**DIGITAL NATURALIST- ALENABLED TOOL FOR**

**BIODIVERSITY RESEARCHERS**

**ABSTRACT**

The project aims to create an application for the hikers to identify rare species of birds, flowers, mammals by giving a picture taken by them. A naturalist Is someone who studies the patterns of nature, identifies a different kind of flora and fauna in nature. Being able to identify the flora and fauna around us often leads to an interest in protecting wild spaces, and collecting and sharing information about the species we see on our travels is very useful for conservation group like NCC. When venturing into the woods, field naturalist usually rely on common approaches like always carrying a guidebook around everywhere or seeking help from experience ornithologists. There should be a handy tool for them t capture, identify and share the outside world.

Filed naturalists can only use this web app from anywhere to identify the birds, flowers, mammals and other species they see on their hikes, canoe trips and other excursions. In this project, creating a web application which uses a deep learning model, trained on different species of birds, flowers, mammals and get the predication of the bird when an image is been given