

# REEF

## Shri Ramdeobaba College Engineers for Environment Forum

An Environment Club

of

Shri Ramdeobaba College of Engineering and  
Management, Nagpur



Engineers with a mission :  
Towards a Sustainable Environment

# Prelude



Decades have passed trying and failing at sustainable development. In today's world, loss of biodiversity, depletion of rain-forests, over-fishing, and our consumption patterns are placing an increasing burden on the planet. The increasing stress we put on resources and environmental systems such as water, land, and air cannot go on forever. The role of engineers in saving environment and affecting sustainable development is very important

because engineers can use creativity, technology and scientific knowledge to solve practical problems for conserving environment.

Keeping this idea in mind RCOEM took a small step forward by establishing REEF (Shri Ramdeobaba college Engineers for Environment Forum) on **25th January 2012** with the motto "**Engineers with a mission: towards a sustainable environment**". The idea is to make the future engineers aware of the environment and it's growing problems that can be taken care off. Engineers play a key role in development and once they're ready to strike a balance between environment and development, environment will stand a chance. REEF for the past 8 years has been conducting several activities aiming to sensitize the budding engineers towards environment. This annual report describes various activities undertaken by REEF in the session 2019-2020.

Dr. R.S. Pande

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# Team REEF

**Dr. S. L. Mudliar**

Mentor Faculty, REEF

## Members/Coordinators

1. Shreya Bharati (EN, 1<sup>st</sup> Year)
2. Vaishnavi Shinde (Civil, 2<sup>nd</sup> Year)
3. Aman Singh (Civil, 2<sup>nd</sup> Year)
4. Anubhav Pachauri (Mech, 2<sup>nd</sup> Year)
5. Vinayak Dhyani (Mech, 2<sup>nd</sup> Year)
6. Rishav Dutta (EP, 2<sup>nd</sup> Year)
7. Raunak Khandelwal (CSE, 2<sup>nd</sup> Year)
8. Kunal Khandelwal (CSE, 2<sup>nd</sup> Year)
9. Atharva Sawarkar (CSE, 2<sup>nd</sup> Year)
10. Apoorv Mandavgane (CSE, 2<sup>nd</sup> Year)

# Objectives of REEF

- A. To create awareness and take up various activities for the conservation of various aspects of environment.
- B. To establish active association with various organizations working for environmental conservation.
- C. To take up various activities for students and in the process initiate and ingrain the value of environmental conservation.
- D. To encourage the development and execution of ideas on role of technology for protection of environment.

# Activities

## 1. Water Tap Survey

Initiated for a noble cause, the “Digital Water Tap Survey” started on 28<sup>th</sup> September 2019. It aimed at conserving water, by identifying various leaking taps throughout the campus, and repairing them. The Survey was conducted in an eco-friendly manner, using online forms. The gateway was circulated through social media.

We received multiple reports and complaints, which were directed to the maintenance department for repair.



# Activities

## 2. Poster Making Competition

After declaration of “Nation-wide Plastic Ban”, it was time to spread awareness.

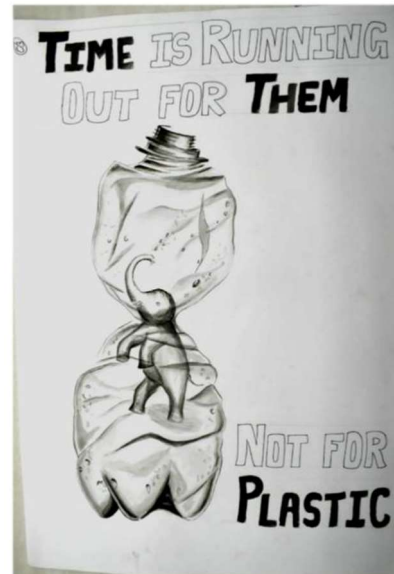
As an interactive activity, A “Poster Making Competition” was organized on 22nd October 2019. The theme was selected as : “Plastic Ban: Harmful effects of Plastic”.

The event took place at the Open Air Theatre. It saw participation of some very talented artists of our college. Hence it became difficult for our judges, Dr. S. D. Mohgaonkar and Dr. Deepshikha Mehra, to select the winners.



Winners of this competition were:

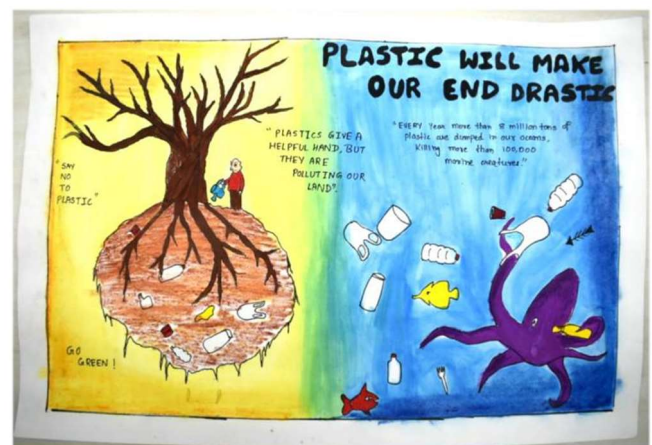
Winner  
**Anchal Yadav**  
(Civil, 1<sup>st</sup> Year)



First Runner-up  
**Shruti Kumbhare**  
(EN, 1<sup>st</sup> Year)



Second Runner-up  
**BhagyashreeChilate**  
(EN, 1<sup>st</sup> Year)





# Activities

## 3. Guest Lecture on Noise Pollution

A prominent NEERI (National Environmental Engineering Research Institute, Nagpur) engineer, Er. Satish Lokhande, was invited to deliver a speech on “Noise Pollution”, organized on 21<sup>st</sup> December 2019, in the Main Auditorium.

He has developed a “Noise Tracker” mobile application, which measures real-time noise level and indicates, whether it is within permissible limits or is exceeding it. He briefed us, and gave a tutorial to use this app.



# Activities

## 4. Nylon Removal Drive

Nylon “Manjas” are still used during the Makar Sankranti. It is a hazard to nature, and poses a serious threat to birds.

A Nylon removal drive, “Clean the GREENS”, was organized by GroWill Foundation on 19th January 2020. REEF participated and contributed towards this cleaning drive. Various urban jungles were parsed, and large amount of Nylon Manja was collected.

The Bharat Van jungle, Ambazari backwaters, and various other places were selected. Teams were made and sent to each such location to collect Manja. This Manja was then used to manufacture recycled products, and was even used to stuff inside soft toys.

**CLEAN THE 'GREENS'**  
MANJA JAMAO, KUCH NAYA BANA..

BAKULA FOUNDATION  
GROWILL FOUNDATION  
Phensafwala  
MATRIX WARRIORS  
REEF  
I Clean Nagpur  
CAG

**POST SANKRANTI CLEAN UP ACTIVITY**

📍 Sonegaon, Bharat Van and other places across nagpur

📅 19 Jan 2020

🕒 7am to 10am

SMS ENVOICARE  
RADIO PARTNER  
98.3 FM RADIO HIRWA

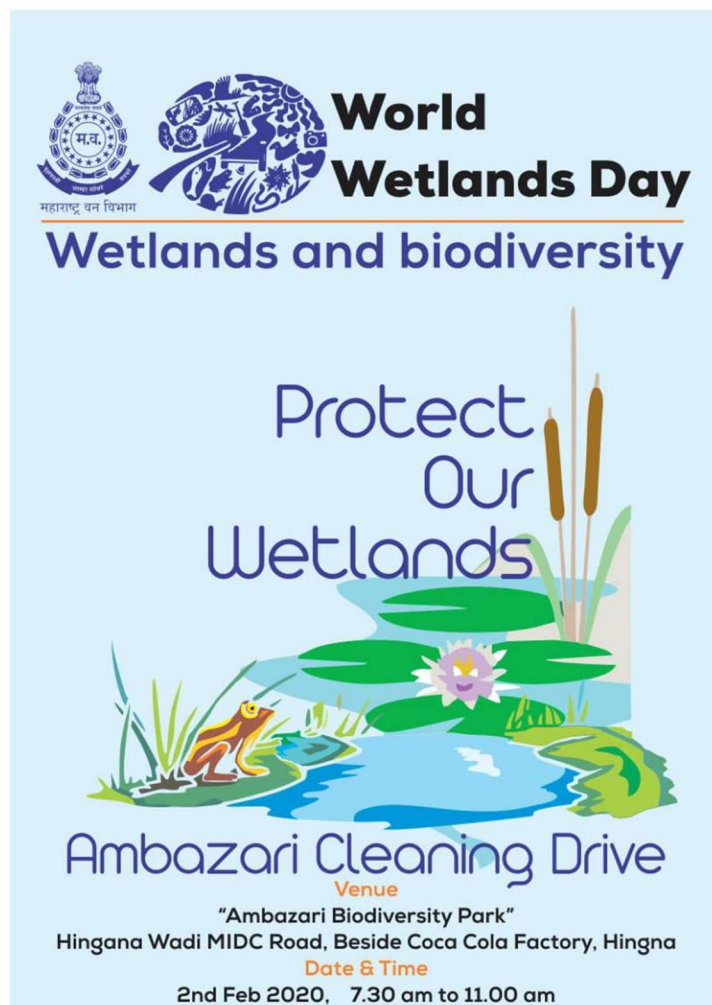
WhatsApp 9423355083 to join

# Activities

## 5. Ambazari Cleaning Drive

The Forest Department organized Ambazari Cleaning Drive, on the occasion of World Wetlands Day, 2nd February 2020. Various teams of 10-15 people were formed, and each team was allotted an area.

Each team was accompanied by forest officials and rangers, to guide them, as well as for their safety. Large amount of plastic waste was collected from each area, which was sent to recycling plants. Forest officials concluded the event by sharing the information on the biodiversity of the region.



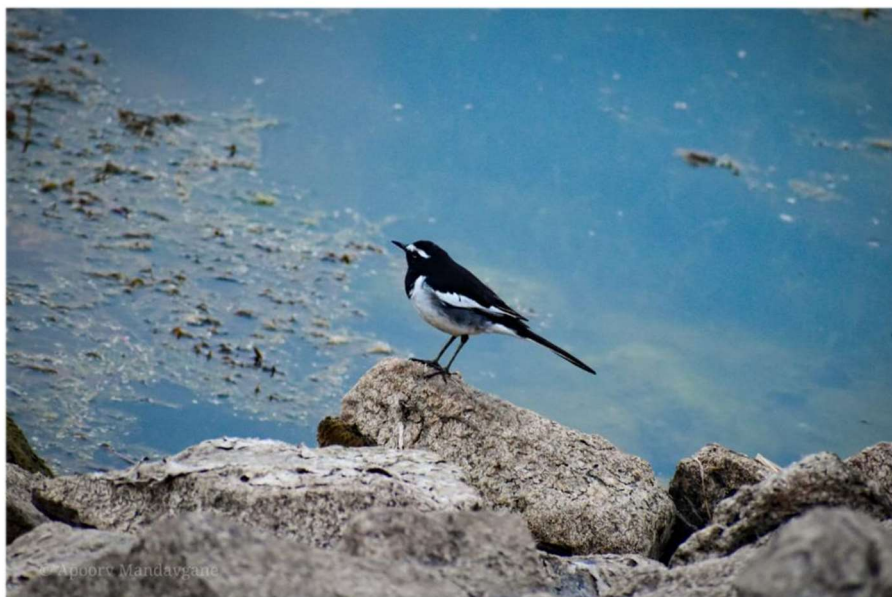
# Activities

## 6. Bird-watching / Nature Trail

It is one of the favourite hobbies of nature lovers. REEF members take out time to follow this activity. Most visited spots are Gorewada jungle, Gorewada dam site, ambazari jungle, etc.

With the guidance of experienced bird-watchers, our team is learning the art of identifying birds, and observing their behavior. This activity requires lots of patience.

Usually, weekend mornings or evenings are chosen for bird-watching, as the activity is peak at these times. Common birds, such as Cattle Egret, Green Bee Eaters are spotted easily throughout the year. Some migratory birds, such as Red Crested Pochards, Northern Pintails, Bar Headed Geese, can be spotted in and around the water bodies during winters.



# Activities

## 7. Bird Rescue

Multiple incidents have occurred when our team members were informed about injured birds in the campus. We have tried our best, to rescue them if needed. If the injury is minor, and the bird can recover on its own, then it is kept at a secure place.

In case of serious injuries, we take the birds to Transit Treatment Center, where they are treated by certified veterinary doctors.



# Gallery



Poster Making Competition participants, with REEF members



Judges Dr. S. D. Mohgaonkar and Dr. Deepshikha Mehra, with REEF Mentor Faculty, Dr. S. L. Mudliar, Prof. A. V. Bharati, and Prof. Meenal Joshi.



Er. Satish Lokhande, with REEF Mentor Faculty Dr.Mudliar and Chemistry Dept.



Er. Satish Lokhande, with REEF Members

# Nylon Collection Drive and Ambazari Cleanup Drive

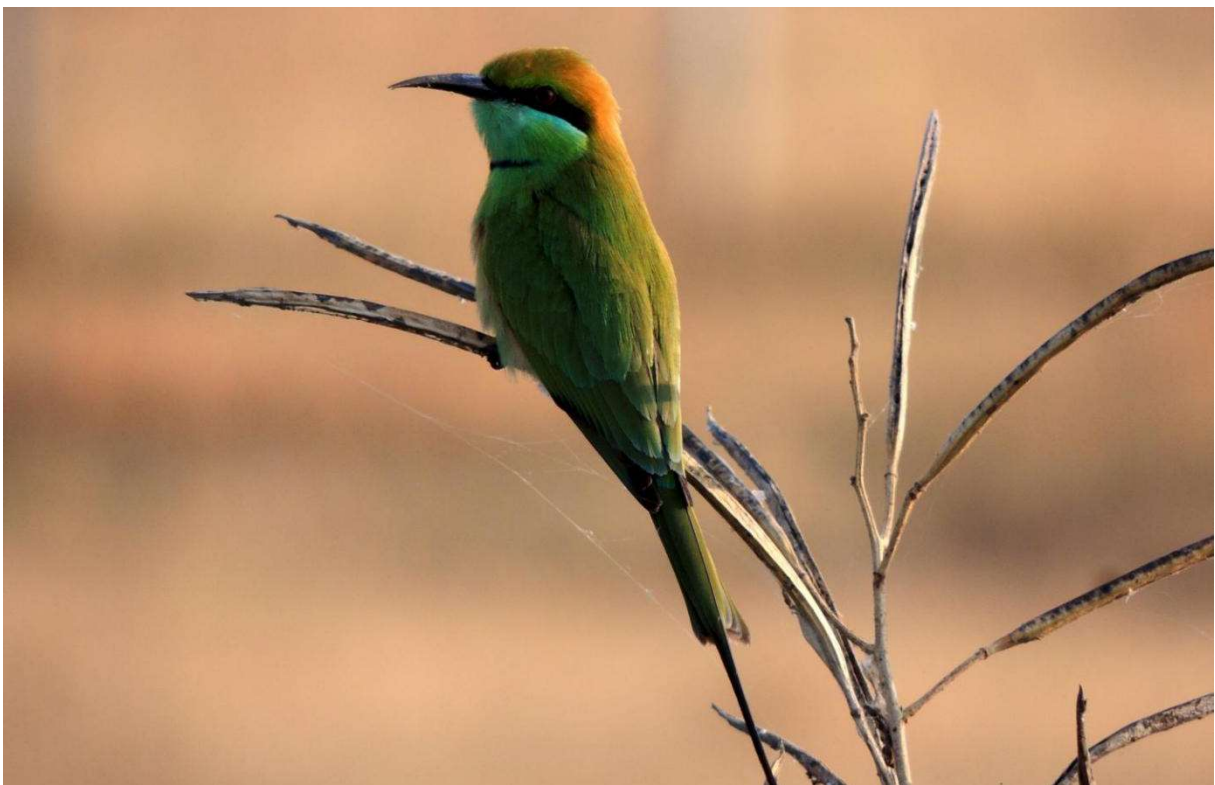




## Bird-watching Activities



Asian Paradise Flycatcher



Green Bee Eater



Cattle Egret



Little Ringed Plover



Indian Peafowl



Asian Paradise Flycatcher



Purple Sunbird