

Best Practices of the Institute

Best Practice 1

1	Title of the Practice	Integrating ICT in Teaching Learning Process for better Academic Standards
2	Goal	<p>Broadly ICT tools help to open up opportunities for learning by enabling four major key processes in transforming teaching and learning as follows:</p> <p>Access ideas and information from diverse sources through searching, locating, selecting, and authenticating material in a wide range of multimedia forms;</p> <p>Extend ideas and information through processing, manipulating, analyzing & publishing material in different multimedia forms;</p> <p>Transform ideas and information into new or different forms through synthesizing, modeling, simulating and creating material in many multimedia styles and formats; and</p> <p>Share ideas and information across local, national and international networks by interacting electronically with others in actual and/or delayed time.</p> <p>Access, extend, transform and share represent key processes by which students learn and become independent learners and self-starters. Through the processes learners express their creativity and imagination. These processes can be applied in all areas of learning</p>
3	The Context	During the last three decades, the changes in educational environment have been phenomenal. The model, focus,

		<p>role of the learner and technology has been changed drastically from traditional instruction to virtual learning environment. Shifting the emphasis from teaching to learning can create a more interactive and engaging learning environment for teachers and learners. This new environment also involves a change in roles of both teachers and learners. The role of the teachers will change from knowledge transmitter to that of facilitator, knowledge navigator and sometime as co-learner. The new role of teachers demands a new way of thinking and understanding of the new vision of learning process. Learners will have more responsibilities of their own learning as they seek out, find, synthesize, and share their knowledge with others. ICT provides powerful tools to support the shift from teacher centred to learner centred paradigm and new roles of teacher, learner, curricula and new media.</p>
4	The Practice	<p>To make the practice effective following steps were followed</p> <ul style="list-style-type: none"> • Identification of skill gaps and the required set of skills for the students, taking into consideration the revised curriculum and need of the employability market. • Motivation to use student centric ICT enabled teaching. • ICT based Teaching Learning. • Planning the required human and physical resources. • Organization of training programme for faculty • Making the infrastructure ready. • Quality check for ICT teaching. • Up gradation of ICT teaching and infrastructure required for the same. • Getting feedback from students, parents and employers. • Flip class room, NPTEL, MOOC videos, etc
5	Evidence of success	<p>The integration of ICT with teaching and learning has produced some of the significant positive gains in learners' knowledge, skills and attitudes by providing the following key advantages: Explore and represent information dynamically and in many forms</p> <ul style="list-style-type: none"> • Become socially aware and more confident

		<ul style="list-style-type: none"> • Increase motivation • Communicate effectively about complex processes • Develop better understanding and broader view of processes and systems • Greater problem solving and critical thinking skills.
6	Problems Encountered and Resources Required	<ul style="list-style-type: none"> • Advance training for preparation and use of ICT is needed. • Some students are unable to use e learning material prepared by faculty due to lack of proper resources
7	Notes	Provides better Employability.

Best Practice 2

1	Title of the Practice	Creation of Awareness among Faculty and students about their social responsibility.
2	Goal	To develop ethical and moral values among Faculty and students. To create harmony and peace among the Faculties and students and non-technical staff. To develop emotional quotient and spiritual quotient along with intelligent quotient. To imbibe education among the Faculties and students for the development of the society and community.
3	The Context	To develop society, the institute has decided to create engineers having social, ethical and moral values. The need of the society today is to develop budding engineers having research mindset, ethical values and entrepreneurship skill. The young generation is very volatile and it is the necessary to bring awareness among them regarding their social responsibilities.
4	The Practice	Institute conducts the program on National Service Scheme to understand the social responsibilities. Institute understands the importance of learning the life skills & organizes co-curricular, cultural programs, tours, and

		visits, conferences to develop interpersonal skill, decision making and values clarification. Free distribution of motivational books to school students. Institute arranges spiritual lectures on different idolized thoughts
5	Evidence of success	By organizing blood donation camp, tree plantation, swachhta abhiyan, etc., community activity is promoted in the neighborhood of the institution. NSS activities also give the social ethical awareness among students. Stress management lectures will be helpful to students and staff for relieving stress and maintain peace.
6	Problems Encountered and Resources Required	Going to the villages and convinced them that the institute is working for their betterment is a herculean task. More budget provision needs to be made for carrying out social work.