Monthly Programme Report

Fatima Mata National College, Kollam BMC

Institution Name: **Fatima Mata National College, Kollam** BMC Code: **KLM/2018/22**

ProgrameTitle: **An awareness sesion on wonderful world of Mangroves**

Program Category: **Observance of Environmentally Significant Day**	Activity Type: **Awarness 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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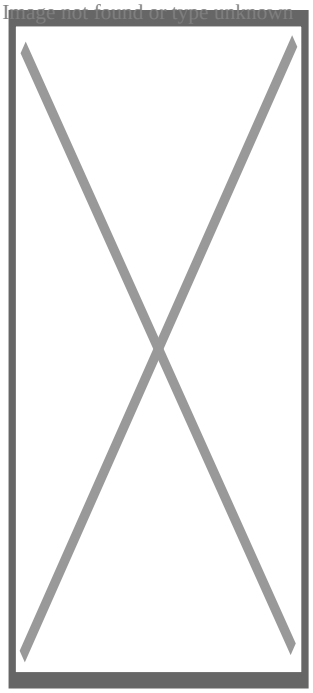


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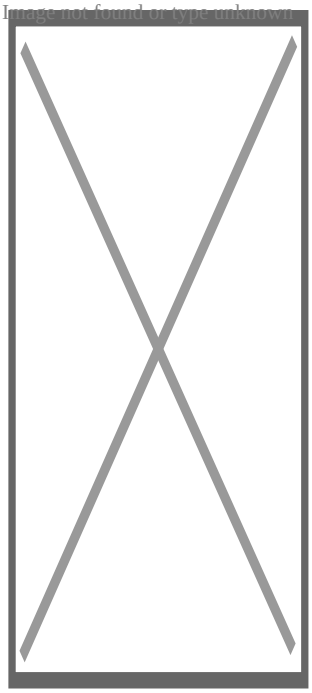


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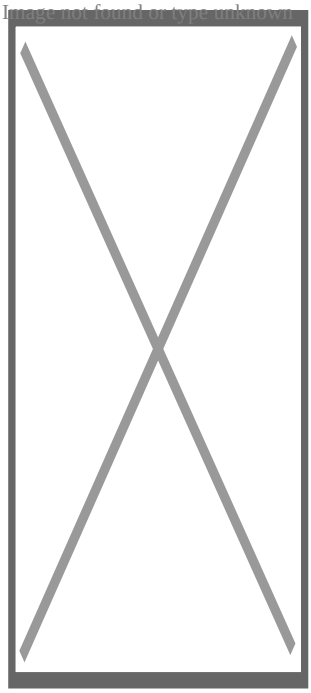


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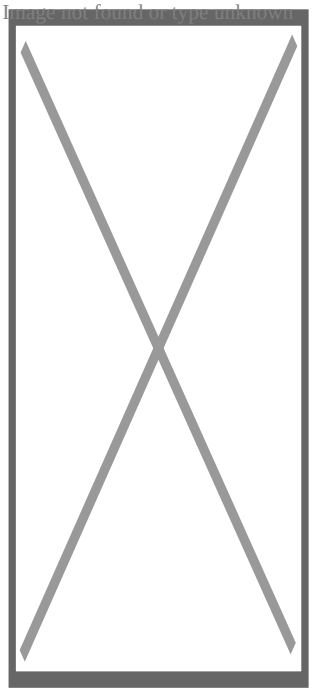


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