

BEST PRACTICES FOR THE SESSION 2023-24

BEST PRACTICE I

TITLE OF THE PRACTICE

Cyber security Awareness Campaign

OBJECTIVES

- Increase awareness: Educate employees, students and community about the importance of cyber security and the potential risks associated with cyber threats.
- Protect Sensitive information: Safeguard sensitive data and information by promoting secure handling, storage and sharing practices
- Incident Reporting: Encourage timely reporting of cybersecurity incidents and suspicious activities to enable prompt response
- Promote safe Practices: Encourage adoption of best practices such as using strong passwords and recognizing phishing attempts

THE CONTEXT

This practice was initiated by Principal of our college Dr. (Smt) Sasmita Lenka with the intent to protect the institute's network, systems, and data from digital threats in the current era. Digital threats such as unauthorized access, attacks and its damage. It ensures various practices and technology involved to safeguard digital assets, ensuring confidentiality, integrity and availability.

The practice

- This begins with the awareness program in nearby community and among the students of our institute.
- Keeping the software updated, regular update of operating system and installing of antivirus software to protect against vulnerabilities
- Training and arranging sessions for employees to educate them about potential cyber threats, creating awareness on phishing, how to recognize suspicious emails, links and attachments
- Encourage Reporting of suspicious activities without any fear and ignorance

Evidence of Success

Awareness program is conducted yearly twice in our institute to reduce the cyber security activities. Different activities were conducted to ensure the cyber security activities. NSS, NCC and YRC members and other staff members also actively participated to prevent cyber security activities.

Problems encountered and resources required

Lack of understanding of cybersecurity occurred as majority of the students belongs to rural area and insufficient knowledge of technology. Without proper integration of threat intelligence platforms or a lack of threat-sharing protocols, organizations may not be aware of emerging cyber threats, leading to delayed responses or misinformed decisions.

BEST PRACTICE II

TITLE OF THE PRACTICE

EMBRACING GREEN PRACTICES IN THE INSTITUTE FOR SUSTAINABILITY

OBJECTIVES

- To educate students and staff members about sustainable practices and the importance of protecting the environment.
- To promote reuse, repair, and recycling to extend the lifecycle of products.
- To reduce chemical usage, support organic farming, and promote efficient resource utilization.
- To reduce, reuse, and recycle waste materials to minimize landfill dependency and pollution.
- To implement water-saving technologies and strategies to reduce water wastage and improve water management.
- To support eco-friendly industries, technologies, and job creation in sustainable sectors.

THE CONTEXT

The green initiatives inside our college campus includes environment awareness program, energy conservation, vermicompost production, mushroom cultivation, plantation, solid waste management and water harvesting.

Environment awareness program was held on 27th July 2023 inside the college campus by the EMS team member to shun the single use of plastic and to provide opportunity to the students to acquire knowledge, attitude and commitments to protect and improve the environment.

Energy conservation initiative was started in the college premises on may 2023 by the EnMS members to monitor the energy consumption and to minimize the excessive use of energy. It also emphasized on the renewable source of energy like solar energy to reduce energy consumption.

Vermicompost production was started in the month May 2023 by the EMS members of our college to know the procedure of vermicompost production and use the vermicompost in the college garden.

Plantation program was held on 3rd July 2023 on the occasion of Van Mahotsav to create awareness among the students, staff members and visitors on environment protection in the college campus.

Solid waste management was started in our college to promote awareness among students and staff members and to promote conservation of environment.

Water harvesting was started in the college to monitor the water consumption and to minimize the use of water. It also included rain water harvesting and waste water harvesting.

THE PRACTICE

- All the team members of EMS along with the volunteers visited all the classrooms to aware students regarding the aim and responsibilities towards environment and the impact of single use of plastic. Hence no students, staff members and visitors allowed to bring the single use plastic, polythene and carry bag inside the college campus. They also declared every Saturday as a “**Vehicle Free Day**” for a smoke free environment.
- All the team members of EnMS along with the volunteers visited all the classrooms to aware the students about the responsibilities towards energy conservation. Every month they also monitor the electricity bill to consumption of energy. They advised the students to switch off the lights and fans when they were leaving the classrooms. All the electric bulbs were replaced by the low power consuming bulbs. All electronic gadgets were replaced with high rated low power consuming gadgets. The windows were also replaced with glass windows to reduce energy consumption during day time. No students were allowed to bring their mobile charger inside the college campus to reduce energy consumption.
- The EMS team members with the help of the students added chopped bio- waste and partially decomposed cow dung into the tank up to a depth of 0.5-1.0 ft and released earthworms by covering the mixture with dry straw or gunny bags. They sprinkled water on a regular basis to maintain moisture and checked the compost for overheating.
- On the occasion of Van Mahotsav Principal along with the staff members planted a tree with a slogan “**EACH ONE PLANT ONE**”. All the walls of hostel corridor were painted with the quotations on environmental issues to spread awareness.
- For the solid waste management, two compost pit were made in the college campus (one was vermicompost pit and other is bio-degradable pit). Kitchen wastes were the major solid waste in the campus, which were used to produce vermicompost and used as a fertilizer in the college garden. Separate dustbins were installed in the college campus for bio degradable waste like paper, peels of vegetables and plastics like bottles and polythene. Waste water discharge of hostel kitchen and toilets were drained through pipeline system to sewage treatment. Eight no.of vending machines were installed to dispose the sanitary pads.
- For water harvesting, one rain water harvesting unit was constructed in front of the college building and another in the backyard to collect rain water and use in the gardening purpose. Two no. of soak pits were built in New Academic building to conserve the ground water. One water reservoir is constructed in botanical garden to store surface water.

Evidence of Success

- Environmental education is a dynamic process. So, the team members ensured that no vehicle is allowed inside the college on every Saturday. They conducted different quiz, essay and poster competitions among students to aware them about environment.
- Every month they also monitor the electricity bill to consumption of energy. They advised the students to switch off the lights and fans when they were leaving the classrooms. The volunteers were regularly checked to avoid unnecessary use of energy.