



LokmanyaTilakJankalyanShikshanSanstha's
PRIYADARSHINI J. L. COLLEGE OF ENGINEERING, NAGPUR
Accredited with Grade "A" by NAAC
846, New Nandanvan Layout, Nagpur – 440 009



Best Practices

Best Practices I

1. Title of the Practice: "Systematic Academic Monitoring of Students."
2. Goal: The goal of this practice is to identify academically slow learners and the reasons for their poor performance. After identification of the weakness appropriate remedial actions are taken to address the problems.
3. The Context: Since the college is situated in the heart of the city and is closely located to the railway station, bus depot, large number of students are from nearby areas. Most of these students have completed their higher secondary education from vernacular mediums and find it difficult to adapt to the English medium of instruction. Such students require guidance and counseling in order to adjust to their new environment. Lateral entry students find it difficult to cope with the academics since they are admitted late into the course. Hence they require additional coaching.
4. The Practice:
Well framed mechanism has been developed for identifying academically slow learners and the reasons for their poor performance. After identification of the weakness appropriate remedial actions are taken to address the problems.

Objectives of practice:

- ✓ To improve subject wise and overall result.
- ✓ To increase confidence level of students.
- ✓ To guide students regarding selection of questions based on difficulty level.
- ✓ To give special guidance to students to represent their knowledge with stipulated time period of university examination

Identification:

The academic monitoring of the students is done in a continuous and systematic manner and helps faculty members to identify students who are lagging in their academics.

Identifying academic base of Students on the basis of score of PCM and average marks of XII standard.

Conduct Class tests, Sessional examination with minimum 60% marks, if any one fails to score 60% marks then these students are identified as students who are at the risk of failure.

The college has a teacher guardian system whereby 15-20 students report to a teacher. Teacher guardian keep a record of the student's family background, past performance, results of unit tests and Sessional examination, and through the following strategies address the issue. The teacher guardian plays the role of a counselor and mentor for these students and interacts regularly with the students and parents to solve their problems.

Attendance Monitoring

Remedial Action:

The academic performances of these students are communicated with the parents and they are called for the discussion with class teacher and HOD.

- Extra assignments

- Extra remedial lectures

For the Students who fail to score 60% marks in class tests and sessional examination, retests are conducted till they meet desired output. (Teacher-Student-Parent) triangular communication during parent meet found very effective for improvement.

- Counseling by professional counselors

- One-to-one meeting with all subject faculty members

- Providing more easy notes to understand.

- Following types of difficulties are solved during remedial lectures.

- Basic concepts

- Steps of solved problems

- Unsolved numerical in previous university question papers.

- Guidance is also given to students to maximize marks, attempt more questions & time management.

After commencement of term, extra classes are conducted for lateral entry students, to help them cope with the academics in spite of being admitted late into the course.

5. Evidence of Success:

It has been observed that due to the systematic monitoring of the students their academic performance has shown improvement and they are performing better in university exams irrespective of their scoring in earlier examinations. Every year we have produced quite a few university toppers. College has always been one among the top five colleges of the university in terms of result. (Teacher-Student-Parent) triangular communication is unique selling point for the Institute. (online/offline etc..) Removes hesitation for sharing of problems by students as the system is transparent - Teacher guardian, Heads of department as well as Head of the

Institute. "By giving people power to share, we are making world more transparent"

6. Problems Encountered:

Following problems are faced implementing the practice

Time Constraint- to match with academic schedule of university, completion of syllabus and Systematic Academic Monitoring of Students is just like race on three legs.

Students are reluctant to utilize library resources

The quality of students coming to the college is mediocre and huge efforts are required to improve them.

Some student needs to be addressed to solve difficulties at different time.

Separate security arrangements needed to be done at the campus to allow day scholars.

Resources Required:

Working of extra hours by all human resources whenever required-at all level. Spacious hall with seating capacity of students if students number more in difficult to understand topics.

All teaching aids (black board, OHP & LCDs) are needed at location.

Notes, question papers, videos, model solutions, library.

7. Contact Details

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Best Practice II:

1. Title of the Practice: “Practical Exposure and 360° development of the students”

2. Goal: The goal of this practice is to give practical exposure to students and 360° development of the students.

3. The Context:

Due to the rapid upgrading of technology and demand for new products, globalization and a highly competitive market, students need to keep themselves abreast with the latest trends in the industry. In order to bridge this gap between academia and industry the students need to get practical exposure. Need of the hour is for academia to identify, understand and provide solutions for problems faced by the industry and to train the students to tackle the same. Hence it is vital to give relevant practical exposure to the students, so that they gain technical knowledge and enhance their confidence. Besides having a good academic record, students need to have good communication skills, soft skills and learning ability skills for 360° development.

4. The Practice:

PJLCE's main thrust is to witness the world of technology and management and to educate, enrich and empower today's youth. 360° development is demand of time, so, we are committed to transform the students into enlightened young professionals ready to face the challenges of society and Industry.

Practical Exposure and 360° development of the students.

Objectives of practice:

To prepare students practically competent to face the real world challenges.
To inculcate in students qualities like Commitment, Self-confidence and comradeship, Building of self esteem.

Methods:

Student forum plays a vital role. Student Forums of various departments organizes and celebrates different events which satisfies the need of socialization, self-assessment and self-identification. For the students of each department installation of student forum has been done to provide a platform for the students to enhance their technical as well as cultural skills. To raise the unseen talents of students every department organizes the various forum activities. Each year student forums are being installed in almost all the departments of our institute. Like „SPACE“ in Department of Civil Engineering, EXORDIUM in Electronics and Electronics and Telecommunication Engineering, SURGE in Electrical Engineering. CiT in Computer Science and Engineering Department. Several activities and

competitions such as poster competition, extempore, Self- Governance activity, quiz competition, flex competition, Visit to Orphanage, workshop on Robotics, paper presentation, employability enhancement training programmes, modal making, techno-quest, techni- darshan and many more are organized. Students participate in all these activities with great zeal and vigor.

Guest lectures/Workshops: The life experiences of eminent personalities can be an effective textbook for young learners. Youngsters look up to their elders and emulate their experience. These interactions enable them to appreciate different dimensions of facing modern day challenges and to be the future change makers. P JLCE Institute renders important teaching-learning interactive platforms to students by organizing Guest Lectures/Workshops where they learn from eminent personalities.

Industrial visits and Tours are arranged for students to get an insight into the industrial environment. To give the final year students a practical approach and to build on their technical skills and knowledge every year our institute organizes Industrial Tours.

NSS and Sports activities :

Under National Service Scheme, P JLCE organizes various activities like Shramadan, Tree Plantation, Blood donation Camp and cleanliness campaign. Our student volunteers and representatives show their concern and interest towards this social causes. The college encourages the students to participate in various indoor and outdoor games

Participation in Technical activities :

Students are motivated to participate in project competitions, National/International conferences/Workshops and seminars. They are encouraged to share their ideas with the outside world by presenting their work in National/International conferences and Journals. The training and placement cell conducts aptitude tests to prepare students to face job Interviews.

5. Evidence of Success:

Students avail platform given to them near about 70 to 75% students of institute participated in various events which is clear shown by 5.3 criterion.

Our students (budding stars) have got laurels through their extraordinary talents at various levels.

Outstanding performance in intercollegiate events.

Increased ability to succeed as a team.

6. Problems Encountered:

For this there is a prime need of striking a balance between curriculum, books and also co-curricular activities beyond that.

Resources Required All infrastructural resources, Human resources, Financial resources.

7. Notes

The confidence of the students is boosted due to the co-curricular, extra-curricular activities and expert training and corrective measures taken by the Institute. There is recognition and appreciation by the Industry and students, and they are actively participating in all such Programmes. Due to the impact of above practice, noticeable positive changes and improved student performance has been observed.

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