



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi. Recognized by Government of Karnataka.

Accredited with A+ by NAAC, & NBA (ECE & CSE)

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

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Tree Audit in Mangalore city

Venue: Mangalore city

Date: 21 to 28/5/2023

OBJECTIVES: the audit is to quantify the carbon fixation created by the city's green cover to mitigate climate change and create awareness amongst the public and all stakeholders regarding the Mangalore city green cover. The tree counting is required to know whether Mangaluru city actually has enough trees to balance the amount of carbon emission being recorded. A 70% of carbon emission is a root cause for the poor Air Quality Index (AQI) value and increase in the temperature. This can be controlled and reduced by trees since they can accumulate atmospheric carbon and fix them.

DETAILS: NITTE (Deemed to be) University launched a tree counting initiative in Mangaluru city on Sunday, May 21. This live tree counting session started from Kadri Park at 6.30 a.m. under the auspices of the Nitte University Green Initiative Project Committee and Sustainable Development Goals Cell of the university. It is a voluntary project of the university, along with Nitte Students SRISTI-Club volunteers also participated in this tree counting activity. A total of 17 volunteers led by Prof Smitha Hegde (NITTE University) initiated this tree counting.

The tree audit is done by measuring and identifying individual trees in and around Mangalore city and mapping them. "With this, the carbon sequestration is calculated using non-destructive allometric formulas that give the carbon that is sequestered by individual trees which can be clubbed to find out the total carbon sequestered by the trees of Mangalore in a year. This, when compared with the carbon emission data, we can come to know how far or ahead we are when it comes to being carbon neutral or carbon positive."

OUTCOMES:

- Awareness among the student community about the need for trees for a safe green city.
- Great way to make new friends & build relationships with people, who are about the environment.
- To foster and mentor green city initiatives that strive towards sustainable city growth.
- Explore green options in all plans.



Fig.1 SRISTI-Volunteers on site



Fig.2. Tree Measurements



Fig.3. Geo-tag insertion and testing



Fig.4. Geo-tag insertion and testing



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MASSIVE OCEAN CLEANUP PROGRAM

Venue: Tannerbhavi Beach, Mangalore

Date: 28/5/2023

OBJECTIVES: Is to engage people around the world to remove trash and debris from beaches, waterways and other water bodies, to identify the sources of the litter, to change behaviors that causes pollution and to raise awareness on the extent of the marine debris problem.

DETAILS: Members of SRISHTI participated in **Massive Ocean Cleanup** Program on 28/5/2023, which was supported by Universal Knowledge Project Green. Total **25 student members of SRISHTI** along with the 40 NCC volunteers were a part of this massive ocean cleanup program. The student members collected the thrash along the sea shore and segregated them.

On this auspicious occasion the participants were made aware of the need of beach cleaning in the current times and different causes that are causing pollution in the ocean. And they were also informed about how to keep the ocean clean. The student members collected the thrash along the sea shore and segregated them.

Faculty coordinator from SRISHTI club **Prof. Roshan Shetty and Trustee Mr. Vivek Alva** graced the occasion.

OUTCOMES:

- Awareness among students community is created about need of clean sea shores.
- Sorted out what can be recycled and composted waste—it makes a real difference.
- Great way to make new friends & build relationships with people who are about the environment.
- Beach cleaning makes sea food safer.



Fig.1. SRISTI-Club Volunteers on beach site

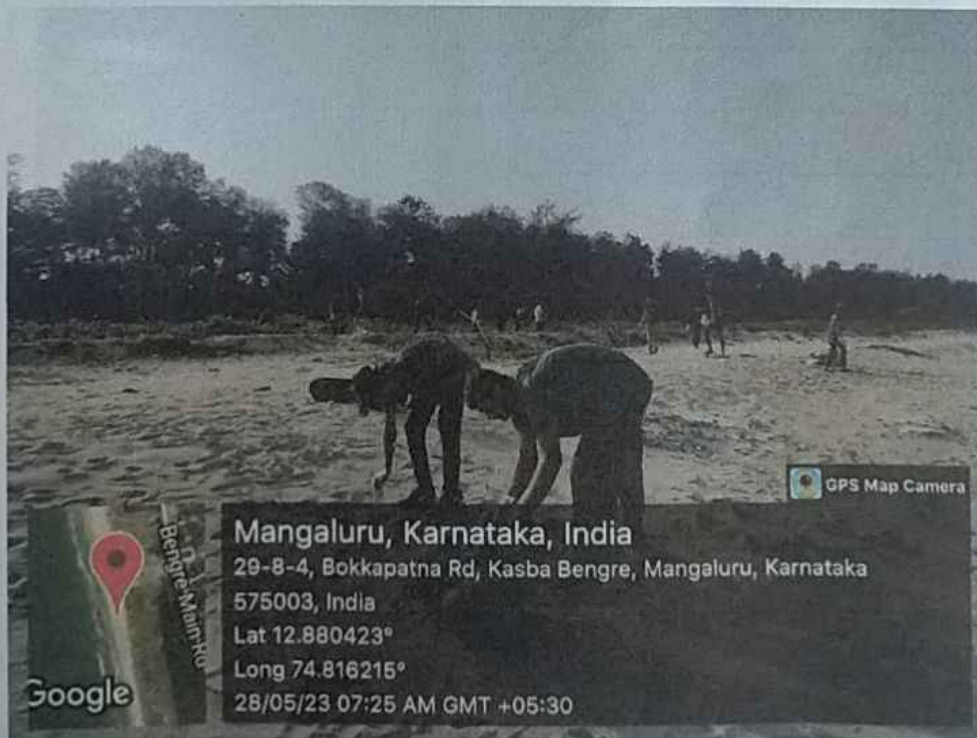


Fig.2. SRISTI-Club Volunteers doing beach cleaning



Fig.3. SRISTI-Club Volunteers doing beach cleaning




Fig.4. SRISTI-Club Volunteers doing beach cleaning

[Signature]
IQAC
AIET, Mijar



Fig.5. Gathering after beach cleaning


Chairman
IQAC
AIET, Mijar



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ANNEXURE



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Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Date: 13.5.23

To,
IQAC Chairman
AIET, Mijar.

Respected Sir,

Sub: Seeking permission & Transportation facility to "**Beach Cleaning and Tree Audit**" in Mangalore.

With reference to above subject, 33 (28+5) students of SRISTI-Club accompanied by 1 staff members are planned to do "**Beach Cleaning (28.5.23) and Tree Audit (21 to 28/5/2023)**" in Mangalore on 28.5.23. In this regard I request you to provide permission and transportation facilities to our students.

Name of Activity: (1) Beach Cleaning (28/05/2023)
(2) Tree Audit (21 to 28/5/2023)


I/C SRISTI Club


Chairman
IQAC
AIET, Mijar



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VOLUNTEERS List

4AL19EC028	Deepika	
4AL20CS063	Vishwanath M	
4AL20EC063	Vishwanath m	
4AL19EC022	Bhavaya YR	
4AL19CS079	Srushti Myageri	
4AL19EC067	Sanju Shree V	
4AL19EC036	J V Rashmita	
4AL19ME063	Ramya Madhukar Nayak	
4AL19EC012	Akhilesh patil c	
4AL19EC062	RAHUL S	
4AL19EC043	Madhu K	
4AL20EC017	Kishan	
4AL19IS045	Manya hp	
4AL20IS007	Bhavana M	
4AL19EC024	Bhoomika T M	
4AL20EC050	Shridevi	
4AL19CS062	Soupoorna Sukrappa Moger	
4AL19CS059	Abhiram	
4AL20EC048	Santhriпти C S	
4AL20EC401	MOHAN KUMAR P	
4AL19EC077	Spoorthi A M	
4AL20IS042	Sahana	
4AL19IS009	Bhagyalakshmi Naik	
4AL20IS013	Darshan s	
4AL20ME004	Chandan B	
4AL20CS027	B shreya	
4AL20CS121	Pavan Kumar	
4AL20CS043	Gurulikhith S	
4AL20EC0021	Aishwarya Raveendra Panchagavi	
4AL30ME013	Harshitha D K	

FEEDBACK

"I am participant in the beach cleaning as part of an SRISTI-Club engagement activity organized by Club in-charge. By the end of it, we were all satisfied that we could contribute towards the environment and thankful to the foundation for providing such opportunities on a regular basis".

By: Darshan S 3rd year ISE

"It was overwhelming experience for us to partake in the tree counting with many likeminded students. It was a great opportunity to interact with all of them and work as a cohesive unit during the tree audit activity.

By: Abhiram, 3rd year CSE

"By the end of it, we were all satisfied that we could contribute towards the environment by doing beach cleaning at tannerbavi beach and thankful to the foundation for providing such opportunities on a regular basis. The participation of senior management of university acted as a huge motivation factor for all of us".

By: Pavan Kumar. 3rd year CSE

"Beach cleanups are volunteer activities that take place on a regular basis along coastlines by Alva's along with Environmental groups, civic organizations and individual beach goers collect beach trash to make the beach a nicer, safer place. I am very proud to be a part of this activity along with tree audit"

By:Aishwarya Raveendra Panchagavi, 3rd year ECE


Principal,
AIET, Mijar