

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI**



**A MINI PROJECT REPORT ON
BIRD WATCHER'S APPLICATION**

Submitted By

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Under the Guidance of

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOOBBIDRI-574225, KARNATAKA
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that, the Mini Project entitled “**Bird Watcher’s Application**” for the subject code **21CSMP67** has been successfully completed and the report submitted by **Shahir Bilagi (4AL21CS133)** during the academic year 2023– 2024.

It is certified that all corrections/suggestions indicated presentation session have been incorporated into the report and scored 81 Marks out of 100.

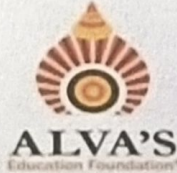
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CERTIFICATE

This is to certify that, the Mini Project entitled “**Bird Watcher’s Application**” for the subject code **21CSMP67** has been successfully completed and the report submitted by **Shetty Yash Chandrashekar (4AL21CS139)** during the academic year 2023– 2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated into the report and scored 87 Marks out of 100.

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CERTIFICATE

This is to certify that, the Mini Project entitled "**Bird Watcher's Application**" for the subject code **21CSMP67** has been successfully completed and the report submitted by **Shubhanga CS (4AL21CS149)** during the academic year 2023– 2024.

It is certified that all corrections/suggestions indicating the presentation session have been incorporated into the report and scored 89 Marks out of 100.

A handwritten signature in black ink, appearing to read "Deeksha M", is written over a horizontal line.

Mrs. Deeksha M

Sr. Assistant Professor

ABSTRACT

This report outlines the design and functionality of a bird watcher's application, developed to aid enthusiasts in identifying and learning about various bird species. The application offers a user-friendly interface and several search functionalities to streamline the bird identification process. Upon launching the application, users can log in if they are already registered or register a new account if they are first-time users. Additionally, there is an option for users who have forgotten their passwords to recover access to their accounts. This ensures a smooth entry into the application for all users. Once logged in, users have two primary search options: Direct Search and Advanced Search. The Direct Search option allows users to input the name of a bird directly. Upon doing so, the application displays detailed information about the specified bird. This feature is particularly useful for users who already know the name of the bird they are interested in. For users who do not know the bird's name, the Advanced Search feature guides them through a more detailed search process. This includes selecting from nine size categories (Sparrow, Sparrow+, Myna-, Myna, Myna+, Myna++, Crow, Eagle-, Eagle++). Following the size selection, users can further narrow down their search by selecting the bird's major colour, minor colour, beak type, and foot type. This sequential filtering process helps users to progressively refine their search criteria, ultimately leading to the display of a detailed bird description. The application is designed to be a comprehensive tool for bird watchers, providing them with accurate and easily accessible information to enhance their bird-watching experience. The intuitive design and multiple search functionalities ensure that users can efficiently identify and learn about birds, whether they know the bird's name or only its physical characteristics. This makes the application a valuable resource for both novice and experienced bird watchers.