

**Mobile based agricultural information delivery system for Sri Lankan farmers**

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**Abstract**

Increasing mobile technology and mobile technology-based service delivery system to the farmers enhances the availability information. Mobile based agricultural information delivery system for farmers will replaces the existing training and visit agricultural extension system. Requirement gathering process done through a survey, interviews and through some observations to examine farmers' present sources of information, information needs and how and to what extent those needs can be addressed over the use of mobile technology. Rapid Application Development methodology has been used for the new system as the development methodology. Desktop application act as the system administrator application for the Entire solution. It enabled all the database CRUD functionalities and user handling functionalities. The system has developed in Microsoft visual studio .net environment using c sharp.net as the development language. MySQL is used as the relational database management system. The new system has more functionality to overcome the difficulties faced in the existing manual agricultural extension system. Information related to variety of seeds will be delivered through SMS. The Aim of this project is to develop a Mobile based information delivery system for farmers. Which will provide a better and improved agricultural extension system to overcome the conventional training and visit agriculture system's difficulties.

**Keywords:** Agricultural extension, farmers, mobile technology, SMS