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Field study report on visit to nearby Apiculture Unit,
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Submitted to Karnatak University Dharwad, for the fulfilment of Bachelor's Degree in Zoology

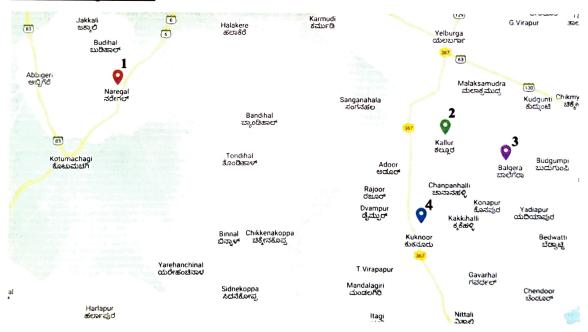
9	Name:	Sahana. S. xlidagund:
	Class:	B. Se vth Sem
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Introduction:

The one day field study trip was held on 6th March 2021, with the permission from college Principal and Management. We had gathered in college campus at 9am and left for the field visit at 9:30am in private vehicles. We have visited an apiculture unit near Kallur Village of Koppal district, a Sericulture unit in Balageri village of Koppal district and a Poultry farm near Kuknoor town of Koppal district. The journey from our college campus to all these three places and back to college was around 90km. We have learned a lot of new things during the field visit and it gave us knowledge regarding rearing Honey bees, Silk worms and Breeds of poultry. This field visit also helped us in finding ideas for self employment based on Applied Zoology.

Field study area:



Map showing' 1- Naregal (College Campus), 2 - Kallur (Apiculture unit), 3 - Balagera (Sericulture unit) & 4 - Kuknoor (Poultry farm).

Apiculture Unit:

Apiculture is the commercial production of Honey. Honey is mentioned in ancient books like Vedas, Purana and epics like Mahabharata and Ramayana. It has been an important element in the sweet diet of man. Before knowing the manufacture of sugar, man depended largely on honey as sweetener. Honey is produced by honey bees. Honey bees have been very closely associated with humans since ancient times and have reached highest degree of domestication. The first evidence of this association between man and bees came to light from the rock paintings made by primitive human. Thousands of years ago, Egyptians were well acquainted with bee keeping before the Christian era.



We reached the Apiculture unit near Kallur around 11:30am. The Apiary was set in Papaya & Pomegranate field, there were many flowering plants and crops were available in nearby fields this allowed bees to collect pollen and

nectar. When the crops are harvested in summer, the sugar syrup is provided to bees. In this apiary there were about 50 bee colonies and each colony can produce around 2-3kg of honey per 20-30days. Each kilo of pure honey is sold at ₹1200/- in the local market.



It is estimated that one third of the food that we consume each day relies on pollination mainly by bees. Many domestic and imported fruits and vegetables require pollination as do many flowering food crops around the world, for example: apples, pears, field beans, runner and dwarf beans, broad beans, strawberries, blueberries, raspberries, blackberries and oil seed rape, with 39 commercial crops reliant on bees in total. Even if a crop is not directly pollinated by a honey bee, the crop still benefits indirectly from being in an environment in which honey bees are working, due to the increased biodiversity in the area which stimulates the crop. Honey bees can also pollinate clover and alfalfa, which are fed to cattle, so there are implications for the meat and dairy industry too. And that is not to mention the huge range of manufactured food products made from all these ingredients. Honey bees play a significant role in the pollination of other important crops such as cotton and flax. In addition to the honey produced by the honey bee there are also a number of valuable nonfood apiary products, such as pollen, queen substance, propolis and beeswax; used in cleaning and beauty products.

Sericulture Unit:

After leaving the Apiculture unit, we went to the Sericulture unit near a small village Balagera which was not far from Kallur. We reached there at 2pm. the sericulture unit was set scientifically. The owner of a unit was very generous he explained life cycle of silkworm, its rearing technique, Mulberry cultivation. harvesting techniques of silk and marketing the harvested silk.



Sericulture plays a major role in rural employment, poverty alleviation and earning foreign exchange. A lot of entrepreneurial opportunities are available in various fields of sericulture. It is practised in various states viz., Karnataka, Andhra Pradesh, Jammu & Kashmir, West Bengal and states like Madhya Pradesh and Maharashtra have also started practising Sericulture. The non-mulberry sericulture is practised in Assam, Jharkhand, Orissa and Madhya Pradesh. More than 6 million people are involved in sericulture activities. It is necessary to upgrade the skills of the sericulturists to use the full potentialities of sericulture to produce qualitatively superior cocoons and to earn profitable income.

Poultry Farm:

From Balagera we had lunch break at Itagi, and from there we went a poultry farm near Kuknoor at 4pm. Though the poultry farm was small we learned many new things like rearing and marketing of different poultry breeds. In this farm the Broiler breed White leghorns were reared for commercial purpose.





Poultry have been on the earth for over 150 million years, dating back to the original wild jungle fowl Now we include ducks, geese, turkeys, pheasants, pigeons, peafowl, guinea fowl and chickens in the list of species under the general term poultry. Poultry provide humans with companionship, food and fiber in the form of eggs, meat and feathers. Many people love to raise and show chickens and other poultry species at fairs and other poultry shows. Others just love to raise them for backyard pets and for fresh eggs every day. There is a large commercial chicken industry that provides us with eggs and meat.

Conclusion:

From the poultry farm we headed back to college campus, reached back college at 5:30pm with lots of knowledge in our minds. After this study trip we are equipped with new self employment ideas and a keen interest towards Applied Zoology.











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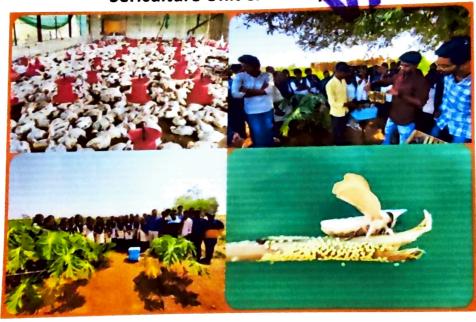
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Shri Annadaneshwar Arts, Science and Commerce College & P.G.Center, Naregal

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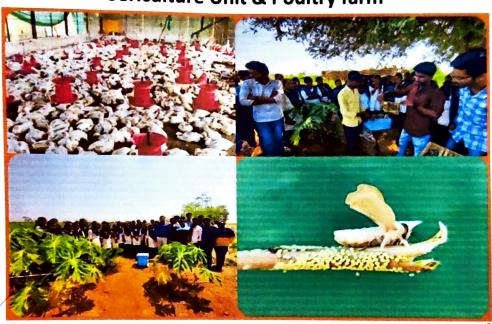
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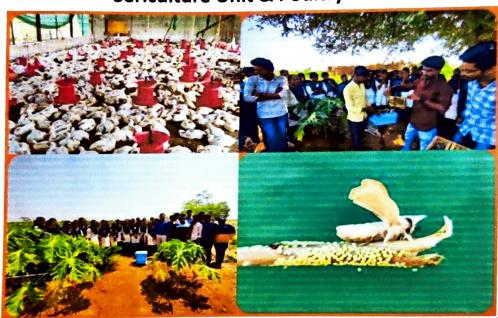
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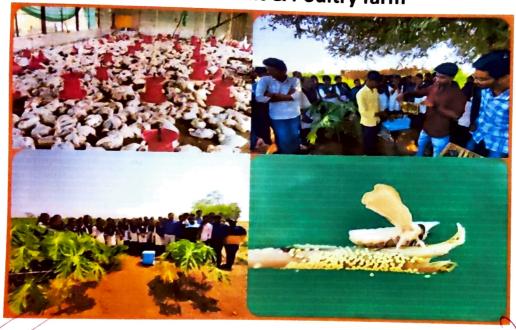
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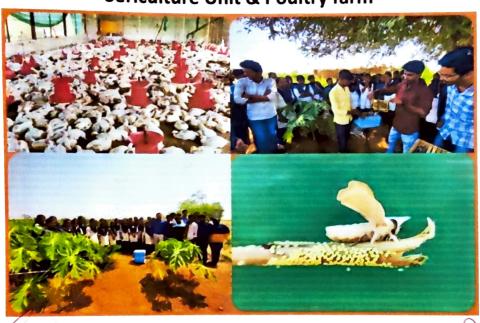
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9	Name: _	Sneha, M. Shetton		Gaware 13/21
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9	Name:	Yasmin. E. Tahasilda
	Class:	BSC I'm sem
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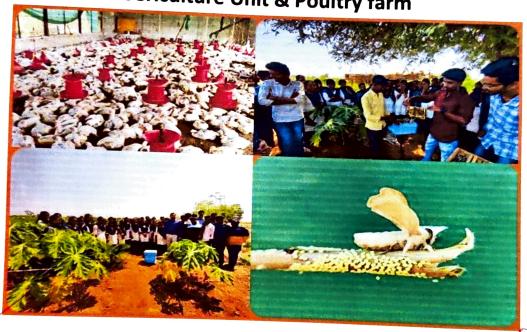
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9	Name:	Kaveri M Mudakavi
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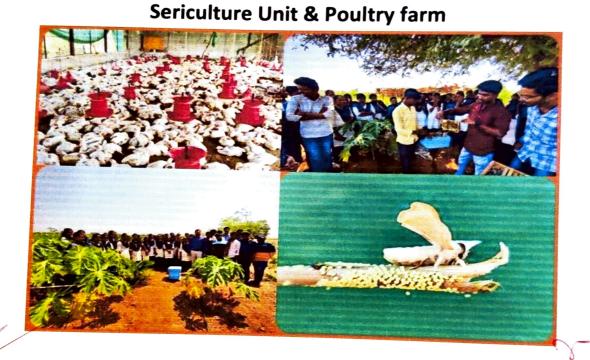
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Bharath manl Name: BSC II SUM Class: Reg. No.: _ 1851 3821





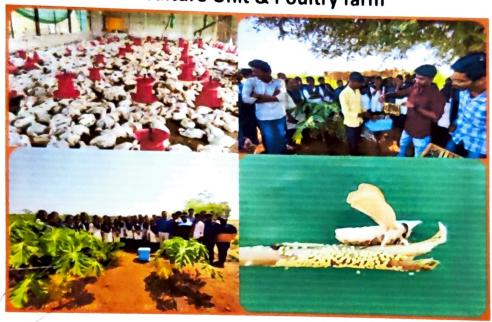
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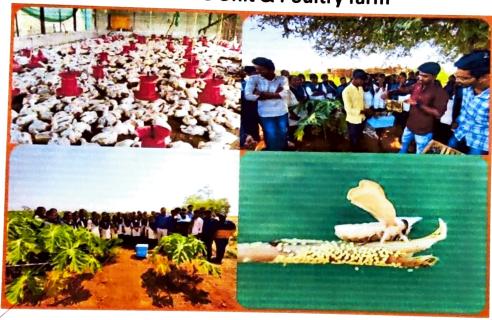
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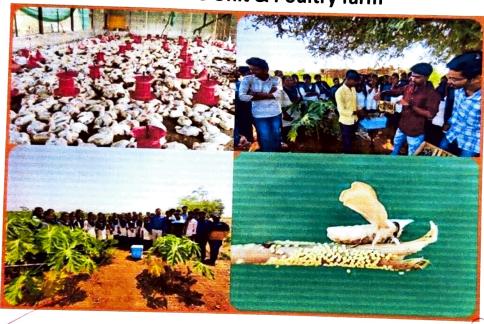
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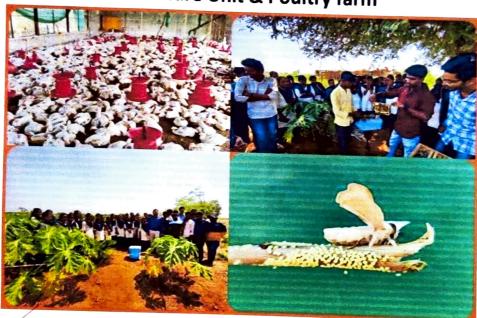
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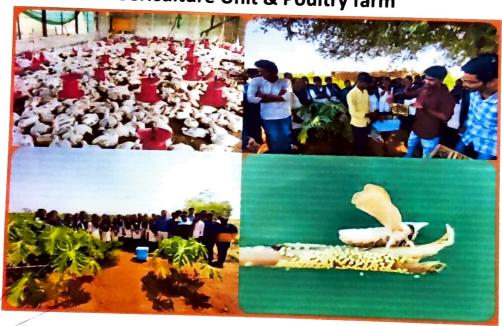
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Aganth Padmanapha

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