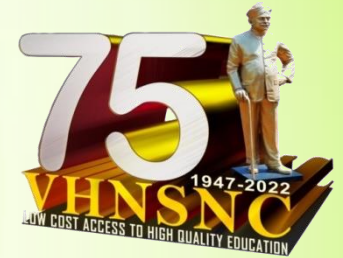


V.H.N. Senthikumara Nadar College

(Autonomous)



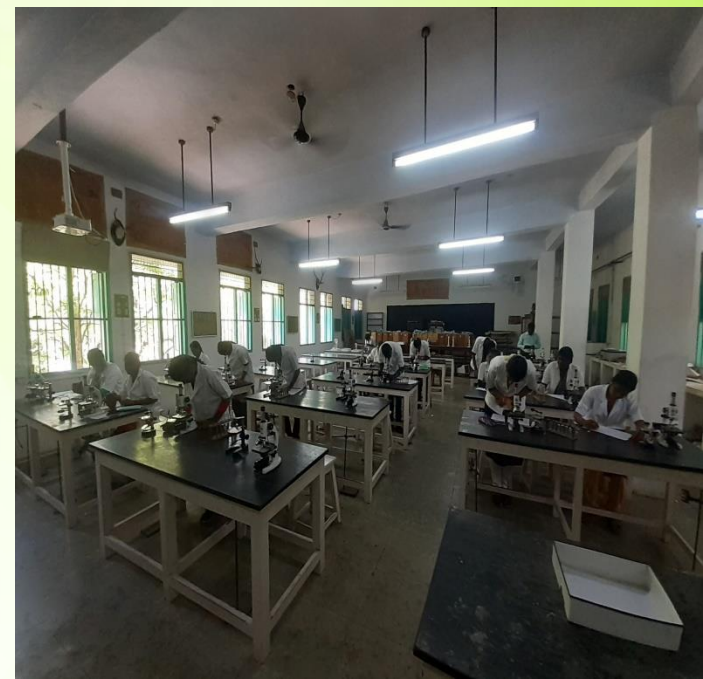
DEPARTMENT OF ZOOLOGY

DBT - STAR COLLEGE
UG STRENGTHENING COMPONENT

III. B.Sc Zoology

ANIMAL PHYSIOLOGY

1. Enumeration of Red Blood Corpuscles (RBC) by Haemocytometer
2. Total count of White Blood Corpuscles (WBC) by Haemocytometer
3. Sphygmomanometer
4. Isolation of genomic DNA from goat liver
5. Human Blood pressure analysis



BIOTECHNOLOGY

1. Isolation of genomic DNA from goat liver/spleen
2. Agarose gel electrophoresis of DNA

SERICULTURE

1. Silkworm rearing equipments and its uses
2. Reeling units
3. Visit to Silkworm Industry

BIOCHEMISTRY

1. Determination of Acid number in edible oil
2. Measurement of pH by pH meter



EQUIPMENT PROCURED FOR THE NEW PRACTICALS

- * pH Meter- **pH meter & measurement of different biological samples**
- * Sphygmomanometer- **Human Blood pressure analysis**
- * Ultracentrifuge - **Isolation of genomic DNA from goat liver/spleen**
- * Haemocytometer - **Enumeration of Red Blood Corpuscles (RBC) by Haemocytometer**

* Egg Incubator

1. Electrical Microscope -**Mounting of Earthworm Body Setae, Mounting of Trachea of Cockroach Insect, Mounting the Scales of edible fishes**

* Silk Rearing equipments -

* Reeling units

* Acrylamide Gel Electrophoresis-
Agarose gel electrophoresis of DNA

* Utilisation of LCD Projector in the Laboratory for Pactical classes



WORKSHOPS & TRAINING

1. Training on Mushroom Cultivation-27th March 2021



2. Ornamental Fish culture & Fish Tank – 9th March, 2021



3. Identification & Observation of Birds and Butterflies – 22nd February, 2022



4. Hands on Training in Silk Cocoon Handicrafts – 25th March, 2022



ORGANISED SEMINARS

- * Online Virtual workshop on Advanced PCR Technique - 10th February, 2020
- * Guest lecture on Ornamental fish culture tanks, Apiculture & Vermiculture - 10th April, 2022



VISITS TO INDUSTRY & IMPORTANT LABS

I.B.Sc Zoology Rameshwaram Tour

Museum visit at Central Marine Fisheries Research Institute, Mandapam, Rameswaram



Students in front of the Zoological Museum at Mandapam



VISITS TO INDUSTRY & IMPORTANT LABS

II. B.Sc Zoology Study tour

Visit to Sericulture Industrial unit at Nannagaram, Tenkasi

Visit to Tamilnadu Silkworm rearing unit at Nannagaram, Tenkasi



VISITS TO INDUSTRY & IMPORTANT LABS

III. B.Sc Zoology Study Tour

Sagarika Marine Aquarium, CMFRI, Vizhinjam

Natural History Museum, Thiruvananthapuram



Lectures delivered by the Experts/Speakers

Prof.V.Ramesh, Asst.Prof. of Botany Vivekandha college, Thiruvudagam delivered lecture on Mushroom culture



Prof.U.Ramesh, Prof.in Molecular Biology, Madurai Kamaraj University Guest speaker on topic Ornamental Fish Culture



Dr.R.Nikhil, Paediatrician & Ornithologist spoke on topic Butterflies



Virudhunagar, Tamil Nadu, India
1, VOC Rd, Anna Nagar, Virudhunagar, Tamil Nadu 626001, India
Lat 9.576889°
Long 77.973428°
22/02/22 04:04 PM

OUTREACH ACTIVITIES

Ornamental Fish Cultured by the students and will be sold at Rs.25/ per pair

Apiculture technique is done by the students and honey sold for Rs.500/Per Kg.

Vermiculture bed is maintained and Vermicompost is sold for Rs.10/ Per Kg.



IMPACT OF THE STAR COLLEGE SCHEME

* Specimen Collections



* Training in Ornamental Fish culture



* Cocoon Handicrafts training



IMPACT TO PARTICIPATE IN THE COMPETITION

Impact of workshop on Bird Identifications & Butterflies leads to the participation in the competition on topic “DROPPING BIRD FEATHERS DISPLAY



By conducting workshop on Ornamental fish culture techniques led the students to take part in the “BEST FISH AQUARIUM TANK CONSTRUCTION COMPETITION”



DEPARTMENT OF ZOOLOGY

**Guest Lecture on “Bioactive Potentials of Seaweed Polysaccharides ” on
20.03.2021**



**I B.Sc Zoology students visited Nikhil Fish farm and Aqua garden,
Kadachanendhal, Madurai District on 13.03.2021**



**I B.Sc Zoology students visited Silkworm Rearing Centre,
Mulberry Garden and Silkworm Seed Production Centre Vaiyakoundanpatti
Village, Tenkasi District on 13.03.2021**



Training Programme on "Ornamental Fish Culture Techniques" on 09.03.2021



Virtual workshop on "Advanced PCR Techniques" on 10.02.2021



Hands on Training on "Mushroom Cultivation" on 27.01.2021

