**Mahendra Engineering College, Namakkal**

(Approved by AICTE, New Delhi, Affiliated to Anna University)

Department of Electronics & Communication Engineering

IBM NALAIYA THIRAN

**PROBLEM STATEMENT**

**Project Name** **:** IOT based smart crop protection system for agriculture

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**Team Member :** P.Sowmiya, T.Vinisha, K.Thulasimani.

**Faculty Mentor Name :** Ponlatha S

**PROBLEM STATEMENT:**

In the world economy of many Country dependent upon the agriculture .In spite of economic development agriculture is the backbone of the economy. Crops in forms are many times ravaged by local animals like buffaloes, cows, goats, birds and fire etc. this leads to huge loss for the farmers.it is not possible for farmers to blockade to entire fields or stay 24 hours and guard it. Agriculture meets food requirements of the people and produces several raw materials for industries. But because of animal interference and fire in agricultural lands, there will be huge loss of crops. Crops will be totally getting destroyed.

**SOLUTION:**

To overcome this problem, in our proposed work we shall design a system to prevent the entry of animals into the farm. Our main purpose of project is to develop intruder alert to the farm, to avoid losses due to animals and fire. These intruder alerts protect the crop from damaging that indirectly increase yield of the crop. The develop system will not harmful and injurious to animals as well as human beings. Theme of the project is to design an intelligent security system for farm protection by using embedded System.