



COLLEGE OF COMPUTING AND INFORMATION SCIENCES
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TREE CONSERVATION REPORT

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1 Introduction

With the rampant rate of deforestation worldwide, the need to conserve trees that are a habitat to wildlife is key. A report has therefore been formulated to collect the species of birds that are in danger of extinction due to destruction of their natural habitats.

2 Data Form

This form will be able used to collect data on the trees, their condition and in the end, they can be used get a clear picture of how best we can be able to retain bird species.

2.1 English name of tree

This field will basically collect the name of the tree as is it commonly known in English.

2.2 Botanical name of the tree

This entry accepts the botanical name of the tree, that is, to specify the family and the species it belongs to.

2.3 Tree Condition

This will identify the condition of the tree, if it is in good condition or in a bad condition that may lead to its destruction.

2.4 Input GPS location of study

This will accept the location where the observation is being collected from.

2.5 Does tree have a nest?

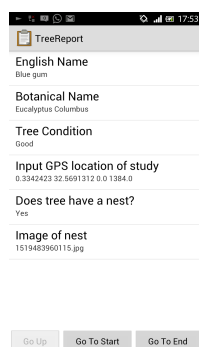
This mandatory field will be an indicator of bird-life inhabiting the tree, accepting Yes/No values.

2.5.1 Image of nest

This field will be prompted only if one selects the Yes field in the previous field. It accepts the picture of the nest.

3 Sample of data

Added for your viewing convenience is an example of the data collected.



The screenshot shows a mobile application interface with a status bar at the top displaying signal strength, Wi-Fi, and the time 17:53. The app title is "TreeReport". The form contains the following fields:

- English Name:** Blue gum
- Botanical Name:** Eucalyptus Columbus
- Tree Condition:** Good
- Input GPS location of study:** 6.3945423 32.5691312 0.0 1294.0
- Does tree have a nest?:** Yes
- Image of nest:** 1519483960115.jpg

At the bottom, there are three buttons: "Go Up", "Go To Start", and "Go To End".