

# IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

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1.Crops in the farms are many times devastated by the wild as well as domestic animals and low productivity of crops is one of the reasons for this.it is possible to stay 24 hours in the farm to guard the crops	The greatest importance is usually given to crop protection from diseases as well as to protection from wild and domestic animal. We can use Agriculture fences, Natural repellents, Biophysical barriers which secures the yield.
2. An intelligent crop protection system helps the farmers in protecting the crop from the animals and birds which destroy the crop. This system shall also includes remote monitoring and control of pump to avoid the farmer to visit the farm in night time	Technological solutions, these solutions involve the use of camers, computers, and even robots to protect plants from wild and domestic animals. Some farmers rely on scarecrows, firecrackers, bright lights, fire, beating drums and dogs to protect it from the animals.
3. Solutions Requirements:-  i)Safety of people & animal	We can save the animals by using natural repllents like fish or garlic emulsion, peppers, chili, lavender and beans. WE can also use smart monitoring system to save the time of farmers.
4. ii)Low-cost solutions, lower dependency on power	By using solar panel we can reduce the power charges and cost efficient in monitoring.
5.iii)Simple solution to suite the farmer community	We can move with natural repellents and smart monitoring system with solar power supply which is the simple and efficient solutions.