

Monthly Programme Report

Fatima Mata National College, Kollam BMC

Institution Name: **Fatima Mata National College, Kollam**

BMC Code: **KLM/2018/22**

Programme Title: **An awareness session on wonderful world of Mangroves**

Program Category: Observance of Environmentally Significant Day	Activity Type: Awareness Program	No. of participants: 150
Planned Date: 11-03-2025	Renewed date: -	Program Date: 11-03-2025
Budgeted Amount: Rs 1000/-	Total expenditure: Rs 1000/-	Balance: Rs 0/-

Brief Report

Organized by: Bhoomitrasena Club, Environmental Club, and the PG & Research Department of Zoology, Fatima Mata National College, Kollam

In collaboration with: WWF-India, Department of Environment and Climate Change (DoECC), Government of Kerala, and Parent-Teacher Association (PTA)

Resource Persons: Smt. Anumedha S S and Smt. Preethy

Scientific Importance of Mangroves

Mangroves are unique intertidal forests found in coastal regions, particularly in estuaries, river mouths, and lagoons. These ecosystems serve as a critical buffer between marine and terrestrial environments, providing a range of ecological and economic benefits.

Key Features of Mangroves:

- **Salt Tolerance:** Mangrove trees exhibit specialized adaptations like salt-excreting glands, pneumatophores (aerial roots), and vivipary (embryo germination while attached to the parent plant).
- **Carbon Sequestration:** They act as "carbon sinks," storing large amounts of carbon in their biomass and sediments, thereby mitigating climate change.
- **Biodiversity Hotspots:** Home to a variety of species, including fish, crustaceans, mollusks, and birds, they support complex food webs.
- **Shoreline Protection:** Their dense root systems reduce coastal erosion and provide protection against storm surges, tsunamis, and rising sea levels.
- **Water Filtration:** Mangroves improve water quality by trapping sediments and absorbing pollutants.

Expenditure Statement

Item	Expenditure	Remarks
honorarium	Rs 1000	
Budgeted Amount		Rs 1000
Total Expenditure		Rs 1000
Balance Amount		Rs 0

Photographs

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