

# Smart Agri Farming

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**Abstract:** Agriculture is the major source of income in countryside areas. Agriculture is one of the main livelihoods in India and great impact in the Indian economy. Agriculture sectors net share in the country's GDP is 17.32 %. Society is going through technological era. Rural mobile subscriber base has been increasing steadily over last seven years. With the widespread availability of smartphones and internet, there is a huge potential for supplying essential information via this means. The project also discusses the scope of the applications, and what improvements must be made to make them reach to a wider audience. It bridges the gap between the availability of agricultural input, and delivery of agricultural output and agriculture infrastructure. Application of IT is associated with markets in the developed countries where capital intensive method of agricultural production is followed. However, in a country like India where rural base is wide, its relevance cannot be overlooked. In addition to facilitating farmers in improving the efficiency and productivity of agriculture and allied activities, the potential of IT lies in bringing about an overall qualitative improvement in life by providing timely and quality information inputs for decision making. The term digital market means a platform that is dedicated to integrate farmer, Merchant/Markets, government and end user and thereby bridge the gap between them. It also let everyone to be updated with the changing market scenario. Indian farmers faced many challenges and one of them is that to get a good profit for the efforts and investment that they had put in.

**Keywords:** Sensors, Web Camera, electromyogram(EMG), human, computers, natural interaction, human computer interface, OS.

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