

Project Name:

"Don't Tear Future"

(Save the Paper)



Team Members:

1. A Mokshitha
2. A Sai Navya
3. Mehekbegum
4. Y Sahithi
5. M Ajay
6. G Karthik
7. Dinesh
8. Pavan

Facilitators:

Mrs. Hepsiba VG
Mr. T OM N Swamy

AIKYAM Mentor Coaches:

Mrs. Padma Sanampudi
Mr. David Gilson

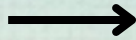
What Challenge does your project address?

We aim to stop the paper waste made by the school children by tearing the whole paper even for a small mistake and we observed that the bin filled by the end of the day with papers in our school. Save trees from cutting, by reducing the unnecessary waste of paper by school children. And we thought and discussed the same situation might happen in every school.

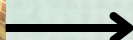
Investigation made by us



The paper waste
in our class room



collected by
house keepers



Thrown outside for burning



Since the Paper is made from tree so it is our responsibility to save the tree by saving or up-cycling the paper,

Otherwise

- The production of paper requires a lot of trees.
- Paper production causes air pollution.
- Also the water pollution.
- The production produces multiple solid wastes.
- Also, emits greenhouse gases while production.
- Financial costs.
- Paper production is the 3rd largest industrial polluter of air, water, and soil. Chlorine-based bleaches are used during production which results in toxic materials being released into our water, air, and soil. When paper rots, it emits methane gas which is 25 times more toxic than CO₂
- The above information is collected from the link given below:

[https://www.theworldcounts.com/stories/paper-waste-facts#:~:text=Pulp%20and%20paper%20is%20the,times%20more%20toxic%20than%20CO₂](https://www.theworldcounts.com/stories/paper-waste-facts#:~:text=Pulp%20and%20paper%20is%20the,times%20more%20toxic%20than%20CO2)

Why did the team select this topic?

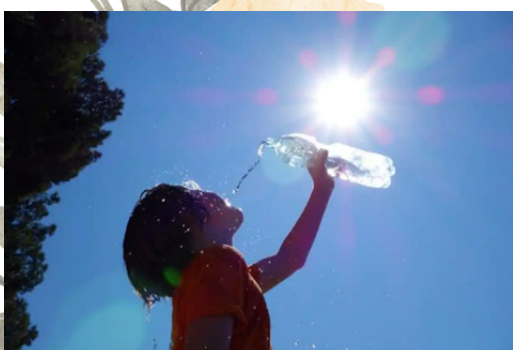
- Since, we depend on trees for everything like food, clothes, wood, and paper, how much care are we giving to the Trees?
- As we are the students and observed from our surroundings like classrooms, our friends are tearing and wasting the papers even for small mistakes and throwing them in the dust bins. And the paper waste in those dust bins was simply burned by our school maidservants. Since the paper is made from a tree and 1 Tree = 16 reams of paper and 1 ream = 500 papers so 8000 papers = 1 Tree.
- So if we waste paper it is nothing but cutting the trees which makes scarcity everywhere and in everything and also cause natural calamities like high temperature, storms, Earthquakes, soil erosion, low rainfall, etc... and also the financial burden to Parents.
- So on the other hand, if we recycle paper waste, we can save trees and Nature on a lower scale.



The paper waste in our class room

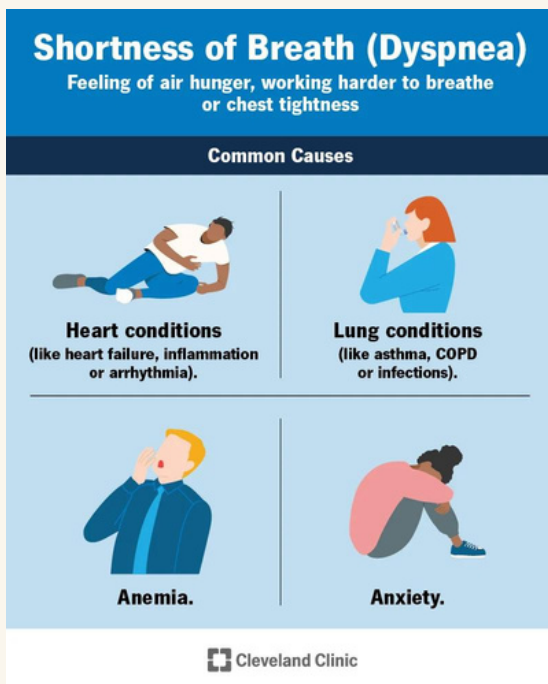
<https://pachamama.org/effects-of-deforestation>

The above link is the origin of below pictures



How is this a real world problem or concern?

In our country, the problem is that poor parents are struggling to get new books and the books are being made by trees so the more trees are cut so the as the trees inhale co2 and exhale oxygen so basically, the oxygen levels will reduce and co2 levels will increase so the death rate will increase slowly. And also other mentioned consequences will occur. Generally, the oxygen level in the atmosphere is 21% and it may reduce by cutting the trees. So one to reduce cutting trees is reducing and recycling paper waste.



The link given below is the origin of above information:

<https://www.newscientist.com/article/2269567-most-life-on-earth-will-be-killed-by-lack-of-oxygen-in-a-billion-years/>

Describe Learning/Discovery from the use of interviews or surveys

We met our school Principal and explained the current situation that how the paper is being wasted by us in the class and showed the dustbin. And we asked what these papers were going to be.

Sir replied that those were simply burnt by the maidservants.

So we asked n explained to the Principal sir that we have around 1000 students in our school and if each student tears 1 paper per day means there are 1000 papers per day and 6000, it's like around 1 tree being cut per week(8000 papers = 1 Tree). Also, we explained the consequences of cutting off trees(as the paper was made from a tree). So we bring the idea of recycling paper waste.

Finally, our Principal sir understood and convinced our pain of the Big problem and also suggested to visit the other schools to bring awareness by issuing a Permission letter to meet them officially, and sir has suggested us to play dramas and skits at those schools where the same thing(paper waste) may occur and we make them realize that not to do the paper waste, and we show the demo of recycling the paper waste which we can use in our daily life activities like baskets, bowls, plates, bags, boxes, etc...

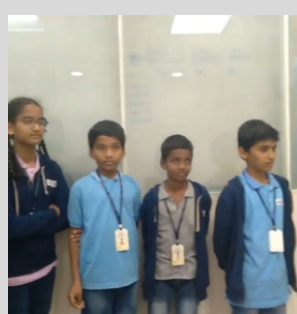


Mock Interview with
our facilitator

The link given below is the video of the Interview made with our facilitator:

<https://drive.google.com/file/d/1kytgG7UVRcgx0mZ1qiyTtxXMV-6fix9L/view?usp=drivesdk>

The link given below is the video of the Interview made with our schoolPrincipal:



https://drive.google.com/file/d/10QalzvhkGL7jOU2qlh0QrJ80E3a_sEI/view?usp=share_link

Which research data obtained helped to determine what can be done?

We referred NCERT grade 6 science textbook to understand how to effectively recycle, reuse, and reduce paper waste.

Recently in India, one of the boys from a rural village made a new book out of waste paper which helped us to think about what can be done effectively to reuse the paper.

The reference link is as follows:

<https://www.thehindu.com/news/national/andhra-pradesh/where-children-use-waste-paper-to-write-notes/article28288492.ece>

Also, we received the data from during the interview with Mr.IVS Narayana (our school Principal) during the interview with him, his suggestions for saving paper helped us to think more about what can be done.

We have gone through some online media to understand the serious issues of the problems.

<https://www.stopwaste.org/at-work/reduce-and-reuse/reduce-paper-use/the-impact-of-paper-waste>

How did the information you learned you to act in an impactful?

The pieces of information which we gathered helped us to think about how can be a part of protecting nature also we came to know that every single paper waste which human makes has a crucial impact on sustainable development. The information made us more socially responsible. We think that the change should start with ourselves then we could change society. During the entire process of project work, each individual learns how to collaborate with each other to find an effective way to protect nature and to find possible solutions for the problem.

Photos of team members being involved in the investigation phase



Paper waste made by the students in the class and collected by house keepers



The waste collected was made simply fired by house keepers



We are Planning and discussing with our facilitator for saving the paper.

How are you planning for permanent change?

“ In our school alone with 1000 students creating 6000 papers per week wastage which is nearly a tree's worth. This might be happening in many schools in India amounting to thousands of trees. We took an action ourselves to tackle the problem by creating an awareness program with Skitts, Dramas, and Write-ups on classroom soft boards explaining the importance of trees in school assemblies.

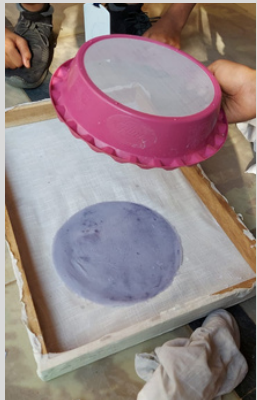
Our team is upcycling a few decorative items like baskets, cake boxes, packaging boxes, and carry bags with paper waste by putting seeds in them because after using those products if they throw them, they will grow as plants because of the seeds present in them. Also, we are planning demos of those products. ”

The UP - CYCLING the Paper Waste



Making the paper waste into pieces and soak them in water

Grinding the soaked paper waste



Making dry the paper pup



Collecting and putting the seeds in the UP-CYCLED paper



UP-CYCLED paper



Learning, how to make products from UP-CYCLED paper

How did your Team influence others

Influencing others is a great task. The project itself should have the capacity to have an effect on the character, development, or behavior of someone or something. With great happiness, we would like to share How our team influenced others.

We will show the importance of paper and how it affects if we wasted paper, by using dramas, speeches, reels, placards, etc... And we also give demos on how to upcycle the paper waste by preparing some paper plates, boxes, carry bags, etc... which may substitute for a few days, also plan to put the seeds those products bcos even if we throw after use, they can grow like a plant.

When we had an interview with our Principal Mr. I V Suryanarayana sir, by explaining how the paper waste was happening in our school by children, our Principal was inspired a lot and gave advice to us in the process of implementation like dramas, and skits in our school assemblies also in the surrounding schools. The link to the interview we mentioned above which was influenced him.

Influencing our school Pricipal



Interview with our school Principal

Influencing our school Teachers and Community

While we spoke with our school children of class 4th/A, about the tearing of paper even for a small mistake, and explained the demerits when cutting trees for making the paper, the teacher Mrs. Sridevi mam was presented in that class and influenced by our speech and given warning, instructions to the students that, use the whitener when they made mistake instead of tearing the paper for that small mistake.



The link given below says the influence
class techer after observing the
students's speech

https://drive.google.com/file/d/1zzO-n-ZHDWSwYAeEp02ak8bDblalJFFG/view?usp=share_link

Influence by community

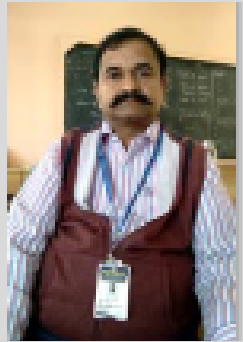
Miss Prasanna an 8-year-old, student in 3rd class, is the daughter of one of our facilitators Mr. Swamy sir, was influenced after watching the videos and explained by our sir, was explaining the whole process in her own words to her mother.



The following link is the audio of the Prasanna

https://drive.google.com/file/d/1zqTgK_XRcqiAl5qhp72qRnGAGsZ4psfM/view?usp=share_link

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Also, one of our teachers Mr. Omkar sir was influenced by our project and gave wonderful advice as an extension to our project which is preparing Ganesh idols by using paper waste at the time of Ganesh Jayanthi and putting the seeds while preparing in them. As we used to immerse the idol in ponds after our Pooja, at that time if we immerse it in a pot having little soil then the idol will dissolve in that solution again the new plants will grow because of the seeds in the idol.

The video shows his influence and sharing his idea

https://drive.google.com/file/d/1zqoYG4ZYZERgLVBFX2X8EVdEla0xlfaT/view?usp=share_link

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The boy whose name is Dinesh influence the students of class IV along with his friends, later they involved in the process of Implementation.

The following link shows how the boy was influenced his friends also the first stage of implementation that is UP-CYCLING the paper.

https://drive.google.com/file/d/1k-g3KY8P-4Fm1U1jzEfxY5mYELYZ6kPA/view?usp=share_link

Give examples of creative use of technologies in your project

- To participate in the meetings conducted by Mentor coaches, and to know about the UN-SDG project step by step, we used: **ZOOM app**.
- To communicate with ourselves and share our ideas also with Mentor coaches we used **Whatsapp messenger**
- To prepare slides of our work in a beautiful way, we used **canva**

To update & Uploading the work done **Googledrives**

- For coverage of the investigation, interviews, and implementation we used a **Phone Camera**
- For more information in the process of investigation also for implementation, we used **Google**
- For more information in the process of investigation also for implementation, we used **Youtube**
- To record the influence of community people, we used a **WhatsApp recorder**
- To influence a lot of people we used **Facebook**.
- For uploading Ciena Solution in a pdf format we used **canva**
- For zoom links to participate in the meetings, in the calendar, we used **G-mail**

Photos of Team members being involved in the implementation phase

The UPCYCLING the Paper Waste



Grinding the soaked paper waste

Making the paper waste into pieces and soak them in water

The link below shows the process of implementation

<https://drive.google.com/file/d/1tmLXuMmzJkSxK9DdUSBi3RNGmUhzdKeu/view?usp=drivesdk>



Making dry the paper pulp



Collecting and putting the seeds in the UPCYCLED paper



UPCYCLED paper



Learning, how to make products from UPCYCLED paper



Picture of team wearing_project T-shirts

We designed a T- shirt in the process of influence and implementation
The design of T-shirt is given below:



Front side



Back view