

**Studies on bird diversity at Campus of St. Ann's college for women, Malkapuram,
Visakhapatnam, A.P, India.**

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Abstract:

Birds are gradually declining around the world day by day. The case study we have attempted to document the bird diversity around our college premises, St. Ann's college for women, Malkapuram, Visakhapatnam, India. we have used binoculars for clear view and also participant observation to gather. Greenery around the campus is being some out attractive to birds for their residence. 14 species of birds were recorded from this location with a duration of 5 Hours. We found that these bird species attain conservation values.. Of these, 10 were resident, 4 were local migrants. But these birds decreasing in their count due to anthropogenic activities, climatic and ecological factors. The present study was to know how threats and habitat loss that declining bird diversity.

Keywords : Birds, Species, Diversity, St. Ann's and Visakhapatnam

INTRODUCTION

Birdwatchers across the world have a value of recording birds present in the registered area. These observations were uploaded to e-Bird through the protocols basic unit of a checklist. This checklist gives the information about the existing birds. I Studies indicate that, of the 1358 species [2]found in the Indian subcontinent, about 229 are migrants that include both terrestrial and water birds[1].Information on the protocol can be seen on the e-Bird help pages. Indian Birdwatchers in India began to use e-Bird in a concerted manner which is useful for the platform to share the information .

MATERIALS AND METHODS:

This article focuses on present status of counting birds at St. Ann's campus, Malkapuram, Visakhapatnam. Our campus all together 6276581 acres with about 180 trees around it. This make the location beautiful with the bird diversity. We used binoculars to observe the birds which are far away to see. **Fig: 3.** Bird count supports listing and monitoring of birds from individuals maintaining their bird list, to group of students. we encourage birders to use the free record-keeping tools provided by e-Bird. We registered our campus hotspot for e-Bird 2022 to upload the observed birds in the campus **Fig:1.** We started our program in the morning from the start point of the campus**Fig:2.**

RESULTS:

The present study reports the results of ornithological surveys conducted at St. Ann's campus and in the states of Andhra Pradesh. We observed about 14 species of birds which are belonging to different families. Of these, 10 were resident, 4 were local migrants. The observed birds was given in the **Table 1.** We also involved in uploading the lists of bird with our campus hotspot through e-Bird app. Checklist of uploaded bird list was show in the e-Bird website **Fig:4**

DISCUSSION:

Counting is central to ecological studies and conservation research in ornithology[3]. By this we came to know how many species of birds and also their diversity in our campus. We also noticed the effect of anthropogenic activities to decline their number day by day. Proper awareness should be given to people to maintain the diversity of birds in our livelihood for better natural

environment. In community studies involving bird-counts, the absence of serious attempts to standardize ‘efforts’ by developing species–incidence curves is a serious drawback.[3]

REFERENCE:

1. Majumder, A., Maheswaran, G., Alam, I., Chandra, K., Alfred, J.R.B. and Chowdhury, B.R. 2022. Birds of India 1-600. Zoological Survey of India
2. Praveen, J., and Jayapal, R., 2023. Checklist of the birds of India (v7.1).<http://www.indianbirds.in/india/>
3. Urfi, Abdul & Sen, Monalisa &Kalam, Abdul &Meganathan, T. (2005). Counting birds in India: Methodologies and trends. Current Science. 89.

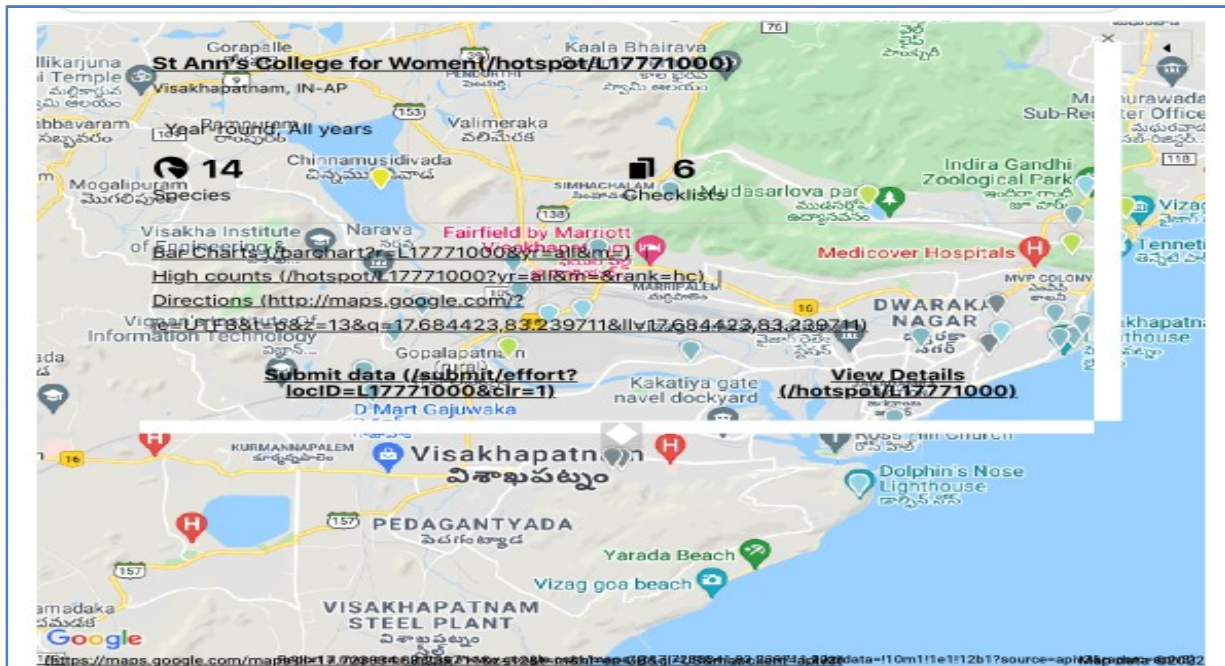




Fig:1 Google map showing the registered Hotspot



Fig:2 Start point of the Campus



Fig:3 Observing the birds using Binoculars

BIRDS	COMMON NAME	SCIENTIFIC NAME	ABOUT IT
	ROCK PIGEON (FERAL PIGEON)	<i>Columba Sivia</i>	PIGEONS ARE ATTRACTED TO OPEN AREAS WHERE THEY CAN FIND FOOD ON THE GROUND.
	CATTLE EGRET	<i>Bubulcus ibis</i>	CATTLE EGRET IS A POPULAR BIRD WITH CATTLE RANCHERS FOR ITS PRECEIVED ROLE AS BIOCONTROL OF CATTLE PARASITES SUCH AS TICKS AND FILES.



**INDIAN POND
HERON**

Ardeolagravii

*THE INDIAN POND HERON
OR PADDYBIRD IS A SMALL
HERON. IT IS OF
OLDWORLD ORIGINS.*



**ROSE RINGED
PARAKEET**

Psittaculakrameri

*ROSE RINGED PARAKEET IS
CONSIDERED ONE OF THE
BEST TALKING PARROTS
AND CAN LEARN A
VOCABULORY OF UP TO
250 WORDS*



**PURPLE
RUMPED
SUNBIRD**

Leptocomazeylonica

*SUNBIRDS ARE BRIGHTLY
COLORED BIRDS, WITH
VARIOUS COMBINATION
OFGREEN, PURPLE, BLUE,
RED AND YELLOW
FEATHERS. SUNBIRDS ARE
DIURNAL BIRDS (ACTIVE
DURING THE DAY)*



ASIAN KOEL

Eudynamysscolopascus

*ASIAN KOEL MAKES SOUND
OF KOOOO-KOOOO IS
ACTUALLY A MATING CALL,
AND A DESPERATE ONE.*



**WHITE
THROATED
KINGFISHER**

Halcyon smyrnensis

THE WHITE THROATED KINGFISHER IS ELECTRIC BLUISH-GREEN TINGED BACK AND UPPER WINGS.IT IS HAS WHITE THROAT EXTENDING ACROSS THE BREAST.



BLACK KITE

Milvus migrans

BLACK KITES HAVE BLACK TALONS AND PALE YELLOW LEGS.THEIR SHARP TALONS ARE VERY EFFECTIVE FOR CATCHING AND HOLDING PREY.



**COMMON
TAILOR BIRD**

Orthotomus sutorius

TAILOR BIRD GETS ITS NAME FROM THE WAY IN WHICH IT BUILDS ITS NEST BY STITCHING LEAVES TOGETHER.



SHIKRA

Accipiter badius

THE SHIKRA HAVE GREAT COURAGE, COUPLED WITH INTELECT AS A HUNTER, MAKING IT ONE OF THE EASIEST TO TRAIN AND TAME.




	<p>INDIAN GOLDEN ORIOLE</p>	<p><i>Orioluskundoo</i></p>	<p><i>INDIAN GOLDEN ORIOLES ARE SMALL SHY SUNBIRDS. MALES ARE GOLDEN YELLOW I COLOUR.FEMALES ARE ALMOST GREENISH WITH A YELLOWISH-WHITE BELLY.</i></p>
	<p>BLACK DRONGO</p>	<p><i>Dicrurusmacrocerus</i></p>	<p><i>BLACK DRONGO IS GLOSSY WITH A WIDE FORK TO THE TAIL.THE SEXES CANNOT BE TOLD APART IN THE FIELD.</i></p>
	<p>HOUSE CROW</p>	<p><i>Corvussplendens</i></p>	<p><i>CROWS ARE EXTREMELY INTELLIGENT BIRDS. THEY ARE KNOWN FOR THEIR PROBLEM-SOLVING SKILL AND AMAZING COMMUNICATION SKILLS.</i></p>

Table:1-BIRDS WE WATCH IN THE CAMPUS

Source: Google pictures, captured pictures in the campus and Google maps

23/05/2022, 11:35

Checklist for St. Ann's College for Women

eBird Field Checklist

St. Ann's College for Women

Visakhapatnam, Andhra Pradesh, IN

ebird.org/hotspot/L17783558

14 species - Year-round, All years

Date: _____

Start time: _____

Duration: _____

Distance: _____

Party size: _____

Notes:

This checklist is generated with data from eBird (ebird.org), a global database of bird sightings from birders like you. If you enjoy this checklist, please consider contributing your sightings to eBird. It is 100% free to take part, and your observations will help support birders, researchers, and conservationists worldwide.

Go to ebird.org to learn more!

Pigeons and Doves

___Rock Pigeon

Cuckoos

___Asian Koel

Herons, Ibis, and Allies

___Cattle Egret

___Indian Pond-Heron

Vultures, Hawks, and Allies

___Shikra

___Black Kite

Kingfishers

___White-throated Kingfisher

Parrots, Parakeets, and Allies

___Rose-ringed Parakeet

Old World Orioles

___Indian Golden Oriole

Drongos

___Black Drongo

Jays, Magpies, Crows, and Ravens

___House Crow

Cisticolas and Allies

___Common Tailorbird

Starlings and Mynas

___Common Myna

Sunbirds and Spiderhunters

___Purple-rumped Sunbird

Fig:4 Pdf showing the list of Birds uploaded in e-Bird website