



# 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 9 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 2020-2021**.

Dr. R.S. Pande

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# Team REEF

**Dr. S. L. Mudliar**

Mentor Faculty, REEF

## Coordinators:

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

## Members:

1. Vihang Shriram Pathak  
(EEU, 2<sup>nd</sup> Year)
2. Saloni Rajeshsingh Kachhwah  
(EEU, 2<sup>nd</sup> Year)
3. Atharva Ghodki  
(EEU, 2<sup>nd</sup> Year)
4. Rishabh singh Parihar  
(EEU, 2<sup>nd</sup> Year)
5. Rutuj Runwal  
(CSE, 2<sup>nd</sup> Year)
6. Kunal Dhakate  
(EN, 2<sup>nd</sup> Year)
7. Shamsuddhoa Qureshi  
(Civil, 2<sup>nd</sup> Year)
8. Dhruv Sharma  
(EEU, 2<sup>nd</sup> Year)
9. Aveg Ganorkar  
(EC, 2<sup>nd</sup> Year)
10. Anchal Yadav  
(Civil, 2<sup>nd</sup> Year)
11. Gauri Mujumdar  
(EEU, 2<sup>nd</sup> Year)
12. Sarveshwari Umre  
(EEU, 2<sup>nd</sup> Year)
13. Pranjal Hajare  
(EC, 2<sup>nd</sup> Year)
14. Sarvesh Naidu  
(Mech, 2<sup>nd</sup> Year)
15. Bipasha Das  
(IT, 3<sup>rd</sup> Year)
16. Deepak Dharkar  
(EEU, 3<sup>rd</sup> Year)
17. Gaurav Baisware  
(CSE, 3<sup>rd</sup> Year)
18. Jayprakash Bhure  
(Mech, 3<sup>rd</sup> Year)
19. Jereen Vaisson  
(CSE, 3<sup>rd</sup> Year)

20. Om Shrivastava  
(EEU, 3<sup>rd</sup> Year)

21. Purvanshika Bhoot  
(IT, 3<sup>rd</sup> Year)

22. Rashme Rathod  
(EN, 3<sup>rd</sup> Year)

23. Sakshi Goyal  
(EN, 3<sup>rd</sup> Year)

24. Siddhi Chauhan  
(EEU, 3<sup>rd</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. REEF Recruitments

REEF decided to expand its activities to various other fields to contribute for mother nature at a larger extent. To do so, we needed new members in the Team REEF.

As a result, REEF Recruitment drive was launched across all the departments across the College. The students from 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Year were invited to appear for the interviews. A very good response of more than 65+ Applicants was received.

So to select the best out of the best, the Core Committee was divided into 5 different groups to select members from different fields and interest to fill the vacancies for different tasks within REEF.

The various fields that REEF recruited this year were- Literary (Writing /Speaking), Arts, Birding, Drawing/Painting/Sketching, Photography/Video making and Editing, designing (Photoshop/Corel), Exploring about plants, animals, insects and a few others.

Total 25 New members were added to the Team.



# Activities

## 2. Magazine

After recruiting the members for this club we have cleaved each member in their area of interest. Few were interested in arts, designing, painting, photography, literary, videography so we allotted them in their respective groups and likewise separate groups were created for every team. For each month we select a topic related to environment and REEF members from respective teams submitted their reports like literary team members submitted their write ups, painting team members submitted their paintings, photographers submitted their photographs and likewise when all were done with their work, we selected the best out of them and combined all for a magazine report.

# Activities

## 3. Bird Feeders

All the core committee members encouraged and guided the newly recruited members to make bird feeders at their residents.



# Activities

## 4. Group Photograph

Every year club members group photograph is given to the management committee for a magazine known as ARCOEN.

In ARCOEN'21, REEF photograph was the most appreciated and innovative group photo for this year magazine.



# Activities

## 5. Social Media Awareness

Today, Social media is the most powerful mean to share a message. Through various social media handles such as Instagram, Facebook, LinkedIn, WhatsApp REEF shares various awareness about Nature and Environment. Various awareness posters and flyers are also made for social media handles.

Shown poster is of EARTH DAY 2021, shared on social media handles.



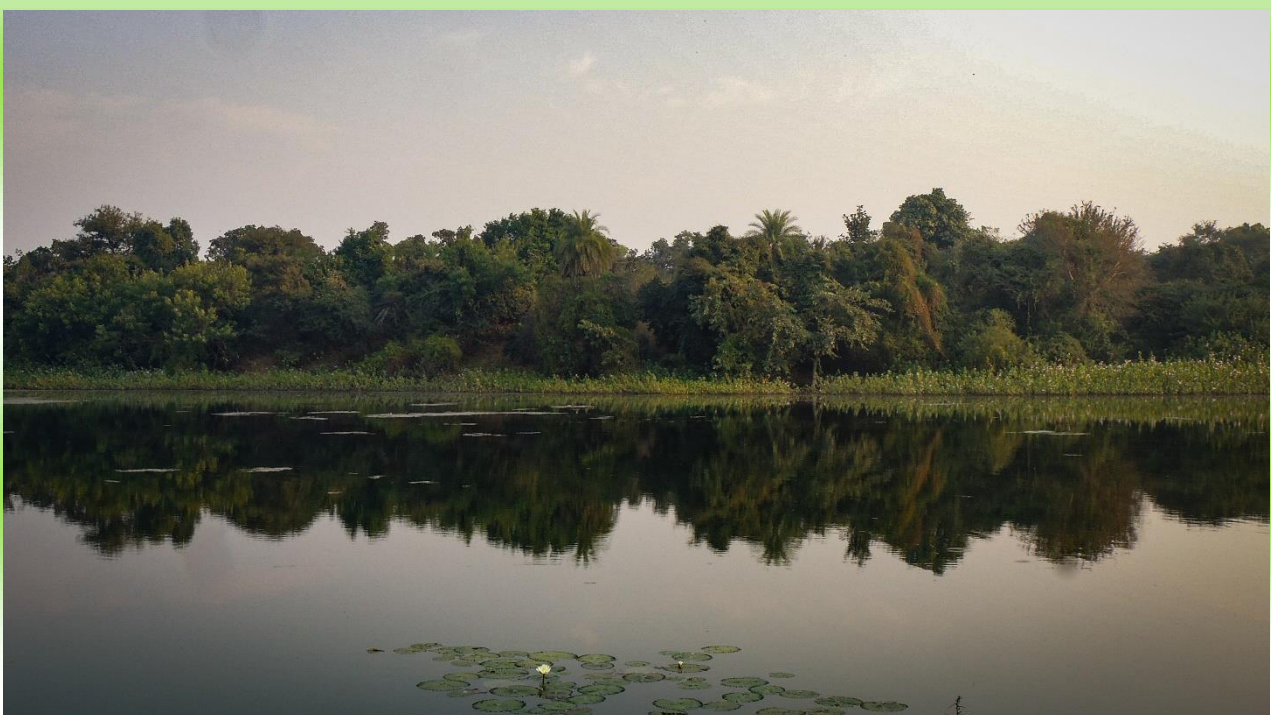
# Activities

## 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. Elocution Competition

Looking towards lockdown activities, REEF organised elocution competition. Any topic related to environment is so wide, this time REEF gave the freedom to all the orators regarding selection of the topic. Many topics were orated by the participants.

Winners of the elocution competition were,

- a. Supriya Thakur
- b. Janhavi Kulkarni
- c. Prajakta Desai

# Activities

## 9. Guest Lecture on Carbon Footprint

A CEO of SEE TECH Solutions, Mr. Milind Chittawar was invited to deliver a lecture on “Reducing Carbon Footprints”, organized on 5<sup>th</sup> June.

He delivered many aspects related to carbon footprints and also how can we reduce it by our actions. Gave us the information about climate change movement.

## 10. Tide Turners challenge

United Nations Environment Program (UNEP)

organized the challenge to reduce the single use plastics on our ocean, rivers, and lands with many organizations (CEE AND WWF). The competition

REEF club took the challenge and participated actively. The club presented some innovative ideas, and many activities were done to make people aware about the single use plastics.

REEF club secured the position as, the champions of tide turner's challenge.



# Gallery

The seemingly small act of feeding birds can have an immeasurable impact on our local ecosystem.

Here are some of the bird feeders done by our volunteers.



With a steady supply of food/water in our feeders, we can have birds in our backyard year-round.



Whatever you decide to do to provide water for your backyard birds, they'll appreciate it.



Homes with bird feeders attract more birds over time.



Just like us, our wild bird friends need water for survival



The simple act of putting out a bird feeder and keeping it clean can greatly improve the chances that birds and their offspring will survive.





A bird feeder gives you the opportunity to observe the wonders



Feeding a bird is the best way of connecting with Mother Nature and contributing to its conservation.

# Bird-watching Activities



Ambazari Guide detailing about the situation in particular season





Top view of Ambazari backwaters from the tower