



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
Deemed to be University under section 3 of the UGC Act 1956



DEPARTMENT OF BIOTECHNOLOGY
ZERO PLASTIC WASTE -11-4-2023 & 12-4-2023

IN AVIT CAMPUS TO ATTAIN SDG GOAL 15- LIFE ON LAND

Introduction

The Sustainable Development Goal 15: Life on Land aims to protect, restore, and promote the sustainable use of terrestrial ecosystems. One of the biggest challenges to achieving this goal is plastic waste. Plastic waste not only affects the environment but also threatens the health and well-being of humans and animals. Therefore, it is crucial to take steps to reduce plastic waste to attain SDG-15 goal life on land. This practice emphasize on the actions taken to remove plastic waste from our college campus.

Context That Required the Initiation of the Practice:

Plastic waste should be removed from college campuses for several reasons like:

- **Environmental impact:** Plastic waste can take hundreds of years to decompose, and during that time, it can harm the environment by leaching toxic chemicals and harming wildlife. Removing plastic waste from college campuses can help prevent this damage.
- **Health concerns:** Plastic waste can also pose health risks to humans. When plastic waste is burned or buried, it can release toxic chemicals into the air and water, which can be harmful to human health.
- **Aesthetic appeal:** College campuses are often beautiful and well-maintained, and plastic waste can detract from their aesthetic appeal. Removing plastic waste can help keep college campuses clean and attractive.
- **Educational value:** By removing plastic waste from college campuses, students can learn about the importance of environmental stewardship and the impact that their actions can have on the environment. This can help them become more responsible and conscientious citizens.

These reasons made us to remove plastic waste from college campuses which is an important step in protecting the environment, promoting public health, creating a clean and attractive campus environment.

Objectives of the Practice

The objective of removing plastic waste from college campuses is to create a sustainable and healthy environment for students, faculty, and staff. By removing plastic waste, colleges can reduce their carbon footprint and minimize harm to the environment.

Actions Taken:

To reduce plastic waste on our college campus, we launched education and awareness campaigns during the symposium INNOVAVIT 2023 held from April 11–12, 2023, to inform students, faculty, and staff about the negative impacts of plastic waste and the importance of proper waste disposal. The students and the faculties were informed about the awareness and danger that plastics might bring to the future and the necessity to reduce their use. Students and faculty were involved in placing the bins at strategic locations on the college campus, such as near cafeterias, classrooms, and outdoor areas. Apart from the above, the faculties and students actively participated in the recycling effort by collecting the plastic waste throughout the campus and placing it in the recycling bins.

Outcome of the Practice

The actions taken to remove plastic waste from our college campus have given positive results. The following are some of the outcomes:

- The amount of plastic waste generated on campus has reduced significantly. This is evident in the reduced frequency of plastic waste pickups from the campus.
- The recycling bins placed around the campus have been well-utilized, resulting in an increase in the amount of plastic waste recycled.
- There has been a positive change in the behaviour of students, faculty, and staff towards plastic waste. Many have adopted the use of alternative products such as reusable bags, water bottles, and food containers.

SDG Goals Achieved:

Removing plastic waste from our college campus has been a success, and we are on track to achieving SDG goal life on land. The actions taken have not only reduced plastic waste but also created awareness among students, faculty, and other staff members on the importance of proper waste disposal. However, we must continue to promote education, awareness and adopt innovative solutions to achieve a sustainable environment. We recommend that other institutions follow our example to reduce plastic waste and achieve SDG goal life on land.





AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
Deemed to be University under section 3 of the UGC Act 1956



APPROVED BY AICTE





AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
Deemed to be University under section 3 of the UGC Act 1956



APPROVED BY AICTE





AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
Deemed to be University under section 3 of the UGC Act 1956



APPROVED BY AICTE



TECNO
SPARK