

BEST PRACTICE
Academic Session: 2020-2021

Best Practice 1

1. Title:

Establishment of ‘Students Club’

2. Objective:

Promoting co-curricular activities and nurture the creativity of students.

3. The Context

To keep the students up-to-date along with the rapidly changing knowledge system. Ensure their all-round development while adhering to the socio-cultural values in the growing competitive world.

4. The Practice

The students’ club namely – Debate, Drama, Arts and Drawing, Literary, Electronic, Dance, Photography, Mathematics, Sports (Indoor/Outdoor), Music, Creative Writing Quiz has been initiated by the college. The primary objective behind the formation of different clubs is to encourage and enhance students’ participation in the co-curricular activities and the teaching-learning process. For the smooth functioning of the club, the college has developed policy. Accordingly, each students’ club is headed by a faculty member of the college. In the beginning of the academic session, the students are asked to apply for membership in the clubs as per their interests. The number of students/members in each club varies from one club to another. Accordingly, the in-charge of club plan different activities/competition during the session. Moreover, some of the club like – Debate, Drama, etc. organize workshop by inviting resource persons to improve the performance of the students in the respective fields. Practice classes/interactive sessions are held as per the stipulated routine followed in the college. The club membership is free of cost and teachers offer voluntarily service.

5. Evidence of Success

The students’ clubs have been successfully run by the college since it was introduced. It has attracted the newly admitted students and the number of enrolled students in various courses has increased considerably. The students enthusiastically participate the workshop, programme organized by the clubs. Apart from that, the activities of the clubs have also been appreciated by different stakeholders of the college and other institutions as well.

6. Resources

The infrastructure available in the college is used for interactive session/practice classes. No course fee is collected from the students for the functioning and activities of the clubs. The faculty in-charges offer voluntary service.

Best Practice 2

1. Title:

Literature review: The basic tool for starting a research project.

2. Objective:

Prior to undertake a research project, it is necessary to learn the total scientific background of the problem. This includes the scientific, essentiality economic viability, environmental sustainability and the laboratory infrastructure. Moreover, the literature on a particular topic also suggests the history and advancement of that topic and also suggests the scopes. Thus, all the students always go through an extensive literature study before undertaking their projects and accordingly carry out the works.

3. The context:

- In the context of research, literature review is one of the important tools to start a project work. To start a chemistry project work variable parameter such as idea of chemicals, viable reactions, economically efficient or not, eco-friendly reaction, green chemistry environmental aspects, advantages and disadvantages etc.
- Current updates of the research work is possible to know only through literature review i.e. how much of the work has been progressed on a particular topic in worldwide is understandable via literature review.

4. The Practice:

Keeping in mind what are the necessary tools to accumulate the knowledge on the latest advancement of different scientific researches, this institution subscribed sufficient number of scientific magazines, journals and news bulletins. These include some monthly and quarterly issues. In the recent days, the internet source is proven to be most potential tool for carrying out prompt literature search. This is why B.N. College has been subscribing to get access to the database of the websites like, INFLIBNET CENTRE (Information and library network centre, an inter university centre of the University Grants Commission, India under the Ministry of Education, India), Science Direct, Indian Journal of Chemistry and Royal Society of Chemistry etc. The students routinely visit the library where they make use the existing facilities to get access to the database to carry out their literature survey.

5. Constraints:

- A few of the students do not have android mobile handset/laptop/computer to access as they are from economically challenged sections of the society.
- It is very difficult for a college to effort the subscription of the costly scientific journals, books, magazines, news bulletins etc.

6. Evidence of Success:

The justification of literature survey reflects from the fact that the students have successfully completed their project works based on the literature study has helped the students to undertake such excellent works under the existing insufficient infrastructural facilities.

7. Problems Encountered and Resources Required:

Although, a good number of scientific magazines and websites have been subscribed, the students frequently encounter difficulties in systematically searching literature on a particular scientific topic. As the existing websites and tools do not allow to search a research topic by reactant or product names, and author, so it necessitates the procurement of advanced search tools like *Scifinder*, *Web of Science* etc.