**Problem statement**  
Crops in farms are many times ravaged by local animals like buffaloes, cows, goats, birds etc. This leads to huge losses for the farmer. Due to over population, it occurs a deforestation this results in shortage of food, water and shelter in forest areas. So, animal’s interference in residential areas is increasing day by day which affects human life and property causes human animal conflict but as per nature’s rule every living creature on this earth has important role in eco-system. Agriculture was the first occupation of man, and as it embraces the whole earth, it is the foundation of all other industries. But because of animals interface in agricultural land there will be huge loss of crops.

➢ So, to avoid this we proposed Smart crop protection system from animals. This is a system which uses a motion sensor to detect wild animals approaching near the field. Here the sensor signals the microcontroller to take action. The microcontroller triggers an alarm in the field by detecting the presence of animals so that farmer may know about the issue and come to the spot.

**Architecture**

