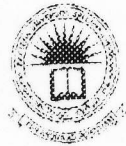


**A REVIEW ON ADAPTATION OF SMART FARMING
TECHNOLOGIES IN DRYZONE AGRICULTURE**



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A RESEARCH REPORT SUBMITTED IN PARTIAL FULFILMENT OF THE
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ABSTRACT

Agriculture plays an important role in the economy of the world; the entire world depends on agriculture for survival. Over the years there has been an increase in the demand for agriculture production especially considering the increasing in the world's population and the need to provide food security in different part of the world. With the introduction and advancement in technology new farming methods have been introduced, which are slowly replacing some of the commonly used traditional methods of farming. This research is a comprehensive review of the smart farming and farmer's perception and adapting of smart farming in Sri Lanka and other developed countries and developing countries. Smart farming is a farm management concept that uses modern technology with the aim of increase the quality and quantity of agricultural products. This approach includes many of precision technologies such as the internet of Things, Data management, robot tech, Global position system, remote sensing technology, variable rate technology and other smart technologies. The most of the developed countries are used smart technologies for their farming. Since Sri Lanka is a developing country; agriculture is the most important sector of the Sri Lankan economy. This research explores current states of agriculture and the challenges on smart farming, current states of smart farming in Sri Lanka.

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