Best Practice: 2018-2019

Best Practice 1

Title of the Practice: Programme for Guidance students to crack Joint Admission test for Masters (JAM)

1. Objectives of the Practice: Joint Admission test for Masters (JAM) is a common admission test conducted every year for admission into Master of Science (M.Sc.) and other post-graduate science programs at Indian Institutes of Technology (IITs), Indian Institute of Science (IISc) and National Institutes of Technology(NITs), organized by alternating institutes every year. Clearing a Competitive exam will help a person to enter into his Dream College or institution or to pursue his dream job. This section will help students to get some vital information about those exams.

2. The aim of the study was to:
- create studious and healthy atmosphere regarding competitive examination.
- motivate the students for prospective career in Joint Admission test for Masters (JAM).
- develop competency and positive approach towards examination among the students.

To guide student intensively for entrance examination.

3. **The context:** Examinations are conducted to evaluate a person of his knowledge or ability. There are different types of examinations like qualifying or competitive exams. Qualifying exams are conducted to evaluate certain kind of knowledge or skills; they are decided as per the course. After completing a particular course or during the course these exams are conducted. Here the number of students is limited. Competitive exams are conducted either to qualify a candidate for a particular course or to give entry into the institution. Competitive exams are also conducted for selecting a person for a job.

Importance: Passing entrance examinations is very important for getting a chance to higher studies. This practice can groom students for these entrance exams.

4. The Practice:

About JAM

JAM has been conducted since 2004. The 2021 edition has been organized by Indian Institute of Science.

Question Pattern

The exam is computer based for each respective subject namely mathematics, physics, chemistry, mathematical statistics, geology, biotechnology and economics. Biological science was removed in 2020 and economics introduced in 2021. The exam is three hours and is conducted only in English. It includes 60 questions, as follows: 30 multiple choice questions (MCQ), 10 multiple select questions (MSQ) and 20 numerical answer type (NAT) questions. Total marks are 100, 50 for MCQ, 20 for MSQ and 30 for NAT. Negative marks are given for mistakes in the MCQ part.

Training

In the year 2018-19, we have organized a regular weekly training for physics honors students for the preparation of JAM examination. Several model question paper was solved in the offline classes.

5. **Evidence of Success:** After the completion of the course the students appeared for the JAM exam and success rate was 10 %.

6. Problems Encountered and Resources Required:

The problems encountered are related to financial assistance to certain extent. The College provided financial support for these activities. Some of the faculty members voluntarily extended their support in partial portion. There is a need of special computer system with high speed internet/ Wi-Fi connectivity. Advanced competitive examination books, software and r-resources should be purchased every year. Time management is required for the Academic calendar & Timetable.

Best Practice 2

Title of the Practice: Resource sharing (Desktop, Computers)

1. Objectives of the Practice: The objective is minimal use of Desktops and Computers
2. The aim of the study was to: share resource of Computers, Desktops.
3. The context: Desktop computers purchased through a RUSA grant are being shared by the English, Computer Science and Electronics departments for running a Language Laboratory, and Computer Science and Electronics practicals and practical examinations as well.

Importance: This will create social bondings among the faculty members and inter departmental students also. This sharing will help to build mental health.

4. The Practice: The practices are being shared by the English, Computer Science and Electronics departments for running a Language Laboratory, and Computer Science and Electronics practicals and practical examinations as well.

5. Evidence of Success: 100 success rate.

6. Problems Encountered and Resources Required: Overlapping classes Lesser resource than requirement.