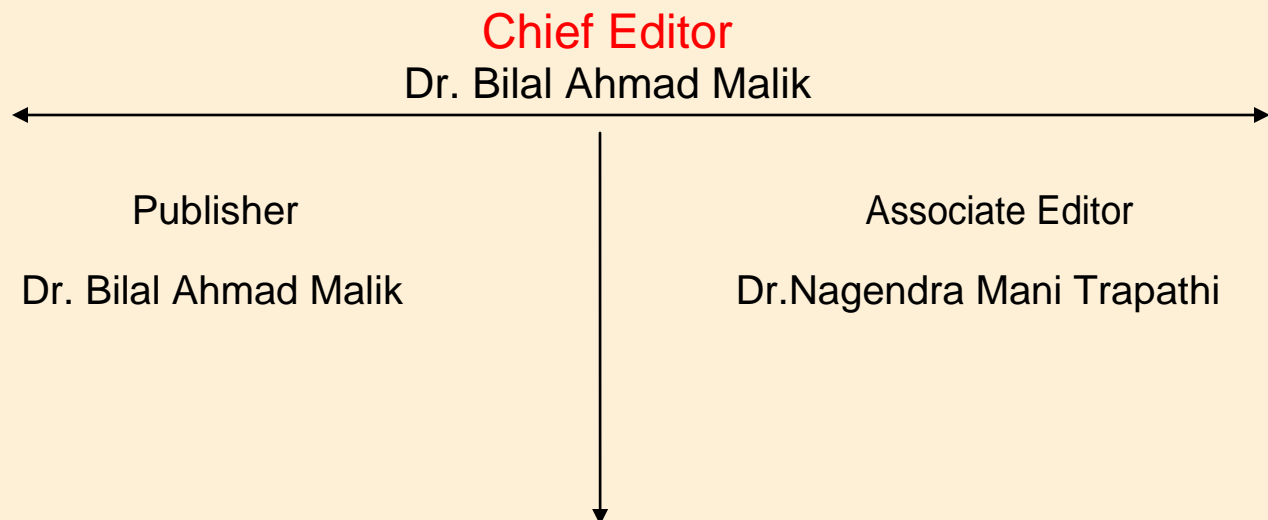


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ANIMAL HUSBANDRY AND DAIRY INVENTORY

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ABSTRACT

The heat and oppressive of a typical bear state summer combine to make a very troublesome circumstances for lactate dairy cows. During hot summer climate, milk production may cutback by as much as 50 percent, and generate accomplishment of lactating dairy cows is greatly subside. Some information shows that only 10 to 20 percent of fertilization in heat underscores cows result in fertilization. To avoid above situation needs correct guidance to the farmers about what care should be taken for the animals during duration of heat climate. Our system will provide the entire problem characterization about the animals during heat urgency period which cause minimization in milk. These web based cultivation information systems deal with various kinds of information but they don't maintain flexibility and connotation in information. Hence system is used in web and provides consequential definition and dictionary of terms about a certain department. Here in our system we are dominion system in cultivation system in web system language (OWL). This paper shows various classes and subclasses using OWL DL in protg5.0 for an e- cultivation information system. This paper also provides various classes and subclasses and communication among the classes in UML class diagram for cultivation information system or e-agriculture. In our project we are making classes of data that will provide correct information acquiesce to the request/point of interest of user.

Keywords: e- Commerce, Medical information retrieval, Dairy Cattle, Inventory, Diseases

INTRODUCTION

Now a day's farmers are unaware about, how to tackle the problems regarding animal health and this causes hazardous to animals, Because of lack of care animals get disease. So, their is need of such a system which will guide to the farmers for caring their animals. Our system is capable of doing all above operation. Also our system provides facilities such as dairy management. Dairy management is the features which will mention the whole inventory for the farmers about milk production of cow. Animal husbandry is the administration and care of farm animals by humans, in which historical affirmation and decency, considered to be beneficial to humans,

are further advanced. The term can refer to the practice of collectively development and establish shorthorns to promote fascinating traits in animals for service. To achieve the proper guidance to the farmers about agriculture techniques, agriculture equipments over web portal by using ontology. Managing proper web portal for daily and fully optimized report oriented system for dairy. Guidance to farmers for animal husbandry on mobile application. It will be very productive and user friendly application for farmers. Easy to identify the problem related to heat stress and animal health. This system can be used in the Dairy system .this dairy system is very useful for farmers .Our system will provide the entire problem solving description about the animals during heat stress period which causes reduction in milk. In our project we are making classes of information that will provide meaningful information according to the request of interest of user. This system will provide the whole problem solving description about the animals during heat stress period .Our system find can be out the result of increasing the rate of milk. By using this system farmers can creates their account and take information regarding the disease and nutrition for cow. Farmers can manage the whole inventory of dairy also they can manage their own dairy. Recently, some of organic dairy farmers use conventional breeding properties and production stock. In view of the system objective of closed chains, organic dairy farmers discussed in workshops the desirability and practical merits of various possible scenarios for realizing breeding functions that are more in line with organic farming issues.

This system can be used in the Dairy system .this dairy system is very useful for farmers. Our system will provide the entire problem solving description about the animals during heat stress period which cause reduction in milk. Farmers find out that there is a need for system developing practices to support the sector's validity towards society. The first step in creating organic breeding practices is to ban the indirect use of artificial embryo reproduction systems, but there was no consensus on which selection system best fit organic issues. In our project we are making classes of information that will provide meaningful information according to the request/point of interest of user. Dairy cows are very responsive to heat stress, which has a powerful commercial impact for the farmer: not only loss of production and milk quality but also health related problems. The farmer is usually alert of some of the necessary herd administration practices necessary in this various period. Agricultural data is a part of component for increasing agricultural creation and capacity that leads to improved rural livelihoods and food security. In order to counter recent brake growth rate of husbandry, the problems of infrastructural impulsion, supply chain inability, and dispersal and approach to data are to be addressed.

E-agriculture is an web based data system that provides data to farmers at any time through web system .This web based agriculture data system delivers data to users about crops, farming resources, plant nutrition, weather conditions for a particular crop, various facilities and market data etc. These data systems are providing resources about agricultural department or any department in a structural way. But these information systems are not specified vocabulary and do not have formal meaningfulness of the terms. Technologies are growing the part of the dairy industry across the global. In fact, many of the system applied to the dairy management are change of base technologies used in various industries such as the automobile or own electronic industries. Indeed, these technologies will continue to change the way that dairy animals are managed.

OVERVIEW

Dairy cows are very conscious to heat significance, which has a valid productive brunt for the farmer not only loss of capacity and milk affection but also health related challenges. The farmer is usually aware of some of the fundamental herd executive's practices necessary in this critical situation Agricultural data is a various part of component for increasing agricultural economical level and product that leads to improved rural business and food security. In order to counter recent break growth rate of husbandry, the problems of infrastructural impulsion, supply chain disorganization, and circulation and admittance to data are to be superscripted. Education is a way which enables a person's aggregate advancement of personality through knowledge procurement. Learning surroundings has the prestige on knowledge improvement or knowledge improvement. Teaching learning processes dispatch through mobile devices are based on wired and wireless intelligence technologies. Mobile learning creates a new learning encompassment using handled devices by compound World Wide Web and the learner. Most organic farmers selected to uphold the familiar breeding structure of index elected and artificial formation. Since the scale of organic farming remains small, a distinct developing structure for organic farming will be difficult to achieve We live in a world where nothing ever quite break exactly the same, not even for a event; our cause and consequence based reality by nature is always unstable, based on the circumstances that are present in any recognized event. Choices are an determined action to be made in this world, and by nature they encompass certain consecution based on the causes and circumstances of the choice. Large scale factory have become very popular in the past decade because of the endorsement of new housing styles and the progression of new fabrication augment system. These technologies acquiesce maker to intensify labor facility, expansion benefits and raise the quality of life for both dairy owners and workers. To support the high formulation levels expected of or modern dairies, efficiency must be developed to provide a suitable place for

cows to lie. Develop must also suppose the initial and ongoing cost to maintain the stalls. Maintain a stable body climate. They are responsive to factors which pressure. This system is very helpful for farmers. In our system we can increase the rate of milk. By using this system we can increase the quality of milk. This system is very helpful for cow and dairy inventory system. Their thermal change with the surrounding. These factors include air climate, radiant weather, air velocity, and relative humidity. Air climate and radiant climate directly significance the heat change ability of the animal. Humidity can loss heat change and have attenuate possession on the cow. E-agriculture is an web based data system that provides data to user at any time through web system .This web based system data system delivers data to users about crops, farming resources weather circumstances for a particular crop, various system and market data etc. These data systems are providing capital about system domain or any domain in a semantic way. But these data systems are not specified terminology and do not have formal expressiveness of the part.

MATHEMATICAL MODEL

Mathematical Model for Dairy System

Let S be a system that describes central system to give Dairy Inventory Medicine and Precaution for disease.

$S = \dots s$ 1.

Identify input as I

$S = I, \dots$

Let $I = i_1, i_2, i_3, i_d$

The input will Symptoms and weather.

2. Identify output as O

$S = I, O,$

O= The Dairy System provide disease, Medicine, Precaution and food intake.

3. Identify the processes as P

$S = I, O, P, \dots$

$P = E, D$

E= give Dairy inventory System Using Medicine and Precaution.,

D=Data Entry, Billing System

4. Identify failure cases as F $S = I, O, P, F,$ F= Failure occurs when the system fails.. 1. Identify success as s.

$S = I, O, P, F, s,$

s=WhensystemsucceedtoshowallrelevantAnimalHusbandrydependsonUsing Medicine and Precaution.

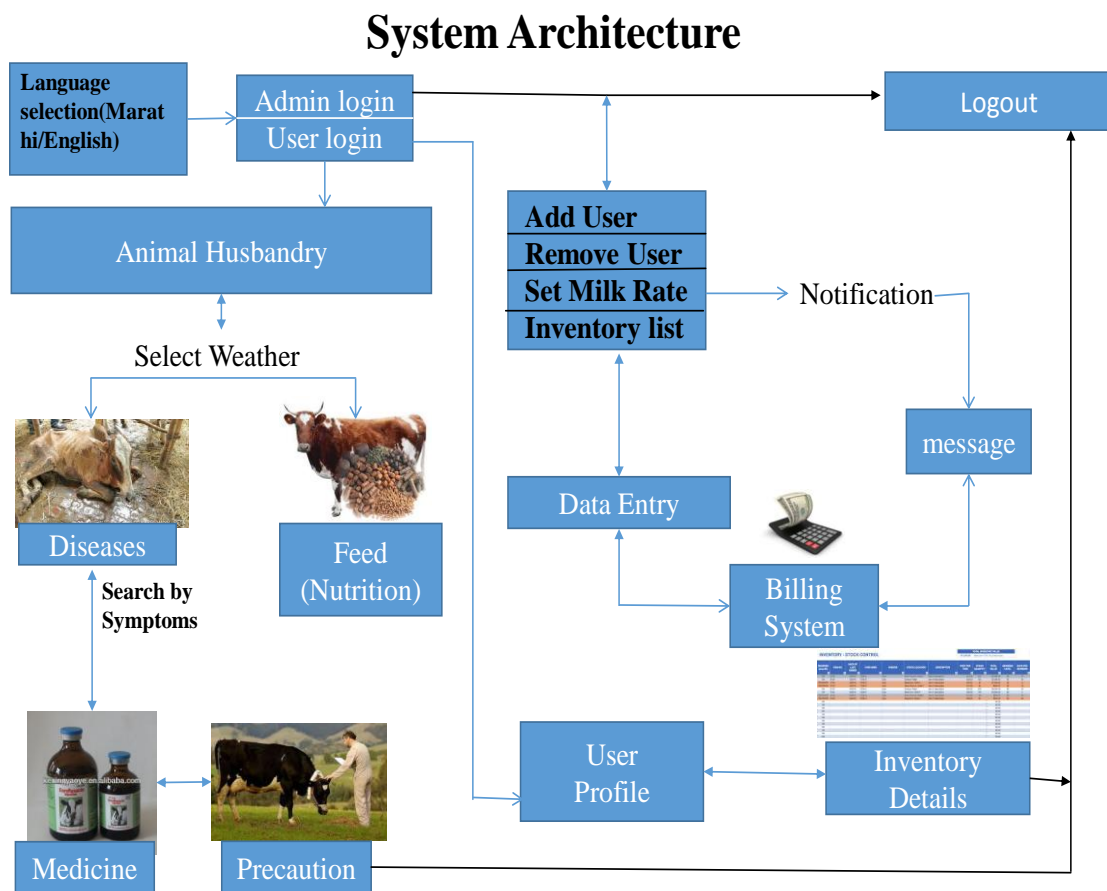
Identify the initial condition as Ic

S=I,O,P,F,s,Ic,

Ic=User Should create a Dairy Inventory System details.

FUTURE SCOPE:

It will be very productive and user friendly application for farmers. Easy to identify the problem related to heat stress and animal health.



The system architecture consists of three major parts or tiers:

- 1) Inventory Details system.
- 2) Disease (medicine prediction system).
- 3) Nutrition Prediction system.

Inventory Details system:-

Inventory details will be used to keep information of daily details of milk production and submitted so it will be easy to manage the own dairy.

Medicine prediction system:-

In this section we will implement facility such that farmer can enter their symptoms and which disease may occur? And what precaution should be taken? Will be predicted to farmer by system.

Nutrition Prediction system:-

In this section we will implement guidance system for farmers which will guide for what nutrition should be provided to cow for increasing milk production as well as quality of milk in different seasons.

CONCLUSION:

Our system will provide the entire problem solving description about the animals during heat stress period which cause reduction in milk. web based agriculture information systems deal with numerous kinds of data but they don't maintain consistency and semantics in data. Hence ontology is used in web and provides meaningful annotations and vocabulary of terms about a certain domain. In our system we will increase the milk quality.

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