BEST PRACTICE - 1

Creating a Student Centred Learning Environment

The Context:

Students succeed when what they're learning matters to them. In student-centered learning, students' interest drives education. Student-centered learning gives students the opportunity to decide two things: what material they learn and how they learn it

Objectives:

To provide the opportunity to students with various teaching methods like Participative learning through group discussions, demonstrations, fieldwork, project work, industrial visits etc.,

ICT also plays an important role in the learning process of the students. It also facilitates participation of students when they are not in classrooms through online modes.

Practice:

The learning process can be improved by using methods where students' participation becomes very important. The following participative methods are used in the institute to strengthen the learning process. These methods are also included as a part of curriculum and assessment to draw the students into participative learning mode.

1. Assignments: The university has prescribed into the curriculum a continuous evaluation process through assignments. The syllabus of each paper is divided into four units and the faculties are required to give one assignment from each unit. This component is added into the internal evaluation. To solve the assignments the students are required to used library and e-resources available. If the student is found copying the assignment, they are asked to redo the assignment again.
2. Classroom Discussion: Apart from teaching in classroom, faculty members use different methods to involve the students in the learning process. Inspiring students to ask questions, drawing students into group discussion, problem solving on black board by students, demonstrations like conducting live interviews, displaying models, presentation by students.
3. Feedback on learning: Many faculty members use this method to evaluate the learning process of the student by taking feedback on learning and modifying the teaching methods or the teaching pace based on the feedback received.
4. Collaborating with Colleagues: Many curriculums like project work, summer training, lab work are such that the students have to collaborate in a group of three or four. These methods of learning require the students to work in a group and thereby develop their ability to make a team. Students also lead the team and develop the leadership quality.

Obstacles faced:

Various challenges as listed below are faced when implementing student centred learning environment.

1. Reluctance of students to participate
2. Absenteeism in classroom
3. Late submissions
4. Reluctance of faculties to use ICT

Impact of the practice:

Following impacts are observed and the institute is still putting efforts to internalize the practice.

1. Improve student regularity
2. Motivate the students for self study
3. Motivate the students to find different learning resource
4. Learning through ICT by students
5. Learning "Spirit of team work" and inculcating leadership qualities

About the Institution

i. Name of the Institution : Narmada College of Science and Commerce
ii. Year of Accreditation : 2016
iii. Address : Shuklatirth Road, Zadeshwar, Bharuch
iv. Grade awarded by NAAC : A
v. E-Mail : principal@narmadacollege.ac.in
vi. Contact person for further details : Shri Jayesh P Gandhi
vii. Website : www.narmadacollege.ac.in

BEST PRACTICE - 2

Use of ICT in Teaching Learning and Evaluation

The Context:

With the availability of Low-cost high-speed internet and Mobiles the use of Information Communication Technologies has increased a lot. Students now own their personal mobiles and use it for learning, keeping notes, filling various google forms for data collection, giving online quiz etc…

Objectives:

Increase the use of ICT for in the campus at various levels. The vision is that the communication with all the stake holders of the institute should be by online mode.

Practice:

The staff members of the college started finding different tools useful for teaching learning and evaluations and started using them. Social media platforms are used by teachers to communicate e-resources to the students. The class rooms of the college are equipped by computers and LCD projectors so that the faculty members can use power point presentations, online e-resource etc. the power point presentations are shared with the students for their learning purpose. Many teachers started using Google Classroom and other such platforms for planning and executing the curriculum delivery. The Google forms were used extensively by the faculty members to collect student information regarding participation in programs etc. Google forms were also used to take quiz exams at the end of each unit for continuous evaluation. Some of the staff members have hosted short tutorial videos on their YouTube channel. The Electronics Department as a part of curriculum have a generic elective course where students use the Computer Simulation for various experiments. The physics department also demonstrates experiments through simulation. Some of the departments had a practice of online submission of assignments and the reports of summer and winter training through G-Mail.

Challenges:

A lot of challenges and hitches were experienced during the implementation of the ICT based teaching and learning. The most common and apparent thing was the reluctance of acceptance of the new format of teaching and learning. Some of the faculty have still been a slow learner in this field. Continuous counselling and training on one-to-one basis was required to implement the technology. Many teachers showed a keen interest in learning these technologies and as a result could start using ICT faster. The second challenge was the technology itself in terms of device quality, interned speed etc.

Impact of the Practice:

It is very much necessary to keep pace with the changing trends in the technologies and upgrading our knowledge to use the technology. As a result of use of the new teaching and learning technology communications between the students and teachers have improved. The technology promotes amongst the students the deep sense of bonding with their teachers where they can communicate online with their subject mentors any time.

Resources Required:

A good quality of IT infrastructure is required for the implementation of the new technology. Fast internet connection with a good amount data limit is the primary requirement of this technology. The Government of India has started the National Mission on Technology Enhanced Learning (NMEICT) and under this scheme the Government has provided the institute 10 connections of Internet to be used for the benefit of the students. The college management has used a budget of Rs 3.25 Lac for purchase of new computers.

About the Institution

i.   Name of the Institution : Narmada College of Science and Commerce

ii.   Year of Accreditation : 2016

iii.   Address : Shuklatirth Road, Zadeshwar, Bharuch

iv.   Grade awarded by NAAC : A

v.   E-Mail : principal@narmadacollege.ac.in

vi.   Contact person for further details : Shri Jayesh P Gandhi

vii.   Website : www.narmadacollege.ac.in