



### **Module 3: Introduction of biodiversity in our area....**

India is a mega diverse nation, housing around eight percent of world's species. According to the IUCN report India consists of 45,000 species of plants and 91,000 species of animals. The country's diverse physical features and climatic conditions have resulted in a variety of ecosystems such as forests, wetlands, grasslands, desert, coastal and marine ecosystems which harbour and sustain high biodiversity. It consists of ten bio geographic regions among which four region are biodiversity hotspots namely The Himalayas, the Western Ghats, the North-East and Andaman and Nicobar Islands. These bio geographic zones were explained to the students. A visual containing slides of unique flora and fauna of India was screened. Students were asked to identify them and give their importance in nature. Threats such as, habitat fragmentation and destruction, forest fires, trading that are leading to biodiversity loss was discussed to make them aware and conserve local biodiversity.



*.Visual presentation about biodiversity in India to the students of High School, Islampur*

# Greening minds greening communities.....

## Who belongs where.....

A game was conducted for the students to identify different species of flora and fauna.

The students were given cards showing different species of flora and fauna and were asked to stand in a circle. At four corners outside the circle habitats such as forest, river, grassland and human settlement was marked. When the music starts, students had to pass the cards around in the circle and when the music stops the players should look at the card they have and run to the habitat where they belong. By deleting one of the habitats discussions were done with students.

The main objectives of the game were:

- Identifying the habitat of the particular species given to them.
- What happens to each species when a particular habitat is destroyed?
- How can the habitat be conserved.



*Students of H. G. Andhalkar High School, Andhali passing the cards.*



*Students of Madhyamik Vidyalaya, Nagthane showing species belonging to forest habitat.*



*Explanation of the role of the particular species in the habitat and effects of destruction of a habitat on the species to the students of Vita High School, Vita.*