



# **LITERATURE SURVEY OF IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE**

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**Abstract:**

Harvester have to preserve their crop from weeds, illnesses, and insects as well as aligned with unfavourable weather conditions like hail and frost. These challenges are well-known. However, they also have to deal with the major difficulty of preservation their crops from wild creature that could critically spoil their cultivated crops by nibbling on plant portions or trampling them underfoot. Due to space and the expenditure of hiring workers for this purpose, habitual monitoring of fields is not feasible as the greater part of farmers avoid their fields. The accessibility of low-cost, simple-to-install, and user-friendly solutions to these issues is now possible thanks to modern technologies. This learning intends to create and arrange an IoT-based security system for agricultural fields that can identify and be in touch employing a PIR sensor and a GSM module, wild animals. When an animal enters a certain region, it sends the farmer's phone an SMS alert. It enables farmers to shield crops in a appropriate manner. To verify the security system's applicability and possible future enhancements, it is implemented in a real-world setting.