

# **SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA**

## **DEPARTMENT OF ZOOLOGY**

### **Detailed report 2020-2021**

#### **Field Visit**

As part of DBT Star scheme programmes UG department of Zoology arranged two field trips for BSc Final year degree students. Field visits give opportunities for students to enjoy experiential learning. Students really utilized the opportunity they got. Head of the department and teachers accompanied the team. Places of visit and detailed report are given below:

#### **ADAK ODAYAM HATCHERY AND AQUARIUM COMPLEX.**

Head of the department of Zoology sought prior permission from the Hatchery Manager, Odayam Varkala for the visit on 20-03-2021. Students of Final year BSc. zoology and accompanying teachers reached the centre by conveyance arranged from department. The ADAK centre is situated near Varkala Cliff. The complex included Marine and freshwater Aquarium, Multispecies Shrimp Hatchery and Aquatic animal Health centre. Marine and freshwater Aquarium was really amazing and inspired the students. There were a lot of freshwater and marine organisms kept in aquaria. Jelly fishes, crabs, lobsters, turtles and freshwater fishes like carps, puntius, Mis Kerala, tiger barbs, Angel fish, gold fish and Eurihaline fishes like Etroplus, Tilapia were there. A number of marine fishes were kept in tanks. The visit gave the students an idea about ornamental fish culture and its importance. From there we moved on to see the shrimp hatchery. The assistant manager explained the functioning and the rearing of shrimp larvae. Finally we went to the Aquatic animal Health Centre. It was a newly introduced lab where sophisticated instruments were installed to test different physical and biological parameters for aquaculture. The lab technician explained the minute details about the working of different instruments to students. Phase contrast microscope, PCR and ultra centrifuge were used there for the analysis. The trip was a really interesting and motivating one.



Marine Aquarium



Shrimp Hatchery



Aquatic Animal Health Centre

