

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

KARNATAKA, INDIA-590016



A Project Report On

BIRDS SCARCE MACHINE

(SPONSORED BY K.S.C.S.T)

A Project Report submitted in the partial fulfilment of the requirements for the award of Degree Of Bachelor Of Engineering in Mechanical Engineering Of the Visvesvaraya Technological University, Belagavi.

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2014-2015

ABSTRACT

During harvesting birds are disturbing the crops and in earlier days, a person used to guard the fields and throw stones against the birds to scare away them in the fields, and now we don't have any guard to scare away the birds during harvesting which are spoiling the crops. This is a machine which will be scanning all around, being powered by solar panel, once hearing sound will throw the disc or the stone pellets in that direction to scare away the birds. Once in a day, the discs are to be collected if disc are used, or else pellets or stones and loaded on the machine which runs automatically.

This is a machine used to scare birds which disturb the crop during harvesting. In this we are making the rotary mechanism with cams, gears, DC motors and link mechanism to operate the throwing mechanism to throw the preloaded disks in the direction of the sound. The rotary will be rotating and scanning and if any sound is heard, it will activate the throwing mechanism to throw the disk in that direction. Disks are plastic plates being preloaded at least 20nos in the container and the work is automatic. Solar panel is used in this project which gives the supply to the DC batteries to get charged.