

Nature Science Internship Programme (NSIP)

DIVINE ENGLISH SCHOOL
YESHWANTHPUR, BANGALORE - 22

INTRODUCTION

Our teams :

Team Terra – Studying the terrestrial area of JP park.

Team Misty – Studying JP park's lake.



TEAM MEMBERS

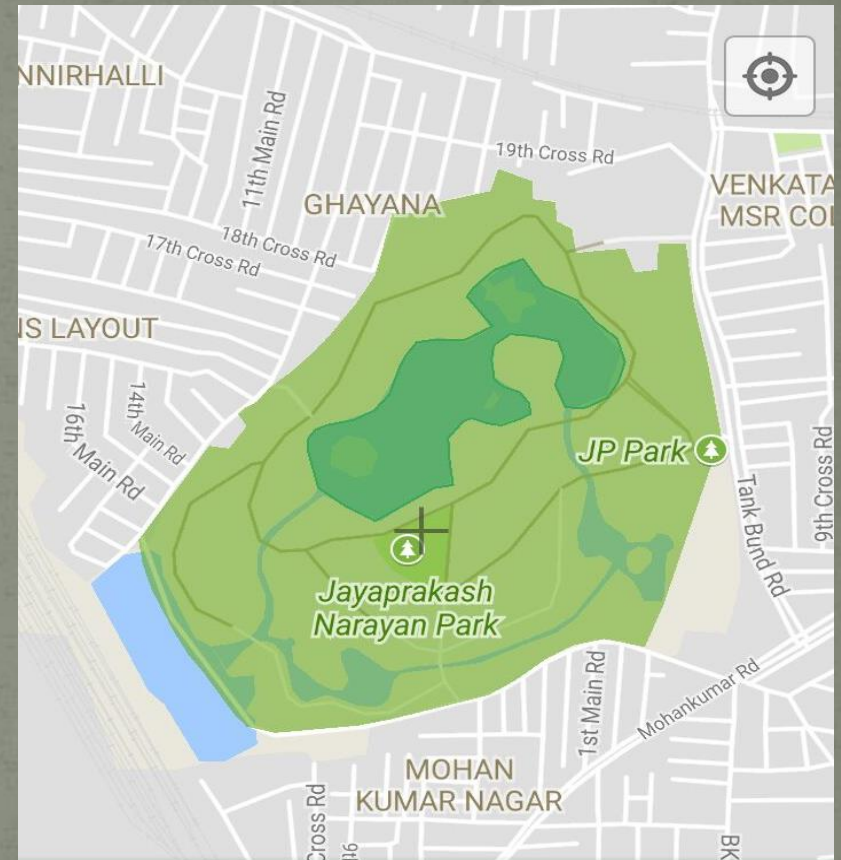
TERRA

- VAISHNAVI Class 10
- PALLAVI Class 10
- RADHIKA Class 10
- KEERTHANA Class 10
- SHREYA RAO Class 8

MISTY

- JAYASHREE Class 10
- kushalashree Class 9
- RISHAB Class 9
- HITEN Class 8
- AFSHA Class 8

STUDY AREA AND MAPPING

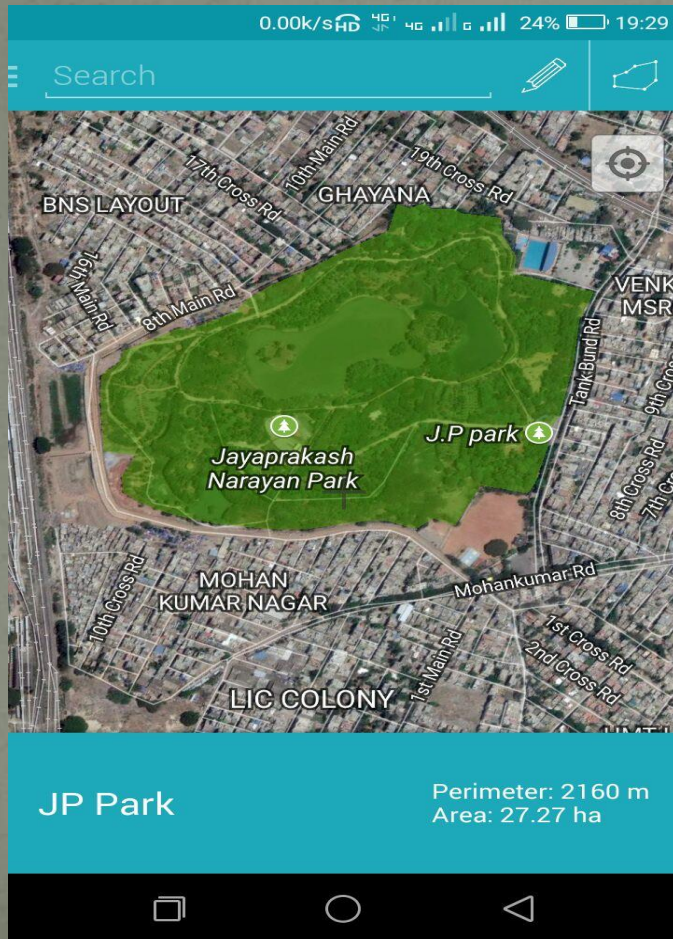


JP park

Perimeter: 2035 m
Area: 29.08 ha

MAPPING OF PARK AND LAKE

- MAP OF PARK



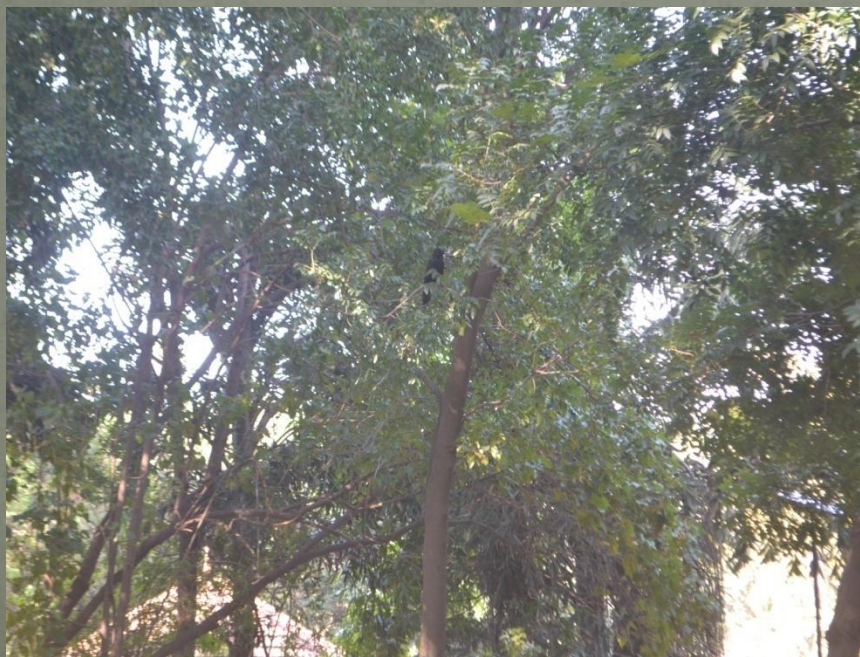
- MAP OF LAKE



Location of sighting of birds

- We were able to locate few species of birds – few were visible and few were identified by their calls.







Names of the birds observed

- House crow
- Jungle crow
- Blue rock pigeon
- Common Myna
- House Sparrow
- Greater Coucal
- Indian Pond Heron
- Purple Moor Hen
- Ashy Prinia
- Black Kite
- Rose Ringed Parakeet
- Heron
- Spotted Dove
- Jungle M



Location of sighting of butterflies

- We were able to locate more than 20 species of butterflies.









Names of butterflies spotted

- Common Bush Brown
- Common Grass Yellow
- Common Castor
- Common Three Ring
- Common Indian Crow
- Crimson Rose
- Common Evening Brown
- Baronet
- Common Emigrant
- Psyche
- Tailed Jay
- Chocolate Pansy
- Common Gull
- Mottled Emigrant
- Pioneer
- Striped Tiger
- Lemon Pansy
- Common Jay

FEW OF THE MOTHS OBSERVED

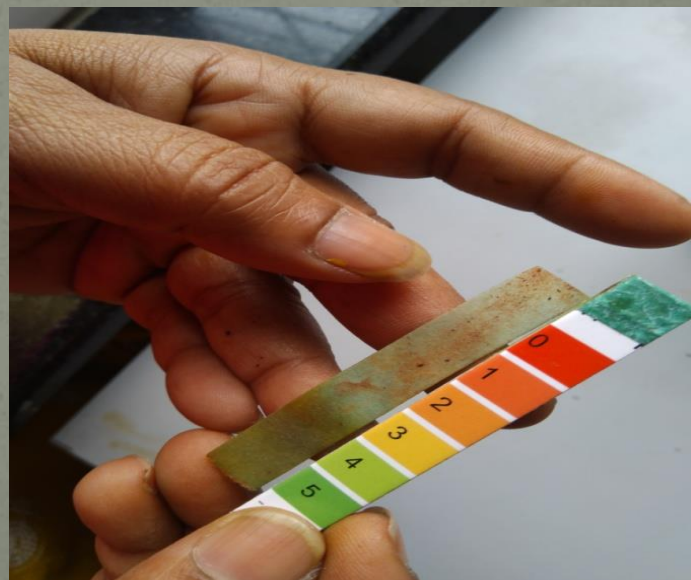


STORY OF SAND

- Our students took the sample of sand from the Honge Vanna of J P Park.
- These are our students at work place.
- Weight of the soil was approximately 200 gms.
- Colour of the soil was slightly blackish brown.
- There were some organic components in the soil like roots, grass, and dried leaves.
- By examining the texture of the soil it was found to be medium coarse soil.
- The soil pH was 4-5 indicating that it was acidic.







TREE STUDY

- Each of our student studied and observed a tree at the study area.
- They measured the height and the girth of the trees.
- They even found out the dependents on those trees.
- They were able to find even the texture of the bark by taking its impression on the paper by using crayons.
- Trees under study are documented by each of them .
- These are our students at their work place.



Trees study



Water Conservation

Created awareness among students by Theme act.



RAIN WATER HARVESTING

- Theme act was enacted with rain water harvesting as its theme.
- Message of water conservation was conveyed to the students.
- Even our school has adopted rain water harvesting.
- Water for the whole school is got by this process.

ENERGY CONSUMPTION

- Our NSIP students took the initiative to keep a track of energy consumption in the school premises.
- They have taken the reading of the electricity bills.
- It was Rs 8295 in the month of July.
- Rs 11032 in the month of August.
- Rs 9869 in the month of September.
- Students are going round the school premises every day in lunch break and after the school hours to make sure that there is no wastage of electricity at school.

Electricity Emission Factor

- Total amount of the bill for three months Rs 29196
- Therefore average for an year will be Rs 116784.
- Total units of electricity consumed = total bill amount per year ÷ rate of electricity in Bangalore.
- $116784 \div 4.45 = 26243.59 \text{ kWh}$.
- Electricity Emission factor Kg of CO_{2e}/Kwh = 1.56.
- $26243.59 \times 1.56 = 40940.0004$ in Kgs.
- = 40.94 in tons of CO_{2e}.

THANK YOU