Organic farming practices

First hand information on green gardening and recycling.

Kitchen garden

A form of agriculture that involves all-season techniques such as crop rotation, green manure, composting and biological pest control to grow vegetables and other plants for human consumption.

Dairy farm

A class of agriculture for the long term production of milk and processing for sale as dairy products.

Pig farm

A form of animal husbandry involving the raising and breeding of domestic pigs as livestock.

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Biogas plant

The breakdown of organic matter and raw material that includes dairy and kitchen waste to produce a mixture of gases for bioenergy.

Composting

Demonstration of vermi-composting technology and its uses as organic manure.

Aquaphonics

Observe an aquaponics system that combines aquaculture (growing fish and other aquatic animals) with hydroponics (growing plants in water). This system uses these two in a symbiotic combination in which plants are fed the aquatic animals' discharge or waste.

Ecosystem practices

Training center: Presentations and photographs of different coastal ecosystems, their functions and resources. Locally found and economically important fish will be described to highlight estuarine, creek and khazan diversity. Hands-on exercises on various fishing knots and microscopy of plankton collected during the boat trip.

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TERI Coastal Education Hub

Mangrove Ecosystem

Khazan Ecosystem

AquaTech Park

Organic Farming Practices

Eco-sustainable Practices

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Tour Highlights

Mangrove Ecosystem

A guided boat tour, for experiencing the estuarine creeks and a guided walk to explore mangrove habitats. Activities during the boat tour include traditional net casting in creeks and traditional crab catching traps. Mangrove leaves and roots will be exhibited to explain how their unique morphological adaptations help them survive extreme conditions. Get on-site information on the ecological importance, conservation practices and a variety of flora and fauna that inhabit these forests.

Khazan Ecosystem

A visit to understand the inner workings of a 'khazan' ecosystem, a traditionally reclaimed mangrove constructed by building systems of dykes and sluice gates to regulate water inflow. Learn how this self-operating set-up combines highly complex, eco-friendly agriculture, aquaculture, and salt panning systems to harness tidal, hydro and solar energy.

Salt Production

Visit to the traditional salt pan, one of the component of 'Khazan' ecosystems and learning the primitive methodology demonstrating the extraction of solar salt. Goa's riverine estuaries, easy access to sea water and favorable climatic conditions makes salt production attractive during summer. Observe how salt is harvested along with salinity measurements using a salinometer.

AquaTech Park

First-hand information and demonstration on aquaculture practices such as

Mussel cultivation

These filter-feeders are some of the most easily gathered seafood organisms and are a rich source of animal protein.

Oyster cultivation

These bivalves, rich in protein, minerals and vitamins, can be grown and harvested by a number of methods.

Crab culture

Crabs can be farmed during the dry season and can be cultivated by fattening or by growing out.

Cage farming

Aquaculture practice where fish such as Pearl spot are held and grown in floating net pens utilizing existing water resources.