

## **BEST PRACTICE: I**

### **MODULE PREPARATION ADDIE MODEL**

#### **Title of the practice:**

Module Preparation as per ADDIE Model.

#### **Objectives of the practice:**

- To provide an experience for developing various activities.
- To help realize the importance of student-centered learning.
- Encourages the trainees to involve themselves in ICT to create activities.
- To enhance creativity among trainees.
- To motivate trainees to update the subject knowledge in order to induce self-learning among students.

#### **Context:**

Develop higher order cognitive abilities. Understand real-world application of the concepts. Cognize how to make the students more engaged in the classroom. Identify the suitable methodologies for teaching the particular concept. Provide a systematic way to structure the concepts and related information. Those who are efficient in them alone can be good at the teaching profession. By giving proper training in these ICT preparation and utilization in their day to day teaching process, they emerge competent for the Gen Z learners.

#### **The practice:**

Module preparation is one of the practicum components for II-year B.Ed. trainees of Sri Sarada College of Education. It has three phases.

- i. Pre-active Phase
- ii. Inter-active Phase
- iii. Post-active Phase

**Pre-active Phase:** Before the teaching practice, orientation was given to students on modules, their types, importance, and steps in ADDIE Model. Students were asked to prepare sample modules for both majors and optionals according to the ADDIE Model.

**Inter-active Phase:** During the teaching practice, trainees executed the modules made during the Pre-active phase. In this phase, trainees got suggestions and guidance from their respective teacher educators for the proper execution.

**Post-active Phase:** It is the evaluation phase. Here the students were asked to submit the records. This provided a base for improving the teaching and changing strategies of teaching.

**Outcomes:**

At the end of the module preparation, the student teachers were able to

- Understand real-world application of the concepts.
- Develop higher order cognitive abilities.
- Identify the strategies to make the students more engaged in the classroom.
- Identify suitable methodologies for teaching the particular concept and
- provide a systematic way to structure the concepts and related information.

All student teachers prepared the modules as per generic ADDIE Model. This shall enable them to become efficient in module preparation.

**Obstacles faced:**

Interaction phase is very important. During this phase, lack of

- i. Deep content knowledge
- ii. Divergent thinking
- iii. Updating of knowledge, and
- iv. Knowledge in choosing suitable activities for the content affected the effectiveness of teaching through these modules.

These obstacles were rectified by brainstorming. The trainees were provided proper guidance by their guide teacher educators and the subject teachers in the institution.

**Impact:**

- Clarity acquisition in the subject knowledge.
- The student teachers experienced the real classroom situation.
- Improving creativity, by incorporating the appropriate activities for a particular content through various modes of activities like games, quiz, discussion and videos.
- Realizing the benefits of activity-based learning.
- Preparing the steps in module preparation for the selected content.

## **BEST PRACTICE - II**

### **SUSTAINABLE GREEN CAMPUS**

#### **Title of the practice:**

Sustainable Green Campus.

#### **Objectives of the Practice:**

- To create awareness among student teachers to prevent environmental pollution.
- To maintain plastic-free campus
- To increase green cover around campus by planting saplings and sowing seed balls and maintaining herbal gardens.
- To initiate cleanliness drives on campus.
- To follow proper waste management practices.
- To conserve energy by all means.
- To adopt green practices to ensure an eco-friendly environment.
- To harvest rainwater and use it for groundwater table recharging.

#### **Context:**

Our country is committed to finding solutions for environmental degradation that challenged overall wellbeing and health. Environmental degradation caused by human activities put our life under threat. It is the need of the day for everyone to consciously work towards protecting the earth from the pollution that has created an adverse effect on climate and biodiversity. Educational institutions have a due responsibility to work on sustainable principles through implementing green initiatives on and off campus thereby preventing environmental degradation. This practice facilitates students' a conducive learning environment. In this context, our institution took the effort to keep our campus clean and green by adopting sustainable environmental measures. To ensure this, policies were drafted regarding energy conservation, waste management, water conservation, and green campus. As our college is located in the heart of the city, we exhibit green management by adopting green practices which consequently function as a lung space for the city.

## **The Practice:**

### **Sustainable campus measures**

Our institution has adopted several environmentally responsible practices to impose a sustainable environment on our campus such as using solar energy, wisely managing solid wastes and e-wastes, water conservation by rainwater harvesting, and instigating clean drives in and off-campus in an effective manner. Swatch committee functions effectively to make awareness among trainees on 'Reduce and Replace plastic' by conducting competitions and seminars. We celebrate World Environment Day as one of the practices to attain coveted green status around the campus. Posters related to alternatives for one-time use and throw-away plastic items are stuck on the bulletin board placed at the main entrance to make staff and students sensitized to using environmentally friendly articles for daily use. Various competitions, rally, and exhibitions are conducted by the swatch committee to make students be aware of preventing the use of plastics. On protecting small habitations such as birds and squirrels, we provide nests on trees for their happy life.

### **Herbal Garden**

Herbal garden is established and maintained by eco-club in our college that is believed to be stress reducers, helping inward off diseases, keeping our mind sharp and happy. Herbal garden is nurtured by planting medicinal herbs such as Alovera, curry leaves, basil, lemon grass, peppermint, thyme, oregano, camphor, Hibiscus rosa-sinensis, rose mary, purple basil, sweet basil etc. Before planting herbal plants, well-composted organic manure obtained from the Vermicompost plant of our college is applied to support the growth of plants. At the same time, organic pesticides prepared by eco-club is being used for herbal garden. Herbal tea which consists antioxidants is regularly prepared and served to staff and students to improve their metabolism to fight against infections and diseases.

### **Seed balls plantation**

Our students display environmental consciousness by planting saplings and sowing seed balls to increase green cover around our campus. Different varieties of herbal seeds were planted during the last six years. The present status of a clean and green campus is the outcome of our effort in implementing sustainable environment measures.

## **Energy conservation**

Using the electric power received from the power grid unit is cost effective, we installed solar panels and some of the lights are replaced with energy-efficient LED bulbs. We also have proposals on demanding additional solar panels from the government. Our students are instructed to switch off lights, fans, digital board, Mic in the classrooms, labs, seminar hall when they are not in use. Staff and students are given orientation on keeping computers and laptops on 'power saving mode' when they are not working.

On insisting faculty members and students to avoid plastic usage, our campus is declared a 'plastic-free zone'. The Swatch committee conducted plastic-free campaign on 'Reduce and Replace plastic' nearby area of our college. To adopt a more sustainable, environmental-friendly lifestyle, we took serious actions to reduce paper use. As a result, we use papers that are printed on one side for rough work. Staff are using LMS, blogs, and e-mails to share reading materials with students and among staff for official communication. Students are also asked to submit their assignments online via LMS.

Three separate dust bins for disposal of biodegradable and non-biodegradable wastes are kept in the ground which instigates staff and students to practice the same in their homes too. The daily solid wastes collected from the hostel kitchen are wisely planned to prepare Vermicompost. On realizing the harmful effects of e-waste on the environment, we exchange the electronic items with local companies thereby curtailing e-waste on the campus.

We periodically repair water dripping taps and water-efficient taps to save water. The Swatch committee sensitized staff and students towards optimal usage of water on and off campus. Harvested rainwater collected from roof top of the building is used for groundwater table recharging and diverted to the herbal garden.

## **Evidence of Success:**

- The sustainable green ambience beautifies our campus.
- Herbal tea is prepared with herbal leaves reaped from our garden is served to staff and students which resulted in the prevention of dangerous infections like corona.
- Energy conservation initiatives help to save money on electric bills.
- Water conservation measures helped to maintain our green campus.
- Ban on Plastics adds extra beauty to our campus. Plastics that were previously used in our campus are replaced with wooden articles.
- Purchasing of paper in office is now reduced.
- Nurturing Herbal Garden by using Vermicompost prepared by the eco-club.
- A Sustainable clean and green campus facilitated an effective environment for learning.

**Problems Encountered:**

Nourishing herbal garden, however, maintained by eco-club, required additional manpower and attract personal attention.

**Resources Required:**

In order to meet a shortage of manpower, we need additional support on maintaining a green campus during holidays.