



Criteria 1.1.3

Skill / Employability/ Entrepreneurship Activities

DEPARTMENT OF PG STUDIES AND RESEARCH IN CHEMISTRY

Days observed

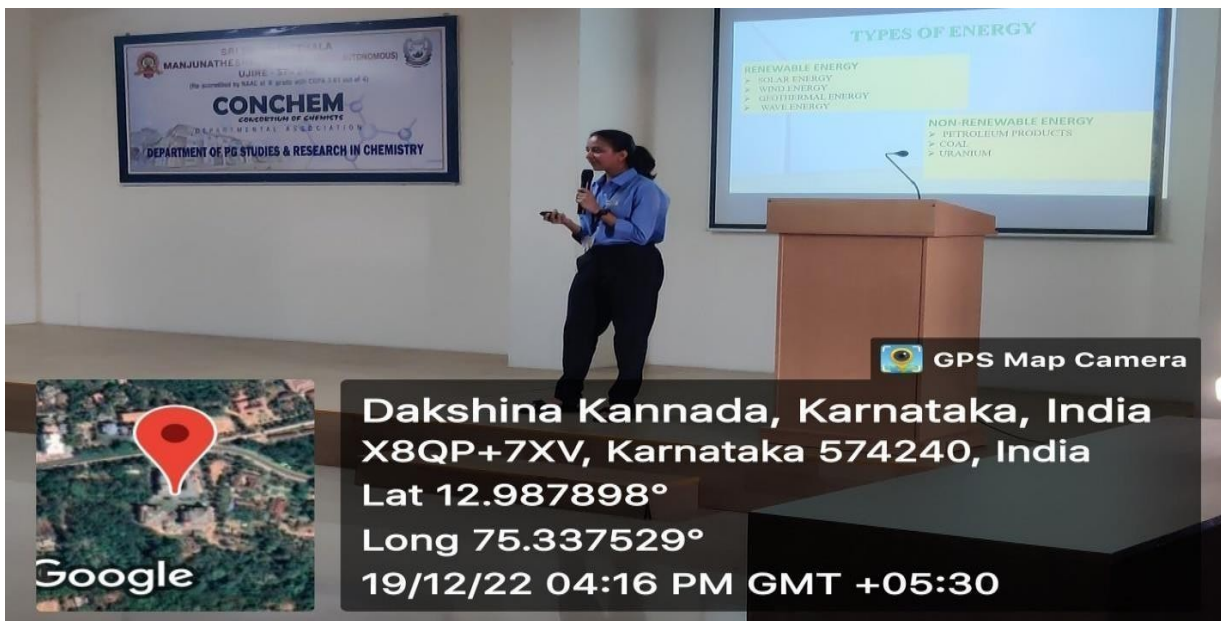
1. Energy and its conservation

The Department of PG Studies and Research in Chemistry, under the banner of CONCHEM had put together a series of events to create awareness among the students about Energy and its conservation, on 19/12/2022. Ms. Shivani from second M.Sc. Organic Chemistry welcomed the gathering and Ms. Chaitra S from Second M.Sc. Chemistry compered the programme. A presentation on Energy Conservation and the practice of the “3R’s” in our day today life was given by Ms. Swati Hegde from Second M.Sc. Organic Chemistry. Two models based on effective use of wind energy and electricity generation from harvested rain water were exhibited by the students of First M.Sc. Chemistry. To preserve available energy sources and to promote the reduced consumption of non-renewable energy sources in everyday life, a skit was performed by Ms. Soujanya and team. Ms. Shruthi from First M.Sc. Chemistry proposed the vote of thanks.





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2. National Science Day Celebration

The Government of India designated 28 February as 'National Science Day' in 1986. On this day, Sir C.V. Raman announced the discovery of The Raman Effect for which he was awarded the Nobel Prize in 1930. In order to mark this day, the Department of PG Studies and Research in Chemistry, under the banner of CONCHEM organized an intra-departmental competition on 28 February 2023. Mr. Shashanth B. from Second M.Sc.Chemistry welcomed the gathering and Ms. Swati Hegde from Second M.Sc. Organic Chemistry emceed the programme. Various competitions were held among the first- and second-year students to enhance their interest and knowledge in the field of Science. Nine groups were actively participated in various events. The competitions held were as follows:

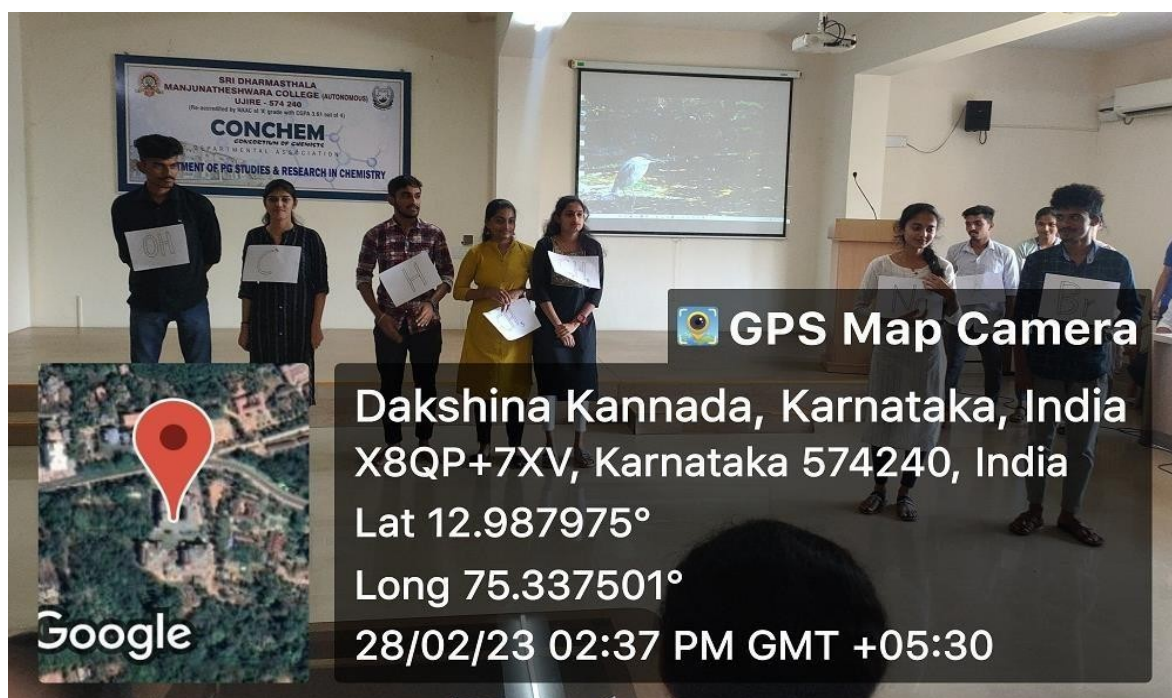
Icebreaker: The teams performed on various Science themes.

Turn-coat: Participants from various teams were given topics on the spot and were instructed to talk on the pros and cons of the topic.

Wall Magazine: Teams prepared wall magazines on various chemistry topics.

Stress Interview: The Stress Interview was conducted in 2 rounds: A preliminary qualification round and a final interview round. Four among the nine participants qualified in the preliminary round for the final round. A scientist was assigned to each of the four participants and they were judged based on their performance. This required them to not only introduce themselves in the guise of the scientist but also answer questions based on the scientist's life and theories.

All the students participated enthusiastically in all the events. Ms. Chaitra S from Second M.Sc. Chemistry proposed the vote of thanks.





3. World Environment Day Celebration

The United Nations designated 5th June as World Environment Day to highlight that the protection and health of the environment is a major issue, which affects the well-being of peoples and economic development throughout the world. This year 50th World Environment Day is celebrated with the theme 'Solution to Plastic Pollution'. In order to mark this day, the Department of PG Studies and Research in Chemistry, under the department association CONCHEM organized an intra- departmental skit competition on 21 June 2023.

Nine teams from M.Sc. Chemistry and Organic Chemistry performed skit on topics such as harmful effects of plastic, the present and future scenario of the Earth, replacement of non- biodegradable objects such as plastic bags with cloth bags, plastic bottles with steel ones for a sustainable life, conservation and rejuvenation of river Ganga, etc. All the students have participated enthusiastically in this event.

Through this programme, the association believes that the students have gained awareness about the importance of conserving our environment and spread the same to the rest of the society as responsible citizens. Ms. Prajna S K from I M.Sc. Chemistry welcomed the gathering and Ms. Chaitra S from II M.Sc. Chemistry narrated the program. The vote of thanks was proposed by Ms. Shruthi V S from I M.Sc. Chemistry.



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Industry-Student Interaction:

PG Department of Chemistry organized student industry interaction on "Various sectors in industry and importance of higher studies in industry" by Dr. Lokesh Ravilla, Head - R&D, Anugraha Chemicals Bangalore. He interacted with the II MSc Chemistry/Organic Chemistry students and described the various sectors in the pharmaceutical industry and importance of higher education in industry.



1. Student- Eminent Professor interaction programme

Department of PG Studies and Research in Chemistry organized an interaction programme by Prof. Dr. Shivarama Holla, Former Chairman, Department of Chemistry, Mangalore University and Former HoD, PG Department of Chemistry, SDM College (Autonomous), Ujire on 20 June 2023. He interacted with II M.Sc. Chemistry and Organic Chemistry students.

Dr. Holla provided information about various schemes available to pursue research abroad and across the country at reputed institutions. He shared many success stories of Chemists with students to boost their love towards research and strengthen their decision of taking up research as career after MSc. Poverty is not a hindrance to avail higher studies until and unless one shows true dedication and determination towards higher education, he said. There are many financial assistance provided for the students to meet their dream of achieving higher studies, he added.



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Students clarified their doubts and asked about scholarships available. They also queried Dr. B S Holla about industrial opportunities and scope for research work at industries.

Dr. Vishwantha P, Dean PG Studies & Head, Department of PG Studies & Research in Chemistry and all faculty members of the department were present.

Dr. Nefisath P narrated the interaction program.



2. Industry-Student interaction

Dr. Sumesh Eswaran, Dy Senior Scientist, Anthem Biosciences, Bangalore, has interacted with the II M.Sc. Chemistry & Organic students and delivered a talk on career opportunities in industry.

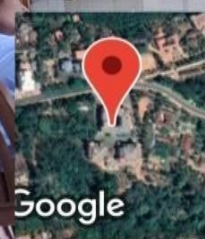




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Institutional and Industrial Visit

The Department of PG Studies and Research in Chemistry organized Institutional and Industrial Visit for II M.Sc. Chemistry and Organic Chemistry students, from 14-04-2023 to 20-04-2023. 70 students and 8 staff members have visited Indian Institute of Technology, Gandhinagar and Alkem Laboratories Limited, Mandvabuzarg, Gujarat. Students were guided by Research Scholars and sports instructors and taken to various labs including Research and Development, Quality Control, instrumentation labs and sports complex. Institutional visit was successful with workshop organized by Center for Creative Learning (CCL), IIT Gandhinagar. Research associates and Scientists introduced and explained the working of various labs including Research and Development, Quality Control, Quality Assurance and Kilo labs. This institutional and industrial visit was more focused towards providing an exposure for the students to industries and to inspire them regarding research.



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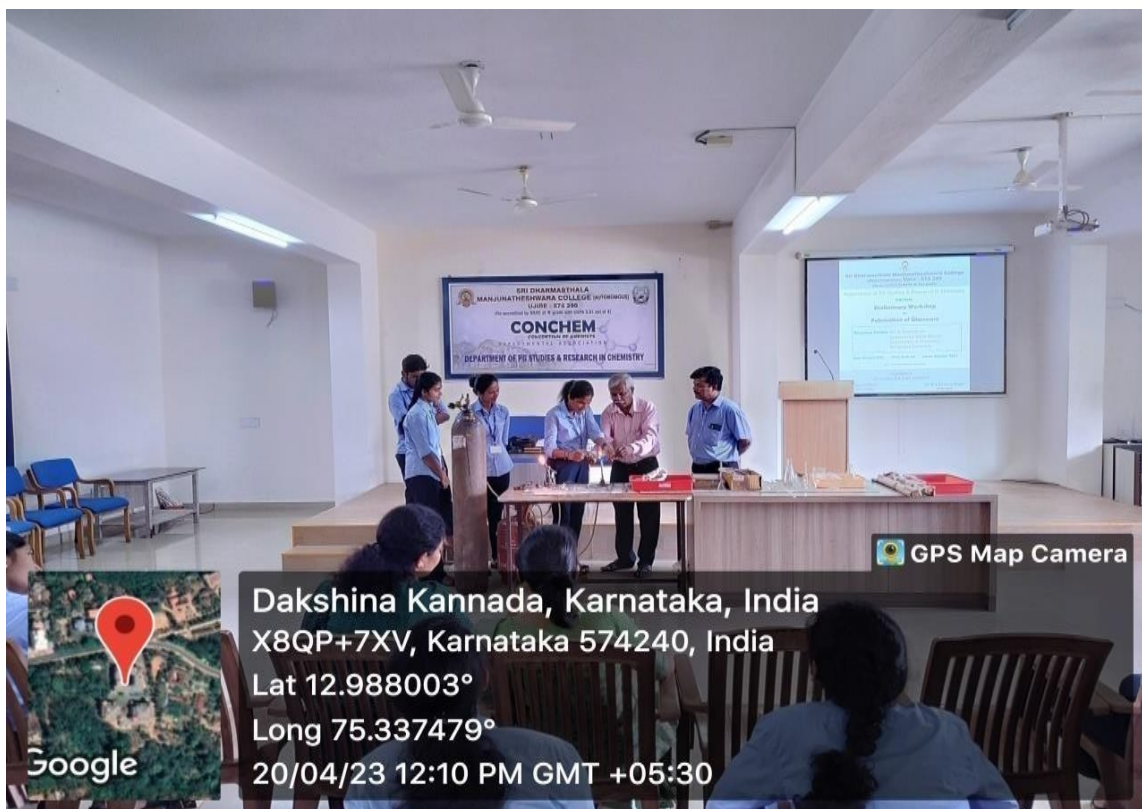


Preliminary workshop on fabrication of glassware

The Department of PG Studies and Research in Chemistry, under the banner CONCHEM, the department association, had organized an insightful “Preliminary workshop on fabrication of glassware” on 20 April 2023. The resource person was Sri A. Rajendran, a specialized glassblower from the Department of Chemistry, Mangalore University. Ms. Bindhya M G from I MSc Organic Chemistry gave a brief introduction of the guest followed by an introductory note on how beneficial this workshop is to the students, by Dr. Vishwanatha P, Dean, PG Studies and Head of the Department. Sri Rajendran familiarized the audience on handling of different kinds of glass apparatus and their nature. He took over a variety of tasks such as capillary formation, smoothening of sharp cut edges of broken glass apparatus so as to reuse it and fabrication of bent tubes, T-joints etc. using different glass blowing techniques. A few of the students actively volunteered in learning different techniques of glass blowing. The program was coordinated by Dr. Sowmya B P and Dr. Nefisath P, Assistant Professors of the department. Ms. Supriya K from I MSc Organic Chemistry welcomed the gathering and Ms. Prajna S K from I MSc Chemistry narrated the program. Session ended with a vote of thanks proposed by Ms. Shruthi V S from I MSc chemistry. By this workshop, the association believes that the students are left with eagerness on various methods of handling the glassware.



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National Workshop on Molecular Docking & Electroanalytical Techniques (MDET -2023)

It is the responsibility of scientist to communicate scientific work for the benefit of society and also to apply the methodology to find solution to the immediate problems faced by the society, opined **Dr. H S S Ramakrishna Matte**, INYAS Member, Scientist-D, Centre for Nano and Soft Matter Sciences, Bengaluru.

He was addressing as a chief guest at the **National Workshop on Molecular Docking & Electroanalytical Techniques (MDET -2023)** organized by Department of PG Studies and Research in Chemistry & Indian National Young Academy of Sciences (INYAS) on 06 June 2023.

The science has to deal with societal responsibility of providing solution to social problem. Every phase of social life should carefully observed and scientifically studied. Scientific research should not confine to laboratories, its scope should be wide as it applies to every functional activity of daily life. Only then, science could provide a meaningful solution to society's crises with socially responsible citizen, he added.

The program was inaugurated by **Dr. Satheeshchandra S.**, Secretary, SDM Educational Society, Ujire. Molecular docking and Electroanalytical techniques provide ideal solutions to challenges in health, climate and food production sector. Therefore



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research on this area is important, he said.

The Principal of the college, **Dr. B A Kumara Hegde** presided over the program. He said, curiosity is the mother of all sciences and it is the route cause of every invention in the world. So, students should develop the sense of curiosity.

Dean of PG studies, **Dr. Vishwanatha P** and former Head of the Department **Prof. B. Shivarama Holla** were present. The workshop coordinators, **Dr. Sowmya B P** welcomed and **Dr. Nefisath P** proposed vote of thanks. Student **Ms. Soujanya Shetty** narrated the program. Anuradha and team offered the prayer.

The workshop included, the key note address, by **Dr. H S S Ramakrishna Matte**, two technical sessions and two hands-on training sessions by **Dr. Manjunatha J G**, Head, Department of Chemistry, Field Marshal KM Cariappa College, Constituent College of Mangalore University, Kaveri Campus, Madikeri and **Dr. Ramith Ramu**, Assistant Professor, Department of Biotechnology & Bioinformatics, JSS Academy of Higher Education & Research, Mysuru, Karnataka. Gathering of faculty members, research scholars and M.Sc. students was up to 195. Valedictory of the workshop was addressed by Dr. Ramith Ramu as a chief guest and Dr. Vishwanatha P., presided over the program. Delegates from different institutions expressed their opinion. Dr. Shashiprabha welcomed the gathering, Dr. Naveen Kumar proposed vote of thanks and Ms. Prajna S K narrated the programme