



All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior Published by the Ecology, Environment and Climate Change Cluster and Global Centre for Environment and Energy permission of Ahmedabad University. at Ahmedabad University, Commerce Six Roads, Navrangpura, Ahmedabad 380009, Gujarat, India. CONCEPTUALISATION PHOTOGRAPHY TEXT **Front Cover:** Purple-rumped sunbird (*Leptocoma zeylonica*, Male) AND EXECUTION Ananya Desai Tanvi Maher Devvratsinh Mori Harshikaa Udasi Devvratsinh Mori Rohith Srinivasan Jayendra Bhalodiya Back cover: Indian Peafowl (Pavo cristatus) Shomen Mukherjee Photographs by Devvratsinh Mori

# Ahmedabad University is a private, non-profit research university that offers students a liberal education focused on interdisciplinary learning and research thinking. We mould independent thinkers and compassionate leaders who go on to engage innovatively with the complex challenges of our societies. Ahmedabad University was established in 2009 by the Ahmedabad Education Society to offer a world-class academic experience in one of India's most vibrant and livable cities. With a centrally located campus and internationally renowned faculty, it offers one of the most stimulating academic environments in the country. As a comprehensive university, Ahmedabad University offers undergraduate, graduate, and doctoral studies in areas such as engineering, humanities, management, natural sciences, and social sciences.

# BIRDS at AHMEDABAD UNIVERSITY



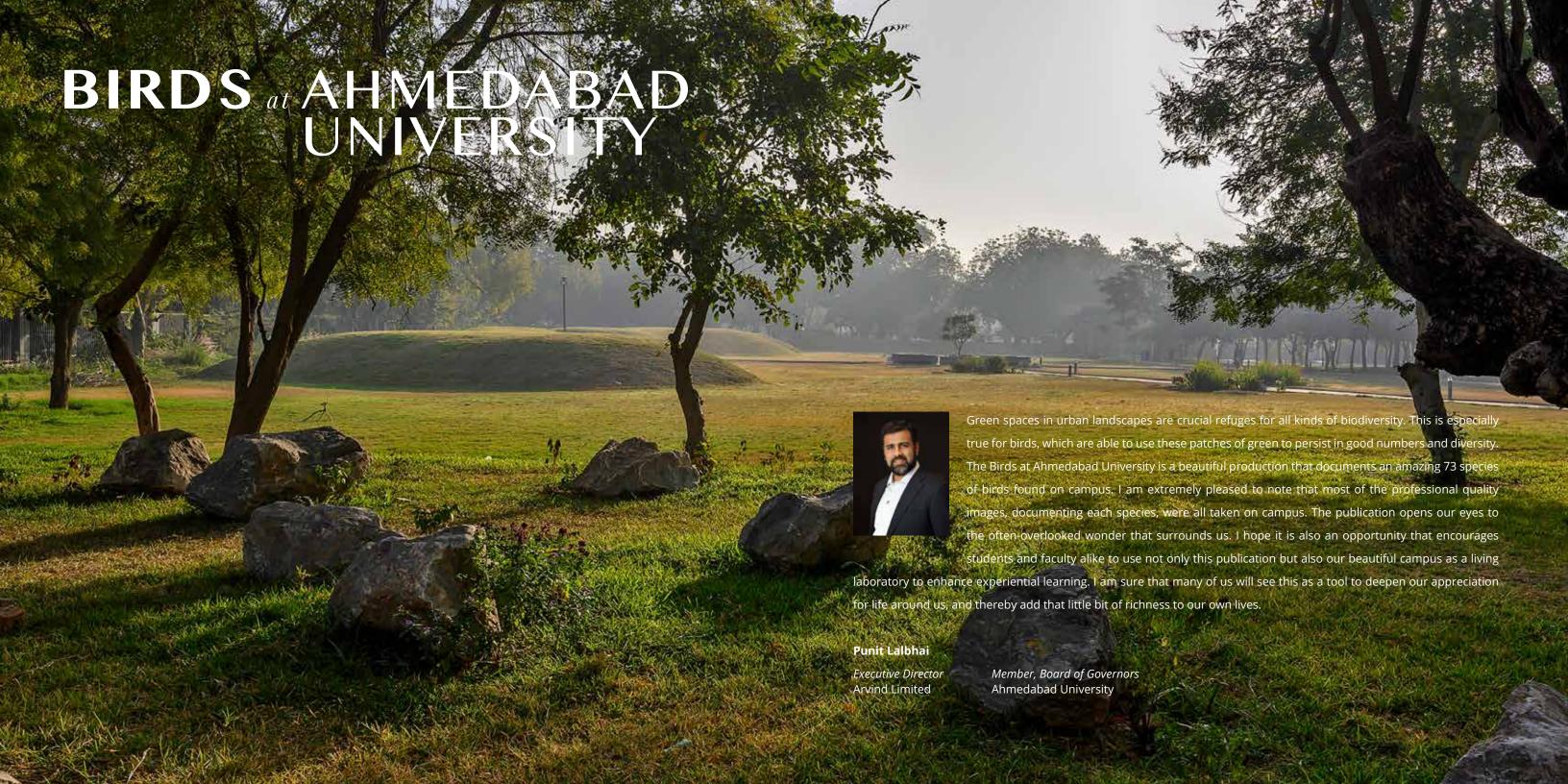
The campus of Ahmedabad University is emerging as an urban oasis, reflecting its strong belief in harmonious co-existence of plants, birds, and humans. Our Arboretum is growing into a green lung for the city of Ahmedabad with its more than a hundred species of trees. These trees have started to attract a large number of birds to our campus. This book, The Birds at Ahmedabad University, documents their

presence on our campus, and I hope that those who walk through our campus will enjoy the beauty that nature provides, appreciate that their presence signals the rich diversity of our planet, and also teach us a lesson on co-existence with those who are different from us. In some ways, this book gives a voice to the birds and the trees on which they rest within our campus. I am sure this majesty of nature will grow with time, and I hope we will continue to celebrate their presence at Ahmedabad University.

#### Pankaj Chandra

Vice Chancellor Ahmedabad University

Chairman Board of Management



#### **Global Centre for Environment and Energy**

The Global Centre for Environment and Energy is a one-of-its-kind Centre of Excellence at Ahmedabad University. The Centre fosters and pursues interdisciplinary research and designs technological and social experimentation related to climate change, energy, and natural resources. Areas of expertise include but are not limited to assessing global climate change and its impacts, development pathways, and long-term scenarios for India, climate and energy policy, urban mitigation and adaptation strategies, low carbon technologies, aerosol modelling, and the environmental impact of aerosols.

The Centre hosts the Technical Support Unit of the Mitigation Working Group of the Intergovernmental Panel on Climate Change (IPCC). The Centre works closely with members of the Centre for Environmental Policy, Imperial College London. It collaborates with global and Indian universities, research institutes, and industries to pursue research on energy and climate change. The Centre also hosts visiting faculty, doctoral students, research scholars, and interns.

# **Ecology, Environment and Climate Change Research Cluster**

As part of the Interdisciplinary Programme initiative around Sustainable Systems and Living, the Ecology, Environment and Climate Change Research Cluster at Ahmedabad University helps foster a team-based, collaborative research programme in mission-driven fields, such as basic and applied ecology, environment, and climate studies. This Cluster, which focuses on semi-arid and arid landscapes of western India, encourages inter and trans-disciplinary research programmes. It also trains future—academics and policymakers so that they are comfortable and enthusiastic in pursuing planetary problems.

AHMEDABAD UNIVER

# CONTENTS

BIRDS OF PREY.....

WETLAND BIRDS.....

LAND FOWLS.....

PERCHING BIRDS.....21

NOCTURNAL BIRDS ......65

OTHER BIRDS.....71

INDEX ... 97

FIELD NOTES.....100

# Birds of Prey



# Shikra

#### **BIRDS OF PREY**

શકરો બાજ

The Shikra, not to be confused with Shakira, is a bird of prey belonging to the Accipitridae family - characterised by its strongly hooked bill.



# Oriental Honey Buzzard

#### **BIRDS OF PREY**

મધિયો બાજ

The Oriental Honey Buzzard is arguably a peculiar predator, known for raiding wasp and been nests to feed on the larvae over honey - hence, the peculiarity. English ornithologist Francis Willoughby, who named the species in 1600, found large clumps of wasps in the bird's nest, prompting the name.





#### **BIRDS OF PREY**

સમળી

The Black Kite is a commonly sighted predator and urban raptor. No, it isn't an eagle. Milvus Migrans Govinda, named after Lord Krishna, and Milvus Migrans Lineatus, the migratory Kite from Central Asia, are the two races of the species that are spotted around here.

4



# White Wagtail

#### WETLAND BIRDS

#### દેવાળી ઘોડો

The White Wagtail or the Diwali Ghodo in Gujarati is a species that is known to arrive right in time to celebrate and partake in the Diwali festivities.

#### WETLAND BIRDS

#### પીળકિયો

The Western Yellow Wagtail is speculated to be the athos (character) that Aristotle was talking about. In Greek mythology, Anthus - the son of Antinous and Hippodamia, was killed by his father's horses. He metamorphosed into a bird which imitated the neighing of horses but fled at their sight. The Western yellow wagtail has a high-pitched cry... coincidence? We think not.

Western Yellow Wagtail

#### WETLAND BIRDS

કાળી કાંકણસાર

Isn't it great that you don't need to drive down to Thol at 5 in the morning to spot the Red-Naped Ibis? You can spot this omnivore, munching on insects and other small vertebrates around campus.

# Red-Naped Ibis or Indian Black Ibis

#### WETLAND BIRDS

#### પીળીચાંચ ઢોંક

The Painted Stork is a near-threatened species, so be sure to spot it around campus and document the sightings. Characterised by its large trunk-like beak, the white head and a plethora of vibrant colours across its body justifies its name.

Painted Stork

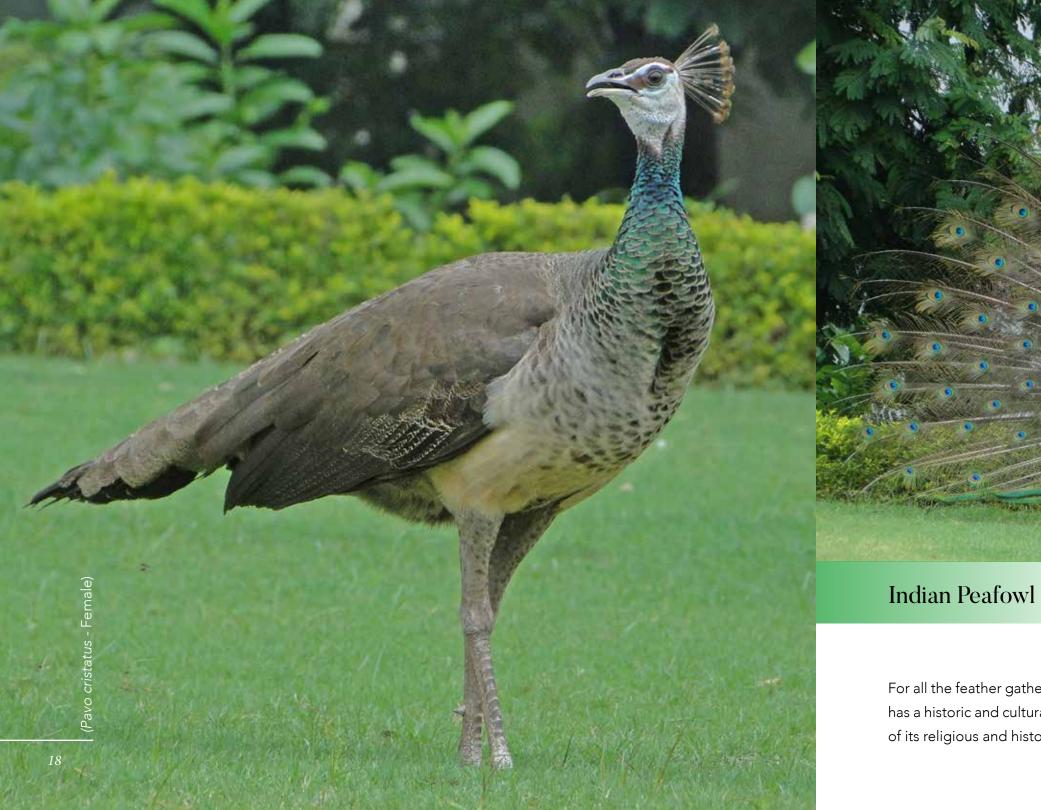
#### WETLAND BIRDS

ટીટોડી

The Red Wattled Lapwing can be spotted on the greens every evening. And no, they are not Mynas, they're vastly different owing to the red marking around its eyes and its red beak. Its loud call, if heard carefully, closely resembles the phrase "Did we do it?" as pointed out by eBirds.

Red-Wattled Lapwing







dian Peafowl LAND FOWLS

મોર

For all the feather gatherers, the Indian Peafowl sheds plenty all across campus. Interestingly, this species has a historic and cultural significance to our country, being declared the national bird in 1963 on account of its religious and historic association with our texts and our past.

## **Grey Francolin**

તેતર

#### LAND FOWLS

The Grey Francolin, or the Chicken Bird, can commonly be found on the cricket pitch at the East campus. Out of the three species found in Gujarat, this species is the most ubiquitous. It is called Tetar in Hindi and Gujarati on account of the sound it makes: Tee-tar! Tee-tar!

# Perching Birds



22

—— શ્વેતનયના/ બબુના

Don't allow yourself to be fooled by appearances, for the Indian White-Eye or Oriental White-Eye doesn't possess a white eyelid! However, the eye ring is clustered by white feathers.

#### PERCHING BIRDS

#### યાદી ફુત્કી

The Hume's Leaf Warbler is often heard but not easily seen. It is identified by its unique "chew-wee" call. Its birdsong is often compared to an insect's buzz, and it is often prone to long-distance roving. It is very similar to the Yellow-Browed Warbler and the Green Warbler, but is greyer and has colder tones with fewer shades of orange.

# Hume's Leaf Warbler

ઝાંખી લીલી કુત્કી

Another winter visitor to India is the Greenish Warbler. As the name suggests, it is greenish overall with a prominent supercilium.

Common Chiffchaff

Greenish Warbler

—— બદામી ફત્કી

PERCHING BIRDS

The Common Chiffchaff's name is, in fact, onomatopoeic, referencing the rather mechanical way in which it sings its two-note metronomic - "Chiff - Chaff!" "Chiff - Chaff!"

A winter visitor to India, the Sulphur-Bellied Warbler is characterised by grey-brown above and sulphur-yellow belly and a prominent yellow eyebrow.

#### PERCHING BIRDS

સીતા કુત્કી

The Booted Warbler, skittish as always, but managed to get a clear shot on a perch - typical.

Booted Warbler

In non-breeding plumage

🗕 લડાખી ફુત્કી

સાઈકસ કાંટ ફુલ્કી

Unlike the Booted Warbler, the Sykes's Warbler has a longer bill without a dark tip.

PERCHING BIRDS

તરવરીયો માખીમાર

The Grey-Headed Canary Flycatcher is an extremely noisy and active bird, like a canary.

Part of the acrobatic flycatcher family, it is known for catching insects on its wings

lduna rama,

Sykes's Warbler

Grey-Headed Canary Flycatcher

\_\_\_ પથરંગી શકકરખોરો

PERCHING BIRDS

Endemic to the Indian subcontinent, the Purple-Rumped Sunbird, as the name suggests, has a distinctive purple rump (hind part of the body) and throat, and white flanks (equivalent to the part between the ribs and hips).

Лаle

Purple-Rumped Sunbird

Female

શકકરખોરો

Like the Hummingbird, the Purple Sunbird is often found hovering over flowers, feeding on nectar. You can tell a breeding male apart on account of its glossy blue-black plumage.

Purple Sunbird

Male

#### જાડી યાંય ફૂલસુંઘણ

The Thick-Billed Flowerpecker is described by one online archive for birds as "unremarkable." We disagree. This species' pale vent, striped throat, and streaked underpants set it apart from other fruit-eating tree dwellers.

# Thick-Billed Flower Pecker

#### PERCHING BIRDS

પીળી ચાંચવાળી ફુલસુંઘણી

Identified by its pale and bulky curved beak, the Pale-Billed Flowerpecker, prefers a climate that is neither too hot nor too dry, and a habitat that is not high. Despite being endemic to the Indian subcontinent, it is extremely fond of the Singaporean Cherry Berries.

Pale-Billed Flower Pecker

દરજીડો

If you spot a nest that appears to have two leaves sewn together and then padded with cotton or grass, it belongs to the Common Tailorbird or the Cobbler Bird. You might remember them as Darzee from The Jungle Book.

Male

Common Tailorbird

#### PERCHING BIRDS

અદ્યરંગ

Named after the wife of Samuel Richard Tickell, who was born in Cuttack and served in the Bengal Native Infantry, the Tickell's Blue Flycatcher is a passerine from the flycatcher family. Samuel Richard Tickell made significant contributions to Indian ornithology through field observation and specimen collection.

irnis tickelli

Tickell's Blue Flycatcher

Female

#### PERCHING BIRDS

ચટકી માખીમાર

A beautiful and tiny bird, the Red-Breasted Flycatcher is distinguished by the red patch on its throat and chest. The rest of its underpart is white while the upper side and wings are a gorgeous bluish-grey.

Syornis tickel

The White-Spotted Fantail, or Spot-Breasted Fantail, is a small passerine bird found in southern and central Indian forests, farmlands, and parks. These birds build interesting compact cup-shaped nests, with each clutch nestling three eggs.

White-Spotted Fantail

0

નાચણ/ પંખો

The White-Browed Fantail, as the picture suggests, is characterised by a white-browed fan-shaped tail. It belongs to the passerine family and is largely found in the tropical regions.

White-Browed Fantail



An agile passerine bird, the Black-Naped Monarch is one of the 98 species of the Monarchidae family. Distinguished by its bright azure and black nape band, they are known to be sexually dimorphic - exhibiting structural differences.



#### PERCHING BIRDS

નીલપંખોપ

Black-Naped Monarch

The Common Iora belongs to the passerine family and is characterised by its loud calls and bright and colourful plumage. It is widely found across Asia.

Common Iora



# PERCHING BIRDS નીલકંઠી The Bluethroat, as you can see from the picture, possesses a distinctive blue throat, almost as if it has been painted on. An excellent mimic, it is known to answer the calls of other birds, while possessing a melodious originality of its own. Bluethroat

## PERCHING BIRDS

## બુલબુલ

The Red-Vented Bulbul is named thus owing to the red vent it conceals in its tail.

Red-Vented Bulbul





The Oriental Magpie Robin, known for its melodious song and popular as cagebirds when it was considered okay to cage birds many many years ago, is a fairly common Indian bird. It is also the national bird of Bangladesh.



## વન લેલું

The Jungle Babblers or the 'Seven Sisters' are always ready to babble and squabble up a storm, wherever a flock may venture! You never see just one but over six of them in a flock - hence the name. You almost always hear them coming from afar and they perpetually seem to be having way too much fun!

Jungle Babbler

(Sturnia pagodari

#### PERCHING BIRDS

બ્રહ્માણી કાબર

The Brahminy Starling has a noticeable plumage on the top of its head that resembles that of a Brahmin's head - hence, the name. Its binomial name, Sturnia pagodarum, is on account of the fact that it occurs on buildings and temple pagodas specifically in South India

Brahminy Starling

(Pastor roseu

#### PERCHING BIRDS

વૈયું

The Rosy Starling is another passerine bird. As the name suggests, they are distinctive on account of their pink bodies, and pale orange legs and bills. However, their appearance changes in the winters as their plumage becomes dull and their crests become shorter.

Rosy Starling

(Acridotheres ginginianu

#### PERCHING BIRDS

ઘોડા કાબર

The Bank Myna are found near banks - not the kind you think though! They're named so because of their preference for residing near river banks, definitely the more appropriate choice; who'd want to live near a money bank?

Bank Myna

#### PERCHING BIRDS

કાબર

The Common Myna is an omnivore that has adapted well to city life. It has the largest density on our campus, so you don't really need to keep your eyes peeled to spot them.

Common Myna

# Nocturnal Birds

The Indian Stone-Curlew or the Eurasian Thick-Knee is rightly named so on account of its short, thick bill, bull-headed appearance and swollen tibiotarsal joints (knees).

Indian Stone-Curlew/Eurasian Thick-Knee

.

NOCTURNAL BIRDS

ચિબરી

As the legend goes, if you spot a Spotted Owlet, you're about to be blessed, for it is believed to be Goddess Lakshmi's vehicle. If you want to seek them out in the hope of striking gold, look in tree hollows, cavities in rocks or buildings, and on branches, where they usually congregate in small groups.

Spotted Owlet

#### NOCTURNAL BIRDS

કંઠીલો ચુગ્ગડ

The Indian Scops Owl has prominent ear tufts and dark eyes with a thin black border around the facial disc and lightly streaked underparts. The nocturnal bird is a rare sight, but you could keep an ear out for its 'whup' sound while out in forests or gardens.

(Tayto alba)



Barn Owl

Indian Scops Owl

#### NOCTURNAL BIRDS

રેવીદેવી

If you ever hear high-pitched screeching in the dead of the night, it's most definitely a Barn Owl. The heart-shaped face of this bird makes them a symbol of love.



72

#### OTHER BIRDS

મોટો અબાબીલ



The Little Swift, as the name suggests, is a tiny bird with a wingspan of 33 cm. It can be identified by its plumage: black with a white throat and a rump patch that extends onto its flanks. They are city birds that build their nests in buildings and will often return to the same site and rebuild nests year after year.

Little Swift

#### OTHER BIRDS

ભેખડ અબાબીલ

Overall dark brown birds with pale and light underparts, the Dusky Crag-Martins are mostly spotted flying around buildings in tiny flocks. They are not quick fliers, however, unlike Barn Owls, they can wheel and loop with agility.

Dusky Crag Martin

નાનો પતરંગો

Curiously, the Asian Green Bee-Eaters are noted being capable of interpreting the behaviour observers. They possess the ability to predict not a human at a specific location could spot the results in the birds modifying their own behave their homes safe from detection.

#### OTHER BIRDS

#### કંસારો/ ટુકટુક

the Crimson-Breasted Barbet is characterised by its unique call that sounds like the tinkling sound produced by a coppersmith, which also inspires its name.

Coppersmith Barbet (Crimson -breasted Barbet)

Asian Green Bee-Eater

લાલપીઠ સોને ર્

લક્કડખોદ 🗕

# OTHER BIRDS heads while hunting to accurately judge the depth of their prey before diving into water bodies. They also close their eyes right before blind - brilliant, indeed! White-Throated Kingfisher



(Spilopelia senegalen

#### OTHER BIRDS

The Laughing
Dove, as the name
suggests sounds
like it's laughing
when it calls out.

Laughing Dove

# OTHER BIRDS The Spotted Dove originates from South China, Indonesia, and the Philippines, but has now migrated and spread throughout the world, including India. It is often spotted in Spotted Dove light forests, but is rather urbanised now as well.

dwell in rocks in the wild, but is now urbanised. provided employment opportunities to many who install the 'kabootar net' in homes and office spaces.

Common Collared Dove

Common Pigeon (Rock Dove)

OTHER BIRDS

The Common Collared Dove often

the depths of branches. Their calls are commonly mistaken for those of

a cuckoo's because they sound rather

સફેદપેટો કોશી

The White-Bellied Drongo, another member of the drongo family, is often mistaken for the Black Drongo when younger. As they mature, their belly and vent become distinctly white. They visit Gujarat during the winter and are endemic to Sri Lanka and India.

White-bellied Drongo

કાળિયો કોશી

The Black Drongo, also known as the King Crow, is quite the fighter and will pick up a fight with any bird that enters its territory even if the latter is larger.

#### OTHER BIRDS

રાખોડી કોષી

If you spot a bird aggressively chasing other species away in search of food, it is undoubtedly the Ashy Drongo. This slim, medium-sized bird of the Dicrurudae family is identified by its crimson eyes and is mostly dark grey in colour. They aren't very good mimics of other bird calls, but that doesn't stop them from trying!



Ashy Drongo

Black Drongo

સુરપાણનો પોપટ

The Alexandrine Parakeet was actually named after Alexander the Great. The particular species has been prized by royalty and nobles, so keep an eye out for them. They might also swoop down to munch on your fruits; they love them!

male (above), female (below)

Rose-Ringed Parakeet

Alexandrine Parakeet



મપૈંચો

The Common Hawk Cuckoo or the Brainfever Bird is a medium-sized cuckoo bird, often mistaken fo the shikra on account of its visual resemblance as well as its style of flight and landing.

Common Hawk Cuckoo or Brainfever Bird





કુંભારીયો/ ઘોયરો

The Greater Coucal is a carnivore or more appropriately an insectivore and can often be spotted munching on caterpillars, snails, and small vertebrates such as saw-scaled vipers. They also eat bird eggs, nestlings, fruits, and seeds. They resemble crows, even though they belong to the cuckoo family and are, in fact, a cross between a crow and a pheasant.



#### કાગડો

The House Crow is an extremely opportunistic eater and will feed on practically anything that is edible.

# House Crow

#### OTHER BIRDS

### જંગલી કાગડો/ ગિરનારી કાગડો

Unlike the House Crow which has a grey neck, the Indian Jungle Crow or Large-Billed Crow is jet black through and through. As far as food is concerned, it is always the crows that mob the raptors.

Indian Jungle Crow or Large-Billed Crow



ચિલોત્રો

Look carefully enough and you will see an Indian Grey Hornbill on campus. Interestingly, the females seal themselves with the nest in cavities of trees while incubating eggs and only leave a small opening through which the males can feed her. The nest are only broken when the chicks are ready to fly.

# (Ocyceros birostris)

#### **INDEX**

#### **BIRDS OF PREY**

Shikra, શકરો બાજ Booted Eagle, પરદેશી સાશાંગર/ શિયાળૂ સાશાંગર Oriental Honey Buzzard, મધિયો બાજ

Black Kite, સમળી

#### WETLAND BIRDS

White Wagtail, દિવાળી ઘોડો Western Yellow Wagtail, પીળકિયો Cattle Egret, હોર બગલો Red-Naped Ibis, કાળી કાંકણસાર Painted Stork, પીળીયાંય હોંક Red-Wattled Lapwing, ટીટોડી

#### LAND FOWLS

Grey Francolin, તેતર Indian Peafowl, મોર, ઢેલ

#### PERCHING BIRDS

Indian White-Eye, શ્વેતનયના/ બબુના Hume's Leaf Warbler, સાદી ફુત્કી Greenish Warbler, ઝાંખી લીલી ફુત્કી Common Chiffchaff, બદામી ફુત્કી Sulphur-Bellied Warbler, લડાખી ફુત્કી Booted Warbler, સીતા ફુત્કી Sykes's Warbler, સાઈક્સ કાંટ ફુત્કી Grey-Headed Canary Flycatcher, તરવરીયો માખીમાર Purple-Rumped Sunbird, પચરંગી શકકરખોરો

Thick-Billed Flower Pecker. જાડીયાંચ કૂલસૂંઘણી Pale-billed Flowerpecker, પીળીચાંચ કૂલસૂંઘણી Common Tailorbird, E2895ì Tickell's Blue Flycatcher, અધરંગ Red-Breasted Flycatcher, ચટકી માખીમાર White Spotted Fantail, ટપકીલી નાચણ White-Browed Fantail, નાચણ/ પંખો Black-Naped Monarch, નીલપંખોપ House Sparrow, ચકલી Common Iora, શોબીગી Indian Silverbill, ટપુસીયું Ashy Prinia, ફડકફૂતકી Bluethroat, નીલકંઠી Red-Vented Bulbul, બુલબુલ Black Redstart, થરથરો Indian Robin, દેવચકલી/ કાળીદેવ Oriental Magpie Robin, ਵੈਪS Indian Golden Oriole, นใดร Jungle Babbler, વન લેલું Brahminy Starling, બ્રહ્માણી કાબર Rosy Starling, વૈયું Bank Myna, ઘોડા કાબર

#### NOCTURNAL BIRDS

Common Myna, કાબર

Indian Stone-Curlew, ચકવો Spotted Owlet, ચિબરી Indian Scops Owl, Barn Owl, રેવીદેવી

#### OTHER BIRDS

Little Swift, મોટો અબાબીલ Dusky Crag Martin, નાની અબાલી Asian Green Bee-eater, નાનો પતરંગો Coppersmith Barbet, કંસારો/ ટ્રકટ્રક White-Throated Kingfisher, સફેદ છાતી કલકલિયો Black-Rumped Flameback, લાલપીઠ સોનેરી લકકડખોદ Laughing Dove. હોલી Spotted Dove, તલિયો હોલો Common Collared Dove. હોલો Common Pigeon, કબ્તર/ પારેવ Yellow-Footed Green Pigeon, હરિયલ White-Bellied Drongo, સફેદપેટો કોશી Black Drongo, કાળિયો કોશી Ashy Drongo. રાખોડી કોષી Rose-Ringed Parakeet, viv2 Alexandrine Parakeet, સુરપાણનો પોપટ Common Hawk Cuckoo. બપૈયો Asian Koel કોયલ Greater Coucal, કુંભારીયો/ ઘોયરો Rufous Treepie, ખેરખટ્રો House Crow. SIPIS Indian Jungle Crow, જંગલી કાગડો/ ગિરનારી કાગડો Indian Grey Hornbill, ચિલોત્રો

97

# Field Notes



## Field Notes

# Field Notes



## Field Notes



