

Community Service Project: Animals and Species

The "Grami Pashu Sahayak" Web-Based Awareness Platform



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The Challenge in Nandanoor Village

Nandanoor village, located in Chittoor District, is a rural community heavily reliant on agriculture and livestock farming, primarily involving cows, buffaloes, and goats. Despite the crucial role these animals play in the villagers' livelihoods, significant challenges hinder optimal animal care and productivity.

Lack of Veterinary Support

Farmers often struggle to access timely and effective medical assistance for their animals due to limited veterinary services in the area.

Low Awareness

There is a widespread lack of knowledge regarding balanced diets, proper feeding schedules, and modern nutritional practices for livestock.

Poor Hygiene

Animal sheds are frequently not cleaned regularly, leading to unsanitary conditions that foster infections and disease.

Irregular Vaccination

Most farmers do not adhere to a consistent vaccination schedule for their animals, largely due to a lack of guidance and awareness of its importance.

Information Gap

Villagers have restricted access to reliable, up-to-date information and resources concerning comprehensive animal care.

Objective & Our Solution: "Grami Pashu Sahayak"

Recognizing the urgent need for accessible animal care resources in rural communities, our project aimed to bridge the information gap through a tailored digital solution.

Main Objective

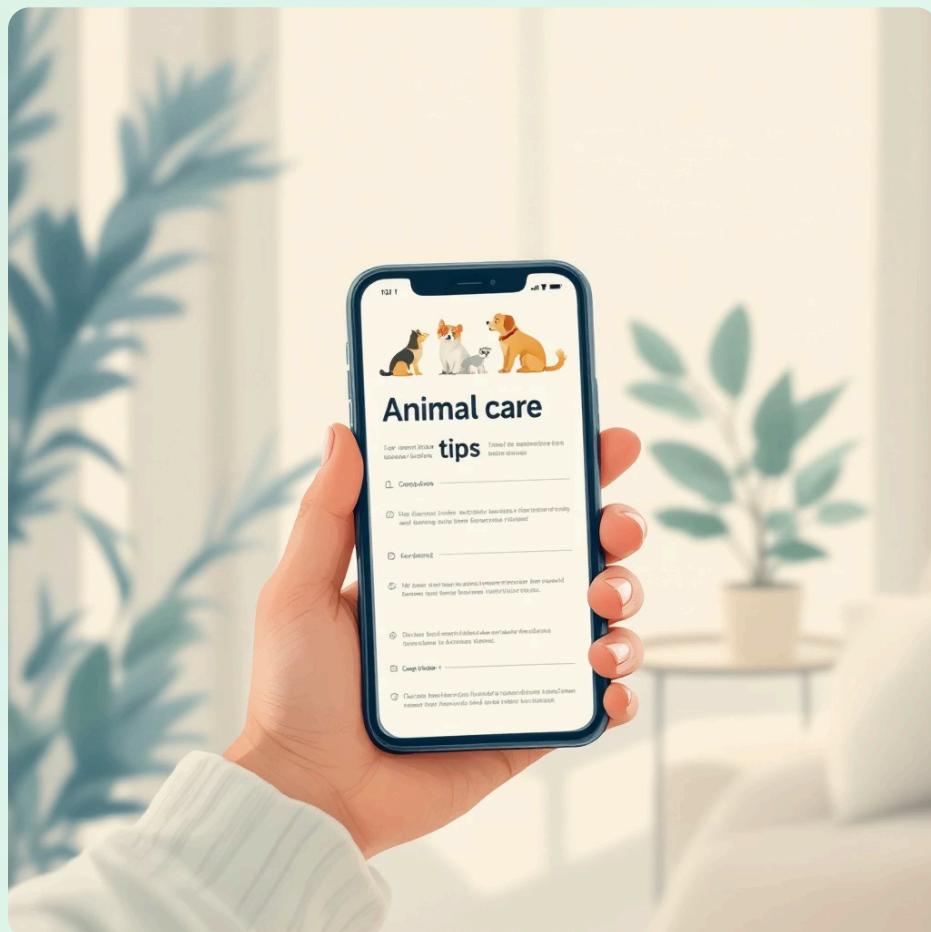
To design and implement a simple, web-based platform providing essential animal care tips, feeding guides, and awareness materials to help Nandanoor villagers manage their animals in a healthier, more informed way.

Our Solution: "Grami Pashu Sahayak" Web App

Our response to these challenges is the "Grami Pashu Sahayak" (Village Animal Helper) web application, designed to be a user-friendly and practical tool for local farmers.

Key Features

- Provides simple and actionable tips on feeding, hygiene, and vaccination protocols.
- Designed using easy-to-understand language and visual aids, ensuring accessibility for all users regardless of literacy levels.
- Features informative posters and short, practical guides on various aspects of animal health.
- Built with accessible web technologies (HTML, CSS, JavaScript) to ensure functionality on basic smartphones and limited internet connectivity.



Our Process

Our project followed a systematic methodology, ensuring deep community engagement and a solution tailored to the specific needs of Nandanoor village.

01

Community Interaction

We initiated our project by visiting Nandanoor village, conducting direct interactions with farmers to gather first-hand information on existing feeding practices, hygiene standards, and prevalent animal health issues.

03

Solution Brainstorming

Collaborating with the farmers, we brainstormed potential solutions, which led to the concept of a simple, accessible web platform specifically for animal-care awareness.

05

Testing & Demonstration

The prototype was then presented to the villagers. We provided comprehensive demonstrations of its use, explaining its benefits, and meticulously recorded their initial feedback and suggestions.

02

Problem Identification

Through our field observations and discussions, we pinpointed common challenges such as the critical lack of timely veterinary support and a general low awareness regarding modern animal husbandry.

04

Development

Based on the insights gathered, our team developed a functional prototype of the web application, christened "Grami Pashu Sahayak," incorporating essential features and content.

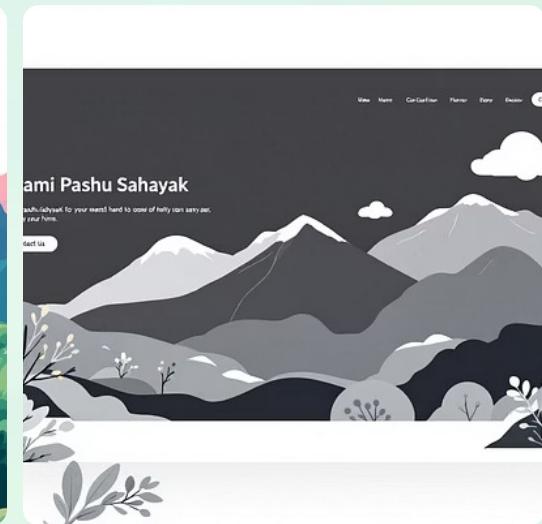
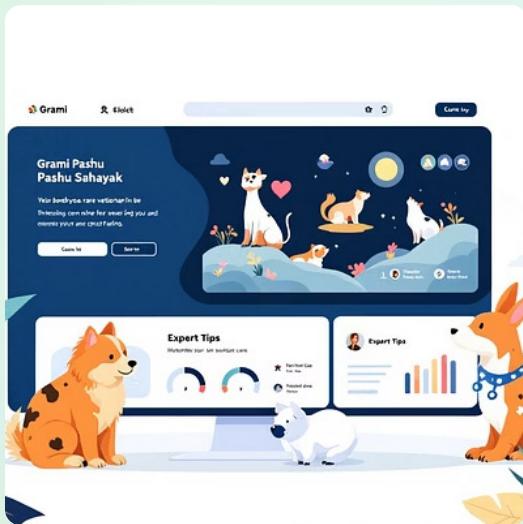
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Feedback Incorporation

The valuable feedback received from the farmers was instrumental. We subsequently refined and improved the content and design of the web application to better meet their needs and enhance user experience.

Web App Prototype Showcase

The "Grami Pashu Sahayak" web application is designed with an intuitive interface to ensure ease of use for the farming community.



1

Main Dashboard

Features clear sections for Veterinary Care and Expert Tips, providing quick access to critical information.

2

Daily Care Routine

Offers structured guidance on routine animal management, promoting consistent and healthy practices.

3

Local Vets List

Connects farmers with available local veterinary services, facilitating timely medical assistance.

4

Our Team / Contact Us

Provides avenues for users to connect with the development team for support or inquiries.

On-Site Field Work & Engagement



"Engaging directly with the Nandanoor community was paramount to understanding their unique needs, gathering invaluable feedback, and effectively demonstrating the practical benefits of our digital solution."

Our team immersed themselves in the daily lives of Nandanoor villagers, conducting hands-on sessions and interactive demonstrations. This direct engagement allowed us to build rapport, understand the nuances of their traditional animal care practices, and tailor our awareness program to resonate effectively within the community. These experiences were crucial for the successful adoption and refinement of the "Grami Pashu Sahayak" platform.

Outcomes & Community Impact

The implementation of the "Grami Pashu Sahayak" project has yielded tangible benefits and fostered a positive transformation within the Nandanoor village community.



Enhanced Knowledge

Farmers gained significant insights into proper animal care, including improved feeding strategies, effective hygiene practices, and essential health management.



Positive Reception

The "Grami Pashu Sahayak" web app was met with enthusiastic interest from the community, indicating a strong desire for accessible information.



Practical Adoption

Several farmers expressed their readiness to integrate the app into their routines for vaccination reminders and daily animal care tips, highlighting its practical utility.



Strengthened Relations

Our awareness sessions fostered a strong bond of trust and mutual understanding between our project team and the local farming community.



Empowerment

The project successfully blended traditional animal care wisdom with simple digital learning tools, empowering farmers with renewed confidence and capabilities.

Our Key Learnings

This community service project was not only about delivering a solution but also a profound learning experience for our team, fostering valuable skills and perspectives.

Values Acquired

→ Empathy

Gained a deeper understanding of the real-world challenges faced by rural animal keepers.

→ Responsibility

Recognized the societal importance of applying technical skills for community welfare.

→ Teamwork

Developed essential collaboration skills through working with team members and villagers.

Life Skills Developed

→ Problem-Solving

Honed abilities to identify practical issues and devise simple, effective solutions.

→ Communication

Improved clarity in interactions with farmers, academic guides, and fellow team members.



Technical Skills Acquired

→ Web Development

Gained practical experience in creating web pages using fundamental technologies like HTML, CSS, and JavaScript.

→ UI Design

Learned principles of designing user-friendly interfaces to effectively display animal-care information.

Conclusion & Future Recommendations

The "Grami Pashu Sahayak" project represents a successful endeavor in leveraging simple digital solutions for meaningful community development.

Conclusion

We successfully developed and deployed "Grami Pashu Sahayak," an intuitive web application aimed at empowering farmers with critical animal care knowledge. The overwhelmingly positive feedback from the community underscores the significant impact that accessible digital tools can have in fostering health and well-being in rural settings.

Future Recommendations

To maximize the reach and impact of this initiative, we propose several key future directions:

- Expand the app's deployment to additional nearby villages facing similar challenges.
- Conduct regular training workshops to educate farmers on effectively utilizing the app's features.
- Forge partnerships with local veterinary hospitals and non-governmental organizations to enhance support services.
- Ensure the app's content is available in local languages and optimized for low-internet connectivity to maximize accessibility.

Acknowledgements

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Thank You. Questions?