

A Smart and Integrated Animal Rescue Application for Efficient Incident Reporting

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Abstract: Animal rescue and welfare represent a significant issue in both urban and rural settings. Conventional methods for reporting incidents involving animals are often ineffective and lack timely communication. This paper introduces a comprehensive Android-based application designed for animal rescue, which effectively connects users with rescue organizations. The application is divided into two components: a user application and an administrative application. The user application enables individuals to report incidents by taking photographs, selecting relevant categories, and automatically transmitting their location to the administration. Additional functionalities include a module for pet shops featuring rescued animals, user profile management, donation capabilities through Razorpay, and real-time chat assistance. The administrative application streamlines incident management, provides real-time navigation to incident sites, handles pet adoption requests, tracks donations, and offers user support. This research emphasizes the technological framework, implementation strategies, and the potential benefits of such an integrated solution in improving animal welfare and rescue efforts.

Keywords: Animal rescue, Android application, Real-time incident reporting.

