BEST PRACTICES

Title: KIT-Kalaingarkarunanidhi Institute of Technology Enterprise Resource Planning (ERP)

Objectives:
To maintain regular academic activity efficiently.
To ensure availability of data to the stake holders.
To monitor the student progress in every semester.
To reduce paper work and improve ease and efficiency in processing the data.
To provide transparency of the data and the activities

The Context:

Digital transformation refers to the use of digital technology to better serve the stake holders. Managing the activities of the institution in a technology-enabled way will ensure effective functioning of the institution. Electronic data management provides ready and relevant information to stake holders for decision making. For any educational institute, academic activity is the major decision making component and proper maintenance & process of this data leads to success of the institute. In this direction, the college has a well-established system to standardize and automate various processes across all the departments to ensure availability and transparency of data.

The Practice:

KIT-Kalaingarkarunanidhi Institute of Technology ERP streamlines the regular academic activity of the institution. Authenticated users have access to the system and authorized users are permitted to enter/modify the data. KIT provides information to all levels of administration/management for decision making.

Activities supported:
- Student's personal information and academic history is maintained ERP
- Faculty member, after each class, enters the attendance in the portal. If the student is absent for any class on that day, will be notified to the parent by the mentors on the same day through telecalling.
- Class in-charge prepares monthly attendance using attendance consolidation and sends as message to parents. For continuous absenteeism the parents may be called to meet the concerned HoDs for explanation.
- Continuous Internal Marks (CIA) will be informed to parents. Final marks will be prepared based on the weightages given to three CIA tests, attendance and assignments.
- Reports of poor performers and irregular students are available to HoDs and they counsel those students and intimate to their parents, if required.
- Lesson Plan showing what is taught in each class is available through ERP. Proper delivery of courses can be ensured and teachers can be counseled regarding the course delivery.
- Attendance, marks reports, lesson plan, lists are available for printing.
- Daily and monthly biometric reports for the faculty and staffs are available.

Evidence of Success:

- Transparency of data and activities provided.
- Efficient monitoring of regular academic activity of the institute.
- Right information at right time is available to right persons.
- Satisfaction of the stake holders regarding availability and efficiency.
- ERP manages entire academic activity efficiently and generates instant reports.

BEST PRACTICE-2

Title: Digital Learning by Students and Staff

Digital learning is any type of learning that is accompanied by technology or by instructional practice which makes effective use of technology. Digital learning enhances the learning experience rather than replacing traditional methods altogether.

Objectives are:

- To make learning with no restrictions of time, place, path and pace.
- To make students as self-directed learners.
- To gain knowledge of the latest trends and technologies.
- To learn concepts from faculty of prestigious institutions to become globally competent.
- To do research work in the thrusted areas.

The Context:

Digital Learning is learning facilitated by technology that gives students some control over time, place, path or pace of learning. Digital learning strategies include online learning, blended learning, flipped learning, e-learning, mobile learning etc. or a combination of them. Digital learning is one of the crosscutting missions of the college. Students from different levels & backgrounds need training to improve their skills in addition to traditional classroom teaching. The college has been working with the aim of making it a centre of excellence. Considering these requirements, the institute encourages students and staff to do online/blended courses offered by various prestigious institutions.

The Practice:

Online Learning
Online learning enables students to learn anywhere, anytime and any subject using ICT. Students are motivated to do NPTEL online courses with the help of video lessons and web content in addition to their regular classes to improve learning and in turn to enhance their skills. The faculty members are also encouraged to do online courses to improve teaching-learning process. NPTEL local chapter monitors the entire process.

Blended Learning
Blended learning combines face-to-face interactions with online activities. KIT is one of the few technical institutes in Tamil Nadu to act as Remote Centre RCID:1470 to IIT Bombay and conducts MOOC courses and FDPs. Participating teachers attend live lectures, tutorial and lab sessions at remote centre.

E-learning
E-Learning is a learning system based on formalized teaching with the help of electronic resources. E-learning is used for training staff and students. The institute organized training programs like C, C++, Python, Java, Data Structure etc. for all students of all branches, as a part of skill development. Various other training programs are conducted to enhance technical skills of students and staff.

Evidence of Success:

- 76 students and one faculty member have received certificate.
- Rate of placements increased from 82% to 83 %.
- Four faculty members received class A award by IIT Bombay for task based training conducted through e-Yantra Lab Setup.
- Received prize money/vouchers in hackathons, topcoder challenges and in finding bugs in applications.