



# SGT UNIVERSITY GURUGRAM

## FACULTY OF AGRICULTURAL SCIENCES (FASC)

Website: [sgtuniversity.ac.in](http://sgtuniversity.ac.in)

Ref: SGTU/FASC/2022-23/

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### **Report on Employability Skill Development Module: Commercial Beekeeping Program**

**Organized by:** Faculty of Agricultural Sciences

**Date:** 11Feb., 2023 to 31 May, 2023

**Time:** 09:00 AM to 4:00 PM

**Venue:** Agricultural Research Farm, SGT University

**Module Coordinator:** Dr. Meenakshi Devi, Ph.D. in Entomology, Assistant Professor

#### Introduction:

This report provides an overview and evaluation of the Employability Skill Development Module focused on Commercial Beekeeping, conducted by Dr. Meenakshi Devi, Ph.D. in Entomology, Assistant Professor in the Faculty of Agricultural Sciences at SGT University. The program aimed to equip participants with essential skills and knowledge required for a successful career in the commercial beekeeping industry. The program duration was 15 weeks, allowing for an in-depth exploration of various aspects of beekeeping. Total 36 students enrolled in the programme.

#### **Program Objectives:**

The key objectives of the Commercial Beekeeping Program were as follows:

- a) To provide participants with a comprehensive understanding of commercial beekeeping practices, emphasizing sustainable and ethical approaches.
- b) To enhance participants' practical skills in hive management, bee health management, honey production, and marketing.
- c) To develop participants' employability skills, including communication, teamwork, problem-solving, and entrepreneurial abilities.
- d) To foster an entrepreneurial mindset among participants to encourage self-employment opportunities in beekeeping.

#### **Program Details:**

The Commercial Beekeeping Program was designed as a 15-week course, encompassing a range of theoretical sessions, practical training, and hands-on experience in managing beehives. The program curriculum included the following key topics:

- a) Introduction to Beekeeping: Overview of beekeeping practices, bee species, hive construction, and equipment.

- b) Bee Biology and Behavior: Understanding the life cycle of bees, bee behavior, and the importance of pollination.
- c) Hive Management: Techniques for hive inspection, disease identification and prevention, honey extraction, and colony management.
- d) Honey Production and Processing: Harvesting, extracting, and processing honey, along with quality control measures.
- e) Marketing and Business Development: Strategies for branding, packaging, marketing, and distribution of bee products.
- f) Entrepreneurship and Business Planning: Guidance on starting and managing a beekeeping enterprise, financial aspects, and legal considerations.

### **Teaching Methodology:**

Dr. Meenakshi Devi employed various teaching methodologies to ensure effective learning outcomes during the 15-week program. These included:

- a) Lectures: Engaging lectures delivered by Dr. Meenakshi Devi provided theoretical knowledge on various aspects of beekeeping, supplemented with audiovisual aids and real-life examples.
- b) Practical Training: Participants received hands-on training in hive management, honey extraction, bee health management, and other essential skills under the guidance of Dr. Meenakshi Devi and experienced beekeeping professionals.
- c) Field Visits: Visits to commercial beekeeping facilities, apiaries, and honey processing units were organized to expose participants to real-world beekeeping operations and industry best practices.
- d) Case Studies and Group Discussions: Interactive sessions involving case studies and group discussions were conducted to encourage critical thinking, problem-solving, and decision-making skills.
- e) Workshops and Guest Lectures: Expert workshops and guest lectures were organized to provide participants with insights into emerging trends, industry challenges, and innovative approaches in commercial beekeeping.

### **Skill Development:**

The Employability Skill Development Module placed a strong emphasis on developing the following skills among participants:

- a) Technical Skills: Participants acquired practical skills in hive management, honey production, disease identification, pest control, and quality control measures, enabling them to carry out efficient and sustainable beekeeping practices.
- b) Communication Skills: Participants developed effective communication skills, both written and verbal, which are crucial for interacting with clients, customers, and stakeholders in the beekeeping industry.
- c) Teamwork and Collaboration: Group activities, practical training, and field visits fostered teamwork and collaboration among participants, simulating real-life scenarios in the beekeeping industry.

d) Problem-Solving and Decision-Making: Participants were exposed to challenging situations and encouraged to develop problem-solving and decision-making skills in hive management, bee health, and business operations.

e) Entrepreneurial Skills: The program aimed to cultivate an entrepreneurial mindset among participants, providing them with the knowledge and tools required to start and manage their own beekeeping enterprises.

### Program Evaluation:

The Commercial Beekeeping Program conducted by Dr. Meenakshi Devi was evaluated through participant surveys, feedback sessions, and assessments. The evaluation parameters included overall satisfaction, perceived skill development, program content, and the expertise of the facilitator. Participants expressed high levels of satisfaction and reported significant skill enhancement in both technical and employability domains.

### Conclusion:

The Employability Skill Development Module: Commercial Beekeeping Program, conducted by Dr. Meenakshi Devi, proved to be highly effective in equipping participants with the necessary skills and knowledge for a successful career in the commercial beekeeping industry. The 15-week program duration allowed for an in-depth exploration of various aspects of beekeeping, ensuring comprehensive learning outcomes. The positive feedback from participants highlights the program's success in imparting both technical and employability skills, positioning graduates for future employment or entrepreneurial opportunities in the beekeeping sector.



Pictures of different activities



Discussing About Bee Hive



Hand on training by expert

## Employability skill development Module: Commercial Beekeeping

List of students enrolled in Commercial Beekeeping

Sr. No.	Registration no.	Name of the students	Attendance
1.	191101003	Vidhi	P
2.	191101004	Rishita	P
3.	191101005	Jyoti Ranjan	P
4.	191101009	Rohit	P
5.	191101012	Parul	P
6.	191101015	Ch. Navneet	P
7.	191101016	Rudrani	P
8.	191101023	Deepankar	P
9.	191101025	Shalu	P
10.	191101026	Ruchi	P
11.	191101027	Chanchal	P
12.	191101030	Harshant	P
13.	191101034	Aiby Sam	P
14.	191101043	Pooja Kaushik	P
15.	191101048	Dagli Bangra	P
16.	191101051	Yash Tewatia	P
17.	191101052	Aaditya	P
18.	191101054	Harish	P
19.	191101057	Rahul	P
20.	191101058	Vishu	P
21.	191101059	Dinesh	P
22.	191101061	Shiva Ayush	P
23.	191101063	Ashwani	P

24.	191101064	Sunil	P
25.	191101066	Tripti	P
26.	191101068	Vipin	P
27.	191101069	Paramjeet	P
28.	191101072	Harsh Vashisth	P
29.	191101073	Ompal	P
30.	191101076	Nikesh	P
31.	191101078	Anuj	P
32.	191101082	Nikita	P
33.	191101089	Deepam	P
34.	191101090	Akshay	P
35.	191101092	Naman	P
36.	191101095	Nishu	P



Coordinator



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