MINI PROJECT - II

**(2020-2021)**

**SYNOPSIS**

**Animal Husbandry**

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**Introduction**

“Loving your pet as you do” is the motto keeping which in our mind we developed this project. The function of our app exactly resembles its name “Animal Husbandry”. This app gives you all information related to your Pet; having a System which can detect your Pet by Image and provide information to you on how to take care of your pets and at the same time it will also make you aware of what common disease can happen to your pet.

The concept of self-determining has not been new for our technologically advancing society. This system is a computer program when provided with inputs in Images and it predicts results.

We’ve tried to develop this simple yet very useful app over this concept, this app will prove to be helpful to many new pet owners who have no one to guide them.

**Existing System**

**Animal husbandry** is the branch of agriculture concerned with animals that are raised for meat, fibre, milk, eggs, or other products. It includes day-to-day care, selective breeding and the raising of livestock. Husbandry has a long history, starting with the Neolithic revolution when animals were first domesticated, from around 13,000 BC onwards, antedating farming of the first crops. By the time of early civilisations such as ancient Egypt, cattle, sheep, goats and pigs were being raised on farms

Most livestock are herbivores, except for pigs and chickens which are omnivores. Ruminants like cattle and sheep are adapted to feed on grass; they can forage outdoors, or may be fed entirely or in part on rations richer in energy and protein, such as pelleted cereals. Pigs and poultry cannot digest the cellulose in forage, and require other high-protein foods.

**Use of Project**

Our project will help the user in the proper management of their pets by providing them proper advice on what to give them to eat, shelter, and protection against diseases to domestic animals. It helps in developing high-yielding breeds of animals by crossbreeding. This increases the production of various food products such as milk, eggs, meat, etc.

**Idea**

With the rise in population, the demand for food, milk, eggs, and meat rises. Therefore, there has to be some process to increase the production of these food items to meet the rising requirements. Animal husbandry is essential to manage this gap between demand and supply. That’s why we decide to make an app that will guide the people about this.

**Software Specifications:**

* **Technology Implemented - Machine Learning**
* **IDE Used - Visual Studio Code 2020**

**Hardware Specifications:**

* **Processor - i5**
* **Ram Size - 8 GB**
* **Type of OS - Windows 10 Home**
* **Storage Required - Stored in Github**

**Future Scope**

Animal husbandry helps in the proper management of animals by providing proper food, shelter, and protection against diseases to domestic animals. It helps in developing high-yielding breeds of animals by crossbreeding. This increases the production of various food products such as milk, eggs, meat, etc. Animals are used for tillage, providing manure to agriculture and in return, animals can get crop residues as feed, care, and shelter by the owner.

In today’s digital world it’s very beneficial to provide information about animal husbandry on an online platform that is accessible to everyone just at their fingertips. It saves a lot of time for people.  People have to visit or meet to the expertise of this field which consumes their crucial time. But now, an individual only just have to visit a website and get information related to their pet up to a certain limit.