

## **Best Practices 2020-2021**

### **Best Practice I**

#### **1. Title of the Practice :“Coaching for UPSC/APSC/SSC & other Competitive Examinations”**

#### **2. Objectives of the Practice**

The objectives of this best practice are to create awareness among the youths to face the competitions in choosing their career opportunities. It also aims to provide guidance with quality training to the aspirants for appearing in competitive exams.

#### **3. The Context**

The present global society is marked by high competitions in all sectors where merit and skill based knowledge is given top most priority. So, the youth sections of society need to be motivated and guided to prepare themselves for appearing in different competitive examinations. Evidences says that out of total 117 aspirational districts of India as identified by NITI Ayog, Darrang district of Assam is also one of them due to its backwardness in educational and health sector. Mangaldai College as situated in the headquarter of the district tries to promote a good quality education for the students of Darrang district. In order to meet the academic demands of the students including the youth of Darrang and to make them capable of successfully compete in the competitive examinations Mangaldai College organized Coaching classes for UPSC/APSC/SSC and other competitive examinations in the session 2020-2021.

#### **4. The Practice**

The IQAC of Mangaldai College organised a Coaching for UPSC/APSC/SSC and other competitive examinations with District Administration Darrang, Assam from February 2021 to April 2021 in Mangaldai College premise. Total number of 138 aspirants from all over Darrang district joined in the coaching. Notable resource persons from district administration and academicians attended the classes and guided the aspirants.

#### **5. Evidence of Success**

Total number of 138 aspirants successfully completed the course. They expressed satisfaction over the contents included in the course and also the domain knowledge of the Resource Persons. The programme was successful as most of the students appeared in the APSC and SSC examinations. This has

motivated the participants and increased their self confidence to compete in the examinations.

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

Organizing a coaching course during Covid pandemic was a challenging task. It was however organized maintaining all the Covid protocols. Shortage of competent Resource person was felt due to the busy schedule of the bureaucrats during Covid period. Financial constrain was also there due to the lack of the sponsoring agency.

Resources required for continuing such course are qualified competent resource persons, sponsorship, bilingual guidance (both Assamese & English) etc.

### **1. Notes (Optional)**

The youths of Darrang district expressed their interest for attending such type of caching classes in the future. Accordingly the IQAC of Mangaldai College has formulated future plan for organizing such coaching course in every academic year. The college authority has taken initiatives to purchase guidebooks and reference books for different competitive examinations.

### **Best Practice II**

1. **Title of the Project:** Vermicomposting Practice in the Department of Botany.

2. **Objectives of the Practice:**

- Reducing the need for chemical fertilizers and reutilizing certain organic wastes produced in the college campus.
- To maintain an eco-friendly college campus and to utilize the produced vermicompost in college gardens.
- Generating awareness for entrepreneurship among the students by building small scale vermicompost units in their own places.
- Conducting demonstration classes and hands on training as a part of the skill enhancement courses among the students.

3. **The Context:**

Vermicompost is the eco-friendly manure produced by the activity of the earthworms, such as *Eisenia fetida* (Red worms) from a wide range of biodegradable wastes. It consists of various biologically active substances such as plant growth regulators, different microbes, huge amount of nitrogen, potassium, phosphorus and other essential elements for the better growth of plants.

#### **4. The Practice:**

The established vermicompost unit of the college comprises of a concrete tank having two chambers of 10 ft. length, three ft. breath and 2.5 ft. height, and a shade over the tank to protect the earthworms from the sunlight. Harvesting of vermicompost is done periodically in an interval of approximately three months duration and are used on the various plants of the college campus. The establishment has been used for the students of Botany 3<sup>rd</sup> semester students for their skill enhancement course (BOT-SE-3014).

#### **5. Evidence of Success:**

- Production of about 150 Kg vermicompost for this year.
- About 110 Kg of collected vermicompost were used on the various plants of the college campus.
- About 40 Kg of vermicompost were sold to faculty members of the college.
- Demonstration classes on vermicompost preparation were organised by Dept. of Botany for the students of SEC Botany of 3<sup>rd</sup> semester and 5<sup>th</sup> semester Botany Major time to time. Dr Manoj Kr. Chouhan, senior scientist and Ms. Banasmita Barman, SMS Agromet of KVK Darrang and Mr Dhruvajyoti Saikia of Agriculture Training Centre cum Production Unit, Mangaldai were invited as resource person.
- Preparation of vermicompost in the unit is practised by the students themselves through hands on practical classes.

#### **6. Problems Encountered and Resources Required:**

- Encountered difficulties to maintain the unit during Covid-19 period and summer vacations.
- Encountering problem to collect the raw materials and watering the vermi beds due to shortage of working staff.

#### **7. Notes:**

- In future, there are plans to increase the production of vermicompost by increasing the number of vermi beds, as it has tremendous academic and commercial scopes.
- Planning for organizing hands on training cum workshops for preparation of vermicompost for the students and farmers of nearby localities.
- Mushroom cultivation may be initiated in the college as one of the best practices which is relevant for vermicompost production as the materials used in mushroom cultivation can be reused for vermicompost production.

