was conducted from [2, 3 and 5 February 2024] with the aim of providing practical experience and proficiency in soil analysis techniques. The training aimed to equip participants with the necessary skills to assess soil quality, nutrient content, and other parameters relevant to agriculture, environmental science, and land management.



Govt. V. Y. T. PG. Autonomous College, Durg (C.G.) had organized an Academic visit on 30th March 2024 to Indira Gandhi National Tribal University (IGNTU), Amarkantak, M.P., India for the students of M.Sc. Chemistry. The objectives of an Academic visit to a university science department can vary depending on the specific goals of the visit and the interests of the participants.



Awareness Programme (2023-24)

An awareness programme related to social media impact on today's society and Nasha Mukti with the help of dance, drama and posters, conducted by Chemical society of college at Govt. Middle School, Borai Village. School students were attended this programme and got benefited.

1. Awareness program organised by Department of Chemistry

keeping today's Society of prejudice in mind, the chemistry department of Government V.Y.T. PG autonomous college Durg, to eradicate societal Prejudice and orthodox Thinking had organized an awareness program pointing and focusing on Social Media impact on today's society. On

Wednesday 05th of February 2024. one day awareness camp had been organised by the department of chemistry, Government V. Y. T. PG autonomous college Durg at Government Middle School Borai, in which students of both MSc previous and final actively participated. by performing drama dance motivational songs and speeches they conveyed and spread messages about Social Media awareness, alcohol Ban issue, Vikshit Bharat..

