

# Report on Capacity Enhancement Program in the Department of Chemistry

## Introduction

The Department of Chemistry organized a Capacity Enhancement Program featuring competitions such as diya decoration and herbal gulal making. These activities were aimed at promoting students' creative skills, environmental consciousness, and cultural engagement, enriching their holistic development beyond the academic curriculum. This initiative aligns with NAAC's focus on fostering student participation and skill development.

## Objectives

- To develop students' creative and practical skills using traditional art forms.
- To raise awareness about eco-friendly and sustainable practices utilizing herbal and natural materials.
- To cultivate teamwork, healthy competition, and application of chemical knowledge in real-world contexts.
- To fulfill NAAC criteria relating to student support, progression, and extracurricular activities.

## Program Activities

- Diya Decoration Competition:\* Students decorated earthen diyas using eco-friendly, chemical-safe materials, connecting cultural heritage with scientific understanding.
- Herbal Gulal Making Workshop:\* Students prepared natural gulal colors using herbal ingredients like turmeric, beetroot, and marigold, gaining insights into natural dyes and their chemical properties.
- Both events encouraged experiential learning, creativity, and the application of green chemistry principles.

## Outcomes

- Active participation of students across various academic levels, showcasing creativity and skill application.
- Enhanced understanding of natural products chemistry and eco-sustainability.
- Promotion of cultural pride with environmentally responsible practices.
- Strengthened student collaboration and communication skills.

## Alignment with NAAC Criteria

- Addresses \*Criterion 5: Student Support and Progression\*, specifically indicators related to student participation and engagement in co-curricular and extracurricular activities (Key Indicator 5.3.2 and 5.3.3).
- Demonstrates institutional efforts in capacity building and skill enhancement, a critical aspect of quality assurance in higher education.
- Provides evidence of holistic student development initiatives contributing to employability and personal growth.

## Documentation and Evidence

- Records of participation, photographs, and feedback forms are maintained.
- Reports of competitions and workshops are compiled for institutional quality audits.
- These activities are integral to the department's strategy for nurturing multifaceted competencies among students.

This report format meets the expectations for NAAC submissions by highlighting program objectives, implementation details, outcomes, and alignment with quality assurance criteria in higher education. It can be incorporated as part of the institutional Self Study Report (SSR) under Student Support and Progression.





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