

BEST PRACTICE-1

(NAAC format)

1. Title of The Practice

“STINGLESS HONEY BEE KEEPING”

2. Goals

A) Aims & Objectives

- ♣ To gain hands on experience in maintaining honey bees
- ♣ To promote self employment

B) Principles or Concepts

- ♣ Apart from theoretical knowledge on apiculture (rearing of honey bees), it is necessary for the students to gain practical knowledge also.

3. The Context

Bees are mainly reared for their honey which is a valuable nutrient rich food. Apart from honey other products like bee wax and propolis can be extracted on large scale operations. Bee sting is used for the treatment of arthritis, nerve pain (neuralgia) and multiple sclerosis (MS). Scientists at the Washington University School of Medicine in St. Louis found that **melittin, a toxin found in bee venom, physically destroys the HIV virus**, a breakthrough that could potentially lead to drugs that are immune to HIV resistance. Due to the bee sting, rearing needs skilled manpower. However, the availability of stingless honey bees made production of honey easy at small scale. In this context students can learn the bee keeping without any fear of sting.

4. The Practice

Stingless honey bee keeping KIT is procured from the Krishi Vignyan Kendram Undi, Bhimavaram. These are maintained in the college premises and timely monitored by the students. Also prior to the installation of the KITs interested students were given a demo class at the KVK extension.

Constraints & Limitations: Seasonal variations and availability of flowers.

5. Evidence of Success

- ♣ Students developed interest in learning apiculture.
- ♣ They are encouraged to maintain KITs in their homes.

6. Problems Encountered & Resources Required

- ♣ Initially students found it difficult to maintain the honey bees; however they coped up with time.

7. Notes

BEST PRACTICE-2

(NAAC format)

1. Title of The Practice

“INVERTEBRATE ANIMAL ALBUM PREPARATION”

2. Goals

C) Aims & Objectives

- ♣ To discover different invertebrates and learn about the characteristics of these animal groups and interesting facts.

D) Principles or Concepts

- ♣ ICT based activity to enhance their skill and knowledge.

3. The Context

Invertebrates are animals without a backbone or bony skeleton. They range in size from microscopic mites and almost invisible flies to giant squid with soccer-ball-size eyes. This is by far the largest group in the animal kingdom: 97 percent of all animals are invertebrates. So far, 1.25 million species have been described, most of which are insects, and there are millions more to be discovered. The total number of invertebrate species could be 5, 10, or even 30 million, compared to just 60,000 vertebrates. Animal album would help students to see the diverse species of invertebrates.

4. The Practice

Each student from I B.Z.C class is assigned to collect the pictures of at least two invertebrates. They are also instructed to write the important characters and interesting facts. The compiled data is made available as soft copy in the college website and a hard copy with the department. Every year the album is updated with new species.

Constraints & Limitations: NIL.

5. Evidence of Success

- ♣ Students are learning how to make a virtual album.
- ♣ They are encouraged to use the MS office effectively.
- ♣ Students from other streams are also interested to view the interesting facts of invertebrates.

6. Problems Encountered & Resources Required

NIL

7. Notes