

## **1.Title of the Practice:**

**Facilitating e-content development for strengthening ICT enabled teaching learning practices in the Institution.**

### **1. Objectives of the practice:**

The COVID pandemic mandated the Institutions across the world to adapt to online teaching. Also, blended T-L method is already known to enhance student engagement and deep learning. Hence it was decided to strengthen the existing e-content resources with following objectives:

- Ensure academic training irrespective of pandemic/any reason that keeps students off campus.
- Make teachers undergo training on use of various synchronous methods and blended learning.
- Innovation and creativity in developing e-content by using multimedia and other resources.
- Make the learning more students centric by developing relevant e-content.

### **2. The Context:**

ICT enabled T-L practice is a very powerful tool of education. These methods of instruction became more helpful and were regularly practiced during pandemic. Further there is evidence that blended learning and flipped classroom concepts help in meaningful engagement of students. The class time can be appropriately used for problem solving, discussions/understanding difficult concepts thereby fostering learning. The COVID pandemic gave us opportunity to develop relevant e content and strengthen the available e-content resources. Our experience in the past while we implemented blended learning had shown that ICT can offer great opportunities for creating, storing, disseminating and communicating to students.

### **3. The Practice:**

- Along with educational units of all constituent colleges, University Department of Education for Health Professions and IQAC conducted meetings to chalk out online mode of academic activities and explained various platforms available.

- The excellent infrastructure available like lecture theater's, Imparatus software and recording studio's enhanced the process
- All constituent colleges were able to carry on routine teaching by using online mode with help of e-contents that were developed.
- Case scenarios are also developed to enhance chair side/ bed side case based learning
- Laboratory techniques were being video graphed so that the techniques can be emphasized after the student rejoin the colleges

#### **4. Evidence of success:**

- Entire faculty of KAHER are now trained in e-content development
- 92% teachers are trained in technology-based teaching and are capable of developing and delivering e-contents successfully.
- Keeping in mind the paradigm shift, KAHER has developed ample of e-learning resources. COVID 19 pandemic gave enough opportunities for the teachers and students to use these resources to facilitate teaching learning activities.
- E-content developed by the faculty is hosted on institutional website, LMS. This has helped the students to utilize and develop a broad range of competences and skills.
- Competencies are identified, lesson plans are prepared in all programs.
- study material in the form of recorded lectures, power point presentations, graphics, illustrations were shared.
- The recourses are also hosted on college website, YouTube channels and social media platforms.
- Feedback from students is obtained regarding online teaching and blended mode of teaching.
- Students are appreciative of the blended mode of teaching.

#### **5. Problems encountered Resources required:**

- Technical problems by students and staff.
- Lacks the face to face effectiveness of communication and interaction.
- To keep up the discipline and motivation

- Need to accept the changing trends in education
- Digitalization posed challenges to teachers while using technology in a creative and productive way.
- Lack of essential services and tools such as technological equipment or learning support services.
- To preserve faculty and students' motivation, engagement and interest while online teaching goes on.

**Notes :**

- E-content can be designed, developed, used, reused and distributed. It is a popular mode of learning because of flexibility of time and place of learning.
- Because of vast volume of e-content recourses available, at KAHER we were able to manage academics even during the lockdown situations by early adoption to situation.

## **2. Title of the Practice**

### **Incorporation of Green Campus initiatives in the campus and in the curriculum.**

#### **1. Objectives of the Practice**

- To create awareness among students on importance of environment conservation
- To sustain and further improvise the eco-friendly campus
- To create awareness among community members outside campus.

#### **2. The Context**

Green Campus is an environment which improves energy efficiency, conserve resources and enhance environmental quality by educating the campus inmates and create healthy, living and learning environment. The Green campus of KLE Academy of higher education and research has two essential characteristics. It is environment friendly and has been practicing energy conservation and recycling measures effectively.

**Based on these our objective has been to:**

- Making the student of Health Science profession understand the importance of environment and involve them in conservation of environment
- Creating awareness among students by lectures, peer education and involving them in activities like plantation, seed ball preparation etc.
- Keeping Student's interest and implementation of EVS subject that was studied during school days.

### **3. The Practice**

- The NSS Unit of the University has 10 units that work under University NSS Unit and independently. Activities on environment awareness and preservation are carried out throughout the year by these.
- NSS unit has adopted 15 villages.
- Environment awareness programs for villagers and school children are carried out at these adopted villages along with follow up programs.
- Subject EVS is incorporated into the curriculum of undergraduate programs of the University.
- The marks obtained in this subject is incorporated into transcripts.
- Woman Empowerment cell of the University has been looking into waste segregation and disposal at campus and by residents of campus.
- Vermicomposting units are setup at places in the campus.
- Manure generated by organic waste recycling is enough for 100 acres land of the campus.
- The audited herbal garden of pharmacy colleges and that of Ayurveda has more than 5000 species.
- Campus has water recycling plants of 2.25MLD that saves 7.5 lakhs L/day water.
- Restricted entry of automobiles, signages on saving water, ban on plastic etc at multiple places in the campus have been instilling awareness on green campus initiatives among the students and staff.
- Renewable Energy is the maximum source of energy for the campus

#### **4. Evidence of Success**

- Planted saplings within the campus and outside the campus in adopted villages,
- 40000 seed balls have been prepared and sowed in barren areas of Belagavi.
- 100% survival of saplings in the campus
- 82% survival of saplings in the adopted villages
- Created awareness on rain water harvesting among students and also implemented the plant within the campus. Students have installed bird water feeder and food feeder.
- Every year NSS units and the volunteers are being recognized by State awards at different categories since 2014 to date.
- The campus was awarded 4<sup>th</sup> and 3<sup>rd</sup> cleanest campus in the country by MHRD in 2017 and 2018 respectively.
- The campus was awarded with certificate of excellence in pursuit of 'excellence towards practicing sustainable Education in 2021. It was ranked no 14 across India in the green Institutional rankings 2021 in Platinum band of Sustainable Institutions of India.

#### **5. Problems Encountered and Resources Required**

- Keeping the interest of students going.
- Getting required fruit saplings from forest department.
- Getting permission from horticulture and forest departments for issuing free saplings.
- Involving the students as they are scared of shortage of attendance. Indirectly getting permission from different departments of each college for relieving students.
- Coordinating with panchayat and school faculty to conduct awareness programs.
- Villagers have their own concept of environment, use of water, plantation, use of toilets. Similarly, panchayat has its own dos and don'ts.
- For construction of community toilets PDO did not give permission saying already village is declared open defecation free village, but there were no toilets. Coordinating with panchayat and villagers was a challenge. This challenge was taken and later discussed with ZP CEO and Swachh Bharat Abhiyan unit. They have helped us to fill individual level toilet constructions.

**6. Notes:**

The campus of KLE Academy of higher Education and Research employs healthy and efficient practices that account for sustainable living when designing and operating their buildings with adequate lung space. Most of the facilities have natural lighting the campus has good air quality, reduced energy and water use. These attributes foster more welcoming academic environment that result in campus that is a better places to live and learn.