

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM**



**PROJECT REPORT ON
“AUTOMATIC PICKER/CLEANER”**

(Sponsored by **KSCST** in **35th** series of SPP, project reference number: **35S0474**)

Submitted in the partial fulfillment of the requirement

For the award of degree in

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ABSTRACT

In India agriculture is the prime earning of the human beings but because of the industrialization and uneven rain fall and not getting the sufficient earnings in the agriculture the people are turned towards the city. In this juncture of time the agriculture is facing very acute shortage of labours. And the people who are staying in city are not hard workers To overcome this crises the duty of today's engineers is to give a solution for this kind of haunting problem.

It is difficult task of clearing unsightly and potentially hazardous debris from grassy region; we can't use workers on foot to pick up the debris by hand or with stabbers and it's too costly and time consuming. But the job has to be done.

In coastal area and beach side we have seen lot of debris and we can't pick everything in that and not possible to clear the area neatly. In cultivated land as in rough graded/scarified soil before seeding/breeding we have to pick the stones, roots, wood pieces and similar debris from the soil to make it clean and neat.

For this task lot of workers and more time is needed and also the work is not efficient from the workers and is not satisfied. The task was arduous and dangerous involving back-breaking and also labor-intensive work which needs more capital.

In this project an attempt has been made to overcome all the above said problems. Our team has designed and developed a model called "**Automatic Picker/Cleaner**". The main objective of this project is to eliminate the down time and wasted time waiting for workers who are running around the area and trying to clean, the cost of cleaning and manual picking of hazardous debris, stones etc...