**IOT BASED CROP PROTECTION SYSTEM**

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**PROBLEM STATEMENT**

Wild animal attacks are a special challenge for farmers throughout the world. Animals such as deer, wild pigs, rabbits, moles, elephants, monkeys, and many others may cause serious damage to crops. They can damage the plants by feeding on plant parts or simply by running over the field and trampling over the crop fields. Therefore, wild animals may easily cause significant yield losses and provoke additional financial problems. More than one in three farmers stated that the wildlife affects their choice of crop. For the country as a whole, crop losses due to wildlife damage amounted to between 1.2 and 6.7 percent of the total harvest per crop and it is not possible to stay 24 hours in the farm to guard the crops. Another aspect to consider is that wild animal crop protection requires a particularly cautious approach. In other words, while utilizing his crop production, every farmer should be aware and take into consideration the fact that animals are living beings and need to be protected from any potential suffering. So we have come up with the solution of intelligent crop protection system which is low in cost as well as power consumption that helps the farmers in protecting the crop from the animals and birds which destroys the crop. This system also includes remote monitoring and control of pump to avoid the farmer to visit the farm in the night time.