

**Jayaraj Annapackiam College for Women (Autonomous),  
Periyakulam**



**PG and Research Centre of Zoology**

**START – UP PROGRAMME**

**APICULTURE**

**2022 - 2023**

## **Objectives**

- To acquire skill on bee keeping and aspire to be entrepreneurs.
- To create new employment opportunities.
- To assess the potential of apiculture as an alternative source of income generation through survey and field trials.

## **Name and Address of the Co-Ordinators**

1. Dr. Mrs. V. Jemima Florence Borgia,  
Assistant Professor in Zoology,  
Jayaraj Annapackiam College for Women (Autonomous),  
Periyakulam.
  
2. Dr. Sr. A. Irudaya Lourdu Gladis,  
Assistant Professor in Botany,  
Jayaraj Annapackiam College for Women (Autonomous),  
Periyakulam.

## **Outcome of the Start-up programme**

- Employment opportunities.
- Self - supporting programme.
- The revenue generated by the students can be utilized to support their studies.
- Earn while learn.
- Honey bees play a significant role in pollination thus increases the yield.
- Increases sustainable ecosystem.
- Production of honey and bee wax.

## Report of the Programme (2022 - 2023)

PG and Research Centre of Zoology started Apiculture as start - up programme during the academic year 2018 - 2019. The trained students have been regularly visited the Bee farm and maintain the bee hives.

**30.08.2022**

Training programme on “Handling Bee Hive” was organized on 30<sup>th</sup> August, 2022.

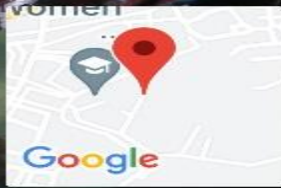
### Training Programme Report

In connection with World Entrepreneur’s Day, PG and Research Centre of Zoology start-up programme Apiculture and Institution’s Innovation Council (IIC) of Jayaraj Anapackium College for Women (Autonomous), Periyakulam organized a training programme on “Handling Bee Hive” on 30<sup>th</sup> August, 2022.

Dr. V. Jemima Florence Borgia, Assistant Professor in Zoology, Jayaraj Anapackium College for Women (Autonomous), Periyakulam was the resource person. She explained the kinds of honey bees, types of bees in the bee colony, structure of Newton bee hive, division of labour in the bee colony, bee keeping equipment and products of bee keeping.

She insisted the scope of bee keeping, budget and profit of bee keeping. She also gave training to the UG Zoology students to handle the bee hive. Forty students were benefited through this training programme.





**Thamaraiikulam, Tamil Nadu, India**  
4G4X+J8R, Thasildar Nagar, Thamaraiikulam, Tamil Nadu  
625605, India  
Lat 10.106479°  
Long 77.548019°  
30/08/22 02:58 PM

GPS Map Camera



**Thamaraiikulam, Tamil Nadu, India**  
4G4X+P39, Thasildar Nagar, Thamaraiikulam, Tamil Nadu  
625605, India  
Lat 10.106751°  
Long 77.547588°  
30/08/22 03:38 PM

GPS Map Camera



**Thamaraiikulam, Tamil Nadu, India**  
4G4W+JXX, Thasildar Nagar, Thamaraiikulam, Tamil Nadu  
625605, India  
Lat 10.106755°  
Long 77.547551°  
30/08/22 03:35 PM

GPS Map Camera

**21.10.2022**

The bee hives were maintained by the trained students. 500 grams of honey was collected and stored for sale on 21<sup>st</sup> October, 2022.

**04.02.2023**

Field trip to visit VIBIS Natural Bee Farm, Madurai was organized on 4<sup>th</sup> February, 2023

### **Field trip report**

PG and Research Centre of Zoology, Start Up Programme – Apiculture and Institution Innovation Council (IIC) of Jayaraj Annapackiam College for Women (Autonomous), Periyakulam organized a field trip to visit VIBIS Natural Bee Farm, Madurai on 4<sup>th</sup> February, 2023. Forty students and two staff members visited the incubation centre of VIBIS Natural Bee Farm, Madurai.

Dr. S. Josephine Arokia Mary, Entrepreneur, VIBIS Natural Bee Farm, Madurai gave a talk on “Bee Keeping”. She explained the scope of apiculture, kinds of honey bee, types of bees in the bee colony, activities of honey bee in the colony and products of bee keeping. She encouraged the students and also paved the way to become an entrepreneur. She trained the students to handle the bee live and gave demonstration on honey extraction. She explained the budget plans, for the success of bee keeping. 40 students were benefited through this training programme.





### 18.03.2023

PG and Research Centre of Zoology Start-Up Programme – Apiculture of Jayaraj Annapackiam College for Women (Autonomous), Periyakulam organized a training programme on “Handling Bee Hive” .at 2.00pm on 18<sup>th</sup> March, 2023. Dr. V. Jemima Florence Borgia, Assistant Professor in Zoology was the resource person. She explained the kinds of honey bee, activities of honey bee in the colony and extraction of honey from the bee hive. Twenty-five students were benefitted through this programme. and extracted 500 grams of honey from the bee hive on 18<sup>th</sup> March, 2023.



**Total budget breaks up**

Balance Amount	= Rs. 2530
Income from the Start – up Programme	
Apiculture during the year 2022 - 2023	= Rs. 600
Balance (Profit)	= Rs. 3130
Amount given to the needy students to	
pay the Tuition fee	= Rs. 1000
Seed money for 2023 – 2024	= Rs. 2130

*Amritha Florence Borjies*  
 Signature of the  
 Co-ordinator

**Signature of the  
 Co-ordinator**

*Anita Kannagi*  
 Signature of the  
 Dr. ANITA KANNAGI, M.Sc., M.Phil., Ph.D.,  
 Head of the Department  
 P.G. & Research Centre of Zoology  
 Jayaraj Annappackiam College for Women (A)  
 Periyakulam, Theni - 625 601.

**Signature of the  
 Head of the Department**

**Jayaraj Annapackiam College for Women (Autonomous), Periyakulam**

**PG and Research Centre of Zoology**

**Start Up Programme – Apiculture**

**Receipt**

**Date: 29.04.2023**

Received with thanks from the HoD of Zoology, a sum of Rs. 500 (Five hundred only) towards Start Up Programme – Apiculture, PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni District.

*M. Anitha*

Signature of the Beneficiary

**Jayaraj Annapackiam College for Women (Autonomous), Periyakulam**

**PG and Research Centre of Zoology**

**Start Up Programme – Apiculture**

**Receipt**

**Date: 29.04.2023**

Received with thanks from the HoD of Zoology, a sum of Rs. 500 (Five hundred only) towards Start Up Programme – Apiculture, PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Theni District.

*P. Gayathri*

Signature of the Beneficiary