

# **REGENT EDUCATION & RESEARCH FOUNDATION**

**Group of Institutions** 

# Action taken reports

 ${\it Campus:} \textbf{Regent Education \& Research Foundation Group of Institutions}$ 

E-mail: rerfkolkata@gmail.com, Website: www.rerf.in

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## 5. Documentation

#### 5.1 Green Practices Audit

The increasing global warming and climate change have made us realise that apart from the enormous strategies the individual small efforts need to be taken by individuals and Educational Institutes as the younger generations are the future of the world and once they are taught about these practices only then can we assume a better future.

#### 5.1.1 Green practices

We observed the following points during the process.

- Waste management All the laboratories, classrooms, and cabin corridors are having dust bins. Laboratories are having dustbins wastage; Plastic bags are strictly banned on the Institute premises and canteen.
- Cleanliness Campaign The Swachha Bharat Abhiyan is carried out on Institute premises as well as off-premises.
- Universal design The Institute premises has special provisions such as ramps, lifts for the specially abled.
- Documentation of all the events The best part about the Institute is the prompt and professional response, this was observed not only in the way the Team responded throughout the project but also through the documented data submitted be it the cleanliness report or the eco club activities report; each of these were documented and presented in a sophisticated manner which is highly appreciating.
- **Garden committee** − The Institute has a distinguished garden committee who is responsible for the beautification for the premises. This team undertakes a lot of activities related to the enhancement of the landscape features of the premises. As part of our research what we observed as the best feature was the involvement and enthusiasm of each member in this activity.

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## 5.1.2 Community development

The Institute conducts environmental initiatives documented as follows:

S.	Event	Particulars	Туре	Date				
No.								
Academic year 1(2022-23)								
1	Tree Plantation	When you plant a tree, you don't just plant a sapling but hope. We have learned it the hard way that trees are extremely important for our survival. We first resorted to deforestation and made space for more buildings on earth. Later, when we saw the environment getting seriously affected, we were introduced to something called "afforestation", a simple process of planting more trees for a better future	Physical	22-03-2023				
2	Cean India Campaign(Swa chh Bharat Abhiyan)	gn(Swa could pay to Mahatma Gandhi on his 150 birth anniversary in 2019," said Shri Narendra Modi as		22-03-2023				
		Academic year 2(2021-22)						
3	World Environment Day	World Environment Day serves as a global platform for public outreach, with participation from numerous countries annually. It provides an opportunity for businesses, non-governmental organizations, communities, governments, and celebrities to advocate for environmental causes and promote green practices.	Virtual	05-06-2022				

Table 3: Details of the events undertaken by the Institute

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#### 5.2 Waste Audit

Waste is an inevitable part of our lives. The audit provides an approximation of the types of waste generated, location of waste collections, disposal techniques used, waste segregation methodologies adopted. The waste management strategies are studied and ways that can be adopted aiming to make the premise clean and sustainable are proposed.

#### 5.2.1 Waste produced

S. No.	Type of waste	Source	Current Disposal method	Can be retreated/recycled?	Methodology
1	Solid waste	Toilets-Biodegradable waste	Led into the	Yes	TREATED – Biogas plant can be initiated
2	Liquid waste	Toilets, washbasins	storm water drains	Yes	TREATED - Sewage treatment plant can be initiated
3	Paper waste	Newspaper and other paper	Given to vendor	Yes	TREATED – A recycling plant can be initiated
4	E-waste	Computers - Non- biodegradable waste	Siveri to veridor	Yes	
5	Dry waste in form of leaves	Open space & plantations, papers - Non biodegradable waste	Composting has been	Not applicable	CONTINUE with the current practice
6	Organic regular waste	Dust, dirt dust waste from indoor spaces	undertaken		

Table 4: Details of the waste management practices adopted by the team

There are 148 dustbins in the indoor areas and 48 in the outdoor areas.

## 5.3 Water Audit

Water is one of the basic needs. Pure drinking water is a resource that needs to be preserved efficiently. A water audit helps to identify the sources of water consumption, and the water requirement by the premises is met by these sources.

The effective usage of water without any wastage should be a mandatory practice. Understanding the techniques as per site context to increase water conservation in terms of awareness and practice can be identified and executed as part of this exercise.

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#### 5.3.1 Water availability and consumption

#### 5.3.1.1 Source of Primary water supply

The Institute uses drinking water for daily consumption through the 'OVERHEAD' water tanks as documented below used for primary purposes.

S. No.	Туре	Capacity (litres)	Nos.
1	Overhead	29,500	10
2	Fire tank	10,000	2
3	Rain water harvesting tank	14,000	4

Table 5: Details of the water tanks in the premises

#### 5.3.1.2 Source of Secondary water supply

The Institute uses the secondary sources of water supply for general usages such as watering plants, kitchen, toilets, and wash basins connected to the labs and other spaces. At present, there are 2 bore wells with a capacity of 5,000 litres each used as secondary uses.

#### 5.1.3.3 Source of Tertiary water supply

The tertiary source of water is the additional source of water harvesting. <u>We have suggested</u> <u>adopting practice of rain water bunds around every block and connecting the overflow pipes</u> of the artificial water pond (farm pond) to the well for ground water recharge.

#### 5.1.3.4 Source of Reusing waste water

The initiative is not under practice at present completely only the chemicals are neutralized before letting it down in the drains. However, certain measures w.r.t. academics and equipment are practiced in the laboratories include fume motor usage. We have suggested to under practices of green chemistry as per discussion to treat the waste water from the laboratories and reuse after filtering for watering the plants and the trees in the premises.

## 5.3.2 Areas of water usage

Based on the inventory done and data shared by the staff it was found that the premise has the following facilities:

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S. No.	Particulars	Nos.
1	Handicap toilets for male	2
2	Handicap toilets for female	2
3	General toilets for male	60
4	General toilets for female	24
5	Total single flush toilets	60
6	General urinals	48
7	Net-metering for water supply	8,000
8	Total taps for gardens	7

Table 6: Details of the water usages in the premises

## 5.4 Health and Hygiene Audit

The hygiene is a part and parcel of our daily life. It is extremely essential to keep the surroundings clean in the same manner as we would want our houses to be. Educational Institutes have a bigger role to play in order to affect the young minds in the positive manner through better hygienic practices.

#### 5.4.1 Facilities available

The Institution has washroom facility, hand wash, drinking water and dustbin facilities.

#### 5.4.2 Hygiene aspects

There was no major hygiene issue observed anywhere in the premises.

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# NSS Cell Maulana Abul Kalam Azad University of Technology, West Bengal



## **NOTICE**

DATE 11/03/2023

THIS IS FOR THE INFORMATION OF ALL THAT NSS CELL OF RERF IS GOING TO ORGANISE TREE PLANTATION ON 22/03/2023.

THEREFORE, ALL STUDENTS, TEACHING AND NON-TEACHING STAFF MEMBERS OF RERFGOI ARE REQUESTED TO KINDLY PARTICIPATE IN THE TREE PLANTATION EVENT ON 22/03/2023.

TIMING OF THE EVENT: 11: 00 AM ONWARDS

Trabay \* units

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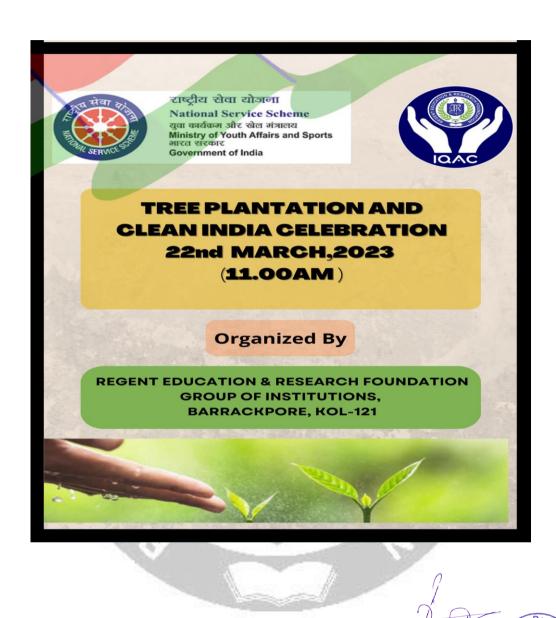
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**Title of the Practice: Tree Plantation Celebration** 

#### **Objectives of the practice:**

When you plant a tree, you don't just plant a sapling but hope. We have learned it the hard way that trees are extremely important for our survival. We first resorted to deforestation and made space for more buildings on earth. Later, when we saw the environment getting seriously affected, we were introduced to something called "afforestation", a simple process of planting more trees for a better future

#### **The Context**

Thus, we have our global Tree Plantation Day which is celebrated on 21st March all over the world. The aim behind observing the said day is to make people aware of the importance of planting trees and help them realize the same. A common practice during tree plantation day is to plant saplings in order to invest in the future

#### The Practice:

"Cleanliness is next to Godliness." To contribute in swachh bharat abhiyan activity& undertake cleanliness drive. It is everybody's responsibility and one should keep themselves and their surroundings clean and hygienic. It also brings good and positive thoughts in the mind which slows down the occurrence of diseases. It is the mantra of Mahatma Gandhiji, Father of Nation. He demonstrated, propagated and insisted for individual and community cleanliness throughout his life. Following his footprints, Swachh bharat Mission campaign achieved encouraging results. This vision will be translated into action by bringing in community participation for clean toilets and integrated waste management to make our place open defecation free, zero waste, dust free, plastic free and green. This year, NSS Cell of RERFGOI in association with IQAC cell of RERF organized this event on 22nd March, 2023.. Students have encouraged community people to join in Swachhta activity. They have participated in shramdan activity and shown their willingness and interest to keep surrounding clean.

#### **Evidence of Success:**

The Swachh Bharat Abhiyan is the most significant cleanliness campaign by the Government India. Its' responsibility of the entire citizens to keep their surrounding clean community people were encouraged to maintain their surrounding clean. Thus the students of our college have initiated one steps towardscleanliness". Around 50 students participated in this event. NSS Cell of RERFGOI in association with IQAC cell of RERF organized this event on 22nd March,2023.. Students have encouraged community people to join in Swachhta Activity. They have participated in shramdan activity and shown their willingness and interest to keep surrounding clean.

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#### **Problems encountered and resources required:**

- A major hurdle in the way is the scarcity of water. Public toilets in metropolitan cities have been reported to have no water supply at all.
- Non-availability of water in many parts of rural India makes people avoid a household or a public toilet and opt for open defecation instead.

#### **Problems encountered:**

- 1. Dust and dirt. Various kinds of trash. In places as huge as stadiums and airports, it's a must to have rubbish bins in every corner.
  - 2. Toilets.
  - 3. Thousands of seats.
  - 4. Floors.

#### Resources required:

Swachh Bharat Abhiyan is a five year long cleanliness campaign launched by the Government of India on 2<sup>nd</sup> October 2014. The campaign was aimed for making the streets, roads and offices clean from filth and garbage. One of the main objectives of the drive is to make India Open Defecation Free (ODF). The campaign also targets raising public awareness about cleanliness through rigorous media campaigns and to institute door to door garbage collection in rural/urban household and ensuring its safe disposal

Make the most of the day by working on things that don't get done often, like cleaning the chairs in the auditorium or dusting the tops of lockers. If you like, you could ask for permission to plant some flowers around campus, like in a flower bed near the school's entrance.

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#### **CERTIFICATE OF PARTICIPATION**

#### TREE PLANTATION AND CLEAN INDIA CELEBRATION

Organized By

**NATIONAL SERVICE SCHEME (NSS)** 

Regent Education & Research Foundation Group of Institution, Barrackpore, Kol-121 ON 22nd March, 2023

This is to certify that

PARTICIPATED IN TREE PLANTATION AND CLEAN INDIA CELEBRATION IN RERFGOI UNDER

NSS CELL, RERF 22.03.2023

MR. PRABAL KUMAR BASAK

CONVENER, IIC, RERFGI

DR. RAJARSHI BANDYOPADHAYA

PRINCIPAL, RERFGI

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THIS IS FOR THE INFORMATION OF ALL THAT NSS CELL OF RERF IS GOING TO ORGANISE CLEAN INDIA CAMPAIGN ON 22/03/2023 TO CELEBRATE AND CREATE AWARNESS ON CLEAN INDIA CAMPAIGN.

THEREFORE, ALL STUDENTS, TEACHING AND NON-TEACHING STAFF MEMBERS OF RERFGOI ARE REQUESTED TO KINDLY PARTICIPATE IN THE CLEAN INDIA CAMPAIGN EVENT ON 22/03/2023.

TIMING OF THE EVENT: 11: 00 AM ONWARDS

Google form link of participating student's :- https://docs.google.com/forms/d/1JbSBMMHrgevktYvZ3kwT7IFFxAsXmAfVtrWH4PFLvoI/edit

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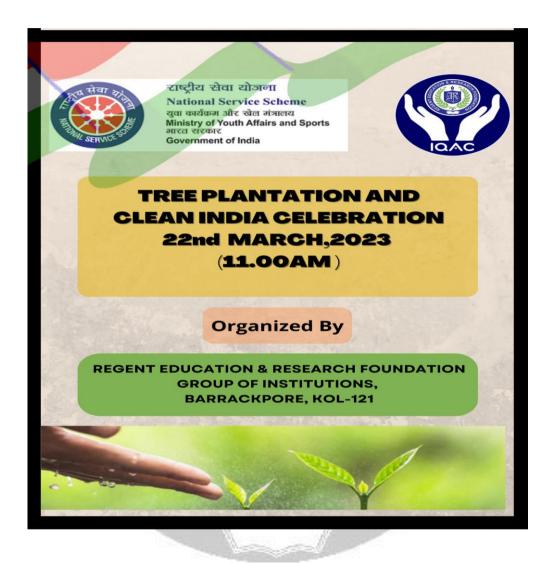
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Title of the Practice: CLEAN INDIA

#### **Objectives of the practice:**

A clean India would be the best tribute India could pay to Mahatma Gandhi on his 150 birth anniversary in 2019," said Shri Narendra Modi as he launched the Swachh Bharat Mission at Rajpath in New Delhi. On 2nd October 2014, Swachh Bharat Mission was launched throughout length and breadth of the country as a national movement. The campaign aims to achieve the vision of a 'Clean India' by 2nd October 2019.

#### **The Context**

A clean India would be the best tribute India could pay to Mahatma Gandhi on his 150 birth anniversary in 2019," said Shri Narendra Modi as he launched the Swachh Bharat Mission at Rajpath in New Delhi. On 2nd October 2014, Swachh Bharat Mission was launched throughout length and breadth of the country as a national movement. The campaign aims to achieve the vision of a 'Clean India' by 2nd October 2019. This year, NSS Cell of RERFGOI in association with IQAC cell of RERF organized this event on 22nd March, 2023. Around 50 students participated in this event.

#### **The Practice:**

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#### **Problems encountered**:

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- 2. Toilets.
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