All around the world, domestic birds are a major threat in the field of agriculture causing damage to economic field crops, storage houses and also dirtying human life areas. In order to distract Lasers, Flashes, Chemicals and firing gun etc are used which nowadays do not seem very effective. In this project an effective bird deterrent technique i.e. Solar Powered Bird Scarer has been developed. For this project the conversion of the solar energy is done by the solar panel and this energy is made use of bird scarer. Solar electricity is the technology of converting sunlight directly in to electricity. It is based on photo-voltaic or solar modules, which are very reliable and do not require any fuel or servicing. Solar electric systems are suitable for plenty of sun and are ideal when there is no main electricity. Wastage of crops due to rodents, birds and animal is increasing at a faster rate. Our project aims to control wastage of crops and food grains due to birds. The main focus of agricultural engineering is to apply various engineering and technological principles in crop production to maximize production and to minimize wastage.

To solve this problem we hereby design a solar powered moving scarecrow that auto detects bird sound and operates its arms using a motor along with shouting to scare away birds and animals for good.

The system provides the following advantages:

Sound Detector to detect birds or Animal presence

Human like hand motion to scare birds and animals

Scaring Sound using speaker

Solar powered system, no external supply needed