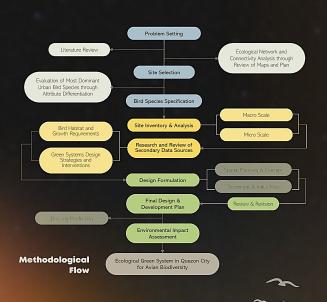
FLY HOME

Designing Ecocentric Greenery System for Avian Biodiversity on Critical Ecological Network in Quezon City

UNIVESITY OF THE PHILIPPINES DILIMAN COLLEGE OF ARCHITECTURE LA 200: Undergraduate Thesis AY 2021-2022

ABSTRACT



Focal Species

Based on the collected and Passer montanus are the most suitable focal species to

Yellow-Vented Bulbul

Main Problem

How can the urban greening systems on UP-Ayala TechnoHub office buildings in Quezon City be designed and optimized to improve urban avian ecology and reduce the threat to habitat loss of the selected resident urban bird species?

Goal

strengthen the urban biodiversity and enhance the ecological considering the factors of avian behavior and necessities, ecological connectivity, and other environmental conditions.



UP AyalaLand TechnoHub

Ayala Group and University of the Philippines (UP) located inside the

based on criteria, UPATH...

ECOLOGICAL CONNECTIVITY

LANDSCAPE RESISTANCE

LEVEL OF HABITAT DEGRADATION

concluding it an opportune site for the greenery systems

Parting span

Site Analysis

Attributes of bird species as good indicators of biodiversity abundance and ecological contributions

- frugivorous and/or granivorous
- functional guild wide geographic

- easily respond to environment

range high occurrence

Eurasian Tree Sparrow

- 3 Brown Shrike (L. cristatus)
- 4 Pied Fantail (R. javanica)
- Golden-Bellied Fly-Eater 5



June 2022



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Adarna

a skillful creature that uses magic and healing power in achieving desires of blissful life; translated to provide spaces and facilities for healing and restoration from the undesirable circumstances and conditions that the avian community experiences in the urban landscape

Lighting Fixture	Illuminance	Application
Die cast aluminum surface- mounted floor light	6 lux	Pathways, stairs
Recessed strip light with diffuser	8 lux	Seating furniture, audio booths, exhibit walls
Bending strip light with silicone tubing	4 lux	Signage

B

(G)

planting specification

insectivorous

- Arachis pintoi Wedeli trilobata Ixora philippinensis
- Hibiscus rosa sinensis
- Carmona retusa Eugenia oleina
- Tabernaemontana sp.
- Mussaenda philippica Murraya paniculata Cassia alata Lantana camara Hedychium coronarium Bixa orellana
- Canna generalis Thalia geniculata Antigonon leptopus

- granivorous

 Saccharum spontaneum Lantana camara
- Hedychium coronarium Bixa orellana Cyperus alternifolius

ornamental

Tagetes patula Philodendron selloum Asplenium nidus

Typha angustifolia

frugivorous

- Ixora philippinensis Carmona retusa
- Eugenia oleinaMurraya paniculata Lantana camara Vitis vinifera

plants & others

- Podocarpus macrophyll Rhapis excelsa Paspalum conjugatum



(D)

- E Discussion space
 F Pathway
 Audio booth area
 H Exhibit walls
 I Signage
 J Entry from building interior
 K Connection to greet façade
 L Tollet

site perspectives





site development plan

A roof deck is selected that shall supposedly allow public access for educational demonstration and usage of the employees, guests, student visitors, researchers, staffs of the office buildings, and the community for ecological learning experience, human involvement.

The proximal connection of spaces encourage healthy and successful breeding and promote abundance of the avian species through convenient access to critical resources.

site perspectives







legend

- Pathway Nudio booth area Exhibit walls Signage Entry from building

site development plan

