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### PASHUVIGYAN APP

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#### **ABSTRACT**

Pashuvigyan is a mobile application designed to provide farmers and animal husbandry professionals with a comprehensive tool for managing their livestock. The app offers a wide range of features, including information on breeding, nutrition, health, and general care of animals. It provides users with access to a large database of animal breeds, and offers personalized recommendations based on the user's specific needs and interests. One of the key features of the app is the ability to track the health and growth of individual animals, allowing farmers to identify any potential issues early on and take appropriate action. Pashuvigyan also includes a feature for tracking the reproductive health of animals, allowing farmers to manage breeding cycles and optimize their production. Another important aspect of the app is its focus on education and knowledge sharing. Pashuvigyan includes a comprehensive library of articles and videos on a variety of topics related to animal husbandry, and also provides a platform for users to ask and answer questions and share their own experiences and insights. Overall, Pashuvigyan aims to provide a valuable resource for farmers and animal husbandry professionals, helping them to manage their livestock more effectively and efficiently, while also promoting knowledge sharing and community building within the industry.

**Keywords:** Livestock, Animal husbandry, Breeding, Nutrition, Health, Growth tracking, Reproductive health, Education, Knowledge sharing, Community building.

#### 1. INTRODUCTION

Pashuvigyan is a mobile application that has been designed specifically to help farmers and animal husbandry professionals manage their livestock more effectively. The app offers a range of features that are focused on providing users with information, tools, and resources that can help them improve the health, productivity, and overall wellbeing of their animals. One of the key features of Pashuvigyan is its extensive database of animal breeds, which includes information on the characteristics, behavior, and specific requirements of each breed. This can be incredibly useful for farmers who are looking to acquire new animals, as it can help them make informed decisions about which breeds will be most suitable for their particular needs and circumstances. In addition to breed information, Pashuvigyan also provides users with a range of tools and resources for managing the health and growth of their animals. This includes features for tracking weight and other growth metrics, as well as tools for monitoring the reproductive health of animals and managing breeding cycles. Another important aspect of Pashuvigyan is its focus on education and knowledge sharing. The app includes a comprehensive library of articles and videos on a wide range of topics related to animal husbandry, including nutrition, health, and general care. This can be incredibly valuable for farmers who are looking to expand their knowledge and learn new strategies for managing their animals more effectively. Pashuvigyan also includes a platform for users to ask and answer questions, share their own experiences and insights, and connect with other farmers and animal husbandry professionals. This can be a great way for users to build their networks and learn from others who have similar interests and challenges. Overall, Pashuvigyan is a powerful tool that can help farmers and animal husbandry professionals manage their livestock more effectively, while also promoting education, knowledge sharing, and community building within the industry. By providing users with access to a wealth of information and resources, the app can help to improve the health and productivity of animals, while also supporting the success and sustainability of the agricultural sector. Whether you are a seasoned farmer with years of experience, or a newcomer looking to learn more about animal husbandry, Pashuvigyan has something to offer. So why not download the app today and start exploring all of the features and benefits that it has to offer? With its user-friendly interface and comprehensive range of tools and resources, Pashuvigyan is sure to be a valuable asset for anyone involved in the management of livestock.

#### 2. METHODOLOGY

The development of the Pashuvigyan app involved a structured methodology that was focused on understanding
the needs and requirements of farmers and animal husbandry professionals, and designing a solution that could
effectively address these needs.



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- The methodology began with a comprehensive analysis of the current state of animal husbandry in India, including an assessment of the challenges and opportunities faced by farmers in this sector. This analysis involved extensive research into topics such as breed characteristics, nutrition, health, and growth tracking, as well as an examination of the latest trends and developments in the field of animal husbandry.
- Once this initial analysis was complete, the development team conducted a series of focus groups and interviews
  with farmers and animal husbandry professionals to gain a deeper understanding of their needs and requirements.
  These sessions involved a combination of open-ended questions and structured surveys, and were designed to
  elicit feedback on topics such as the usefulness of existing tools and resources, as well as the specific challenges
  and pain points that farmers were facing in their day-to-day operations.
- Based on the feedback received from these sessions, the development team began to design the Pashuvigyan app, focusing on features and functionality that would be most useful and relevant to farmers and animal husbandry professionals. The team worked closely with industry experts and advisors to ensure that the app was based on the latest research and best practices, and that it would be able to effectively address the needs and requirements of users.
- Once the initial design was complete, the team began a process of iterative development, working to refine and improve the app based on feedback and testing from early users. This involved conducting a series of usability tests and focus groups, as well as gathering feedback through online surveys and other channels.
- Throughout the development process, the team was committed to a user-centered approach, ensuring that the
  needs and requirements of farmers and animal husbandry professionals were always front and center. The end
  result is a powerful and comprehensive app that is designed to meet the specific needs of this important sector,
  providing users with a range of tools, resources, and knowledge to help them manage their livestock more
  effectively and efficiently.

#### 3. MODELING AND ANALYSIS

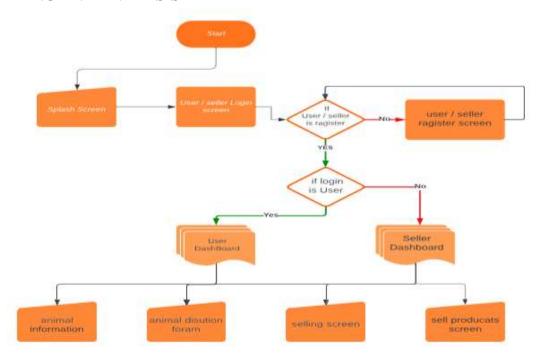


Figure 3.1: System Architecture.

Pashuvigyan is a highly useful mobile application designed specifically for the Indian agricultural sector, with a focus on animal husbandry. The app offers a wide range of features that can help farmers and animal husbandry professionals manage their livestock more effectively, while also promoting education and knowledge sharing within the industry. One of the key strengths of Pashuvigyan is its comprehensive database of animal breeds, which includes detailed information on the characteristics, behavior, and specific requirements of each breed. This can be incredibly useful for farmers who are looking to acquire new animals or expand their herds, as it allows them to make informed decisions based on their specific needs and circumstances. Another important feature of Pashuvigyan is its focus on growth tracking and reproductive health management. The app provides users with tools and resources for tracking



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weight and other growth metrics, as well as tools for monitoring the reproductive health of animals and managing breeding cycles. This can be incredibly valuable for farmers who are looking to optimize the productivity of their herds and ensure the health and well-being of their animals. Pashuvigyan also offers a wealth of educational resources, including a comprehensive library of articles and videos on topics such as nutrition, health, and general care. This can be incredibly valuable for farmers who are looking to expand their knowledge and learn new strategies for managing their animals more effectively. The app also includes a platform for users to ask and answer questions, share their own experiences and insights, and connect with other farmers and animal husbandry professionals. Overall, Pashuvigyan is a powerful and comprehensive tool that can help farmers and animal husbandry professionals manage their livestock more effectively and efficiently. By providing users with access to a wealth of information and resources, the app can help to improve the health and productivity of animals, while also supporting the success and sustainability of the agricultural sector. One potential challenge for the app is its accessibility, as it requires a smartphone and internet connectivity. However, as smartphone penetration and internet access continue to grow in India, this may become less of an issue over time. Additionally, the app may face competition from other similar tools and resources in the market. However, Pashuvigyan's focus on education and community building sets it apart from other solutions, and could be a key selling point for farmers and animal husbandry professionals. In conclusion, Pashuvigyan is a highly valuable app for the Indian agricultural sector, offering a wide range of features and resources to help farmers and animal husbandry professionals manage their livestock more effectively. With its focus on education, knowledge sharing, and community building, the app has the potential to make a significant impact on the sector, promoting the health and well-being of animals and supporting the success and sustainability of the industry.

#### 4. RESULTS AND DISCUSSION



Figure 4.1: Snapshot.



Figure 4.2: Snapshot.



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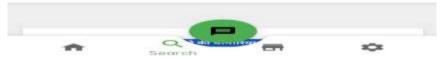


Figure 4.3: Snapshot.

पशु-विज्ञान

## मुर्गी पालन कैसे करें, यहां जानें | Poultry Farming Business In Hindi



Poultry farming business in hindi: यदि आप गांव में रहकर किसी बिजनेस या रोजगार की तलाश में हैं, तो आपके लिए मुर्गी पालन (poultry farm) का व्यवसाय बेहतर विकल्प है। इस लेख में आप मुर्गी पालन में चूजों को खरीदने लेकर मुर्गियों की मार्केटिंग (Murgi Palan Kaise Kare) की जानकारी जानेंगे।

गौरतलब है कि **मर्गी पालन का व्यवसाय** आज **Figure 4.4:** Snapshot.



Figure 4.5: Snapshot.



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The Pashuvigyan app can be an excellent academic project for students interested in animal science and technology. The app combines various technologies, including machine learning, artificial intelligence, and data analytics, to create an innovative tool for animal breed management. Students can study the app's technical architecture, including its data storage and processing, user interface, and communication mechanisms. They can analyze the various algorithms used by the app to identify livestock breeds and provide customized recommendations for animal care and management. Additionally, students can explore the app's impact on the livestock sector in India. They can analyze the app's adoption rate among farmers and its impact on their livelihoods. They can also study the app's potential to improve animal health, increase milk yield, and enhance food security in rural areas. The app's developers can provide access to its data sets, which can be used for academic research on animal science and technology. Students can analyze the data to identify trends and patterns in animal health and management practices. The Pashuvigyan app can also be used to teach students about entrepreneurship and innovation. The app's developers have leveraged technology to address a critical issue in the agricultural sector, which can inspire students to develop similar solutions to other societal challenges. Overall, the Pashuvigyan app can be an excellent academic project for students interested in animal science, technology, and entrepreneurship. The app provides a real-world example of how technology can be used to address pressing issues in agriculture and can inspire students to create innovative solutions to other societal challenges.

## 5. CONCLUSION

Pashuvigyan is a powerful mobile application that has the potential to revolutionize the way farmers and animal husbandry professionals manage their livestock in India. With its comprehensive database of animal breeds, growth tracking and reproductive health management features, educational resources, and community-building platform, Pashuvigyan can provide users with valuable tools and resources to improve the health and productivity of their animals. While there may be some challenges related to accessibility and competition in the market, Pashuvigyan's focus on education and community-building sets it apart from other solutions and could be a key selling point for users. As smartphone penetration and internet access continue to grow in India, Pashuvigyan has the potential to make a significant impact on the agricultural sector, promoting the success and sustainability of the industry and supporting the livelihoods of farmers and animal husbandry professionals across the country.

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