Abstract

In the field of animal care, farmers have made several breakthroughs, making sure animals are well fed at the right time and not being neglected. However, there is yet much problem in the homes and other areas where animals are being used. Radio Frequency Identifier (RFID) are being used mostly in farms to identify the animals in case of theft, and in order to recognize and differentiate the animals. However, that does not help in making sure they are fed at the right time and adequately taken care off when their owners are not available to do so. This study focuses on solving the problem of adequately caring for pets and animals either by feeding, checking their wellbeing, and other challenges associated with their welfare through mobile device system using intelligent RFID technology that incorporates both hardware and software developmental tools to can handle these responsibilities without human intervention. This study is a follow up to an earlier study on animal care automated system published in the November edition of IJCA journal on the hardware architectural aspect using RFID tags to different animals, in other to observe behavior and other key wellbeing measures that offer a comprehensive depiction to animal welfare.
References

2. Nagletal. (2003). Monitoring and classifying the behavior of a herd of sheep using ad hoc wireless sensor networks and artificial intelligence, 7th World Congress on Computers in Agriculture and Natural Resources Conference Proceedings

Index Terms

Computer Science
Information Systems

Keywords

Radio Frequency Identifier, Animal wellbeing, Event manager Information, Validation of images, Software process Development.