

# **Report of Training Program on Apiculture**

**Organized by the Department of Zoology &Envt. Science in collaboration  
with the Multidisciplinary Training Centre, Khadi & Village Industries Commission,  
Govt. Of India. Dehradun,Uttarakhand  
for the students of B.Sc. Zoology, VI Semester**

**Conducted by:**Multidisciplinary Training Centre, Khadi & Village Industries Commission.

**Location:**Shahastradhara Road, Adhoiwala, Dehradun, Uttarakhand

**Duration:** 28<sup>th</sup> April 2025 to 2<sup>nd</sup> May 2025

**Program/Event Coordinator:**Dr. Veena Maurya, Assistant Professor, Department of Zoology &Envt. Science, SGRRU.

**Submitted to:**Head, Department of Zoology &Envt. Science, and Dean, SBAS, SGRR University.

**Submitted by:**Dr. Veena Maurya

**Date of Submission:**3<sup>rd</sup> May 2025

The **Apiculture (Beekeeping)** training program was organized by the Multidisciplinary Training Centre, Khadi & Village Industries Commission, to promote sustainable income generation through modern beekeeping practices. The program aimed to provide both conceptual knowledge and practical exposure to the students about apiculture as a supplementary or main source of livelihood.

The training was conducted over 5 days and covered the following aspects:

## **Day 1: Introduction to Apiculture**

- History and importance of beekeeping.
- Different species of honey bees in India.

## **Day 2: Biology of Honey Bees and Their Colony Structure**

- Roles of queen, workers, and drones.
- Bee behavior and life cycle.

## **Day 3: Apiary Management**

- Equipment used in beekeeping.
- Seasonal management practices.
- Hive inspection and record-keeping.

## **Day 4: Honey Extraction & Processing**

- Methods of honey extraction (manual and mechanical).
- Quality control, storage, and bottling.

- Wax and by-product management.

### **Day 5: Marketing and Government Schemes**

- Packaging, labeling, and value addition.
- Opportunities in local export markets.
- Government support schemes and subsidies for beekeepers.

### **Practical Sessions**

- Handling of bee colonies with protective gear.
- Demonstration of artificial queen rearing.
- Field visit to a model apiary unit.
- Hands-on training in honey extraction and filtering.

**TrainingOutcome:**The training program was highly informative and practically very significant. It helped the students to understand the scientific and commercial aspects of apiculture. Now they are more confident in starting/scalingbeekeeping units and contributing to pollination services, biodiversity, and rural income generation.

**Acknowledgment:**Department of Zoology&Env't., SBAS, SGRRU is highly thankfulto the Multidisciplinary Training Centre, Khadi & Village Industries Commission, Govt of India, the resource persons, and all the supporting staff for organizing this valuable training program.

### **Glimpses of the training program:**



Fig 1. Training Centre



Fig 2. Students withTrainer in the Lecture Hall



Fig 3. Honey Processing Unit Fig 4. Trainer demonstrating handling of Honey bees sp& their identification, etc.



after completion of training



Fig. 5. Student receiving Certificate Fig 6. Group photograph