

SHRI SHIV CHHATRPATI COLLEGE, JUNNAR

ACADEMIC YEAR 2018-19

7.2 INSTITUTIONAL BEST PRACTICES

BEST PRACTICE-1

1. Title of the Practice:

To encourage the knowledge and innovative ideas of the students through Chem-Quiz, poster presentation and lecture competitions events.

2. Objectives of the practice:

- The objectives of these computations are
- To create scientific temper.
- To create deep sense of curiosity.
- To create keenness to get to the root of a problem.
- Willingness to change on being convinced.
- To know the basic concepts of Chemistry through fun and entertainment.

The aim of these events is to provide an excellent platform for the students to share their knowledge, ideas and innovations in the field of chemical science. Also, to create an interest about chemistry in their young minds and to emphasize the importance of basic science in daily life.

3. The Context:

- ✓ To expand knowledge and keep the students abreast of developing technology.
- ✓ To enhance creative thinking and presentation.
- ✓ To impart event management skills, leadership and peer learning among students.
- ✓ To stimulate the students undertake challenge of competing in knowledge zone and response.
- ✓ To enhance the public speaking and science writing skills.
- ✓ To enhance presentation skills.

4. The Practice:

A total of five teams from different class participate in Chem-quiz competition. Rules and regulations of the competition is explained to the participants at the very beginning. Chem-Quiz is an interesting four-round competition, including general knowledge, direct questions, objective questions with options round, case studies

round using the pictures. The students depicted their knowledge and information by answering the questions on different topics related to in chemical sciences.

Student participates individually in poster presentation and Lecture competition. Student gets confident through these events to overcome state and national level competitive examinations such as PET, SET, NET, GATE, etc.

5. Evidence of Success:

- Promotion of self-confidence, business tricks, team spirit and communication skill.
- Developed awareness to use Green Chemistry knowledge for environmental safety.

6. Problems Encountered and Resources Required:

- a) Problems Encountered: Developing a sense of motivated interest in enrolling the course. To provide time and place flexibility.
- b) Resources Required: Adequate funding is required to enlarge these events up to intercollegiate and district level.

BEST PRACTICE-2

1. Title of the Practice: “Experiential learning through Open Classroom mode”

2. Objectives of the Practice:

1. To study the flora of college campus for making the students practically familiar with the plant diversity of the campus.
2. To inculcate the value of cleanliness among the student by implementing the campus cleaning activity.
3. To explore the practical and technical knowledge of plantation and make them aware about plant conservation.

3. The Context:

Botany is the branch of science which deals with the study of plants. It is not all time possible to explain the characters, types, structure and diversity of the plant inside the four walls of classroom. Students get more understandable when the teaching is done with the help of live examples. For this purpose, the outing is very essential at a particular period of time to get the practical and live information about the plant and their diversity. Besides, the students should know the code of ethics of the institution to become a responsible citizen of the nation in their future. To inculcate the value of cleanliness among the students while learning and achieving the degree, our aim is that, students should him/herself follow the practice of cleanliness. While doing this, he should be able to think about the biodiversity conservation for sustainable development, therefore, students are also given training of plantation. To achieve the objectives prescribe above the Department of Botany has implemented the concept of open classroom mode for experiential learning.

4. The Practice:

In the context of higher education, student perceiving the degree of higher education should be self-aware about the societal and environmental problems. The education taken by the students should be focused with the “part of the solution” and the “part of problem”. Besides, student should follow the ethical practices and culture the values of pollution-free environment for sustainable development. It is only possible when the student is in learning phase. Therefore, Department of Botany actively engaged

and plays an important role in nurturing the environment friendly value education by implementing the practice of cleanliness and plantation. For this purpose, Department of Botany organizes the campus visit for the Botany students of first year and second year B.Sc. During this visit, the floral diversity of the campus is explored to the student and the common names, botanical names, systematic arrangement of stem, leaf, flower, and fruit as well as the variations in their parts is practically shown to the students. Besides, the classification and categorization of the plant is also explained to the students. The technique of recalling the botanical names of the plant is taught to the students.

In addition, the students are called once in a month during each academic year to play their role in cleaning the college campus. For this purpose, the groups of 5 to 10 students are made and distributed in the different parts of college campus like, botanical garden, administrative buildings, sports complex, parking area, and classroom buildings. The work is allotted to the students in the form of removing the weeds, collecting the garbage, plastic and scrap spread over the campus. At the end of this activity, the students are guided and made aware about the value of cleanliness in their life.

The plan conservation practice is implemented by calling the students at botanical garden. Initially, the demonstration of planting the saplings is given to the students, followed by actual performance of the students. In this practice, the students are allowed to perform garden techniques such as soil digging, addition of fertilizer and soil followed by plantation of sapling of environmentally important plants and watering. Some students are also trained to prepare the saplings by nursery techniques.

5. Evidence of success:

The arrangement of campus visit to understand the floral diversity of the campus found helpful for the student to remind the common and botanical names of the plants growing at the campus. As well as students were found successful to tell the medicinal, ornamental and economical importance of the plants. Most of the students have shared their experience of cleanliness carried out at the campus as well some of the students continued this practice even at their home and the places where they have visited. Some of the students coming from city area experienced this for the first time.

During this practice the sharing of experiences and dialogues of the students from agriculture background with the students coming from non-agricultural background was observed. Through this practice, students are made experienced and aware about the painful efforts taking by their parents for their education. In addition, the success of the practice was counted by appreciation from the other students of the college as well as from teachers and higher authorities of the institution. Some of the students followed the practice of plant conservation by plantation and cultivating the economically important plants at their home and farm. It has been observed that, the hidden boundaries between different category of students have been removed unknowingly due to the interaction happened between the students. The students found motivated, responsible and enlightened at the end of this activity.

6. Problems encountered and resources required:

Problems encountered during the implementation of this practice for the student was time-constraint because of the daily hectic schedule of the class and practicals. There was inadequacy of the infrastructure or the equipments required for the students to work out the cleanliness and plantation practice. One of the serious problems encountered while implementing this activity was, the serious issue about health problem and working stamina of the students at the field level. The students coming from agricultural background are able to cope up such situation of hard work, however, the students coming from non-agriculture background or city area are found weak to carry out such practices. Disinterest among few students was also encountered which was handled by mixing them with the efficient groups of the students.

The resources required to carry out such best practices at the institutional level needs sufficient infrastructure and equipments. There should be provision for special time and special task force to inculcate such value education among the students. The students should be motivated by organizing such events and activities in different nearby areas of the institution such as nursery, play-parks, gardens, etc.