



ACHARYA'S NRV SCHOOL OF ARCHITECTURE

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**ANIMAL RESCUE AND REHABILITATION CENTER
ARCHITECTURE DESIGN PROJECT (THESIS) – 2022-23**

**Submitted in partial fulfillment of the Requirements for the
“Bachelor of Architecture” Degree Course**

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A project report submitted to

VISVESHVARAYA TECHNOLOGICAL UNIVERSITY

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CERTIFICATE

This is to certify that this thesis report titled____Animal Rescue and Rehabilitation Center____ by __Swaraj HR____of X SEMESTER B. Arch, USN No. 1AA18AT055_, has been submitted in partial fulfillment of the requirements for the award of under graduate degree **Bachelor of Architecture (B.Arch)** by Visveshwaraya Technological University VTU, Belgaum during the year 2022- 23.

Guide: Ar Manu M

Principal

Examined by :

1)Internal Examiner :

2)External examiner 1 :

3)External examiner 2 :

DECLARATION

This thesis title “__Animal Rescue and Rehabilitation center__”, submitted in partial fulfillment of the requirement for the award of the under graduate of Bachelor of architecture is my original work to the best of my knowledge.

The sources for the various information and the data used have been duly acknowledged.

The work has not been submitted or provided to any other institution/ organization for any diploma/degree or any other purpose.

I take full responsibility for the content in this report and in the event of any conflict or dispute if any, hereby indemnify Acharya's NRV School of Architecture and Visveshwaraya Technological University, Belagavi, and its official representatives against any damages that any raise thereof.

(Signature)

Swaraj HR

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INTRODUCTION:

Throughout human history, animals have played a vital role in our lives, offering assistance and companionship when required. As humans have evolved physically and intellectually, we have utilized resources for our own comfort and development without considering the impact on animal habitats. Failure to recognize the importance of animal habitats will lead to a rapid decline in development. It is, therefore, necessary to recognize the rights of animals and grant them equal opportunities as humans to claim land we occupy.

These are the five basic freedoms that every animal should be entitled to:

- Freedom from hunger and thirst: Animals should have access to clean water and be fed a diet that meets their nutritional needs.
- Freedom from discomfort: Animals should be provided with an appropriate environment that provides shelter, rest, and protection from harsh weather conditions.
- Freedom from pain, injury or disease: Animals should be given prompt medical treatment when required to alleviate their suffering and prevent diseases.
- Freedom from fear and distress: Animals should not be subjected to any form of abuse or cruelty that would cause them distress, fear or anxiety.
- Freedom to express their natural behavior: Animals should be allowed to express their natural behavior patterns in an environment that is suitable for their species.

Architecture plays a crucial role in the development of a country. The design and construction of buildings and infrastructure can have a significant impact on the environment and the other species we share the planet with. If architects do not consider the impact on animals and their habitats, the development can be detrimental to the ecosystem. Therefore, it is important for architects to find solutions that take into account the needs of animals and incorporate their well-being into the design and construction of buildings and infrastructure.

THE ROLE OF ARCHITECTURE

The role of architecture is crucial in designing housing systems for animal production that meet the spatial and behavioral needs of animals. To achieve this, it's important to have an understanding of how animals behave during routine activities such as drinking, feeding, lying, rising, and walking. Keeping animals confined can modify their behavior and negatively impact their health and comfort. Therefore, architects must consider animal psychology and design facilities that reduce stress on both the animals and the caretakers. This can lead to better health, comfort, and productivity for the animals. Facilities should be appropriate for the species, anticipated number of animals, and expected length of stay to ensure the physical and psychological well-being of the animals



AIM :

One goal is to provide appropriate shelter for rescued animals and improve the quality of medical facilities for their treatment.

OBJECTIVES :

Ensure animals receive humane treatment and care.

Respect and treat all living creatures with dignity.

Foster an open and inclusive environment that welcomes input from all stakeholders.

REASONS :

These are some of the major reasons why wildlife is facing endangerment and extinction:

- **Deforestation:** The clearing of forests for timber, agriculture, and urbanization destroys wildlife habitat, leading to habitat loss and fragmentation.
- **Habitat Loss:** Wildlife habitats are being lost due to human encroachment, mining, and other developmental activities. This has resulted in the loss of natural resources, such as water and food, which is vital for the survival of many species.
- **Poaching:** Poaching is the illegal hunting, killing, or capturing of wildlife, often for commercial purposes such as the ivory trade.
- **Hunting:** Hunting for food and sport can have a significant impact on wildlife populations, leading to a decline in numbers.
- **Road Kill:** Wildlife populations are also threatened by the increasing number of roads and highways, which result in wildlife being hit and killed by vehicles.
- **Rail Track:** Similarly, railways pose a threat to wildlife, especially in areas where railways intersect with wildlife habitats.

- Electric Fence – Electrocuted: Electric fences that are meant to keep wildlife away from human settlements can also lead to electrocution and death of animals.
- Plastic Pollution: Plastic pollution is also a growing threat to wildlife, as animals can ingest or get entangled in plastic waste.
- Illegal wildlife trade: The illegal trade of wildlife and their parts, such as ivory and rhino horns, is a major driver of wildlife extinction.

LIMITATIONS:

Animal shelters can have various limitations that can affect their effectiveness in providing humane treatment and care for animals. One of the limitations is the cost associated with running animal shelters, which can be expensive. Furthermore, shelters can alter the behavior of pets, and animals in shelters are often treated poorly, leading to potential health and behavioral issues. Another limitation is that there is a bigger incentive for owners to give their pets away, instead of taking care of them. In addition, proper regulations are often missing, and shelters rely heavily on volunteers, which can lead to inconsistencies in the quality of care. Unfortunately, euthanizing is quite common in shelters due to overcrowding and neglect, and animals may get neglected or considered to be in an unnatural environment.

SCOPE:

- Providing a safe haven for abused or neglected animals • Offering resources and education for proper pet care and behavior training
- Providing opportunities for community service and volunteer work
- Reducing the number of stray and feral animals in urban areas

- Offering adoption and fostering programs for pets in need of a home
- Collaborating with local veterinarians for medical care and spay/neuter programs
- Providing temporary care for pets during natural disasters or emergencies
- Facilitating therapy programs involving animals for people with physical or emotional disabilities
- Helping to reduce the spread of diseases among animal populations.

PROPOSAL:

A sustainable ecofriendly environment with health facility, shelter facility and to socialize and reconnect with animals for humans through man-made/ natural setting in form of therapy and adaptation center

- Partnering with local animal rescue organizations to support their efforts and facilitate adoptions.
- Offering volunteer opportunities and internships to those interested in animal care and management.
- Implementing sustainable practices in the daily operations of the center, such as using renewable energy sources and minimizing waste.
- Collaborating with local schools and universities to provide educational opportunities for students interested in animal science, biology, and related fields.
- Establishing partnerships with local businesses to promote eco-tourism and sustainable development in the area.
- Providing opportunities for visitors to interact with animals in a safe and controlled

environment, such as through guided tours and animal-assisted therapy programs.

- Developing research programs to further understand the behavior and needs of different animal species and how to better care for them.
- Designing the center with natural materials and integrating it seamlessly into the surrounding environment to minimize its impact on local wildlife.
- Ensuring that all animals at the center are treated with respect, dignity, and compassion, and that their physical and emotional needs are met at all times.