

COMMUNITY SERVICE PROJECT



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI-ML)
SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

A Community Service Internship Report(23ACS21)

**On
Animals and Species**

Submitted to

SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

(Affiliated to JNTUA, Anantapuramu)

In partial fulfillment of the

Requirements for Community Service Project

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING (AI-ML)

During the Academic Year 2025-2026

By

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Under the Guidance of

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI-ML)
SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)**

(Affiliated to JNTUA, Anantapuramu & Approved by A.I.C.T.E. New Delhi)

(Accredited by N.B.A., New Delhi & NAAC, Bangalore)

R.V.S. Nagar, Chittoor-517127

ANDHRA PRADESH

2025

COMMUNITY SERVICE PROJECT

Name of the student:

Name of the college:

Registration Number:

Period of CSP: From: To:

Name and Address of the community:



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ANDHRA PRADESH

2025

Community Service Project Report

Submitted in accordance with the requirement for the degree of.....

Name of the College:

Department:

Name of the Faculty Guide:

Duration of the CSP: From: To:

Name of the Student:

Programme of Study:

Year of Study:

Register Number:

Date of Submission:

Community Service Project Report

Submitted in accordance with the requirement for the degree of.....

Name of the College:

Department:

Name of the Faculty Guide:

Duration of the CSP: From: To:

Team Details:

Dharmendra Prasaila Yadav	23781A33J3
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Rajan Prasaila Yadav	23781A33J5
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Nitesh Mehta	23781A33J4
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Chode S Arjun Kumar	23781A33J2
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Programme of Study:

Year of Study:

Date of Submission:

Student's Declaration

I, _____, a student of _____ Program,
Reg. No. _____ of the Department of _____

College do hereby declare that I have completed
the mandatory community service from _____ to _____ in
_____ (Name of the Community/Habitation) under the Faculty
Guideship of _____ (*Name of the Faculty Guide*), Department
of _____ in _____ College

(Signature and Date)

Endorsements

Faculty Guide

Head of the Department

Principal

Certificate from Official of the Community

This is to certify that _____ (Name of the Community Service Volunteer) Reg. No _____ of _____ (Name of the College) underwent community service in _____ (Name of the Community) from _____ to _____. The overall performance of the Community Service Volunteer during his/her community service is found to be _____ (Satisfactory/Good).

Authorized Signatory with Date and Seal

Vision and Mission

Vision

To become a Centre of Excellence in computer science by promoting quality teaching, creative innovation, impactful research, and strong collaboration — addressing the challenges and needs of the modern digital world.

Mission

- Produce globally competent professionals by delivering knowledge in emerging computer science technologies to solve real-world problems.
- Develop technical and research skills that prepare students for challenging careers and higher education.
- Instill moral values and professional ethics with a passion for lifelong learning and growth.
- Build an ecosystem that supports faculty development in domain expertise, research aptitude, and teaching excellence.
- Strengthen infrastructure and facilities to promote quality academic and research activities.

Program Educational Objectives (PEO)

PEO CODE	OBJECTIVE
PEO-1	Pursue successful careers in the IT industry or progress to higher education in engineering or management.
PEO-2	Venture into entrepreneurship through startups or established organizations.
PEO-3	Continue developing professional knowledge and skills to remain agile and relevant in the evolving technology landscape.

Program Specific Outcomes (PSO)

PSO CODE	OBJECTIVE
PSO-1	Analyze and develop computer programs in areas such as algorithms, system software, multimedia, web design, big data analytics, and networking for efficient system design.
PSO-2	Apply theoretical and practical concepts in interdisciplinary domains to create innovative solutions and new ideas.

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An endeavour of a long period can be successful only with the advice of many well-wishers. I take this opportunity to express my deep gratitude and appreciation to all those who encouraged us to succeed in our project.

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CHAPTER 1 EXECUTIVE SUMMARY

This Community Service Project (CSP) was undertaken to contribute to the rural community by developing a simple awareness and information system for animal keepers and small farm owners. The target community includes livestock caretakers and dairy farmers in **Nandanoor** village, who often face challenges due to lack of veterinary access, limited feeding knowledge, and poor record-keeping. The main aim of this project was to design and implement a basic web-based platform, "**Grami Pashu Sahayak**", that provides animal care tips, feeding guides, and awareness materials to help villagers manage their animals in a healthier and more informed way.

The activities carried out during the project included identifying the problems faced by animal keepers, conducting field visits to interact with farmers, and understanding the issues related to animal health and daily care. The team then brainstormed practical solutions to improve awareness and access to animal care information. After analyzing the feedback, a simple web-based platform named "Grami Pashu Sahayak" was designed. The development process involved creating informational sections for animal feeding, hygiene, and health, as well as building a small prototype website with working pages. The final prototype successfully provided farmers with easy access to animal care tips, awareness posters, and a basic contact form for guidance.

Learning Objectives and Outcomes

1. Learned to identify real problems faced by animal keepers in rural areas.
2. Gained practical experience through field visits and farmer interactions.
3. Understood the importance of animal health, feeding, and hygiene.
4. Improved basic web design and prototype development skills.
5. Learned teamwork, planning, and communication within the community.
6. Realized how awareness and technology can improve animal care.
7. Developed empathy and social responsibility through this project.

CHAPTER 2

OVERVIEW OF THE COMMUNITY

2.1 About the Community / Village / Habitation

Nandanoor village in Chittoor District, Andhra Pradesh, is a rural farming area where most people depend on agriculture and livestock rearing for their livelihood. The community includes small farmers, dairy workers, and animal keepers who care for cows, buffaloes, goats, and hens. These animals are an important source of income and nutrition for their families.

The people are known for their hard work, simplicity, and respect for nature. They follow traditional methods like manual feeding and natural cleaning, which have been used for many years. However, due to limited veterinary help, irregular vaccination, and changing weather, farmers face challenges in maintaining good animal health.

The community values honesty, unity, and sustainable living. Local festivals and gatherings help strengthen social bonds. The younger generation is now showing interest in learning new techniques and using simple technology to improve animal care while keeping their traditional values alive.

2.2 Socio-Economic Conditions of the Community

Nandanoor village is mainly based on agriculture and livestock rearing. Most families earn their living through small farms, dairy work, and caring for cows, buffaloes, and goats. The average income is moderate, and people often face problems like animal illness, water shortage, and limited veterinary help.

Education levels are slowly improving, and some students now study in nearby towns. Awareness about modern animal care, feeding, and vaccination is still low because of limited access to information and financial support. Farmers depend mostly on traditional methods learned from elders.

The community is close-knit and cooperative. Villagers share feed, tools, and water sources and help one another during busy seasons. This teamwork spirit shows their habit of solving problems together and makes it easier to spread awareness about better animal-care practices.

This project fits the socio-economic background of Nandanoor well. It promotes awareness, simple guidance, and small uses of technology to improve animal health and productivity, helping rural families strengthen their livelihoods while keeping their traditional values alive.

CHAPTER 3

COMMUNITY SERVICE PART

3.1 Description of Activities Undertaken in the Community As part of the Community Service Project, our team interacted with the local animal-keeping community in Nandanoor village to understand the common challenges they face in caring for their livestock. The initial phase involved visiting farms and cattle sheds to observe feeding methods, animal hygiene, and living conditions. We noticed problems like lack of timely veterinary help, improper feeding routines, and limited awareness about vaccination. After collecting information from farmers and listening to their needs, we discussed simple awareness and technology-based solutions that could help them. Based on their suggestions, we decided to develop a basic web application called **Grami Pashu Sahayak** to share animal-care tips, feeding guidance, and health awareness information in an easy and accessible way.

The activities undertaken included:

1. Community Interaction: Visited Nandanoor village to gather information about feeding, hygiene, and animal health issues.
2. Problem Identification: Found common problems like lack of vet support, irregular vaccination, and low awareness about proper care.
3. Brainstorming Solutions: Discussed ideas with farmers and planned a simple web platform for animal-care awareness.
4. Content and Design: Created sections for feeding tips, hygiene, and vaccination reminders in easy language.
5. Development: Built a prototype website named Grami Pashu Sahayak with simple layout and clear information.
6. Testing and Demonstration: Presented the web app to villagers, explained its use, and noted their feedback.
7. Feedback Incorporation: Improved the content and design based on farmer suggestions for better understanding.

Through these activities, the project successfully showed how simple awareness and technology can make animal care easier, improve hygiene, and help farmers manage their livestock more effectively in rural areas.

3.2 Values Acquired

Through the execution of this community-oriented project, we learned several important values such as:

1. **Empathy:** Understanding the real problems faced by animal keepers and farmers in rural areas.
2. **Responsibility:** Realizing the importance of using our technical skills for the welfare of the community.
3. **Teamwork:** Learning to cooperate with team members and villagers to achieve a common goal.
4. **Respect:** Valuing traditional animal-care practices while suggesting simple modern improvements.
5. **Service Orientation:** Feeling the satisfaction of helping farmers through awareness and practical guidance.

3.3 Life Skills Developed

This project helped us develop important life skills useful for both personal and professional growth, such as:

1. **Problem-Solving Skills** – Identifying real issues faced by animal keepers and finding simple, practical solutions.
2. **Communication Skills** – Interacting clearly with farmers, guides, and team members during field visits.
3. **Decision-Making Skills** – Choosing the best and most useful features for the web application based on local needs.
4. **Leadership and Collaboration** – Sharing responsibilities, guiding the team, and working together to complete the project.

3.4 Technical Skills Acquired

Through the design and implementation of this project, we gained useful technical skills, including:

1. **Web Development:** Learning to create simple and user-friendly web pages using basic HTML, CSS, and JavaScript.
2. **UI Design:** Designing a clear layout to display animal-care information and awareness materials.
3. **Content Management:** Organizing animal data such as feeding tips, hygiene steps, and vaccination details in the web app.
4. **Testing and Debugging:** Checking the prototype for errors and improving it based on user feedback from the community.

3.5 Reflection

This project taught us the real meaning of using technology for community benefit. It helped us connect what we learned in college with the real needs of villagers. By interacting with animal keepers and understanding their problems, we realized how small efforts can bring positive change. The satisfaction of creating something useful for farmers and improving animal care encouraged us to keep working on ideas that support rural development and social welfare.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Discussed project goals and selected the topic "Animal Care." Planned visit to Nandanoor village.	Understood CSP aim and key issues faced by animal keepers.	
Day - 2	Visited the village and interacted with farmers about animal health and daily challenges.	Learned real problems like lack of vet care and feeding issues.	
Day – 3	Observed animal shelters, hygiene, and vaccination practices. Collected notes and photos.	Gained awareness of local animal management methods.	
Day – 4	Discussed the information collected and started preparing awareness ideas and poster content on animal health and feeding.	Improved teamwork and communication while developing creative awareness content.	
Day – 5	Designed the first draft of the “ Grami Pashu Sahayak ” web app layout and divided roles among team members.	Learned basic design and planning skills for developing a simple web-based awareness tool.	
Day – 6	Shared poster samples and project ideas with villagers for feedback and suggestions.	Understood the importance of community feedback in improving the usefulness of our project.	

WEEKLY REPORT

WEEK – 1 (From Dt. _____ to Dt. _____)

Objective of the Activity Done: Objective of the Activity Done: To begin community interaction, understand the problems faced by animal keepers in **Nandanoor** village, and collect information about animal health, hygiene, and feeding practices to plan a simple awareness and support system for them.

Detailed Report

- Conducted a team meeting to finalize the community service project's goals and selected "**Animal Care**" as the main focus.
- Visited **Nandanoor** village and interacted with local farmers and animal keepers to understand their daily challenges in feeding, hygiene, and animal health.
- Collected real information about issues like lack of veterinary access, irregular vaccination, and poor awareness of modern care methods.
- Defined the main problem based on community feedback and discussed possible awareness-based and digital solutions with the team.
- Decided to create a simple web application named "**Grami Pashu Sahayak**" to share tips, vaccination info, and feeding guidance.
- Prepared the initial plan for website layout, content collection, and community testing in the next phase.

This week's activities established a strong foundation by combining technical planning with direct community interaction, ensuring the project aligns with local needs and expectations.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Prepared a detailed plan for developing the “ Grami Pashu Sahayak ” web app and finalized content sections like feeding, vaccination, and hygiene tips.	Learned how to organize and plan a project structure for a community-focused web app.	
Day - 2	Started basic website development using HTML, CSS, and JavaScript. Created homepage and added introductory content about animal care and awareness.	Gained practical experience in web development and content creation.	
Day – 3	Tested the initial version of the web app and shared it with team members for feedback. Made small improvements in layout and color theme.	Understood the importance of design feedback and teamwork in improving project quality.	
Day – 4	Added new sections to the “Grami Pashu Sahayak” web app, including animal feeding tips, hygiene maintenance, and vaccination reminders.	Improved content writing and design presentation skills for awareness-based projects.	
Day – 5	Tested the updated web app on different devices and collected feedback from friends and mentors for better usability.	Learned to test, identify layout issues, and make responsive design adjustments.	
Day – 6	Documented all progress and prepared a short demo presentation for mentors and community members to showcase the working prototype.	Gained confidence in presenting the project and improved documentation and reporting skills.	

WEEKLY REPORT
WEEK – 2 (From Dt. _____ to Dt. _____)

Objective of the Activity Done - To start building and testing the “**Grami Pashu Sahayak**” web app, add content related to animal care, and ensure the website works properly on different devices for easy use by the community.

Detailed Report

- Created and organized sections for animal feeding, hygiene, and vaccination awareness.
- Developed the basic structure of the website using HTML, CSS, and JavaScript with a simple and clear layout.
- Tested the website on different screens and collected feedback from team members for improvements.
- Updated visuals, colors, and layout based on feedback to make the web app more attractive and user-friendly
- Documented the changes and prepared a demo presentation for mentors and community members.

This week's activities helped us gain hands-on skills in web design, testing, and presentation, improving both teamwork and creativity for the next development phase

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Reviewed feedback from mentors and villagers to plan the final improvements for the “Grami Pashu Sahayak” web app.	Learned how to prioritize useful suggestions for practical improvement.	
Day - 2	Updated the website layout and added local-language labels to make it easier for rural users.	Improved user interface design and accessibility awareness.	
Day – 3	Added new content about common animal diseases, prevention tips, and basic first aid guidance.	Gained better understanding of information research and content creation.	
Day – 4	Tested the web app’s updated features and made final corrections to text, images, and navigation flow.	Strengthened testing and error-fixing skills for real-time usability.	
Day – 5	Presented the updated version to faculty and team members for review and feedback.	Improved presentation and communication skills through project demonstration.	
Day –6	Visited the community again to show the updated web app and gather final opinions from farmers and animal keepers.	Understood the importance of user feedback and continuous improvement based on real needs.	

WEEKLY REPORT
WEEK – 3 (From Dt. _____ to Dt. _____)

Objective of the Activity Done - To test and improve the “Grami Pashu Sahayak” web app based on community feedback, fix layout issues, and prepare the final version for demonstration to villagers and mentors.

Detailed Report:

- Reviewed feedback from farmers and mentors to identify areas for improvement in the web app's layout and content.
- Added local-language labels and simple instructions for easier use by rural users.
- Included new content such as common animal diseases, vaccination reminders, and hygiene tips.
- Fixed layout and navigation errors to make the website more user-friendly
- Demonstrated the updated web app to villagers, explained its features, and collected useful feedback.

This week's activities helped refine the project, improved technical understanding, and strengthened communication with the community through real-time interaction and testing.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Finalized the website content and reviewed all pages for errors or missing details.	Improved attention to detail and final content management skills.	
Day - 2	Updated visuals, icons, and colors to make the web app more attractive and readable.	Enhanced creative and UI design understanding.	
Day – 3	Prepared final project documentation, reports, and collected photos of field visits.	Gained experience in project documentation and organization.	
Day – 4	Tested the web app's updated features and made final corrections to text, images, and navigation flow.	Strengthened testing and error-fixing skills for real-time usability.	
Day – 5	Presented the “Grami Pashu Sahayak” web app to mentors for feedback and approval.	Improved presentation and communication confidence.	
Day –6	Visited Nandanoor village again to show the final version to the community and explain its usage.	Learned how to communicate technical ideas to non-technical people.	

WEEKLY REPORT
WEEK – 4 (From Dt. _____ to Dt. _____)

Objective of the Activity Done - To finalize the “Grami Pashu Sahayak” web app, complete project documentation, and present the outcomes to mentors and community members for final review and evaluation.

Detailed Report:

- Collected final feedback from the community and mentors to make the last improvements to the web app content and visuals.
- Finalized all sections including feeding guidance, hygiene awareness, vaccination details, and local contact support.
- Conducted a final review of the website for functionality, accessibility, and clarity.
- Documented all project activities, including community visits, development process, and outcomes.
- Presented the project to faculty and community members, demonstrating the web app’s features and explaining its benefits to animal keepers.

This week's activities marked the successful completion of the project. It enhanced our confidence in presenting technical work, improved communication skills, and gave a sense of satisfaction from helping the community through digital awareness and practical solutions.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Reviewed the entire project process and listed key learnings and outcomes for the final report.	Learning Outcome: Gained reflection and analytical writing skills.	
Day - 2	Created PowerPoint presentation slides summarizing the project journey and results.	Learning Outcome: Improved data presentation and visual communication skills.	
Day – 3	Prepared charts, posters, and infographics showing the problems faced by animal keepers and our solutions.	Learning Outcome: Enhanced creative thinking and design skills.	
Day – 4	Rehearsed project presentation and practiced explaining technical points clearly to mentors.	Learning Outcome: Built confidence and clarity in communication.	
Day – 5	Presented the final project “Grami Pashu Sahayak” to faculty and evaluators for review.	Learning Outcome: Experienced teamwork and professional presentation delivery.	
Day –6	Submitted final documents, reports, and thanked the community members for their support.	Learning Outcome: Learned gratitude, responsibility, and the importance of community engagement.	

WEEKLY REPORT
WEEK – 5 (From Dt _____ to Dt. _____)

Objective of the Activity Done: To finalize, present, and submit the completed “Grami Pashu Sahayak” project, showcasing its benefits for animal care and documenting the overall community service experience.

Detailed Report:

- Compiled all final project documents, weekly reports, and photos of field visits.
- Designed a PowerPoint presentation and posters summarizing project objectives, activities, and outcomes.

- Rehearsed and delivered the final presentation before faculty and evaluators.
- Collected final remarks and appreciation from the community and mentors.

- Presented the project to faculty and community members, demonstrating the web app's features and explaining its benefits to animal keepers.

This final week marked the completion of the Community Service Project, improving our presentation, teamwork, and documentation skills while giving us satisfaction from contributing to rural animal welfare.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Reviewed the overall progress of the “Grami Pashu Sahayak” project and listed improvements for future use.	Learned reflection and evaluation skills for continuous improvement.	
Day - 2	Collected final feedback from mentors and community members about the web app’s usefulness and clarity.	Understood the importance of feedback and user satisfaction.	
Day – 3	Prepared and rehearsed the final presentation for college and community stakeholders.	Improved communication, presentation, and teamwork skills.	
Day – 4	Presented the complete project, explained its impact on animal care, and gathered suggestions for future updates.	Gained real experience in presenting a community-based project confidently.	
Day – 5	Finalized the full project report, compiled weekly logs, and submitted all documents for evaluation.	Learned documentation and data organization for academic submissions.	
Day –6	Participated in the final review meeting and shared overall learning, challenges, and achievements.	Realized the importance of teamwork, consistency, and community-focused innovation.	

WEEKLY REPORT
WEEK – 6 (From Dt. _____ to Dt. _____)

Objective of the Activity Done: To finalize, present, and submit the completed “Grami Pashu Sahayak” project, showcasing its benefits for animal care and documenting the overall community service experience.

Detailed Report:

- Compiled all final project documents, weekly reports, and photos of field visits.
- Designed a PowerPoint presentation and posters summarizing project objectives, activities, and outcomes.
- Rehearsed and delivered the final presentation before faculty and evaluators.
- Collected final remarks and appreciation from the community and mentors.
- Presented the project to faculty and community members, demonstrating the web app's features and explaining its benefits to animal keepers.

This final week marked the successful conclusion of the community service project through effective communication, proper evaluation, and planning for long-term impact in animal care awareness and rural development.

CHAPTER 5 ***OUTCOMES DESCRIPTION***

Socio-Economic Survey of the Village/Habitation

To understand the local community's socio-economic background and their needs related to animal care, a simple survey was conducted among farmers and livestock owners in **Nandanoor** village. The survey focused on collecting data about their income, access to veterinary services, and awareness of modern animal-care practices.

- Most households depend on agriculture and livestock as their main source of livelihood.
- Families usually own one or two cows or buffaloes for milk production and use the income for daily needs.
- Access to basic facilities like water and electricity has improved, but proper veterinary support is still limited in the area.
- Farmers reported challenges such as lack of timely vaccination, poor nutrition awareness, and limited access to animal health information.
- Most animal keepers rely on traditional care methods learned from elders, which are effective but not always sufficient during animal illness.

The survey also showed a positive attitude toward new ideas and technology. Many villagers expressed interest in learning through simple web or mobile platforms if information is available in their local language. This encouraged our team to design “Grami Pashu Sahayak” as a tool to share easy, practical, and reliable animal-care information with rural farmers.

Attached Questionnaire for Socio-Economic Survey:

1. How many members are there in your household?
2. What are the main sources of income for your family (farming, dairy, labor, etc.)?
3. What is your average monthly income from livestock and agriculture activities?
4. Do you have regular access to veterinary or animal health services in your area?
5. What are the main problems you face while taking care of your animals (feeding, disease, hygiene, etc.)?
6. How often do you vaccinate or provide medical check-ups for your animals?
7. Are you aware of proper animal feeding and hygiene practices?
8. Would you use a simple mobile or web platform to learn about animal care if it's available in your local language?
9. What type of animal-related information would you like to access (feeding tips, disease awareness, or vaccination reminders)?
10. Would you be interested in participating in awareness or training programs for better animal management?

This survey provided useful insights that helped us understand the real challenges faced by farmers and animal keepers. The collected responses guided the design of the “Grami Pashu Sahayak” web app to make it simple, practical, and beneficial for rural communities.

Problems Identified in the Community

The community of Nandanoor, mainly consisting of small farmers and animal keepers, faces several challenges that affect livestock health and productivity:

1. Lack of Veterinary Support:

Farmers often struggle to get timely medical help for their animals. There are few veterinary centers nearby, which leads to untreated diseases and poor animal health.

2. Low Awareness about Animal Nutrition:

Many farmers are unaware of balanced diets and proper feeding schedules for their livestock. This leads to low milk yield and weak immunity in animals.

3. Poor Hygiene and Shelter Management:

Animal sheds are often not cleaned regularly, causing flies, infections, and discomfort to animals. Limited water supply and traditional cleaning methods make the problem worse.

4. Irregular Vaccination and Disease Prevention:

Most farmers do not follow a vaccination schedule due to lack of guidance or reminders. This results in frequent illness among animals.

5. Limited Access to Information:

Farmers rely mostly on traditional knowledge passed down through generations. They have limited access to reliable sources for updated animal-care information.

6. Financial Constraints:

Due to low and uncertain income, farmers find it difficult to spend on animal care, medicines, or training programs.

7. Lack of Awareness about Technology:

The community has little exposure to digital platforms or apps that could help them manage livestock better. However, they showed interest in learning if guidance is simple and in their local language.

Addressing these issues through the “**Grami Pashu Sahayak**” web app can help farmers gain awareness, improve animal health, and promote sustainable livestock care practices in rural areas.

Short-term and Long-term Action Plan for Addressing Community Problems

Short-term Action Plan:

1. Awareness and Training Programs:

Conduct workshops in Nandanoor village to educate farmers about proper animal care, feeding, hygiene, and vaccination. Demonstrate how small changes in daily practices can improve livestock health and productivity.

2. Digital Awareness Drive:

Introduce the “Grami Pashu Sahayak” web app to the community and teach farmers how to use it for learning about animal health, nutrition, and disease prevention.

3. Local Veterinary Support:

Coordinate with nearby veterinary centers or students to organize medical check-up camps for animals and provide basic first aid guidance.

4. Community Collaboration:

Encourage teamwork among farmers to share resources like feed, water, and vaccination costs, building stronger community cooperation.

Long-term Action Plan:

1. Continuous Awareness and Updates:

Regularly update the “Grami Pashu Sahayak” platform with new information, seasonal care tips, and success stories from farmers to keep engagement active.

2. Partnership with Government Schemes:

Collaborate with local animal husbandry departments or NGOs to expand awareness and training across nearby villages.

3. Infrastructure Improvement:

Promote better access to veterinary services, clean water, and proper animal shelters to ensure long-term improvement in livestock health.

4. Sustainable Practice Promotion:

Encourage the use of organic feed, waste recycling, and disease prevention techniques that ensure long-term benefits for animals and farmers.

5. Community Feedback and Growth:

Collect feedback regularly from farmers and continue refining the web app and awareness programs to make them more useful and locally relevant.

This action plan helps address immediate animal-care problems while building a long-term system for awareness, support, and sustainability within the rural community.

Description of Community Awareness Programme

Community Awareness Program Description and Outcomes:

To address the problems faced by animal keepers in Nandanoor village, a community awareness program was conducted focusing on livestock health, hygiene, and modern animal-care practices. The program included the following activities:

Educating farmers and animal owners about proper feeding, vaccination, and hygiene methods to improve animal health and milk production.

Demonstrating the use of the “Grami Pashu Sahayak” web app as a simple digital tool for learning animal-care tips and vaccination schedules.

Conducting interactive sessions where farmers shared their daily challenges and received guidance from mentors and veterinary experts.

Providing practical examples and visual posters to make learning easier for farmers with limited technical background.

Sharing real success stories and experiences from farmers who adopted better care practices.

Distributing awareness leaflets and printed materials in the local language for easy understanding and daily reference.

Collecting community feedback, suggestions, and future needs to further improve the awareness program and digital platform.

This awareness program helped build confidence among farmers, encouraged better care of animals, and strengthened the link between technology and rural livestock welfare.

Outcomes of the Awareness Programme

- Enhanced Knowledge: Farmers learned about proper animal care, feeding, and hygiene practices, improving their understanding of livestock health.
- Positive Reception: The community showed great interest in using the “Grami Pashu Sahayak” web app and welcomed the idea of learning through digital tools.
- Practical Adoption: Several farmers expressed their willingness to use the app regularly for vaccination reminders and daily care tips.
- Strengthened Community Relations: The awareness sessions built trust between our team and the local farmers, encouraging continued collaboration.
- Increased Awareness of Sustainable Practices: Farmers became more aware of clean animal housing, waste management, and water conservation methods.
- Feedback for Improvement: Valuable suggestions were collected from farmers to include local-language options and more visual content in the web app.

This awareness programme successfully connected traditional animal care with simple digital learning, helping farmers gain confidence in adopting modern and sustainable livestock practices.

Community Service Project
On
Animal Care and Awareness Web Application
(Related Subject: Livestock Management / Community Awareness)
For: Rural Habitation / Village Animal Keepers

Executive Summary

The project aims to address the common problems faced by rural animal keepers in Nandanoor village by creating a simple and accessible digital awareness platform named “Grami Pashu Sahayak.” The web app provides guidance on animal feeding, hygiene, vaccination, and basic health management. It serves as an easy-to-use learning tool for farmers who lack access to veterinary care and reliable information. The project involved field visits, interaction with farmers, data collection, awareness activities, web design, testing, and community demonstrations. The initiative successfully improved awareness, encouraged better livestock care, and promoted sustainable practices through digital education.

Introduction and Background

Overview of the Community:

Nandanoor village mainly depends on agriculture and livestock for livelihood. Most families own cows, buffaloes, or goats for milk and income. The villagers are hardworking, cooperative, and strongly rooted in traditional animal-care practices.

Challenges Faced by the Community:

Farmers face problems such as limited access to veterinary care, irregular vaccination, poor hygiene in animal shelters, and lack of awareness about balanced nutrition

Need for a Modern Approach:

With increasing use of technology, there is a growing opportunity to use simple digital tools to spread awareness about animal care, feeding, and hygiene among rural farmers.

Justification for This Project:

The project “Grami Pashu Sahayak” aligns with the socio-economic conditions of the community by offering low-cost, easy-to-access guidance through a web app. It connects traditional wisdom with modern awareness to improve animal welfare.

Objectives:

- To educate farmers about animal health, hygiene, and vaccination.
- To design a simple web app for spreading animal-care awareness.
- To promote sustainable and healthy livestock practices in rural areas.
- To encourage community involvement and continuous learning through digital means.

Community Survey and Problem Identification

- Description of socio-economic survey methodology: Conducted a community survey in Nandanoor village using a simple questionnaire prepared in the local language. Respondents included farmers, animal keepers, and dairy workers.
- Details on questionnaire: Collected information about family size, livestock count, feeding habits, hygiene practices, veterinary access, and awareness about animal health and technology.
- Data analysis: Reviewed responses to find common issues like irregular vaccination, poor hygiene, and lack of medical support for animals. Noted time spent daily on animal care and feeding.
- Key problems identified: Limited veterinary help, low awareness of animal nutrition, financial difficulties, and limited exposure to modern digital tools.
- Visual presentation of survey data: Simple charts or graphs can be used to show percentages of farmers facing each issue and awareness levels about animal care.
- Insights gained: The survey helped in designing the “Grami Pashu Sahayak” web app to provide easy and practical guidance for rural farmers.

Proposed Solution To address these challenges, the project developed a simple web app called “Grami Pashu Sahayak” to help farmers care for their animals through awareness, guidance, and easy access to useful information

- **Animal Care Info:**

Gives simple tips on feeding, hygiene, and vaccination.

- **Easy Web App:**

Designed in local language for all users.

- **Awareness Content:**

Shows posters and short guides on animal health.

- **Community Support:**

Takes feedback to improve the platform.

- **Low-Cost Design:**

Works on any phone or computer easily.

- **Scalable Platform:**

Can be updated and used in other villages.

Project Design and Methodology

Selection of Technology:

Used simple web tools like HTML, CSS, and JavaScript for easy development and accessibility.

System Design:

Created a responsive layout with clear sections for feeding, hygiene, and vaccination guidance.

Development Steps:

Planned structure, collected field data, designed pages, added content, and tested user flow.

Logic and Functionality:

Included static data and links for animal care information with smooth navigation and visuals.

Testing Strategies:

Tested on mobile and desktop devices, refined layout, and improved based on feedback.

Implementation and Field Trials

Community Engagement:

Visited Nandanoor village and selected local farmers to test the “Grami Pashu Sahayak” web app. Collected their consent and explained the purpose of the project.

Field Testing:

Demonstrated the web app on mobile phones and laptops, showing features like feeding tips, vaccination info, and hygiene awareness.

Feedback Collection:

Farmers shared their views on usefulness, ease of understanding, and suggestions for adding more visuals and local terms.

Improvements Made:

Updated content layout, added simple icons, and improved readability based on user feedback.

Farmer Training and Support:

Organized short sessions to teach farmers how to access and use the web app on their phones.

Challenges Faced:

Faced issues like limited internet access, low digital familiarity, and the need for regional language content for better understanding.

Results and Discussion

- The web app worked smoothly with good response and reliability.
- Saved farmers time and effort by offering quick, easy access to animal-care info.
- Farmers found it simple, useful, and easy to understand.
- Encouraged better hygiene, feeding, and long-term animal health improvements.
- Needs more visual content and offline features for poor network areas.

Community Awareness and Social Impact

Awareness Programs:

Conducted sessions with farmers using posters, demos, and the “Grami Pashu Sahayak” app.

Outcomes:

Improved animal-care knowledge and community participation in awareness drives.

Social Benefits:

Empowered farmers through technology, reduced animal health issues, and built teamwork.

Recommendations:

Continue digital learning sessions and local training for sustainable awareness.

Action Plan and Recommendations

Short-Term:

Expand the “Grami Pashu Sahayak” app to more villages, conduct training sessions, and provide local support for farmers.

Long-Term:

Work on improving internet access, link with government schemes, and promote digital literacy for animal care.

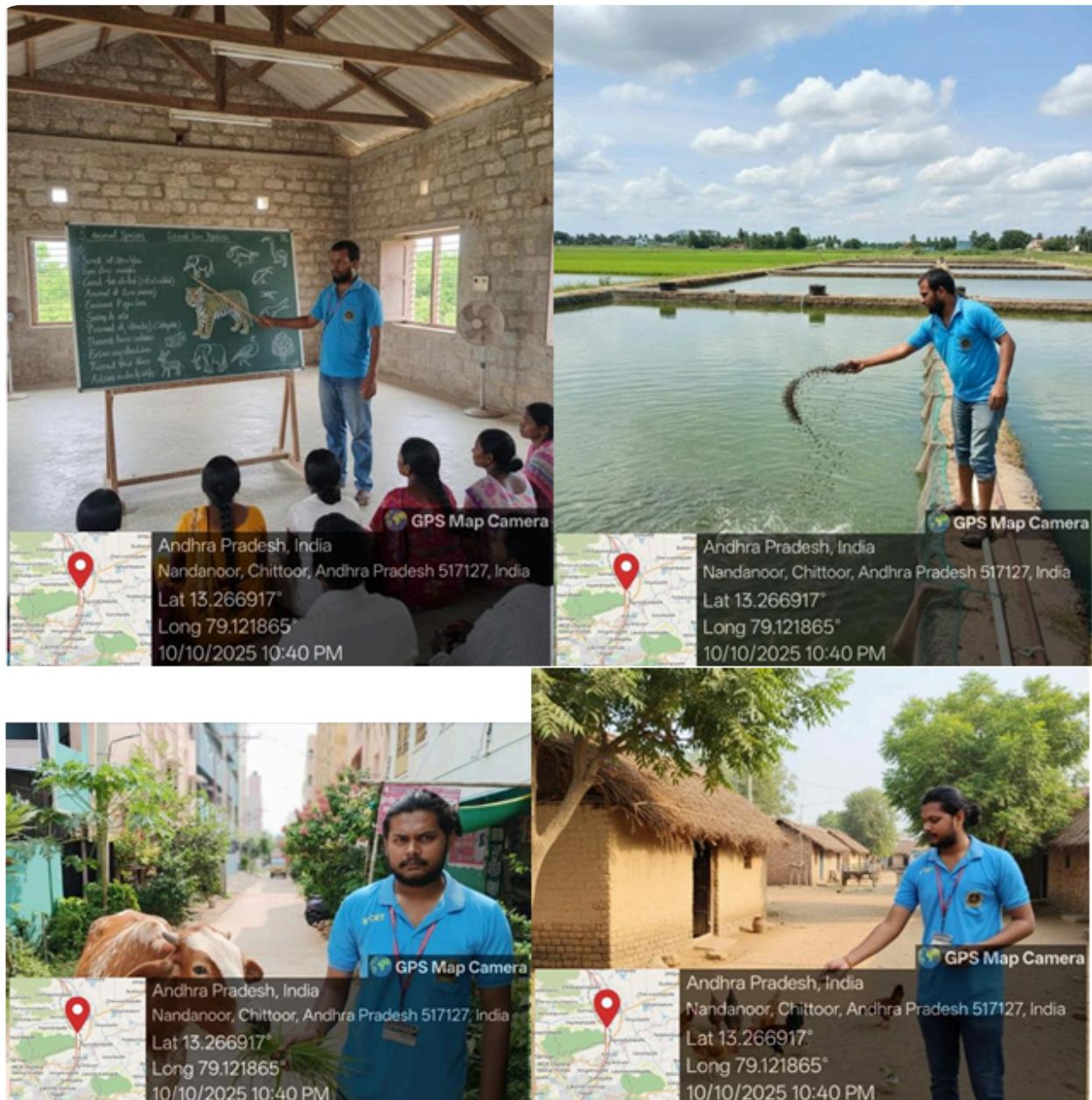
Further Research:

Add new features like disease alerts, local vet contacts, and explore options for offline access and multilingual support.

Conclusion

The project successfully created an easy-to-use web app, “Grami Pashu Sahayak,” to help farmers improve animal care through awareness and guidance. It increased knowledge about feeding, hygiene, and vaccination while promoting sustainable livestock practices. Positive feedback from farmers showed that simple digital tools can bring meaningful change in rural communities. This project proved that technology, when made accessible and practical, can strengthen animal health management and empower rural livelihoods.

Field Visited Photographs







Andhra Pradesh, India

Nandanaor, Chittoor, Andhra Pradesh 517127, India

Lat 13.268917°

Long 79.121865°



GPS Map Camera

PROTOTYPE

Grami-Pashu Sahayak

Empowering Villagers to Care for Their Animals Better

Veterinary Care
Connect with local veterinarians

Expert Tips
Learn best farming practices

Community
Share experiences with farmers

[Explore Now](#)

[Take Survey](#)

Animal Health

पशु संरक्षण

Cow

Cow

Cow (गाय)

Health Tips Feeding Illness Signs

Maintain clean housing with proper ventilation. Regular health checkup essential. Vaccinate against FMD and other diseases. Keep hooves trim and clean. Provide adequate space for movement.

Daily Care Routine

- Check water troughs daily
- Feed animals with quality fodder
- Groom animal shelter
- Inspect animals for illness
- Check fences and gates
- Update vaccination records

Daily Progress 3 / 6

Local Vets

पशु विकासक

Select State

Select District

Dr. Ramesh Reddy
Chittoor, Andhra Pradesh

9876543210

Dr. Suresh Sah
Anantapur, Andhra Pradesh

9876543211

Dr. Venkatesh Raut
Kadapa, Andhra Pradesh

9876543212

Dr. Venkatesh Raut
Kadapa, Andhra Pradesh

9876543213

Our Team

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Location
Chittoor, Andhra Pradesh

Send us a Message

Your Name

Your Village

Your Question

Our Team

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Rajan Prasaila Yadav
Member
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Prototype Link :

CHAPTER 6

RECOMMENDATIONS AND CONCLUSIONS OF THE PROJECT

Recommendations

1. Scaling Up Deployment

Expand the Grami Pashu Sahayak app to more nearby villages so more animal keepers can access helpful guidance for care and disease prevention.

2. Regular Training & Demonstrating Sessions

Conduct periodic workshops to teach farmers how to use the app, follow proper feeding, hygiene, and identify common health issues early.

3. Government and Institutional Support

Partner with local veterinary hospitals and NGOs to provide verified medical information, vaccination updates, and emergency contact support.

4. Infrastructure Development

Make the application available in local languages and ensure it works smoothly even with low internet or basic smartphones.

5. Continuous Research and Innovation

Add features like seasonal care tips, disease alerts, and breed-based suggestions, updating content regularly based on user needs.

6. User Feedback Mechanism

Maintain a simple feedback channel to understand user difficulties and improve the platform over time for long-term community benefit.

Conclusions

The project successfully showed that a simple and low-cost automatic temperature-controlled water pump system can help reduce heat stress in cattle, improve animal comfort, save water, and reduce manual effort in rural cattle sheds. The system proved practical, reliable, and useful during field testing.

This project encouraged the adoption of affordable technology in traditional farming and highlighted how small innovations can support sustainable livestock care. Community participation and positive feedback confirmed the system's benefits and relevance.

This project forms a base for using affordable automation in traditional farming, supporting sustainable practices and improving rural livelihoods. Continued training, support, and wider implementation will be important to fully realize its benefits.

This chapter summarizes the project learnings and highlights important actions and conclusions that show the project's value and future scope.

Student Self-Evaluation for the Community Service Project

Student Name:

Registration No:

Period of CSP: From: _____ **To:** _____

Date of Evaluation:

Please rate your performance in the following areas:

Rating Scale: _____ **Letter grade of CGPA calculation to be provided**

1	Oral communication Written	1	2	3	4	5
2	communication Proactiveness	1	2	3	4	5
3	Interaction ability with community	1	2	3	4	5
4	Positive Attitude Self-confidence	1	2	3	4	5
5	Ability to learn Work Plan and	1	2	3	4	5
6	organization Professionalism	1	2	3	4	5
7	Creativity Quality of work done Time	1	2	3	4	5
8	Management Understanding the	1	2	3	4	5
9	Community Achievement of Desired	1	2	3	4	5
10	Outcomes	1	2	3	4	5
11	Creativity	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the community	1	2	3	4	5
14	Achievement of desire outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Student

Evaluation by the Person in-charge in the Community / Habitation

Student Name:

Registration No:

Period of CSP: From: _____ **To:** _____

Date of Evaluation:

Name of the Person in-charge:

Address with mobile number:

Please rate the student's performance in the following areas: Please note that your

evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication Written	1	2	3	4	5
2	communication Proactiveness	1	2	3	4	5
3	Interaction ability with community	1	2	3	4	5
4	Positive Attitude Self-confidence	1	2	3	4	5
5	Ability to learn Work Plan and	1	2	3	4	5
6	organization Professionalism	1	2	3	4	5
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9	Community Achievement of Desired	1	2	3	4	5
10	Outcomes	1	2	3	4	5
11	Creativity	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the community	1	2	3	4	5
14	Achievement of desire outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Supervisor



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of Andhra Pradesh)

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