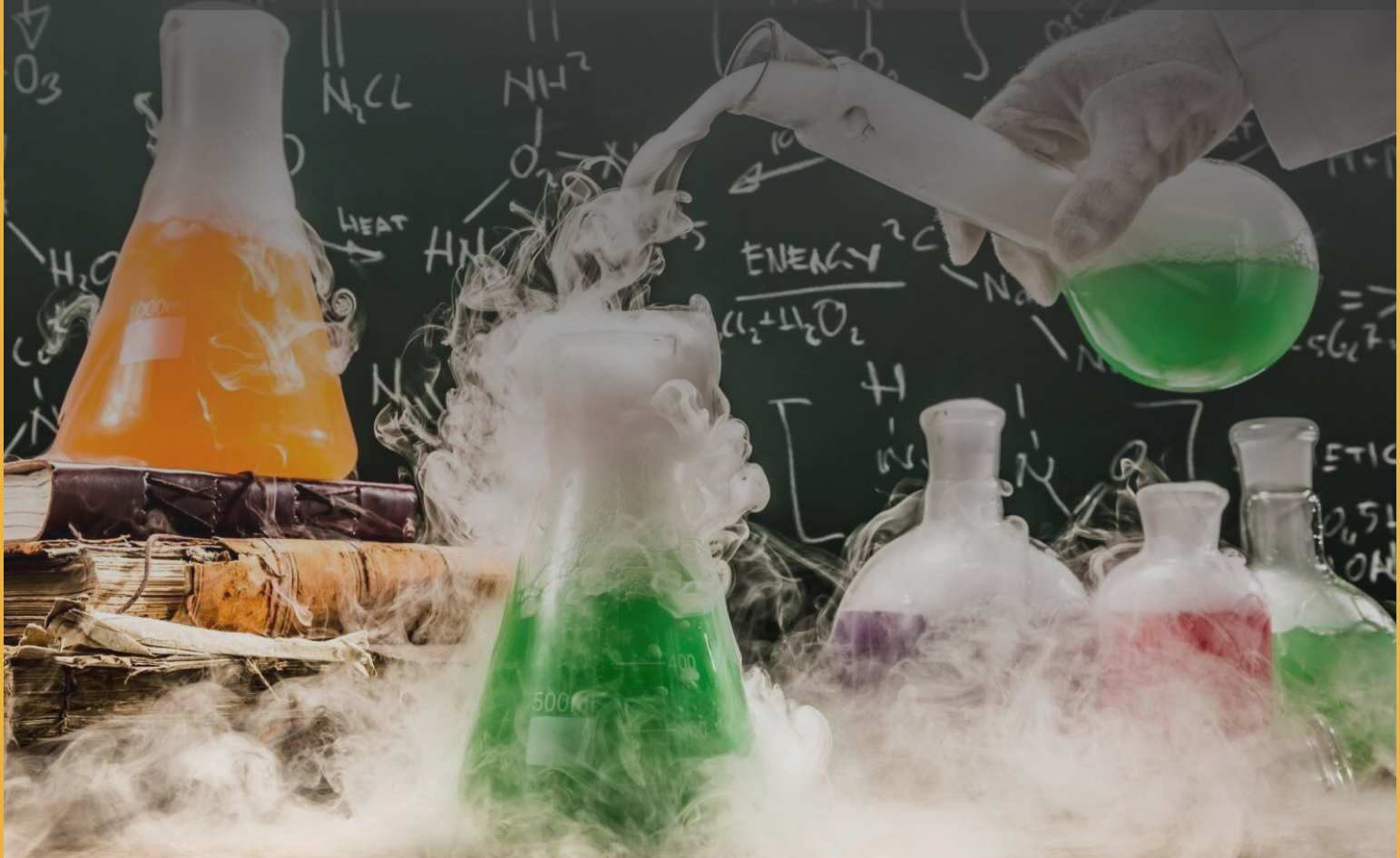




Gyanmanjari[®]
Innovative University

TIME'S OF GMIU SCIENCE DEPARTMENT



◆ STRESS RELIEF

Engaging in fun, interactive games and cultural activities can be an excellent way to relieve stress, promote relaxation, and enhance social connections. Activities like Musical Chairs, Garba, and Hide & Seek not only provide entertainment but also encourage movement, laughter, and teamwork, all of which contribute to stress reduction and overall well-being.

The objective of a stress relief activity is to provide individuals with effective strategies to manage and reduce stress, promoting overall mental and emotional well-being. Through relaxation techniques such as deep breathing, meditation, and guided imagery, participants can develop a sense of inner calm and mindfulness, helping them to better navigate daily stressors. These activities also encourage self-awareness by helping individuals recognize their stress triggers and adopt healthier coping mechanisms.

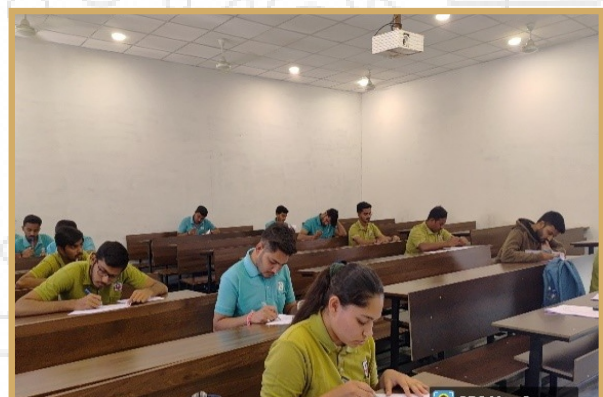


◆ APTITUDE TEST

The objective of an aptitude test is to assess a person's ability to perform specific tasks or solve problems in certain areas, such as logic, mathematics, language, and reasoning. These tests aim to measure a person's potential for learning, problem-solving skills, and how quickly they can adapt to new challenges. Aptitude tests are commonly used by educational institutions, employers, and recruitment agencies to determine an individual's strengths, weaknesses, and suitability for a particular role or academic program.

They help provide a fair and standardized way of evaluating candidates, often independent of their past experiences or education

The activity involved a set of logical reasoning questions designed to challenge students' cognitive skills. These questions ranged from basic to moderately complex and were structured to assess various forms of logical thinking, such as pattern recognition, deductive reasoning, analogies, sequences, and data interpretation.



EXPERT TALK

The expert talk by Dr. S. Subramanian, a scientist from CSMCRI (Central Salt and Marine Chemicals Research Institute), provided valuable insights into the field of catalysis. The session focused on the fundamental principles, recent advancements, and industrial applications of catalysis in chemical processes. Dr. Subramanian elaborated on the role of catalysts in enhancing reaction efficiency, selectivity, and sustainability, highlighting their significance in green chemistry and energy-related applications.

During the talk, he discussed various types of catalysts, including homogeneous, heterogeneous, and enzymatic catalysts, along with their mechanisms and practical implications. He also shed light on emerging trends such as nano-catalysis, photocatalysis, and electrocatalysis, emphasizing their potential in environmental and industrial sectors. The session provided an excellent opportunity for students and researchers to understand cutting-edge developments and challenges in catalysis research.



INDUSTRIAL VISIT

1. Guided Tour of the Port Facilities :

Participants will be taken on a guided tour of the port, where they will observe key operational areas such as cargo handling terminals, container yards, and warehouses. This will offer a firsthand view of how goods are managed and processed within the port.

2. Demonstration of Automated Systems :

A demonstration of the port's cutting-edge technologies, including automated cranes, cargo handling systems, and digital tracking software, will help participants understand how technology enhances efficiency in port operations.

3. Presentation on Port Operations and Logistics :

A session by port officials or industry experts will provide detailed insights into the logistics, supply chain management, and operational strategies employed at Adani Port. Topics may include port management, vessel scheduling, and international trade.



◆ LINKEDIN PROFILE

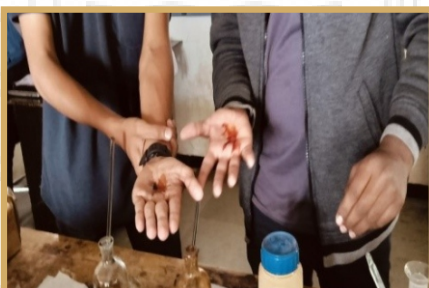
The LinkedIn profile activity section serves as a dynamic record of a user's interactions and engagements on the platform, offering a deeper look into their professional life. It includes various types of content such as posts, articles, comments, shares, and likes, all of which showcase the user's personal and professional interests, as well as their level of engagement with others in their network and industry. For example, when a user posts or shares an article, it can highlight their knowledge on a particular subject, while comments or likes on other professionals' posts demonstrate their involvement in ongoing discussions.



◆ MINOR PROJECT

This engaging lab activity immerses students in the practical application of scientific principles through the creation of two common products: realistic fake blood and soothing balm. Designed to foster hands-on learning and scientific exploration, the activity provides a unique opportunity to understand mixtures, solutions, and the properties of various substances.

The activity was conducted over a specified time period, typically lasting around 45 to 50 minutes, depending on the complexity and the number of questions involved.



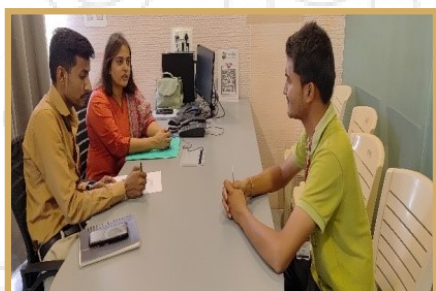
◆ MOCK INTERVIEW

As part of the mock interview activity, participants engage in a simulated interview conducted by a mentor, instructor, or peer acting as the interviewer. Before the session, participants submit their resumes and are assigned roles or job positions relevant to their career interests. The interview is conducted in a professional setting to mimic real-life conditions, including formal attire, timed questions, and a structured format. During the session, a range of questions—technical, behavioral, and situational—are asked, and the participant is expected to respond confidently and clearly.



◆ PLACEMENT

The Placement Drive was held on 27th April in the university campus and was a significant event for students from the B.Sc. (Semester 6) and M.Sc. (Semesters 2 and 4) programs. A total of 64 students enthusiastically participated in the recruitment process, which spanned several hours and involved multiple stages of evaluation and interaction. Students participated with great enthusiasm and professionalism. Many expressed that the experience was valuable, regardless of the final outcome, as it gave them real-time exposure to job interviews and boosted their confidence. Several students were shortlisted for second-level interviews or further selection rounds at the company headquarters.



◆ SOFTWARE SKILL PROFICIENCY

To familiarize students with the ChemDraw software, enabling them to effectively create and edit chemical structures, reactions, and molecular diagrams. Through this activity, students will develop the skills needed to represent chemical compounds visually, analyze molecular properties, and communicate scientific information accurately. The activity aims to enhance students' understanding of chemical structures and their ability to document and share molecular data in academic and research settings.



◆ STRESS RELIEF ACTIVITY

As part of the mock interview activity, participants engage in a simulated interview conducted by a mentor, instructor, or peer acting as the interviewer. Before the session, participants submit their resumes and are assigned roles or job positions relevant to their career interests. The interview is conducted in a professional setting to mimic real-life conditions, including formal attire, timed questions, and a structured format. During the session, a range of questions—technical, behavioral, and situational—are asked, and the participant is expected to respond confidently and clearly.



◆ STUDENT CHAPTER

The Chemical Engineering Student Chapter is an officially recognized student-led organization established within the Department of Chemical Engineering to provide a collaborative platform for undergraduate and postgraduate students. The chapter is dedicated to enriching the academic journey of chemical engineering students by complementing classroom learning with co-curricular and extracurricular opportunities that promote personal, academic, and professional growth.



◆ GROUP DISCUSSION

Microorganisms are present all around us, both in the environment and inside our bodies. While they are essential for many biological processes, they can also be responsible for causing diseases and environmental problems. This group discussion aims to present a balanced view of micro organisms by highlighting their brighter side (beneficial aspects such as in medicine, agriculture, and food industry) and their darker side (harmful effects like disease-causing pathogens and environmental hazards). The session will encourage students to engage with both the positive and negative impacts of microorganisms, understand their multifaceted roles, and debate their significance from scientific, medical, and societal perspectives.



◆ GUIDANCE FOR HIGHER & OVERSEAS STUDY

The activities for B.Sc. Semester 6 microbiology students should focus on career counselling, guest lectures, and hands-on training. Workshops can introduce higher education opportunities both in India and abroad, covering postgraduate programs, research internships, and scholarship options. Prof. Dipak Vyas provide real-life insights and motivation regarding higher education field. Additionally, insight of Prof. Vaibhav Prajapati regarding organizing resume-building and SOP-writing sessions will help students prepare for applications. Interactive webinars on competitive exams (like GRE, TOEFL, GATE) will ensure they are well-informed. These activities aim to guide students in making informed decisions about.



◆ HANDS ON TRAINING ON OVAM PICK-UP AND ANALYSIS

Ovum(Egg)Retrieval

Objective: To retrieve mature oocytes (eggs) from a woman's ovaries for fertilization.

Why: This is necessary when a woman is undergoing IVF or egg donation. The goal is to collect the best-quality eggs for fertilization by sperm, either through traditional IVF or ICSI (Intracytoplasmic Sperm Injection).

1. Monitoring Oocyte Quality

Objective: To assess the quality of the retrieved eggs.

Why: The quality of the oocytes is critical for successful fertilization and embryo development. Analysis can include checking the appearance, maturity, and potential for fertilization.

2. Assessment of Ovarian Reserve

Objective: To determine the number and quality of eggs available in the ovaries (often assessed before and after stimulation).

Why: Helps fertility specialists gauge how many eggs might be retrieved and understand the patient's fertility potential, which is essential for planning treatment strategies.

3. Embryo Culture and Development Analysis

Objective: To monitor the development of embryos after fertilization.

Why: This step is important to identify the best embryos for implantation, ensuring the highest chances of pregnancy.

4. Genetic Screening

Objective: To perform preimplantation genetic testing (PGT) on the embryos if needed.

Why: PGT helps to identify genetic conditions and chromosomal abnormalities in embryos before transfer to avoid transferring embryos with genetic defects.

5. Optimization of Treatment Protocols

Objective: To evaluate how well the ovarian stimulation protocol worked.

Why: Helps to customize future IVF cycles for the patient based on how well the ovaries responded, ensuring better chances for success in future cycles.



◆ PRE - PLACEMENT ACTIVITY

Canva is an excellent tool for students, providing a visual suite that enhances creativity and design skills. With its intuitive interface and vast array of resources, Canva enables students of all ages to create professional-level designs for school projects, presentations, social media, marketing materials, and more. It is especially beneficial for students in creative fields, but also valuable for those in more technical disciplines who wish to enhance the visual appeal of their work.



◆ Stress Relief Activity

The survey results indicated that students who participated in regular stress relief activities reported feeling less anxious, more focused, and improved in their academic performance. Physical activities such as sports and exercise were the most popular among students, with 70% reporting reduced stress after engaging in such activities. Mindfulness practices also showed positive outcomes, with 55% of students indicating improved concentration and a decrease in anxiety.

