

Excursion report

Report of field trip to Bakkhali (21.04.2024 to 24.04.24)

**Semester:** VI

**Paper :** DSE 3: Wildlife and Conservation

**Title:** Field study in Bakkhali for Biodiversity study

**Introduction:**

The department of Zoology , Sree Chaitanya College, Habra conducted a field trip to Bengal Safari Park, Siliguri and Jaldapara National Park Bakkhali as a part of the Semester 6, practical syllabus of DSE 3 (Wildlife and conservation). The team comprised of 26 students and 3 Assistant Professors . The excursion was supervised by the following Associate and Assistant Professors (Dr. Manik Bhakta, Dr. Sobhana Palit and Dr. Priyankar Sanphui)

**Objective:**

1. Estimation of species population using quadra method
2. Estimation of population density of animal using line transact method
3. Documenting the species observed in the beach.

**Activities conducted:**

Estimation of species population using quadrat method:

The gastropod population were estimated by using the quadrat method in the beach. The quadrat used was 2mt X 2mt

Estimation of population density of animal using line transact method:

The line transact method was used to study the density of crab hole over a stretch of 2 Km on the beach. The data was recorded and analyzed.

Documenting the species observed in the beach:

Extensive field survey was conducted on the beach area mainly in the tidal zone during the low tide. Different variety of marine organism were observed and photographed.

## Outcome:

Beyond academic growth , fieldwork hones observation skills, encourages teamwork and foster the sense of curiosity. Students develop a connection with nature that extends beyond classroom. The excursion provided the students a practical experience of estimating species and population density using different methods. This excursion also provided an oppurtuniy to the students to view the marine animals in their natural habitat.

## Conclusion:

The excursion creates the opportunity for a dynamic and immersive approach to learning and it plays a pivotal role in shaping the scientific minds. Fielswork also instills an appreciation for the intricate relationships within ecosystem and the urgency of environmental conservation.

The department of Zoology is thankful to the college authority for the permission and support in organizing the event .

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