



**NEHRU MEMORIAL COLLEGE**  
**(AUTONOMOUS)**  
**(ACCREDITED WITH "A" GRADE BY NAAC)**  
**Puthanampatti - 621 007**

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Date: 04.02.19

To

The Dean,  
Agricultural College & Research Institute,  
Tamil Nadu Agricultural University  
Madurai - 625 104,  
Tamil Nadu, India.

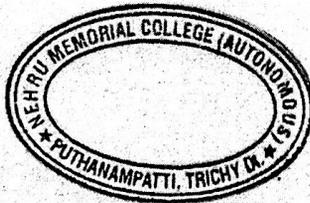
Sir,

Sub: Permission to Visit your apiculture and sericulture and fish farms - Reg.

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Three teaching and one non-teaching staff and 105 students of first and second B.Sc., Zoology students of our college would like to visit your sericulture, apiculture and fish farms on 08.02.19. I request you to permit them to visit your college and explain the techniques of the same to our staff and students.

Thanking you.



*(Signature)*  
PRINCIPAL

Nehru Memorial College  
(Autonomous)  
Puthanampatti - 621 007  
Tiruchirappalli District

## Field visit report:

Place of visit :

- ① Apiculture unit  
Vibis Honey farm  
Madurai,
- ② Antenna trust  
fish farm,  
Madurai.

The department of zoology organized a field visit. We I B.Sc zoology students, staff II B.Sc zoology students and staff members Dr. K. Saravanan sir, and Dr. G. Ravathi madam started to field visit at the time of 7.30 am from puthanampatti. We reached madurai around 11:30 am after completing the breakfast on the way.

We first went to vibis apiculture unit. Dr. Josphin Marty madam, director of ~~vibis~~ vibis honey farm gave an detailed lecture on apiculture. She said

People who were stung by bees get least chance of diabetes and blood pressure complaints. Also honey bees helped in increased size of fruits and also in increased crop yield in and around the farm by enhancing pollination. Thus, bees are very helpful in organic farming. Now, it is found that stinging of bees is used to treat diseases like rheumatism, joint pains. Nowadays China uses this particular treatment in apiculture.

4 bees die after stinging only the worker bee stings neither queen bee nor drones. A honey bee box contains three portions. The last portion contains bees. The second contains honey and wax and the first is a closing lid. In general bees are of three castes in a hive viz. a single queen bee, a few drones (male) and million of worker bees. Worker bees perform various functions such as collecting of nectar from flowers.

Saving them in hive, building hive, feeding larvae etc. These worker bees decide the upcoming queen bee under the following conditions either the queen bee is old or the queen bee is sick by feeding royal jelly for 5 days to the selected bee.

If a bee is given three days royal jelly. it becomes the worker and when it is feed royal jelly for 5 days it become to the selected bee.

if a bee is given three days royal jelly. it becomes the worker and when it is feed royal jelly 5 days it become the queen bee. Two queen bees won't survive in a single hive. Hence either the newly formed queen bee quit the group along with some worker bees or the older queen bee quit. A male bee died after mating. Mating occur in air worker bees.

seeing worker bees collecting nectar, stores it in the box along with its salivary. This is the so called honey. we use various products produces tulsi honey for the problem of cold, novel fruit honey for the treatment of diabetes. Further she demonstrated handling of honey box, collection of honey bee and stinging treatment. Many useful facts were known from that speech, we could get an idea of what is apiculture and how is it performed. We completed air lunch there.

After lunch we went to visit ornamental fish farm unit Antenna trust fish farm madurai. They cultured various kinds of ~~the~~ fishes. It is the first time for most of us to visit a fish farm. there we could see many types of colourful fishes, etc., they had a partition for each kind of a fish. some fishes feed on dirt substances. workers of the farm demonstrate the feeding of fishes and explain the commercial importance of different fishes. There after we went to Azhagar temple and pazhamuthircholai murugan temple.

By this trip learnt a lot and enjoyed  
the trip. We <sup>learned</sup> around 1 am in our College  
Puthanambipatti.