

Best Practice-I

Title of the Practice: “Popularization of Basic Science among Rural High School Students”

Objectives:

To propagate scientific temper and basic science avenues among rural high school students.

- Create experiential learning by hands-on experiments.
- Application of basic science concepts in day today life.
- To relate learning of science to the environmental consciousness.
- To develop intellectual and professional competence

The Context:

This practice is aimed at creating science awareness, classroom science teaching and practical exposures among the rural high school students. In high school education and later on, basic science education is an important subject in which science and its applications can be brought to student's attention to make them more aware of such subjects and hopefully encourage them to choose basic science related subjects and studies later on in their future career.

The ultimate aim of this practice is to enable the rural students to take up learning in basic science. Further, this would create a generation of scientist and professionals who are proficient in the field of science.

The Practice:

For popularization of basic science in rural villages “Basic Science Popularization Cell” has been established in our college to organise the programme. This cell includes subjects' experts from various departments. This cell identifies the target beneficiaries, prepares plan of action and monitors the execution of set plan.

The expert teachers of our college interact with the students to arise the interest and curiosity in basic science subject through presentation, experimental demonstration, and use of models, charts, video clips with a live interaction session. This practice helps in encouraging the rural students to choose the basic science in the respective fields in higher education studies.

This is in tune with the national policies of higher education.

Evidence of Success:

As per the objectives of this best practice, the team of expert faculty visited rural high schools and were able to achieve the following set targets:

- Students are motivated to prepare and exhibit science models in regional and state level science exhibitions.
- Enhanced creativity and learning in basic science
- Improvement in examination performance in science subjects
- Enhancement in environmental consciousness
- Increase the student's enrolment for the basic science subjects in higher education programmes.

Problems encountered and resources required:

- Difficulty in getting permission from school administration.
- Need to have mobile laboratory
- Due to time constraint it is difficult to conduct programs during the regular college hours by the expert teachers of our college.
- Interrupted power supply in rural area during the experimental demonstration and presentation.

Best Practice – II**Title of the Practice: “P. C. Jabin Science College Staff Sponsored Scholarship”****Objectives:**

- To provide financial assistance to the poor and meritorious students
- Inspire/Instigate the academic performance of the students
- Increase the intellectual competence of the students
- Encourage and support the students for competition

The Context:

This practice attempts to identify the meritorious and poor students in each class. It helps the economically backward students to continue their studies. The main purpose of this scholarship is to enable the meritorious and needy students to enhance their academic performance

The Practice:

The PCJ college staff sponsored scholarship is provided to reduce the financial burden of the poor and meritorious students. The selection committee conscious of senior faculty of the college to identify the beneficiaries. The applications of applied students are scrutinized and the eligible students are interviewed by the committee.

Evidence of Success:

- The beneficiaries have enhanced their performance in their exams
- The students participated and presented papers in various seminars and conferences
- It improved the student-teacher-parent relationship
- It enhanced the creativity and learning of the students

Problems encountered and resources required:

- Due to increased number of needy students it was difficult to select for the scholarship
- The amount contributed by the faculty was not sufficient to meet out all the needy students