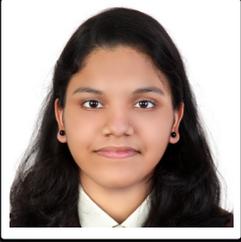
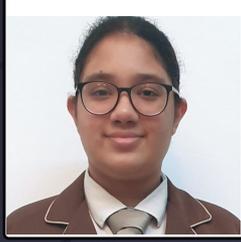


CARBOSINE

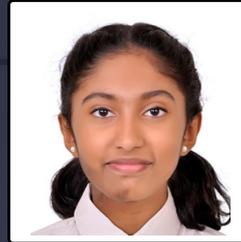
TRACK.IMPROVISE.MOTIVATE
BY TEAM TETRAPOTENZ



Roshna Rajesh



Janette Philip



Neha Suresh



Reenu Biju

- INSTAGRAM - https://www.instagram.com/carbosine_2022/
- WEBSITE LINK- <https://roshnarajesh18.wixsite.com/carbosine>
- GMAIL- carbosine.gsl.oos@gmail.com
- FACEBOOK PAGE- <https://www.facebook.com/profile.php?id=100077363101189>

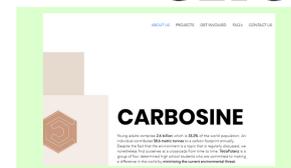
"I've learned that no one is too small to make a difference", says sixteen-year-old climate activist; Greta Thunberg, as she continues to defy all odds, advocating for immediate climate action. To four teenagers in UAE wishing to change the world, such statements affirm that age is just a number and that a group of students can indeed revolutionize the world with their innovative ideas and fiery spirit. With a common goal, four visionaries joined hands to form 'Tetrapotenz'.

TETRAPOTENZ introduces CARBOSINE as a holistic solution for reducing the carbon footprint among the student community. Its purpose is to TRACK the users' carbon footprint, IMPROVISE their lifestyle and MOTIVATE them to continue contributing towards a sustainable future.

AIM

- Initiate strategies to combat climate change.
- Generate awareness amongst students regarding numerous implications of not tracking their carbon footprint.
- Curtail individual consumption to reduce the overall carbon footprint.
- Guarantee that consumption and production trends are sustainable.

AWARENESS @ A CLICK



Our official website was launched on the 31st of January, 2022

216 website visits

SUSTAINABLE DEVELOPMENT GOALS

- We raised awareness about healthy and sustainable diets through a partnership with a graduate student of Nutrition and Food Sciences from MAHE Dubai.
- Workshops and fun activities were conducted, encouraging participants to rethink their approach to sustainable living.
- Students were surveyed and interviewed to track their carbon footprint.
- Through the Carbosine app, the students can track and reduce their carbon footprints.

3 GOOD HEALTH AND WELL-BEING



17 PARTNERSHIPS FOR THE GOALS



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



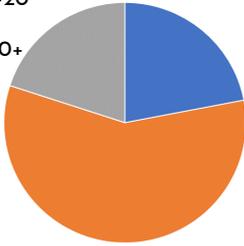
11 SUSTAINABLE CITIES AND COMMUNITIES



CARBON EMISSION SURVEY

A survey was conducted in our school and we received responses from more than 60 students, allowing us to track their daily contributions to carbon emissions.

- Ages: 13-16
- Ages: 16-20
- Ages: 20+



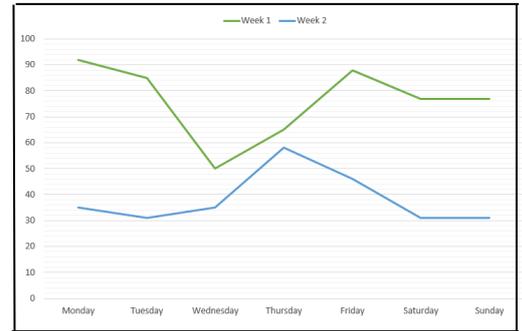
Interview with students



23rd January 2022- Online interviews with students allowed us to measure the awareness on- 'The role one's lifestyle plays in carbon emissions.'

PERSONALIZED TRACKING SYSTEM

In order to track the carbon emissions of our students, we designed a personalized tracker that monitors their lifestyle choices and tracks the progress of each student. Our team provided new sustainable lifestyle choices to 60 respondents and we observed approximately 45% of reduction in carbon emissions. We will soon include this feature in our app so that we can impact more students and their lifestyle choices.



TRACK

IMPROVISE



Collaboration with the Home Science Department of our school to address the topic- 'Sustainable and Healthy Diet'. The students exchanged creative, healthy recipes with one another and calculated the carbon footprint for any one meal they consumed.



I'm deeply appreciative of the students, and the practical group sessions held. This workshop was a testament to the power of young people to initiate change."
 - Kanisha Krishnakumar, college graduate, MAHE Dubai.

On the 30th of March, 2022, we conducted an online workshop via zoom on 'Sustainable Diet: How and Why', with guest speaker Kanisha Krishnakumar, graduate of Nutrition and Food Sciences from MAHE, Dubai.



30+ ACTIVE STUDENT VOLUNTEERS



140+ VIEWS ON OUR VIDEO

'The workshops were extremely informative. I'll try to incorporate some change in my life'
 -Leema Liz Philip, student of grade 8.



60+ STUDENTS

Many students from grade twelve actively participated in the onsite discussions on the topic, 'Gen-Z's contribution to climate change.'



OWNEX SCHOOL EXHIBITION



OWNEX, an online exhibition organized by our school on 5th April, 2022; allowed us to further expand our project's reach. 600+ views on our video

"A great initiative indeed. Looking forward to many more sessions and workshops"
 -Nandana Rajesh Menon, student of class 12.



100+ INSTAGRAM FOLLOWERS

Followed by RE:GUARD and STRC.

ORIGAMI CHALLENGE

From used paper to art!

Conducted on the 24th February, this activity encouraged students to see beauty even in waste and use their creativity to make art with paper waste



CARBOSINE ON DISPLAY

We have put up a display on one of our school boards to spread awareness about carbon emissions and also widen our network.



CARBOSINE APP

Carbosine App with varied functions motivates students and provides sustainable lifestyle options.



FUTURE ENDEAVOURS

- We would like to conduct more sessions, workshops, and discussions and connect with more students.
- A trip to Emirates Bio Farm is planned for this year
- We are reaching out to more like-minded organizations
- We are in the process of designing an app that will track the carbon footprint amongst the student community and we wish to introduce it to all Gems schools.

MOTIVATE