

WASTE MANAGEMENT AUDIT


Academic Session 2021-22



**PRANANATH COLLEGE (AUTONOMOUS),
KHORDHA**

Signatures of Audit Members

MRS. SUDHANSUMALA ROUT


Principal
PRANANATH COLLEGE
(Autonomous)
KHORDHA

AUDIT REPORT

2021-22

WASTE MANAGEMENT IN OUR PRANNATH COLLEGE (AUTONOMOUS), KHORDHA

1. INTRODUCTION

Waste product management is an art. It requires application of thought process keeping in mind to save and clean the environment. It is obvious that in our day to day college activities waste product will emerge on daily basis like waste from class rooms , canteen , laboratories, library, toilets, computer labs , college campus and so on, which requires efficient management in order to keep and maintain the campus clean and to recycle it for its alternative use. Our institution has chalked out intelligently the waste management policy , by setting of different tier of teams to ensure zero level dirtyness. The college management has set up the policy and adopted the critical waste management programme to minimise on daily basis

- a. Generation of waste product
- b. Waste related environmental impact
- c. Waste for its recycle and best use

2. OBJECTIVE

The main objective of the solid waste and e-waste system in our college campus is to promote the environmental management and conservation .The main purpose of the current available system is

- a. To minimise the generation of waste
- b. To reduce air and environment pollution
- c. To protect ground water sources
- d. To ensure sustainability
- e. To teach the young generation on the green life style
- f. To reduce the volume of the solid waste stream through the implementation of waste reduction and its recycling programmes
- g. To ensue zero waste by 3R's value approach(i.e Reduce, reuse and recycle)
- h. To recycle today for better tomorrow
- i. To maintain waste separation money generation
- j. To minimise the use of land fills for solid waste management
- k. To keep the living beings safe and healthy
- l. To promote re-use of different things who have fulfilled their purpose
- m. To promote recovery of energy from waste materials
- n. To introduce and make aware of students over the real concern of environment and its sustainability
- o. To secure environment and to cut down the threats posed to human health

- p. To generate employment
- q. To ensue environmental protection

3. PRINCIPLES

Major seven principles are

- a. Recycle
- b. Reduce
- c. Refuse
- d. Reuse
- e. Repair
- f. Re Gift
- g. Recover

4. TYPES OF WASTE GENERATION IN OUR COLLEGE CAMPUS

- a. Food waste (dry and wet)
- b. Recyclable papers, card board , plastic and glasses
- c. Student cloth and house wares
- d. E-waste i.e old computers and its accessories
- e. Chemical waste generation in laboratories , detergent from cleaning activities
- f. Waste from maintenance like paints , solvents, lubricants , fluorescents , tube lights
- g. Biological waste generated from laboratories ,decaying of plant, dried leaves etc
- h. Waste generation old and unused furniture items
- i. Waste generation from old and unused text books
- j. Waste generation from construction supplies like concrete , cement , bricks , old paints, clay , plaster , wires and bricks.

5. WASTE MANAGEMENT IN OUR COLLEGE CAMPUS

- a. Separate Bins for re-cyclable and non re-cyclable waste have been kept throughout the college campus
- b. Awareness programmes among the students have been organised through different slogans , posters making and drawing competitions in our college to educate the students over 3R's principles i.e reduce, reuse and recycle for waste management
- c. About three nos of covered waste transport vehicles are being used to dump the waste on the open area meant for keeping waste product to reduce air pollution
- d. Waste papers , plastics are being sold regularly to the local vendors for its recycle use
- e. E-waste management like computer , Television , Printer on their long use become obsolete are sold to local vendor for its repairing and reuse
- f. As tree dropping , lawn management and canteen waste are the major source of solid waste creation on daily basis , these are regularly monitored through our college volunteers like NCC , NSS, Rovers and Rangers to dump the waste products in the pump yard to reduce solid waste

- g. Our college has made it mandatory for the students to submit their project works without using plastic materials in order to minimise plastic waste related pollution
- h. Around our college campus the drainage system has been well connected to release the waste water through near by sewerage line.
- i. Some areas within our college campus have been earmarked as vermicompost for dumping daily wastage to decompose it for re-use in the garden as black compost. It is a bright example of waste management waste recycling process.
- j. All toilet blocks of our college have been connected to near by sewerage line network of the campus
- k. The college management have appointed nos of sweepers to clean the college campus, toilets, class rooms on daily basis
- l. The daily solid waste collected by sweepers are being thrown on a particular identified area within the college campus to burn it by lighting fire in order to keep clean campus and to save the environment.

6. CONCLUSION

Our college management created waste management teams have the target to keep zero level of waste related environment in order to maintain green life style for our college employees and students. The motto of our college management is to ensure zero waste by appointing different tier of waste management team by including staff and students.

SLOGANS

"When you refuse to reuse, it is the earth you abuse"

"Go green, Reduce, Refuse, and Recycle"

"Reuse the past,

Recycle the present

Save the future "

7. PROBLEM FINDING IN WASTE MANAGEMENT IN OUR COLLEGE CAMPUS

- a. Separate renewable and non renewable large size dustbins should be placed at different places within the college campus
- b. Food waste dustbins should be earmarked separately
- c. Separate waste dumping area to be identified for dumping large quantity of waste product

- d. There should be minimum two nos of small waste product carrying hand plying vehicles for collecting on daily basis waste product and dust In order to make it easy to keep the campus clean regularly.
- e. Sweepers to be appointed separately for the waste product cleaning management in our college
- f. Existing drainage system to be modernised suitably by connecting to common sewerage line.
- g. Posters with slogans and pictures related to waste product management should be placed in the main entrance areas of the college meant for creating awareness among the employees and students

Sreedhancumalath
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SANITATION AND HYGIENE AUDIT

Academic Session 2021-22



**PRANANATH COLLEGE (AUTONOMOUS),
KHORDHA**

Signatures of Audit Members

DR. LADUKESH PRASAD MISHRA

SANITATION AND HYGIENE

Educational institutions play a significant role in fostering healthy learning and ensuring a community's health. When educational institutes practice cleanliness and hygiene, the overall health of students, their attendance rate and learning outcomes improve tremendously. After family, as the basic unit of society, schools and colleges contribute heavily to the overall health and hygiene of students. If every educational institute in India has an optimally functioning system of sanitation and hygiene facilities, then institutes are in a greater capacity to secure student's good health, learning and overall development. Clean schools and colleges lead to clean communities, which in turn make clean country. This is why the national campaign 'Swachh Bharat: Swachh Vidyalaya' emphasizes promoting appropriate hygiene practices in schools and colleges and behavior among students.

Prananath Autonomous College is a premier institution of Odisha State having Higher Secondary to Post Graduate level of teaching with more than seven thousand students. A safe environment to study for students is our top priority. As parents, we want our students to learn in an with a clean classroom, sanitized washroom, and canteen. This will prevent extracting various diseases and infections.

The college organized orientation programs for teachers, students and non-teaching staff in order to attain co-ordination for the sake of maintaining hygiene. The habit of wearing masks, maintaining physical distance, appropriate disposal of garbage, zero-tolerance for littering, minimum loitering and maintaining proper hygiene standards etc. was encouraged.

The following practices were adopted during post pandemic period (2021-22 academic session)

- The class rooms were sanitized regularly
 - No student allowed to sit in the classroom without wearing mask
 - While entering into the classroom they were instructed to sanitize their hands properly
 - Students were allowed to sit in the classroom with about one meter gap between them.
 - Floor of staff and class rooms, laboratories and corridor were regularly cleaned
 - Washrooms were regularly cleaned twice a day
 - Health checkup camp were also organized.
 - Covid (Antigen) tests were done in hostels
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Ratnayath
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Kadukudy R. Mohan
20/2/23

SANITATION AND HYGIENE AUDIT REPORT

ACADEMIC YEAR-2022-23



Submitted by

Dr. Ladukesh Prasad Mishra *Ladukesh Prasad Mishra*

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PRANANATH COLLEGE (AUTONOMOUS),
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Partipathy
08.08.2023
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Introduction

A clean, properly sanitized environment provides a healthy working environment in each and every organization. Along with provision of healthy sanitized environment the organization should undertake sanitation and hygiene audit to supervise the proper functioning of hygiene practices from time to time. A sanitation and hygiene audit will provide an insight into how an organization operates in a sustainable manner in terms of hygiene environment. If an organization has a sanitation and hygiene auditing process implemented already, then it should apply environmental context into a clean environment. It is an essential requirement to adopt an audit process for a sustained utilization of resources in a hygienic way.

Educational institutions play a significant role in fostering healthy learning and a community's health. When educational institutes practice cleanliness and hygiene, the overall health of students, their attendance percentage and learning outcomes improve tremendously. After family, as the basic unit of society, schools and colleges contribute heavily to the overall health and hygiene of students. If every educational institute in India has an optimally functioning system of sanitation and hygiene facilities, then institutes are in a greater capacity to secure students' good health, learning and overall development. Clean schools and colleges lead to clean communities, which in turn make clean country. This is why the national campaign "Swachh Bharat: Swachh Vidyalaya" emphasizes promoting appropriate hygiene practices in schools and colleges and behaviour among students.

The College at a glance

Prananath college Autonomous is a premier institution of Odisha state having Higher secondary to Post Graduate level of teaching with more than seven thousand of students. A safe environment to study for students is its top priority. All parent wants their children to read in a clean, well sanitized and hygienic campus. So the college has tried to provide a clean campus by taking certain measures and also carrying audit to inspect proper functioning of the sanitation and hygiene systems.

Hygiene auditing is a management tool to objectively and systematically evaluate hygiene environment and sanitization management systems.

Aims and Objectives of the Hygiene Audit

The main objectives of a hygiene audit is to achieve complete safety for both people and the environment of any organization by promoting the hygiene management and sanitization standards. The hygiene audit identifies, quantifies, describes and prioritizes the framework of hygienic environment in compliance with the applicable regulations, policies and standards. The main objectives of a hygiene audit are:

- To assess the diversity and density of microbial wealth in the atmosphere.
- To assess the waste management strategies and methods of disposal of food and human wastes.
- To check the availability of tools and materials for hygiene such as hand wash, soap, sanitiser, dryer, tissue roll, hand gloves, masks, lab coats, etc.
- To be aware of the public domain with personal and environmental hygiene.
- To ensure the facilities of sufficient ventilation, napkin disposal and waste management in the campus.
- To check the availability of effective water purification and recycling systems for ensuring the safety of drinking water.

Methodology followed in the Hygiene Audit

Hygiene auditing ensures the monitoring and safeguarding the standards of sanitation by assessing both the organizations' as well as the associated people's hygiene practices and by suggesting such establishments with proper measures of cleanliness. According to hygiene audit criteria, in order to perform hygiene audit, the methodology included different tools such as preparation of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis.

Sanitation Practices Adopted in the College

- No person is suffering from a disease or illness or with open wounds or burns among the students, teaching and non-teaching staff members including supportive staff and management people across the college campus observed during the hygiene audit which indicated the Pranath college is very keen interest in providing good hygiene atmosphere to the students and staffs.
- The sanitizing materials such as soap, liquid detergent, tissue paper roll, hand towels, etc. are made available nearby the washbasins and restrooms focussing towards the personal hygiene and sanitation.
- Appropriate dustbins and eco-friendly covers are made available at laboratories, canteens, and hostels across the campus to control the spread of wastes and contaminants from one place to another place and without harming the environmental health.
- The laboratories, classrooms, hostels, canteens, and toilets are very neat and clean with proper ventilation and exhaust system.

Recommendations

- Hygiene audit team comprising of management representatives, faculties, staff members and social aware members may be formed to inspect the different places like laboratories, classrooms, seminar halls, auditorium, hostels, canteens, and toilets to check the cleanliness and maintenance.
- In order to conduct hygiene audits effectively in organizations, training of personnel is a prerequisite for which efforts may be taken by the Organization.
- Lot of awareness programmes on personal and environmental hygiene should be conducted from time to time.

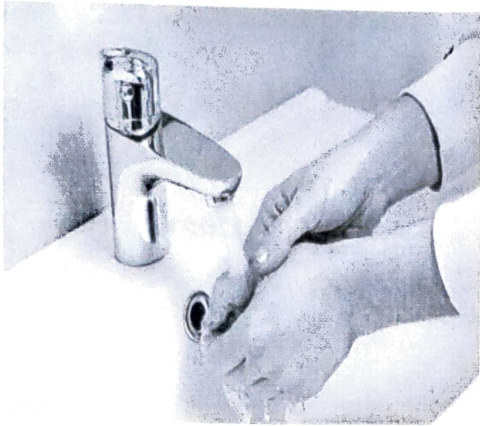
Conclusion

To conclude the hygiene audit report, Pranath college campus is an eco-friendly campus and providing pure atmosphere and personal safety to the staffs and students. In addition, a large number of awareness programmes on personal and environmental hygiene, pest management strategies adopted, sanitation methods, hygiene maintenance are being conducted regularly through NSS, Rover ranger and Red cross wings. The college also organised orientation programs for teachers, students and non teaching staff in order to attain co-ordination for sake of maintaining hygiene.

Acknowledgement

We are grateful to our Principal Dr. Ajanta Satapathy madam for giving us the opportunity to carry the Sanitation and hygiene audit.

We are also thankful to all the staff members and students of our college for their support.



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