

Best Practice I

Practice

Tech Enabled Teaching and Learning for performance assessment of Individual students

Objective

To precisely observe the learning behaviour of each student to identify the strengths and weaknesses of individual student

Context

Each student's learning behaviour is different. They may fall into any one of Gardner's multiple intelligence models. Similarly the learning pace is also different for different students. It is essential to give individual attention to all the students during every learning activity by exposing them to exhaustive testing environment. This leads to have an elaborate assessment model with different segment of questions ranging from remembering skills to creating skills. In class strength of 60, if we frame 10 questions for each lecture session, we end up with 600 solutions which will be humanly impossible to assess on daily basis and identify the strengths and weaknesses. This leads to the dependency of any Artificial Intelligence driven platform to precisely assess the learning behaviour of individual student.

Activity

In our College we use an AI driven Ed-Tech Platform where each faculty member will frame at least 20 questions as per RBT norms for each lecture and upload in the platform to get at least 900 questions with 300 Higher Order Thinking questions to test their analysing, evaluating and creating skills. In the process of finding solutions for the framed HoT questions, students have to refer to many resources based on their learning interest. The platform will precisely record the learning behaviour of individual student through the way students take up the question and find the solution. This gives a clear picture about strength and weakness of individual student.

Proof of concept

The proposed best practice has produced an improved performance in following areas:

1. Increased Pass percentage in regular academics
2. Improved performance during placement activities
3. Quality of Project works are improved

Challenges encountered

Preparing the students to shift their learning style from conventional to tech driven was the biggest challenge. Initially we had a lot of apprehension from students but several orientation and brainstorming sessions helped us to make students understand the real purpose of this activity.

Requirement

Investment on purchasing a customizable third party Ed-tech platform and Faculty empowerment for maximum utilization of the features of the platform.

Best Practice II

Practice

Generating public visibility, curiosity and good will for the institution by conducting events open to the public free-of-charge

Objective

To trigger the support of the community in the institute's immediate vicinity as well as that of the Coimbatore district/nearby districts for enquiries and admissions of their wards/known contacts to the UG and PG programs offered by Kathir College of Engineering

To build brand equity and brand recall

Context

The institute needs to build public visibility and good will in the minds of the community in its immediate vicinity as well as in the extended region of Coimbatore district and nearby districts to sustain its economic viability and continued operations.

- The institute has to develop a public image by giving back to the community services which includes conducting events that are open to the public
- The institute's trustees are able to leverage the offices of government authorities to lend assistance and support to the institutions initiatives involving the public

Activity

The institute has organized events that are open to the public free-of-charge namely – a state-level job fair, public exhibitions, offered its facilities of seminar halls, classrooms, auditorium for conducting competitions for school children and reached out to and arranged transport free-of-charge, refreshments and lunch on week-ends for school students especially who are currently attending secondary school education to visit its laboratories, interact with faculty members to inform their decision-making about their higher education

The hosting of public events free-of-charge (state-level job fair, public exhibitions) acknowledges the need of the institute for direct or indirect support of its immediate community and the public at large

The institute encountered the challenge of carrying out the open-to-public events entirely with the assistance and support of its staff by motivating them to take advantage of the occasion to engage with the public, government authorities and perform their role in contributing to societal responsibilities

Proof of concept

The events were well organized and were well attended by the public. Among the many such events organized by the institute the state-level job fair enabled freshers, experienced candidates to find suitable employment

These events have built good will, brand equity involving positive brand association and recall for the institution.

The results indicate that initiatives involving the community and public support are well received and that they deserve to be provided periodically to sustain the good will and engagement already built and to be of mutual benefit.

Challenges Encountered and Resources Required

The public events need the full assistance and support of the institute's staff as engaging any external event manager will entail charging an entry fee for the public which will turn the nature of the event to a commercial exercise.

The events need to be scheduled in a manner where the entire physical infrastructure, systems of the institute will be entirely available for the event.

The institute's management should continue to leverage the good offices of the trustees to be involved in initiatives undertaken by governmental and non-governmental authorities for the long term benefit of the college.