**ANDRODAIRY-AN APPLICATION FOR DAIRY FARMERS**

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**INTRODUCTION :**

India is endowed with the largest livestock population in the world. It accounts for about 57.3 per cent of the world’s buffalo population and 14.7 per cent of the cattle population. The value of output of milk is Rs.3, 05,484crore in 2011-12. The total milk production in the country is 127.9 million tons per annum at the end of the Eleventh Plan (2011-12) and the demand is expected to be 180 million tons by 2020. To achieve this demand annual growth rate in milk production has to be increased from the present 2.5 % to 5%. The Annual growth rate for production of milk is about 5% in 2011-12. Thus, there is a tremendous scope/potential for increasing the milk production through profitable dairy farming.

Dairying is an important source of subsidiary income to small/marginal farmers and agricultural laborers. In addition to milk, the manure from animals provides a good source of organic matter for improving soil fertility and crop yields. The Gobar Gas from the dung is used as fuel for domestic purposes as also for running engines for drawing water from well. The surplus fodder and agricultural by-products are gainfully utilized for feeding the animals. Almost all draught power for farm operations and transportation is supplied by bullocks. Since agriculture is mostly seasonal, there is a possibility of finding employment throughout the year for many persons through dairy farming. Thus, dairy also provides employment throughout the year. The main beneficiary.

Android application plays a important role in assisting people in their day to day activities. We are proposing an android application for dairy farmers which will assist him in developing his dairy farm in a better way. By guiding him in remembering the heat cycles of an animal, fetching the market prices of fodder, generating database of the animals in the farm. Easily dairy former can access data stored on his smart phone. He can access information about different breeds provided.

**OBJECTIVE:**

1. Regularly provides the dairy farmer about current market prices of the fodder and other products.

2. Reminds the farmer about the animal in heat and its cycle for every 19th, 20th, and 21st day so the animal can be taken care.

3. Basic medication for the animal has given.

4. Generating alert message on shortage of food stock.

5. Graph representation for milk yield.

6. Provide database for animal history.

**METHODOLOGY:**

Application provides following features

1. Feeding

2. Breeding

3. Animal History

4. Medication

5. Milk Production Graph

**DAIRY FARMING**

**CONCLUSION:**

Developing an android application that assists the farmer to know the current market prices of the fodder. Application also reminds the farmer about the animal that is ready for breeding (as per the date entered). A user friendly interface that helps to store the list of animals present in the dairy farm into the database. Information of the animals can be retrieved from the animals list displayed. It alerts the famer whenever the fodder stock has reached to the minimum and farmer can make purchase beforehand. Basic information about medication to the animal is provided.

**FUTURE WORK:**

Enhancement of the application in future is as follows.

1. This application maybe expanded to the poultry farming.

2. A complete translation from English to other regional languages will be provided.

3. Fodder purchase order can be made automatically as soon stock reaches a minimum value.

4. Veterinary doctor’s helpline in the nearby area can be provided.

5. Farmers who install the application will be able to post the animal’s details that he want to sell that can be viewed by other farmers and make a purchase from him.