

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(An Autonomous College of University of Mysore, Re-accredited by NAAC with 'A' Grade)
Ooty Road, Mysuru-570025, Karnataka

A REPORT SUBMITTED TO
THE DEPARTMENT OF ENVIRONMENTAL STUDIES

SUBMITTED BY:

Name: DEEPU N

Programme:BA(HE)

Year/Sem:I Year /II Sem

JSS CACS, Mysuru-25



JSS MAHAVIDYAPEETHA
JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

Autonomous, 'A' Grade and 'College with Potential for Excellence'

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CERTIFICATE

It is hereby certified that Mr/Ms Deepu N of BA(HE) has undergone and completed field visit of ZOO in Mysuru, as part of the curriculum in the course Environmental Studies in SECOND Semester of the year 2022-2023

Leela Srinivas
Principal
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As a part of the syllabus and the academic curriculum, a field trip was organized by the department of Environmental Studies to “Sri Chamarajendra zoological garden “Mysore to appreciate the students about the native and exotic animal species which are conserved outside the habitats and to develop concern and importance about the animals and to develop ecological awareness among the students.

Aim of the field visit:

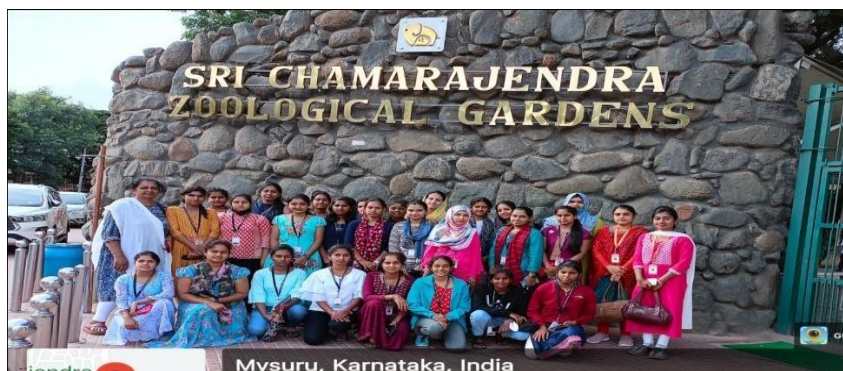
- To acquaint the students about the importance of conservation of animal species.
- To familiarize the students with the exotic and rare animal species.
- To observe the habitat verities, identification, differentiation in the same species if the animals.

The students of Environmental Studies accompanied by two faculties members surveyed the zoological garden to familiarize the students with the native and rare exotic species.

It was a sunny day, we visited to Mysore zoo “Sri Chamarajendra zoological garden a popular attraction in Mysore and it is the oldest zoo in India ,established in 1892.It is widespread about 157 acres of land and consist of about 1450 animal species and 168 bird species belonging to more than 25 countries.

The special feature of the Chamarajendra zoological garden is the meticulous planning in which all the species are living in their natural habitat without any cages or barricades.

The zoological garden is designed on modern lines and enclosures for animals are provided using moats. In the zoological garden the animals are conserved outside the natural habitats by perpetuating the sample animal population but in this zoological garden the animals are conserved in their natural habitats with more space i.e. it is both in situ and ex-situ conservation.



Karanji lake is also a part of the zoo .The main objective and mission of the zoo is to educate the people about the importance of conservation of animal species, breeding of endangered species, research, documentation and study of animals. Inspiring the people to conserve save and appreciate wildlife and to rehabilitate and rescue birds and animals.

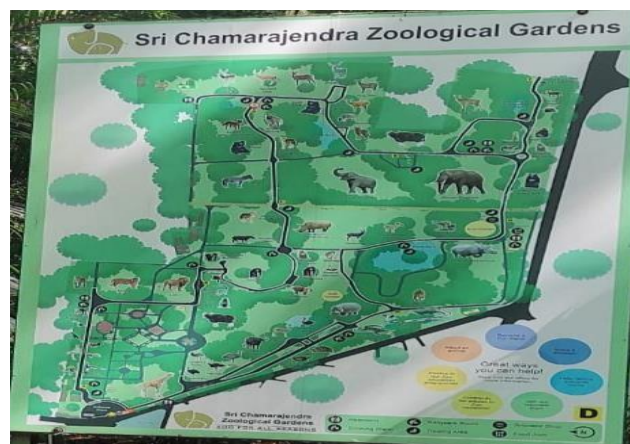
The zoological garden has a massive aviary .A bridge is made right in the centre of the aviary to enable the visitors to walk through the bridge and watch the birds closely.

Apart from exhibiting animals the zoological garden also has an aquarium and museum .The zoo museum exhibit stuffed animals .The zoological garden has its own library and a veterinary hospital.



We started surveying the zoo along with the faculties who guided us all about facts, physical features, natural diet, habitat, zoo diet, lifespan, gestation period ,morphological differentiation among the varieties of animals belonging to same genus.

At 2:00 pm we started our survey from the terrestrial birds and came across with different animal species.



AVES

Terrestrial birds

1) Red billed toucan

Family: Ramphastidae

Scientific name: *Ramphastos toucanus*

Distribution: eastern Venezuela, Brazil

Habitat: Rain forest canopies

Physical feature: 50 to 60 cm in length with large red bill.

Breeding: Lays 2-3 eggs in deep cavity of trees

Life span: 12 to 20 years

Natural diet: Flowers, fruits, beetles, lizards, caterpillars

Conservation status: Vulnerable



2) Eclectus parrot

Family: Psittaculidae

Scientific name: *Eclectus rotates*

Distribution: Cape York, peninsula, Massey creek

Habitat: Canopy of rain forest, eucalyptus woodland

Physical features: Bright green body with yellow ting on the head, Creamy yellow tail, red wings.

Breeding: lays 2 Eggs, brood for 26 days

Life span: 30 years

Natural diet: Fruits, flowers, vegetables, berries.

Conservation status: Least concerned



3) Sulphur crested Cockatoo

Family: Cactuidae

Scientific name: *Cactua galerita*

Distribution: New Guinea, Australia.

Habitat: Lowland forest, woodland

Physical features: 14 cm long bright yellow crest bright yellow tail, beak & legs black.

Breeding: lays 1-4 eggs, brood for 30 days



Life span: 20-40 years

Natural diet: Fruits, vegetables, seeds, berries.

Zoo diet: Fruits, vegetables, seeds, bread, grains.

Conservation status: Least concern

4) Grey jungle fowl

Family: Phasianidae

Scientific name: *Gallus*

Distribution: Endemic to India

Habitat: Deciduous forest, villages

Physical features: 38-75 cm in length, greyish plumage, red comb, brown wings.

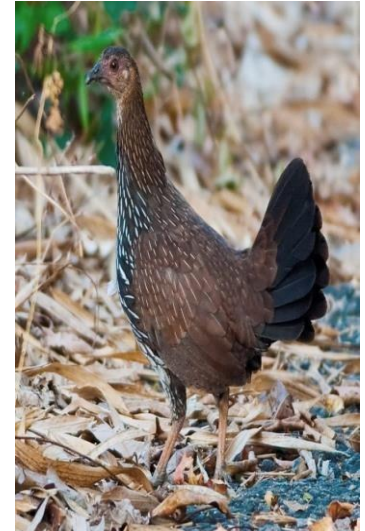
Breeding: 5-6 pale creamy eggs, incubates for 21 days

Life span: 12 years

Natural diet: Insects and worms

Zoo diet: Mixed grains, fruits, sunflower seeds.

Conservation status: Least concern



5) Plum headed parakeet

Family: Psittaculidae

Scientific name: *Psittacula cyanocephala*

Distribution: Foothills of Himalaya, south of Srilanka

Habitat: Forest woodlands

Physical features: Red or brown head, purplish colour on the nape and cheeks up to 33cm long.

Breeding: 4-6 white and eggs incubates for 23 days

Life span: 20 years

Natural diet: Fruits and seeds

Zoo diet: high quality seeds, millet mix, fruits, vegetables.

Conservation status: Least concern



6) Military macaw

Family: Psittacidae

Scientific name: *Ara militaris*

Distribution: Forest of Mexico & South America

Habitat: Forest, wooded foothills, canyons.

Physical features: Blue & green with a paler shade of green on their head, tail is red.

Breeding: 1-2 eggs incubate for 26-28 days

Life Span: 50-60 years

Natural diet: Fruits, vegetable, sunflower seeds.

Zoo diet: Groundnut, sprouts, Dried fruits, sugarcane, corn.

Conservation status: Vulnerable



7) Silver pheasant

Family : Phasianidae

Scientific name: *Lophura nycthemera*

Distribution : Mountains of southeast Asia

Habitat: Mountains, grassland, forest

Physical features: Black and white in colour, bare red face, red legs.

Breeding: lays 6-9 eggs, incubate for 24-25 days

Life span: 15-20 years

Diet: seeds, plants, insects, worms



8) Red and green macaw

Family : Psittacidae

Scientific name: *Ara chloropterus*

Distribution : Northern and central America

Habitat: forest and woodlands

Physical features : Breast of the both birds are bright red, upper wing is green and 90-95 cm in size

Breeding: 2 to 4 white eggs, incubate for 24 to 25 days



Life span :50 years

Diet :seeds, nuts ,fruits,flowers,clay licks, leaves

Conservation status: Least concern

9) Blue gold macaw

Family :Psittacidae

Scientific name : *Ara ararauna*

Distribution :Colombia ,peru,brazil,Bolivia

Habitat: Forest ,woodlands

Physical features :Blue top parts, light orange under part with green hues on top of head

Breeding: lays 2-4 eggs incubate for 23 to 27 days

Life span :65-70 years

Diet : seeds,fruits,nuts,carrot,pea,corn,spinach.

status: Least concern



Conservation

10) Dusky lory

Family :Psittaculidae

Scientific name : *Pseudeos fuscata*

Distribution :Guinea,indonesai,papua

Habitat:Island,Forest,offshore

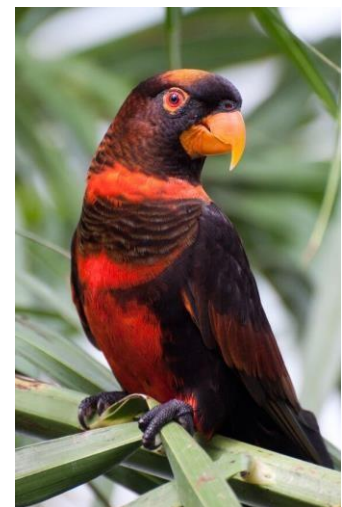
Physical features :brown ,whitish back, beak is dark orange, orange skin on the base of mandible

Breeding :lays 2 white eggs ,incubate for 24 days

Life span :28 years

Diet :fruits, seeds, buds, nectar, grain, pollen

Conservation status :Least concern



11) Rainbow lorikeet

Family : Psittaculidae

Scientific name: *Trichoglossus moluccanus*

Distribution : Australia, eastern seaboard

Habitat: Rain forest, woodland, coastal bush

Physical features: Head is deep blue, yellow collar
rest of the upper part are green, rump is green

Breeding: 1-3 eggs/clutch.

Life span: 25-35 years

Diet: insects, larvae, pollen, seeds, blossoms

Conservation status: Least concern



12) Tawny eagle

Family: Accipitridae

Scientific name : *Aquila rapax*

Distribution : Europe ,Africa ,Asia

Habitat : Open woodlands & dry lands

Physical features : Long neck, short wings, upper
parts are tawny, flight feathers & tail are black

Breeding : 1-3 eggs/clutch, incubation-males

Life span : 40 years

Diet : rodents, carrion, minced meat ,small birds

Conservation status : Least concern



13) Great Indian horn bill

Family: Bucerotida

Scientific name: *Buceros bicornis*

Distribution: Western Ghats of India, Bhutan, Nepal

Habitat: Wet evergreen, mixed deciduous forest

Physical features : Bright yellow, black casque on
top of its massive bill

Breeding : 4-5 eggs/clutch

Lifespan : 50 years



Diet :Fruits,figs,insects,small animals

Conservation status :Vulnerable

14) Sun conure

Family: Psittacidae

Scientific name :*Aratinga solstitialis*

Distribution :Guyana, Surinam, Brazil

Habitat :Savanna woodlands, coastal forests

Physical features: Bright orange yellow colour
black beak, white rings around eye ,tapering tail

Breeding :3-4 eggs /clutch

Lifespan :25 years

Diet :fruits ,grains,sugarcane,groundnut,garlic,paddy

Conservation status :Endangered



15) Budgerigar

Family :Psittaculidae

Scientific name: *Melopsittacus undulatus*

Distribution :Australia, Florida

Habitat :Scrublands, woodlands, grasslands

Physical features :Light green body, pitch black
mantle markings in yellow undulation.

Breeding: 4 -8 eggs, incubates for 23 days

Lifespan: 5 -8 years

Diet: seeds, fruits, berries, vegetables

Conservation status: Least concern



16) **Livingstone turaco**

Family :Musophagidae

Scientific name :*Tauraco livingstonii*

Distribution :Africa, butandii, Malawi

Habitat :Mountain, coastal forests

Physical features: Medium sized with long tail & short rounded wings, red eye with white outline

Breeding :4-5 eggs /clutch

Lifespan :30 years

Diet :papaya, pear, grapes, apple, banana, melons

Conservation status :Least concern

