

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi – 590014



**NSS REPORT
ON
“WASTE MANAGEMENT”**



Submitted in partial fulfillment of the requirements for the award of the degree of

**Bachelor of Engineering in
Artificial Intelligence & Data Science
by
HARSHITHA.V
1KG22AD020**



**DEPT. OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT,
BENGALURU – 560109
2023-24**



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPT. OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE



CERTIFICATE

This is to certify that the NSS activity entitled "**Awareness on waste management**" is carried out by **HARSHITHA.V (1KG22AD020)**, bonafide student of KSSEM in partial fulfillment for the award of Bachelor of Engineering in **Artificial Intelligence & Data Science** under Visvesvaraya Technological University, Belgaum during the year 2023-24. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report and deposited in the department library. The report has been approved as it satisfies the academic requirements in respect of activity prescribed for the said Degree.

NSS Co-ordinator signature

NSS Program Officer signature

Head of the Department signature

Principal signature

CONTENTS

Sl No.	CONTENT	PAGE NO.
1	Introduction to NSS	4
2	Waste Management	5
3	Conclusion	6

CHAPTER 1

INTRODUCTION TO NSS

National Service Scheme (NSS) was launched during 1969, the birth centenary year of Mahatma Gandhi, in 37 universities involving 40000 students. NSS is an extension dimension to the higher education system to orient the student youth to community service while they are studying in educational institutions. It is being implemented by the Ministry of Youth Affairs and Sports, Government of India. The National Service Scheme, commonly referred to as NSS, is a flagship youth-centric program in India that aims to foster social responsibility, community engagement, and personal development among students. NSS encourages students to actively participate in various community service activities and contribute to the betterment of society. Rooted in the principles of selfless service and civic consciousness, NSS plays a pivotal role in nurturing socially conscious citizens who are dedicated to addressing the diverse needs of their communities. Through its multifaceted initiatives and projects, NSS not only brings about positive changes at the grassroots level but also instills valuable life skills and values in the participating students. This report highlights the activities undertaken as part of NSS, showcasing the impact and significance of these endeavors in promoting social welfare and holistic development.

Motto of NSS

The motto or watchword of the National Service Scheme is "**NOT ME BUT YOU**".

Aims and objectives of NSS

1. To understand the community in which they work and relation to their community.
2. To identify the needs and problems of the community and involve them in problem solving process.
3. To develop among themselves a sense of social and civic responsibility;
4. To utilize their knowledge in finding practical solution to individual and community problems;
5. To develop competence required for group-living and sharing of responsibilities;
6. To gain skills in mobilizing community participation;
7. To acquire leadership qualities and democratic attitude;
8. To develop capacity to meet emergencies and natural disasters; and
9. To practice national integration and social harmony

CHAPTER 2

WASTE MANAGEMENT

INTRODUCTION

An engaging and creative session focused on craft and drawing was organized for the students. The event aimed to nurture their artistic talents and provide a platform for self-expression. Through hands-on activities, the students were guided through various crafting techniques and drawing exercises, fostering their imagination and fine motor skills. The workshop not only encouraged artistic growth but also promoted teamwork and collaboration among the participants. The students were enthusiastic and actively involved, showcasing their unique perspectives through vibrant artwork. The event served as a platform to enhance their confidence and creativity, allowing them to explore their potential beyond academics. This initiative aligns with NSS's mission to instill holistic development and a sense of social responsibility, as I believe that a wellrounded education encompasses both academic and artistic growth.

TALK ON WASTE MANAGEMENT

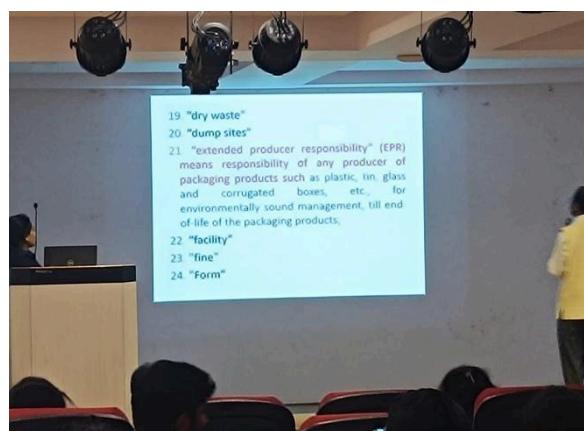


SOLID WASTE MANAGEMENT

The term solid waste management mainly refers to the complete process of collecting, treating and disposing of solid wastes. In the waste management process, the wastes are collected from different sources and are disposed of. This process includes collection, transportation, treatment, analysis and disposal of waste.

SOURCES OF SOLID WASTE

- Solid domestic garbage.
- Solid waste material from various industries.
- Solid agricultural waste.
- Plastics, glass, metals, e-waste, etc.
- Medical waste.
- Construction waste, sewage sludge



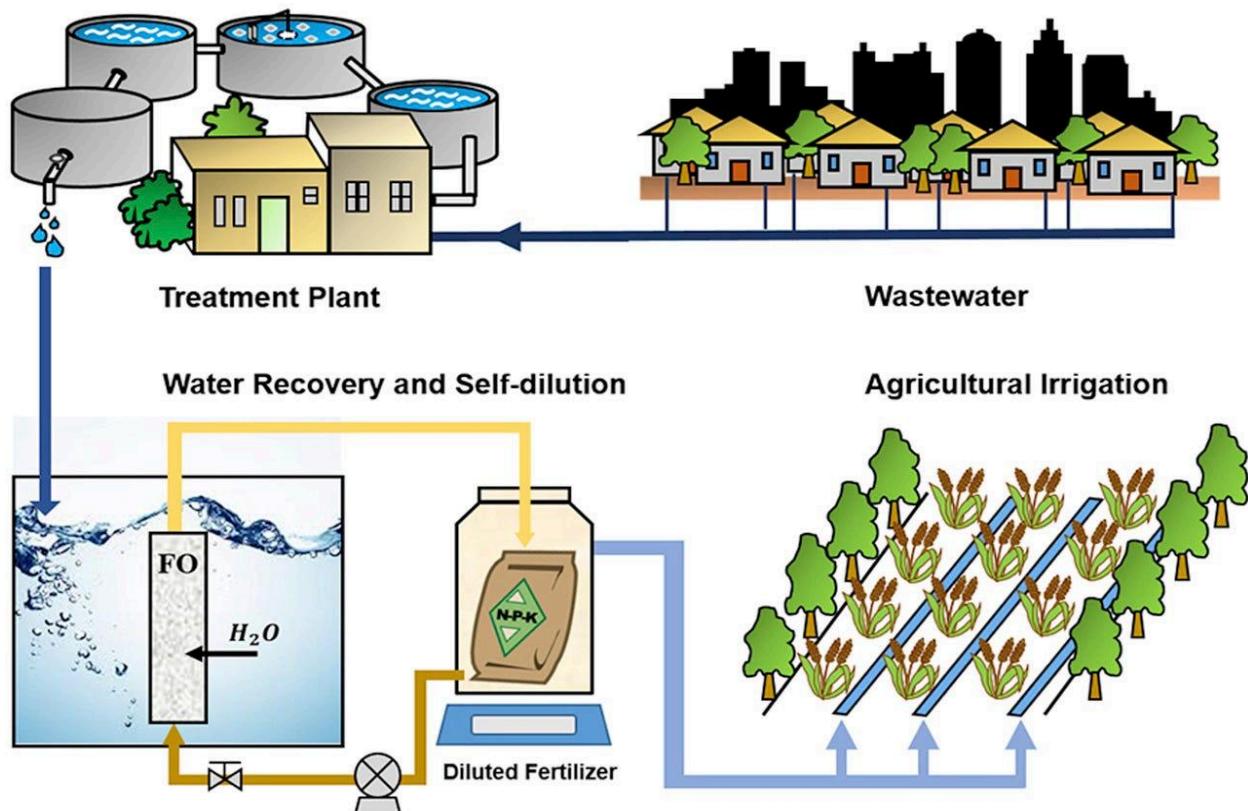
Bengaluru generates about 3000 - 3500 tons of Solid Waste daily. The BBMP is carrying out collection, street sweeping, transportation, processing and disposal of Municipal Solid Waste from generators. BBMP has a system of door to door collection for collecting the MSW. The MSW collected has to be processed before land filling. BBMP has taken several steps to streamline the MSW management in the city.

In India, a past stage, there has not been a ton of compelling waste administration knowledge. Regardless, since the latest couple of numerous years, the executives' waste has been developing perpetually. Successful waste administration ensures proper confinement of waste at source and assurance that the waste encounters assorted reusing and asset recuperation streams.

By then, lessened last development is then saved experimentally in sterile landfills. Sanitary landfills are conclusive strategies for eliminating unutilized MSW from waste handling offices and various types of inorganic waste that can't be reused or reused. The massive requirement of this strategy is over the top transportation of MSW to faraway landfill destinations.

LIQUID WASTE

Liquid waste management is another major area of waste management that requires explicit interventions of the authority to be managed properly. Though harm caused by exposure to waste materials are determined by multiple factors, usually liquid wastes are more toxic than solid wastes due to its potential of easier intake by human body. Besides, because of its fluid nature, it is often tough to manage and treat liquid waste materials without the interventions of sophisticated tools and mechanisms. Among the various types of liquid waste, some of the most harmful ones are sanitary waste, dairy waste, liquid industrial waste, laboratory wastes, and so on.



CONCLUSION

In conclusion, our NSS activity proved to be a transformative journey that transcended individual efforts and fostered a sense of community and social responsibility. Through our collective endeavors, we not only addressed specific societal needs but also cultivated a spirit of empathy and altruism among the participants. The impact of our initiatives, whether it was community outreach, environmental conservation, or educational support, resonates not only in the tangible improvements we witnessed but also in the intangible bonds forged between volunteers and the communities we served.

This experience underscored the significance of active citizenship and the potential for positive change when individuals unite for a common cause. The lessons learned during this NSS activity will undoubtedly resonate in our future endeavors, inspiring us to continue contributing to the welfare of society. As we reflect on the challenges overcome and the milestones achieved, we recognize the enduring value of service to others. The success of this NSS initiative serves as a testament to the power of collective action and the enduring impact that committed individuals can have on the betterment of society.