



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodabidri, Mangalore Taluk, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF CIVIL ENGINEERING

From,

Dr. H Ajith Hebbar

Head of Department

Department of Civil Engineering

To,

The Principal

AIET Moodabidri

Sub: To grant permission for 'Seed bombing' program-reg

As subject cited above, the department is planned to conduct 'nature conservation' awareness program on 11th February 2020 by Seed bombing. So I hereby request your kind approval for the same.

Thank you,

Date: 07/02/2020

Place: AIET, Moodabidri

H.O.D.

Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225

PRINCIPAL

Alva's Institute of Engg. & Technology,
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A Report

On

“A Seed bombing Programme for increasing Green cover”

2019-2020

DEPARTMENT OF CIVIL ENGINEERING

The seed bombing program conducted on 11th February 2020 as 'Nature conservation awareness program' by students of Civil Engineering department of Alva's Institute of Engineering and Technology, Moodabidri.

OBJECTIVES

The main concern of this activity was to inform and guide the local people and individual on how far the nature conservation and how to use the seed bombs. The broad objectives of the study were as follows:

- To Increase the Afforestation.
- To assess the level of knowledge of local people about the Nature.
- Students will learn a new method for dispersing seeds that has both artistic and historical value.

Introduction

We live in times when trees have become endangered commodities. Whether it is to build colossal apartments or metro stations and steel flyovers, trees are often the silent victims of modernization. While policy changes are crucial to bringing about sustainable change, nature-loving citizens of all ages have taken to greening their surroundings with an explosive idea—seed bombing!



Though it has found global fans in recent years, historical records suggest that seed bombing existed even in ancient Egypt. Its popularity is attributed to Japanese farmer Masanobu Fukuoka, who repurposed the technique for boosting food production in his farms. Since then, seed bombing—also known as aerial reforestation, seed balling and seed grenades—have been employed in many countries including India.

Seed bombs were a traditional method of planting for many Native American tribes. Seed balls are great for dry or arid climates. The clay surrounding the seeds protects them from blowing away, getting eaten by birds or other animals and from drying out in the sun. Seed balls sit on top of the soil until sufficient rain comes, and then the compost and clay act as nutrients to nourish the emerging seedling. Seed balls are great for throwing out into areas with poor soil since you do not have to plant them.

Seed bombs and are sometimes used in urban areas to plant guerrilla gardens. The 'Seed bombs' are thrown over fences onto derelict land to create more beautiful spaces. For derelict land, a minimum of ten seed balls per square meter is required.

The Department of Civil engineering, Alva's institute organised an activity to promote "Nature conservation" On this occasion, 48 students of Civil Engineering Department have participated in this campaign. All participants have taken oath to make and keep Nature in Good condition.

This activity will make 7000-9000 seed bombs and can be a fun and tactile way to engage students in gardening. Here used 8 varieties of seeds that attract beneficial insects including: Teak, Tamarind, Acacia, Indian Beech, Athi etc.,

The steps we are taken in the making of seed bombs

- Collection of different variety of tree seeds from native places of the students during the vacation.

- Preparation of seed bombs by hand rolling the mixture of seed, soil, cow dung and water.
- Storage and preservation until dryness.
- After the dry of Seed bombs, students distributed the Seed bombs to the near by village people by explaining the importance of nature, conservation of nature ,about the seed bomb how to use the seed bomb etc

Types of seed

Collected Seeds



Hand rolling of seed bombs



Distribution of Seed bombs to Villagers on 11th February 2020



Conclusion

This activity has brought a sense of team work, enhancement of communication skills, behavioural approach and interaction with local peoples of the individuals towards the betterment of one aspect.

We are thankful to our teachers, mentors, guidance team, staff, and helpers to be an active part of such an organised activity.

To conclude with this activity played a major role for an individual to develop the nature.