DEVELOPING A DECISION SUPPORT SYSTEM FOR FARM MANAGEMENT DATABASE AND AI PLANNING

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Project Report
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ABSTRACT

In farming activity database management is taking an important role for decision making. Proper record keeping helps to analyze the farm situation and plan future activities of farm. Particularly in animal farms, the farm management is generally using artificial insemination (AI) for developing their farm. AI helps to develop good genetically potential animals within the farm, and helps to increase the production capacity of the farm. Especially in cattle, AI is a common and popular one in dairy farms. For AI program proper heat detection of animal and good record keeping of them are very important. The successive rate of AI is depending on the proper heat detection. To find correct time of heat of the animals a good observation and skilled person is needed. Most of the farms are using hand written documents for maintain their AI and farm management records. To overcome the situation a study was contacted to develop a user-friendly Decision Support System, using appropriate computer hardware and software to make the farm AI planning decision support system with readily available information and data for satisfied the above mentioned people AI planers and the farm management.

Here decision making activity on AI becomes most complicated activity to the AI planers and the farm management. Here an additional supported system is required to take good decision making on AI program. It has an ability to provide most related and necessary information for decision making was an advantage to the farm management. This Decision Support System will help to store and provide all farm animal's history sheet data and milk records and special remarks and medicinal treatment details. With the help of its database the breeding and selection of animals also become easier. Different type of searching method links help to the users to find

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