Jetwing Vil Uyana **Climate Resilience** in a Built Environment R Rewilding

through rewilding initiatives.

Sunela Jayewardene

Design strategies for climate resilience and the value added to tourism

May 2024



2007

Inspired by the Vernacular architecture and Irrigation heritage of Sri Lanka's Dry Zone

Jetwing Vil Uyana 2009 National Geographic's Top 25 Ecolodges of the World





Designing a Wetland in the Dry Zone of Sri Lanka









Environmentally-sensitive Vernacular Design Elements









Thanpita System

A vernacular design element that

- Allows passive ventilation
- Provides protection from moisture
- Protection from insects, reptiles etc;
- Facilitates construction on any gradient

Used in traditional Ambalama, pavilions, watchhuts, covered bridges, temple architecture....









Absence of gutters to prevent concentrated water flows that cause erosion and water management issues

Downlighting outdoors to mitigate light pollution for nocturnal wildlife



Sand pathways to allow drainage, earthen bunds for perimeters to allow free passage for wildlife, rewilding for multiple eco-system services and easy landscape management





2005	No. of Species	2
12	Mammals	
29	Birds	
24	Butterflies	
3	Amphibians & Reptiles	

Evidence of successful rewilding



2018

25

140

36

35

Rainforest Ecolodge



Upcycling of decommissioned ocean-going containers



Colombo Court





Thank you!

