

S.N. Mor College of Arts & Commerce and Smt. G.D. Saraf Science College, Tumsar
Department of Zoology

Report: Survey Work (Outreach activity)

To inculcate the scientific temper and awareness about the surrounding and society, several project works had been allotted to 64 students of B.Sc. semester V in the group of five student each in month of **October 2023**. The topics of survey as an outreach activity were as follows:

Roll no.	Project topics
01-05	Survey of Food items containing Fat- and water-soluble vitamins
06-10	Survey of Food nutrients and their calorific value in graduating students
11-15	Survey of common respiratory disorders in our locality (Tumsar taluka)
16-20	Survey of Effect of smoking and tobacco chewing in our locality (Tumsar taluka)
21-25	Survey of Blood pressure of graduating students of our college
26-30	Survey of blood groups of graduating students of our college
31-35	Method of measuring ECG
36-40	Survey of locally available edible fishes of Tumsar region
41-45	Survey of Aquarium fishes used for aquarium in Tumsar region
46-50	Survey of insect pests in rice fields, vegetable field and stored grain of Tumsar region
51-55	Survey of pesticides used by farmers in various crops of Tumsar taluka
56- 60	Survey of Dragon flies, Lady bird beetle and predatory bugs (Biological control agents- predators) in Tumsar taluka
61-64	Life cycle and rearing of Tasar Silkworm, <i>Antheraea mylita</i> .

For this purpose, about **50 samples** (individuals) were surveyed and collected information from them. All the data were tabulated, analyzed and represented by graphs.

Through this survey, students were able to collect the data, tabulate the data and analyze and interpret the data and represent it into graphical form. Information was calculated based on survey work.

By the **nutritional survey**, we were able to understand the nutritional habit among graduating students. We were able to analyze the dietary pattern, energy consumption of the day and taking of food nutrients in their diet. Their nutritional calorific value per day was 1400-1600 K cal.

Survey of respiratory disorder- Concluded the various types of disorder found in our locality, their origin, effect and symptoms. The common respiratory disorder observed in this survey was Asthma.

Smoking and tobacco chewing survey- Explained the nature and type of tobacco form used in our locality, their causes and symptoms. Both the sexes were mostly using non-smoking form of tobacco.

Locally available fish survey- Identified the type of various nutritional fishes available in our area as food supplements. Mostly Rohu, Catla, Mrigal and Clarius are used as food in this region.

Survey of Aquarium fishes- Found out Gold fish, Kissing gourami and Sword tail mostly used for Aquarium in this region.

Survey of insect pest in rice fields- Number of Pests were observed in fields but *Nilaparvata lugens*, *Scirpophaga incertulus*, *Chilo suppressalis*, *Sesamia inferens* these were most economically damaging species found in fields.

Pesticides used by farmer's - Pest is major problem of farmers to overcome this problem farmers used number of pesticides. DDT and Endrin mostly used in field to pest control. Pesticides are very dangers to human health. It directly and indirectly enters in food chain and causing number of health hazardous problem.

Survey of insect predator in rice fields- In this survey Odonates, Carabid beetle, Spiders, Asopinae bugs and Mirid bugs were recorded as most efficient predators, they feed on eggs and larvae of pest or direct attack on adult of number of pests in this way they control pest population without use of pesticides. Predators also called as **Bio-control Agents** they are friends of farmer.

Through these surveys work our students knew various social problems of society and are also tried to aware the people about the above issues.



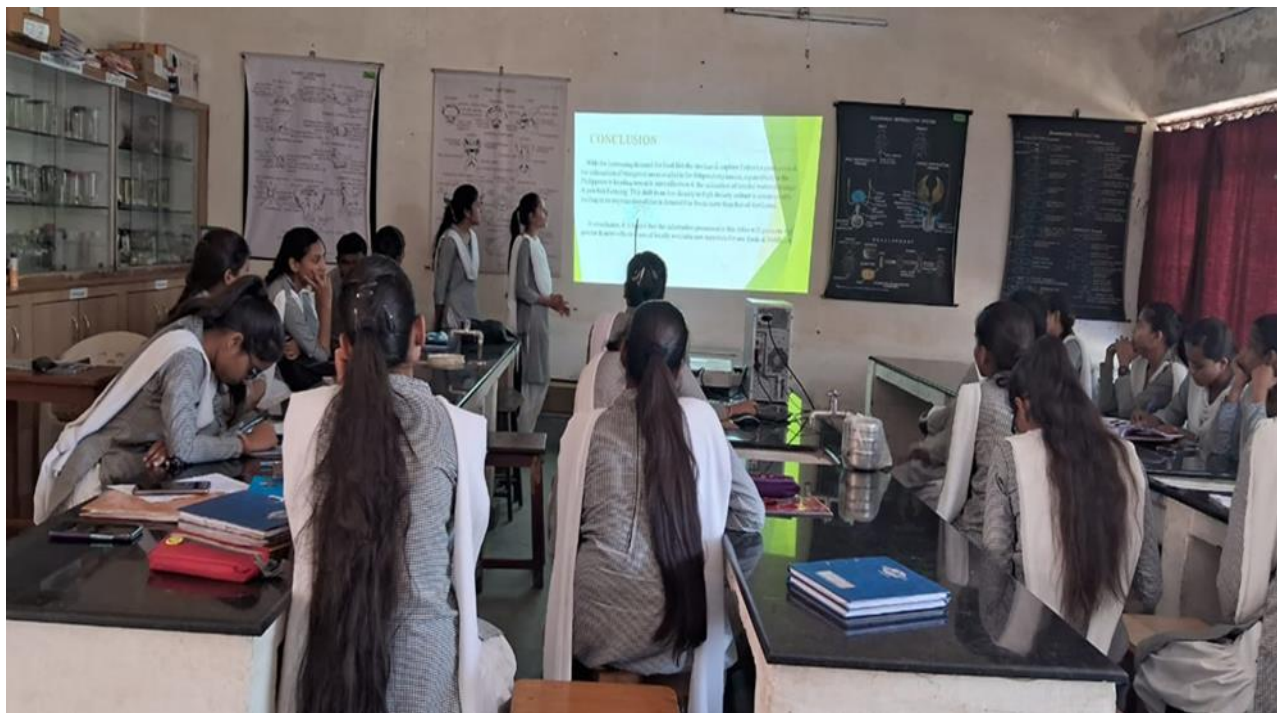
Survey work presented by B.Sc. V Semester students.



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Professors observing presentation of students.