



DEPARTMENT OF CHEMISTRY
INNOVATIVE AND BEST PRACTICES

#Practice 1:

1. Title of the Practice: “**CHEMISTRY IN DAILY LIFE**” led by Life Sciences students.
2. Objectives of the Practice:
 - To inculcate chemistry knowledge among all students including non-chemistry
 - Exposing students to different learning sources while searching for the topic.
 - Building team spirit and coordination among students while doing the activity.
3. The Context:

Chemistry plays a vital role in our everyday lives, often in ways that we may not even realize. Chemistry drives pharmaceuticals, food production, and personal care products, enhancing health and daily living. This subject contributes to material development, energy production, and cleaning products, improving efficiency and sustainability. Chemistry's role extends to environmental protection, textiles, transportation, and communication, shaping modern life for convenience and comfort. There are hazardous and toxic chemicals dangerous to our health and environment. So, it is important to teach the students about the important of chemistry for making our lives better.

4. The Practice

The students from life sciences stream select a topic and write its chemical formula, composition, structure, uses, disadvantages if any on the WALL MAZAGINE thrice a week. At the end of every month, quiz or slip-test will be conducted on the topics covered.

5. Evidence of Success

Students showing interest in collecting information and students enjoying while doing this activity. Active participation in quizzes. Students coming forward for PG and employability classes.

6. Problems encountered and resources required

Continuous supervision by faculty is needed to portray correct information about the chemical structure and formula.



#Practice 2:

1. Title of the Practice: **SKILL DEVELOPMENT – PREPARATION OF ECO-FRIENDLY COSMETIC PRODUCTS.**
2. Objectives of the Practice:
 - To promote research interest among the students.
 - To develop entrepreneurship skills among the students.
3. The Context

The household chemicals like soaps, lip balms, pain balms, hair packs can be prepared with natural products and easily available chemicals. The preparation is also done with less effort with minimum expenditure.

4. The Practice

The students who studied/ studying Skill enhancement course – Chemistry of Cosmetics and Food Processing prepared soaps, lip balms using simple chemicals like beeswax, essential oils, glycerine etc.

5. Evidence of Success

Being a women institution, all students are fond of cosmetic products. Most of the students took place in the preparation of various eco-friendly cosmetics with faculty's assistance. After the preparation, commerce students sold the chemicals to all faculty as part of Entrepreneur development cell which generated small amount of income.

6. Problems encountered and resources required

Preparation of some products involved toxic chemicals; hence extra precautions should be taken. In order to prepare on large scale, financial aid is required to purchase chemicals, gloves etc.

OTHER BEST PRACTICES include minimum usage of chemicals, proper disposal of used chemicals after lab session.