

Best Practices of KITS 2018-19

Best Practice 1

1. Title of the Practice

Transforming Outcomes Through Active Learning (TOTAL)

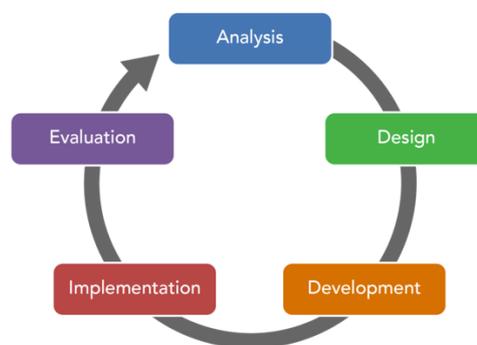
2. Objectives of the Practice

- Beginning with a clear picture of what is important for students to be able to do, and then organizing curriculum, instruction, and assessment to ensure that learning ultimately happens.
- Instructional activities are designed and conducted to facilitate students to acquire what they are anticipated to achieve.
- Assessment are designed in alignment with what students are ordained to learn.
- In a nutshell, learner-centric approach to tertiary education.

3. The Context

All the teachers of the institute were trained on the preparation and implementation of this model. Karunya Competency Development centre (KCDC) which is a centralized centre was used to train the teaching and non-teaching members of the institution for successful implementation of this model. The centre has so far conducted 50+ training for both teaching and non-teaching members of the university.

A model called ADDIE model was used to train the faculty members. The ADDIE model as shown in the figure below has five stages namely Analysis, Design, Development, Implementation and Evaluation.



4. The Practice

In our effort to strengthen teaching learning process, there has been a paradigm shift from teacher centered to student centered classrooms in which teachers act as Guide on the side and not Sage on the Stage. The University has a well-structured Teaching plan format with the following components:

- **Course Outcome:**
The teaching plan for every course outlines the course outcomes reminding the faculty about the expected outcomes to be attained at the end of the semester.
- **Detailed Teaching Method:**
A comprehensive teaching plan listing the teaching methods to be adopted is given by the faculty along with book references. Faculty members are trained and encouraged to follow interactive and students-oriented methods of teaching such as Jigsaw method, Gallery walk, Flipped classrooms, Project based learning, Design thinking, Gamification, Problem based learning and so on. All the classrooms of our institute are equipped with ICT facilities to enable faculty members to employ various tools in teaching.

- **Concept Mapping**

A concept map is a method used to visually arrange information. It is hierarchical and shows relationships among different units of the whole. It is often created around a single concept and the ideas generated are connected directly to the central concept. All courses are represented using a single concept map to understand the correlation between different modules of the Course. It also gives a 'drone view' of the Course to both faculty and students.

- **Course Articulation Matrix**

As the institute's emphasis is on Outcome-Based Education (OBE), this component has been included in every teaching plan. It is a detailed matrix that gives the relationship between the course outcomes of the course with the department Program Outcomes (PO) and Program Specific Outcomes (PSO). The tables have four types of correlation for mapping the course to the PO's and PSO's. They include 3 for high correlation, 2 for medium correlation, 1 for low correlation and '0' for no correlation. This matrix helps course teachers to understand the objective of the Course in achieving the overall PO and PSO of the department.

- **Assessment pattern**

This is an important component that gives the revised Bloom's level of assessment followed for every Course in Internal Assessments, Qualitative Assessments and for End-semester examination. The Courses taught in lower semesters will have their assessment level a little low but the subjects taught in the higher semesters should be assessed with the higher-order thinking level of the students.

5. Evidence of Success

We have received the QS I-Gauge E-Lead (E-Learning excellence for Academic Digitization) award from QS on 22nd October 2020 after a thorough verification and validation process certifying the preparedness of our institution in effectively conducting teaching and learning.



6. Problems Encountered and Resources Required

The only problem we encountered was to train the faculty members but we were very successful in doing the same.

7. Notes (Optional)

Evaluation Process 1:

In order to ensure quality, the teaching plan is vetted in three levels before it is approved and shared with the students. Level 1: Vetting by subject experts within the Department, Level 2: Vetting by IQAC, Level 3: Vetting by Academic and Industry experts from renowned and national level institutes.

Evaluation Process 2:

All course teachers will have to maintain a well-structured course file with the following components in it.

1. Teaching Plan
2. Report of Lecture topics taken from Eduserve, an inbuilt LMS
3. Question Paper of Internal 1 and Three answer papers of Test 1 (highest (31 to 40 Marks), lowest (11 to 20 Marks) and average (21 to 30 Marks) are enclosed.
4. Question Paper of Internal 2 and Three answer papers of Test 1 (highest (31 to 40 Marks), lowest (11 to 20 Marks) and average (21 to 30 Marks) are enclosed.
5. MCQ Question Paper of Internal Test 3.
6. Self-study report of the Internal marks (Form 3)
7. Distribution of marks for Quality Assessment (Form 4)
8. End Semester Question paper (final copy from CoE)
9. Detailed Internal marks and final CoE Statement (separately)
10. Self-study report of final grade (Form 5)
11. Innovations in teaching practices and quality assessment (Brief write up)
12. Course Articulation matrix with CO attainment calculation

A sample course file audit report has been given below.

Course File Audit Report									
Name of the Department : Electrical and Electronics Engineering					School : Engineering and Technology				
Name and Address of the Auditor : Prof. Sanjeeb Mohanty, Associate Professor, NIT – Rourkela									
Date of Audit : 13.7.2020									
Name of the Faculty	Subject Code	Course Name	Quality of Teaching Plan and availability of Class Handled Report	Quality of IA1, IA2 & IA3 Question papers and the quality of evaluation of answer scripts	Standard of Quality Assessments given to the students	Attainment of Course Outcomes	Innovative Teaching Practices (write-up provided by faculty)	Report on Online Students Feedback on Teaching from Eduserve (Office Automation)	Total Marks
			10 marks	10 marks	10 marks	10 marks	5 marks	5 marks	50
Dr. V. Evelyn Brindha	19EC1003	Basic Principles of Electrical and Electronics Engineering	9	9	9	9	5	5	46

Best Practice 2

1. Title of the Practice: MEGAPLAY

The event is named as Megaplay which is one of a kind in Karunya. It generally takes place in the month of December. The specialty is that around 500 students gather together to make this event possible. There is no other event in this University that has such a massive participation by students.

2. Objective of the Practice

The objective of Megaplay is to unite students and also inculcate various attributes. Such as, leadership, team management, musical skills, acting, and dancing. Students under faculty supervision begin practices. The intention is to achieve the best performances this can be attained only by a stream of never-ending practice sessions. These practice sessions are systemically organized and take place simultaneously. The play, choir, musicians, choreographers, and the volunteers all have their designated areas to work in. This helps the students to learn virtues of responsibility, promptness and also dedication. Megaplay is based on the Institutions Christian principles but never discriminates others religious sentiments. With all of this said the main intention is to get students to work together and achieve perfection by fulfilling each of their respective responsibilities.

3. The Context

Planning the Megaplay has its set of challenges. Managing over 500 students is not easy. At the same time coordinating various practices is round the clock is quite challenging. Girls are required to enter their hostel premises latest by 7.30pm and therefore this takes a toll and the practices by leaving few performances with incomplete practice and hence builds more pressure on the team. Catering whether the students have had their food is also another issue since the hostel mess closes by 8.30pm and many students work late at night. The planning committee faces challenges of arranging props on time. Conducting auditions and finding the suitable person to play a specific role is perplexing. This often becomes strenuous and takes a lot of time. A frequent struggle is the delayed delivery of costumes which creates confusion in the midst of the practices, Coordinators therefore continuously run around making phone calls to ensure on time delivery. Participants also miss certain amount of their academics as they are engrossed in practices.

4. The Practice

The practices of all respective performances take place in different locations around the campus. The choir practices separately for a week. The musicians also follow the same. Three days before the event both musicians and the choir practice together. The drama sessions are coordinated by students. Each fulfil their role and ensure perfection is achieved. Making of the props is also a complex procedure. Numerous teams of artist, painters and craft workers get together to build these props and enhance the quality of the play. Most of the practices wind up by 7pm yet some practice further till 12am. During the practices especially in the choir and choreography's cultural music is added in to cater to the diverse and rich culture of our great nation. Karunya duly notes and feels that it is necessary for its students to experience the culture of India. Furthermore, the choir performs songs in the following languages; English, Hindi, Malayalam, Telegu and Tamil. This stands as a unique example of how Karunya brings out cultural significance in today's Indian education system.

5. Evidence of Success

Hard work always results in success and nothing is more rewarding than being content. All the sessions of practices, planning and management efforts all drain down to a successful event. Karunya is the only institution that conducts such an event. The quality of equipment used is professional and all is concurred to set a benchmark. All performance teams are given deadlines. Heeding to these the students remarkably pursue their work and have never failed. The team of coordinators and faculty in charge ensure that instructions are executed and procedures are not lagging. This therefore results in fruitful outputs and also indicates that students have put in their heart and soul to make this event a success. The choir is given one week to master the songs. Likewise, the musicians strive to arrange the music and add beauty to the melodious voices of the choir. The deadline was met and the choir and the band did a fantabulous job. For the drama a script needs to be drafted first. This work starts weeks before the Megaplay because it has its own challenges and also goes through a lot of editing. A committee comprised of students is formed to form a script. The specialty of the play is that it is divided into three stages. Almost two months prior to the event the script committee sits and conducts brainstorming sessions to find an ideal storyline. Under faculty supervision the script is finalized and then begins the next phase, 'Auditioning'. The auditions are also well handled and therefore, suitable characters were found in time and the practices begin. All the drama main characters gave in their best efforts and displayed a phenomenal performance on the final day. All these challenges won display the undeniable fact that Karunya strives to inculcate leadership in its students to benefit society once they step out into the world.

6. Problems Encountered and Resources Required

Megaplay being an important event requires professional sound engineers, graphic designers to ensure high quality dramatic effects. Ordering costumes for the choir, actors and dancers with more than 100 participants is a great task. Transport is another resource which constantly runs back and forth carrying students and equipment's from one corner of the campus to another as Karunya has a huge campus and it always ensures the safety of its students.

7. Notes

Megaplay is an event where hidden talents get revealed. Students who have desired to showcase their talents in acting, music, singing, coordinating, and volunteering use this opportunity to bloom and learn at the same time. For any other institution out there, who would like to host such an event should really invest in the co-curricular life of students. Giving them unlimited opportunities to grow. The institution needs to be flexible in terms of academics as students are involved in practices and will eventually miss their classes. Therefore, Karunya issues an On-Duty leave for all the participants. There has to be an expert committee looking into finance, planning, event organizing, media recording, and various other coordinating teams. These are the pillars that ensure a smooth execution of administrative decisions and also look into proper student discipline. Staying creative is a must and the Megaplay not only includes drama but has musical performances and choreographies. All these engulf the various genres of music and target all the cultural requirements keeping the students entertained all through the program. If these areas are brought to perspective in any Institution it is possible to host such an event. That entirely benefits the students and enhances the quality of an Institution setting a benchmark.