(2018-19)

7.2 Best Practice

7.2.1 Describe at least two institutional best practices.

Best Practice – I

Title of the Practice:

Industry - Institution Interaction

Objectives of the Practice

- An ongoing interaction between the Industry and Institute is an essential one. To strengthen the relationship between industry and our institute, which provides an excellent platform for both the students as well as the faculty members to be aware of industry expectations from the graduates.

- To explore and identify common avenues of interaction with industry
- To Establish Centre of Excellence by Industry/ Corporate to Provide Real Time exposure on Technologies
- To promote various research activities by the faculty members and students.

The context

- To give industrial exposure to Faculty members and students, thus enabling them to tune their knowledge to cope with the industrial culture
- To organize Workshop on trending technologies by experts in the field
- To assist the Departments in organizing workshops, conferences and symposia with joint participation of the industries
- Encouraging Engineers from industries to visit institution to deliver lectures
- To organize industrial visits for Faculty members and students

The Practice

- Visits of faculty to industry for study and discussions or delivering lectures on subjects of mutual interest.
- Memoranda of Understanding between the Institute and industries to bring the two sides emotionally and strategically closer.
- Visiting faculty/professors from industries.
- Practical training of students in industries
- Memorandum of Understanding between the institute and industries to bring the two sides emotionally and strategically closer

Evidence for success

The students are encouraged towards the internships during summer vacation. The final year students are encouraged to do their final projects in the related industry i.e construction or production. Industry and alumni are considered as one of the stake holders and one of the members in the board of studies. This helps in the refinement of the syllabi according to the needs of the society and latest technological developments. Alumni meets are conducted regularly to bridge interaction with alumni employees in different industries. This helps in the updating the students according to the requirements of the industry. The institute signs MOUs with industries which helps in knowledge transfer for industry readiness. Technical students are taken to field trips and industrial toursto create exposure on field requirements, steps in the manufacturing process anddifferent stages involved for the product

output. Management students are encouraged in industrial visits where they are educated in different managerial skills.

Best Practice 2

Title of practice

Integration of Information and Communication Technology (ICT) resources into Classroom teaching

Introduction:

The Information and Communication Technology to be precise has become a driving force behind economic growth and a developmental tool as well.

ICT is an extended term for Information technology which is a technological source to make information available at the right time, right place in the right form to the right user. Earlier, one had to wait for the newspapers to get the information across the world. Now with the smarter technology, informationcan be accessed from anywhere using smart phones and gadgets. All this is made possible with the help of Information and Communication Technology. Information technology has been influencing our lives in the recent years in the fields of education, healthcare, and business. Going an extra mile, Information and communication technology in Institution has had a major impact.

Characteristics that make ICT in education a prominent communicationtool:

➢ It offers the wide variety of services.
➢ It is reliable and provides interactive learning experiences.
➢ It is flexible and provides comfortable learning.
➢ It motivates students to learn.
➢ It facilitates communication and promotes creativity.
➢ It also provides access to the digital library where information can beretrieved and stored beyond textbooks.

Aims and Objectives of ICT implementation in education:

1. To implement the principle of life-long learning / education.
2. To increase a variety of educational services and medium / method.
3. To develop a system of collecting and disseminating educationalinformation.
4. To promote technology literacy of all citizens, especially for students
5. To promote the culture of learning at institution (development of learning skills, expansion of optional education, open source of education,etc.)
6. To support Institution in sharing experience and information with others.

The Context

In this technological era, ICT in education has compelled many higher education institutions to get accustomed to smart technology. This communication software uses

computers, the internet, and multimedia as the medium of communication which helps the students for an advanced learningby using the specific instructional strategies and techniques. CT Encourages participatory learning and student centric learning wherein the mode, technique/method and the pace of learning are decided by the students. Some of the instructional strategies of ICT are mentioned here under:

Pratice -Computer-based learning:

Activity:

ICT facilities are adequately available in the institution for academic purposes. There are well equipped computer laboratories in the institution. Thedepartments have their own computer facilities along with printers. Apart from computer facilities in the departments, Digital library facility is also there. Computers having internet connection facilities. Campus networking is with Fiber Optic cables. Classrooms are equipped with visual aids to cater to the needs of the students.

Evidence of Success:

- Improved access to education, e.g. distance learning and on-line tutorials.

- New ways of learning, e.g. interactive multi-media and virtual reality.

- New job opportunities, e.g. flexible and mobile working, virtual offices and jobs in the communications industry.

Problems encountered and resources required:

One significant problem student are faced with is disconnectivity (connectivity may be missed out) to the concept during the session, if they are not attentive. Another problem is, students can't ask doubts while programme is running as it was a pre-recorded video lecture. At the same

time slow- learners can't grasp the teaching method to the desired level of understanding. There are lot of problems like server errors and connectivity problem which take oodles

Conclusion:

The use of ICT in education adds value to teaching and learning, by enhancing the effectiveness of learning. It added a dimension to learning that was not previously available. After the inception of ICT in Institution, students found learning in a technology-enhanced environment more stimulating than in a traditional classroom environment.