7.2.1 Best Practice – 1

1. Title of the Practice: Emphasis on Practical Skills

2. Objectives of the Practice:

a. Learning by doing

b. To make the students fit in the real world

c. Productive use of theoretical knowledge

d. Students can develop and apply their skills in real working conditions without facing much trouble

The underlying principles of this practice are to strengthen and support students' knowledge by providing them practical environment where they can learn really that helps their career. The concept of emphasis on practical skills is to produce potential and skilled workers to the institutions or companies or to the organizations there by to build a strong nation with skilled people

3. The Context:

In the 21st century world, due to the increasing demand for job, people believe that practical skills are far more important than the knowledge of the subject. Practical skills are nothing but the skills which we learn to perform non-written task. Most of the students are good at their theoretical knowledge but they are lacking with the practical knowledge. Keeping this in view, Our College focuses more on imparting practical skills to the students. For instance, college conducts classes on programming skills, communications skills, writing skills, and soft skills. This skill based education can make the transition between academic to work environment and life easy. It not only boosts student's employment prospects but also the confidence level among students to meet in real life challenges. Technology and industry needs change more rapidly. Specializations are many and inter-disciplinary needs are growing. Sri Vasavi Institute of Engineering & Technology has significantly recognized the needs and introducing various programmes like workshops, internships, guest lectures etc. to impart practical skills to the students.

4. The Practice:

Our country is one among the countries which produces highest numbers of engineering graduates every year. In one side it is a great precursor of development on the other side it is a huge drawback to the country because there are no employment opportunities to all engineering graduates. Most of the students are not offered jobs due to lack of practical skills which are needed in the corporate world because practical skills are direct need of the industries or the corporate sector. As per the records a few students are acquiring the practical skills during their studies. All over the country most of engineering students give priority to certificate than to enhance their skills. Sri Vasavi Institute of Engineering & Technology is among those few colleges which provide all facilities to the students' development. An environment is maintained where all the students can get practical skills. College creates innumerable opportunities to the students to acquire practical skills because it believes assessing practical skills is very important to build the career of the students. In order to bring change in the skill levels of the students various programs were conducted like competitions, workshops, presentations and organizes guest lectures to make the students familiar with the working principles of the corporate world. College arranges training classes with on campus and off campus faculty to enhance practical skills of the students. Sometimes students are also involved in research activities and projects to sharpen their skills and get exposure with the work. Sri Vasavi Institute of Engineering & Technology strives to send students to industries to know what practically they have to do after completion of their graduation. College conducts number of motivation classes to the student to encourage them to focus on their practical skills along with the theoretical knowledge. It has introduced additional experiments to the number recommended by University in all laboratories. Students are encouraged to do experiments in laboratories which are beyond the syllabus. To improve the skills of students, the management has provided 1:1 systems in computer labs, 1:3 equipment in electronics labs. Students are allowed to do additional experiments even after the college hours or whenever they are free. Mere curriculum knowledge does not prepare a student to the real word. Enhancing skills, attitudes and personality are additional ingredients for a student to succeed. Sri Vasavi Institute of Engineering & Technology consists of Microsoft Innovation Centre and our students are elected as Microsoft student partners and Microsoft Student Associates.

5. Evidence of success:

The following are some of the evidences of this practice.

The pass percentage of lab related theory courses has been increased.

Increase in the number of students placements in various companies when compared to the previous years of recruitment. For example in Mechanical Engineering for lab related theory subjects, the increase in pass percentage of various subjects are given as follows. The pass percentage in the year 2020-21 compared to 2019-20 is increased for subjects MOS,TD, MCMT, TE-II and CAD/CAM by 18%,25%,41%,26% and 7% respectively.

Best Practice – 2

1. Title: Accountability and Monitoring System

2. Objectives: The vision of Monitoring is seeing if student is doing what he/she would do or done in a systematic approach to overseeing planning, learning, and teaching. This is part of the evaluation that ensures that information is gathered so that judgments can be made and questions answered accordingly. Evaluating, on the other hand, is the measure of success. This is done after there is a comparison between outcomes, aims, and objectives. This eventually leads to a summative assessment of current practices within the college, then informs on the future planning for both learning and teaching. Monitoring system helps in providing a consolidated source of information showing the progress of the college.

3. Contest: The College has started Monitoring System in July 2009.This system is conceptualized to raise the student discipline, accountability, planning and performance. It also helps in providing a consolidated source of information showing the progress of the school. It shows the mistakes and creates paths for both learning and improving. Effective monitoring system can best be achieved through record keeping and proper reporting systems, to find out whether a student is attending the classes regularly or not and he/she is being spent according to plan or not. This also helps in figuring out whether the teaching method in the school is delivering upto the desired educational results. The faculty can do an assessment of the behavior of the student to identify the areas where the student is failing. It is by that teachers can align their teaching skills accordingly to improve student performance.

4. Practice: The parent will get the message whenever the student is absent to the classes. The HoD will call the parents if any of the students are misbehaved. Student attendance and internal marks are posted to the parents after the completion of mid examinations. The mentor will monitor and evaluate the student performance in mid examinations. Students are monitored in the college in respective of their behavior.

Through monitoring and evaluation in college, good leadership and accountability into practice which leads to college improvement. Effective monitoring and evaluation can be achieved through record keeping and proper reporting systems, to find out whether the college resources are being spent according to plan or not. College management team will have better means to learn and improve from past experiences. Improvement in planning, and better allocation of resources can be done if they put the best monitoring and evaluation practices. Through this, the college can be accountable to the stakeholders. Monitoring and evaluation systems have enhanced the performance of both the teachers and the students. The college management and the teachers can access data that can be used to give guidelines on how to improve the performance of the students. Monitoring and evaluation help in future planning of the college. The college management plans on the areas to fill the gaps and appropriately balance between attained targets, and future assessment opportunities.

5. Evidence of Success : Focused efforts by faculty in truly embracing Monitoring system, happened through small innovations in the teaching learning process, innovations in assessment tools and ensuring that every student has the expected knowledge, skills and attitude. Faculty contribution towards successful implementation of Monitoring System reflected in enhanced student performance. Few parameters that are considered as evidence towards successful implementation of Monitoring system through faculty contribution are:

Attendance improvement

Performance

Behavior

Participation in curricular, co-curricular and extracurricular activities

The above evidence of improvement in student performance can be attributed purely to faculty contribution in effective implementation of Monitoring System. This effective implementation of Monitoring and Evaluation system, leading to improved student accountability and performance through faculty contribution eventually resulted in no record of misbehavior of the students

6. Problems Encountered and Resources Required: The College is located in rural area and most of the students are hailing from villages. Hence lot of time is taken to enhance their communication and technical skills. Through monitoring in college, good leadership is put into practice and accountability which leads to college improvement. Effective monitoring can best be achieved through record keeping and proper reporting systems, to help find out whether the college resources are being spent according to plan or not. This also helps in figuring out whether the teaching method in the college is delivering to the desired educational results.

Principal