



NAVEEN PRASANTH P CSE <naveenprasanth.p2023cse@sece.ac.in>

International Conference on Digital Innovations for Sustainable Solutions : Submission (49) has been created.

1 message

Microsoft CMT <noreply@msr-cmt.org>
To: naveenprasanth.p2023cse@sece.ac.in

Mon, Jun 2, 2025 at 9:14 PM

Hello,

The following submission has been created.

Track Name: ICDISS2025

Paper ID: 49

Paper Title: RESQTAIL

Abstract:

With growing urbanization and increasing instances of abandoned or injured animals, there is a pressing need for technology-driven solutions to support timely and effective animal rescue efforts. Traditional rescue operations often rely on fragmented communication, manual reporting, and lack real-time coordination—resulting in delayed interventions and compromised animal welfare. The project titled “ResQtail: Real-Time Rescue Coordination for Stray and Injured Animals” addresses these challenges by offering a unified, web-based platform that empowers citizens to report animal emergencies with precision and immediacy. The system integrates GPS-based location tracking, image uploads, weather-aware planning, and machine learning models for injury prediction and animal recognition. Through intelligent automation, ResQtail connects public reports directly to nearby shelters and rescue volunteers, enabling faster response times and streamlined case management. Additionally, features such as real-time chat support, a Lost & Found portal, and push notifications foster an engaged, responsive community around animal protection. With an intuitive interface, admin dashboard, and success tracking, the platform enhances transparency, encourages volunteer participation, and strengthens rescue infrastructure. By digitizing and optimizing the rescue workflow, ResQtail promotes compassionate action, improves animal outcomes, and lays the groundwork for a scalable, tech-enabled ecosystem for animal welfare.

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Authors:

- naveenprasanth.p2023cse@sece.ac.in (Primary)
- nigunkarthi.r2023cse@sece.ac.in
- santhoshsiva.s2023cse@sece.ac.in

Primary Subject Area: AI for Sustainability

Secondary Subject Areas:

Computational Biology & Cloud

Submission Files:

IEEE - TEAM 37.pdf (301 Kb, Mon, 02 Jun 2025 15:43:02 GMT)

Submission Questions Response: Not Entered

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[Redmond, WA 98052](#)