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Animal Rescue Application using Android Studio

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ABSTRACT: The purpose of this application is to bring proper co-ordination between all sorts of animal shelters, animal rehabilitation centres, animal health care centres and NGOs with the help of computerized equipment and full-fledged android application, fulfilling their requirements, so that their valuable time and resource is saved by providing them with all the needed information and help. The required software and hardware are easily available and straightforward to figure with.

Animal Rescue Application, as described above, can lead to an error-free, secure, reliable, and fast rescue system. It can assist the user to acquire assistance to reach out help as efficiently as possible. [6] Thus, it'll help organizations in better utilization of resources. It is possible for organizations to maintain co-ordination among themselves. In other words, user does not have to be distracted by irrelevant information in order to succeed in their task. [1]

The project is developed with the objective of making the application reliable, easier, faster, and more informative. Basically, the project describes the way to manage animals and people thrive together by partnering with local communities, governments, non-governmental organizations, and businesses. Together, we pioneer new and innovative ways to help all species flourish.

KEYWORDS: Animal Rescue Application, Rescue System, Full-Fledged Android Application, Adoption, Animal Shelters.

I. INTRODUCTION

An Animal Rescue Application is the application where all the aspects related to the proper animal rescue and rehabilitation are done. These aspects involve managing rescued injured and orphaned animals and rehabilitate them until they are able to survive in the wild on their own or get adopted etc. This system provides an efficient way of managing information amongst organisations. Also allows the user to freely voluntary. [3]

This project just does not help in rescuing animals it also promotes Adoption. The first activity is based encouraging the user to adopt instead of buying. Animal adoption in India is usually done by purchasing dogs/cats from pet shop or buying from the people whose pets have delivered babies. There are very few people who adopt stray animals. There are 64 lakhs of domestic animals are taken in animal shelters worldwide yearly out of which 25 lakhs are euthanized. [4] So, the number of euthanized animals can be reduced if people adopt pets instead of purchasing them from pet shops. The dog catchers in India behave violently with dogs which is something we need to change. This project is an Android app for people to be more aware of the stray animals awaiting to get adopted around India.

This project is to produce a user-friendly environment that creates co-ordination amongst the local communities, governments, non-governmental organizations, and businesses. The users will consume less time in searching for help and would encourage the user to help those in need. The project is going to be user-friendly and straightforward to use.

II. LITERATURE SURVEY

Welfare Implications of Tail Docking-Dogs

JANUARY 29, 2013

Author: American Veterinary Medical Association Animal Welfare Division



Some dog breed standards and traditions specify or allow the amputation of part of a dog's tail. In the United States the tails of dogs belonging to certain breeds are often docked, in both working and pet situations. Although cosmetic surgery is generally not allowed to be performed on show dogs, tail docking is an exception for breeds in which this is customary. [3]

Welfare Implications of The Use of Electro-Muscular Disruptive Devices or TASER (R) Devices on Animals

July 26, 2010

Author: American Veterinary Medical Association Animal Welfare Division

Abstract: The 26-watt current delivered by the ADVANCED TASER® M26 electronic control devices causes uncontrollable muscle contraction and overwhelming pain that incapacitates the subject. The ADVANCED TASER® M26 electronic control device delivers a sequence of pulses, each having a peak amplitude of about 18 amps and a duration of about 11 microseconds. The peak voltage output of the device is as high as 50,000 volts. The weapon can be turned off before the end of the five-second default period. The barbs of the weapon are expelled on 21-foot-long copper wires and attach to the subject's skin. The barbs remain attached until they are removed. This allows further electrical discharges to be delivered via the copper wires should the subject resume non-compliant and/or threatening behavior. The cartridge that fires the weapon can be detached, which allows the weapon to be used in close quarters. In this case the barbs are not fired from the weapon but are placed in contact with the subject by the bearer of the weapon. The weapon still transmits electrical discharges to the subject when used in this manner. [5]

III. MOTIVATION

Organization can easily manage their time and resource using this application. We envision a world where humans and animals coexist in sustainable ecosystems wherein building awareness and implementing effective systems to protect animals and their environment is our mission. We embrace, above all, kindness, respect, compassion, awareness and integrity in all aspects of our mission and vision for a world where humans and animals coexist in sustainable ecosystems.

With an aim to minimise animal suffering and reduce human-animal conflict by providing emergency animal rescue, rehabilitation, medical aid and conducting education and awareness programs to promote peaceful coexistence between humans and animals.

IV. METHODOLOGY

Effective management of information and resource for reducing workload on organization

Animal Rescue Application is a system where all the aspects related to the proper management of information and resource are done. Management of these aspects involves dealing with information related to injured, lost, mistreated animal & animals available to adopt etc.

This system consists of 3 users:

1) Admin

Admin has control of the information that flows through the application. He keeps on updating all the information about the animals. He can manage the following things.

- Manage Organization:
 1. Admin keeps a close contact with all organizations.
 2. Admin keeps a record of animals currently under sheltering in respective organizations.
 3. Admin keeps a record of needed helps for the organization.
 4. Admin keeps a record of animals available to adopt

- Manage User:
 1. Admin keeps a record of donation given by the user.
 2. Admin keeps a record of image sent by the user related to the rescue mission.
 3. Admin keeps a record of address provided by the user.
 4. Admin keeps a record of the user's login information.



2) Organizations

Organizations can ask for needed help. Organization will be provided the needed information for a rescue mission in its respective are by the admin. If the organization has the needed manpower and resources it can accept the mission if not possible the request is forwarded to the next organization. The organization can also forward the request for animals available for adoption to the admin.

3) User

User can raise an issue regarding the animal in danger or who need help such as fundamental needs, medical support and thebe relieved. User can volunteer by donating or by aiding the rescue team. The user can contact us by the given emergency credentials and give us extra information by uploading the image of the victim with its location.

V. CONCLUSION

Animal Rescue Application has to do with making an appropriate effort to stop the rising problem to both human and animals in order to enhance the coexistence.

In this project, the software or system that can be used to aid all organizations that are working for animal wellbeing has been successfully developed.

The software can be implemented in all types of situations. With this project we like to solve all those loopholeexisting in this area of work to reduce the workload and avoid wasting some resources.

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