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| **TITLE** | **HOW DOES IT RELATED TO MY STUDY** | **USED METHODOLOGIES** | **LIMITATIONS** | **RECOMMENDATION FROM THIS PAPER** | **YEAR, PAGE NO., ISSUE DATE** |
| Crop Protection System from living objects and fire using Arduino | Crops in farms are over ravaged with the aid of nearby animals and fire. This system is related by protecting the system from animals and fire. | Use of Motion sensor to alert the microcontroller to do the require action. | It does not protect the crop from Insects. | To protect the crop from the insects too and increase its efficiency. | IEEE, 452-456, July 2019 |
| IoT in Agricultural crop protection and power generation | This paper mainly addresses power generation and rainwater harvesting as an influence generation method. | Generation method using energy together with crop protection. | It is only based on the power generation. | Power and Water alone is not enough for the crop’s growth. | IEEE, 38-39, Feb 2019 |
| IoT based smart crop monitoring in farm land | The system monitor the environmental conditions in and around the field. | Crop monitoring using GSM technology | It is not accurate always | To increase accuracy | IEEE, 234-236, March 2020 |
| Development of IoT based smart security | The system unravel problems like identification and protection of rodents and insects or grain stores | Wireless Sensor Networks | It can be made more robust. | Newer models can also be added and tried with time which may result in better accuracy and would make the model even faster. | IEEE, 232-253, April 2020 |
| IoT based Smart Crop Protection System | Automated irrigation scheduling, sensors automatically measure the condition of crops at their root level and determine the need of water. | Green house Automation | It can be made more accurate. | To increase the rate of accuracy. | IEEE, Sep 2022 |