Design and Implementation of SMS Based Cattle Healthcare System for Mandera County, North Eastern Kenya

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Abstract **- In general, across Africa, livestock sector provides a large proportion of agricultural value added, almost one third and in some countries more than one-half. Close to two third of the value of edible livestock products is generated by cattle (meat and milk), sheep and goats (meat and milk) and poultry (meat and eggs) contribute about quarter each. However, Mandera community in North Eastern Kenya province are pastoralists and does not settle in one place. With the increase of disease diagnosis, and lack of available veterinary created the need to limit animal health-related risks and major consequences of disease outbreaks. In this paper, the authors analyse the current cattle healthcare issues in Mandera County and proposes an SMS bases system that farmers themselves query for animal healthcare information. Finally, at the end a further recommendation and suggestions are presented.**

Keywords: Cattle Healthcare, SMS Based System, Kenya

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