



SMT. K. L. TIWARI COLLEGE OF ARCHITECTURE

PIONEERING EDUCATION
★ SINCE 1992 ★

Approved by Council of Architecture, New Delhi & DTE, Maharashtra State &
Affiliated to University of Mumbai | DTE Code No.: AR 3484

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

Circulars and report of activities for the implementation of the initiatives document

Supporting Documents

Sr. No.	Circulars and report of activities for the implementation of the initiatives document
1.	3R's of Sustainability
2.	E-Waste collection Drive
3.	Energy conservation Day



Smt. K. L. Tiwari Education Society's
**SMT. K. L. TIWARI
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ARCHITECTURE**

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Notice for Students

04-SKLTCOA-EVE_23/24 -

Date: - 1st February 2024

All students of Second and Third Year B.Arch are hereby informed that an Environmental Vertical studio "**3Rs of Sustainability**" will be conducted from 15th Feb to 4th April 2024 to understand the importance of Reduce, Reuse and Recycle. Details of the program along with Schedule will be shared by the class in-charge.

Prepared by:
Coordinator In-Charge
SKLTCOA



Rupali Gupte
Approved by:
Rupali Gupte,
Principal, SKLTCOA

Smt. K. L. Tiwari College of Architecture, Mira Road – E.

Vertical Studio: First Year and Second Year B. Arch

Elective- EVS: Sem 2 and Sem 4.

Feb 2024 – April 2024

3 R's of Sustainability

Elective Aim:

This elective aims at increasing awareness and sensitivity of students about environment and sustainable development from an early stage and adopting the same to have creative and workable solution. The integrated studio across years have been created to introduce students to each other and to encourage them to work in a collaborative manner that offers experience of peer learning. They have to work as a team to take integrated initiatives as per varied levels of individuals skills and produce a holistic workable outcome.

Elective Objective

The three R's of sustainability namely: Reduce, Reuse and Recycle will be introduced to the students. Students are expected to be sensitized, understand the concept, innovate, adapt and apply the three R's on a given site. Students will be divided into groups and each group will be given opportunity to provide their own unique solution to the given problem which is environmentally friendly, culturally sensitive and beneficial to society at large by understanding various stakeholders. The vertical studio aims at collective efforts that inculcates hand-holding approach amongst the senior-junior batches, to convert a wasteland to a useful area which brings society, people and individuals of surrounding communities together.

Description of Project

As per the recent news, "school education minister has announced to set up 40 study centers-cum-libraries across Mumbai metropolitan city for students who are starved of space in their homes for studies". To expand this idea further, our cities lack common amenity spaces required for socializing, knowledge gain, skill development, small-scale business promotion, passive and active recreation and community activities. This elective will explore the idea of providing such facilities for the citizens of various age groups using the minimal funding, using available material and providing a sustainable yet attractive solution.

Students will be provided with the site detail of an area near college campus which is used as a dumping ground for old and confiscated vehicles by the authorities. Most of the vehicles are not claimed and lay as abandoned. The idea is to use the material available and the area as a community center for the residents and communities in the surrounding.

- The students are expected to do two case study of projects which had made use of 3 R's and present it in the form of posters.
- They will be given some fixed requirements and have to come up with the innovative use of site, spaces and available material to provide common amenities for the communities around the site.
- The solutions have to be sustainable and should be direct implementation of the three R's. Students are free to suggest various uses of spaces, materials and methods to make their project attractive, innovative and useful for the target communities.
- The final presentation will be in the form of A1 sheets comprising of sketches, pictures, drawings etc. along with a model of the solution



Requirements

Fixed spaces:

These are covered and permanent spaces to be provided in such community centers. They are as follows:

Sr No	Description	Area (Sqm)
1	Reception & Admin office	50
2	Pay and use Toilets including shower facility (Male, Female separate)	50
3	Multi-purpose halls-2	200
4	Books Library	100
6	Public Dispensary	25
	Total Areas	425

Flexible Spaces:

Apart from these fixed spaces, students are free to use the rest of the site for community activities as per their innovative ideas. The spaces can be **open spaces, semi covered or fully covered**. These structures can be temporary or permanent. But the activities should be only for use of community. The spaces could have provision of booking for few hours for various activities such as private lessons, tutorials, classes for short durations, events etc. though administrative office of the community center.

Material available of the site:

There is some material available on the site for free use for the project. The designers can make use of parts or whole of the material available. It is not compulsory to consume all the available material but it can put to use. The remaining material will be discarded by the authority as scrap.

Non-working abandoned vehicles:

1. 5 buses
2. 8 cars
3. 15 Rickshaws
4. 10 Two-Wheelers
5. 10 Bicycles
6. 50 numbers of car tires



Project Outcome

The project triggered the ideas for community collaboration and creating spaces to cater to needs of different age groups from the surrounding housing societies. Students realized that there are open spaces in the area but without any definite purpose or amenities which will

foster the bonding and encourage positive activities across various residence of same area. Students benefited by experiencing a sense of ownership and pride in working on Live project, turning around of a problem into a solution, adoption and acceptance of collaboration learning across batches.

Different groups came up with innovative concepts for the given plot area and designed various spaces around the concepts such as:

- Tranquil Corner- Creating spaces for Meditation and tranquility
- Mycillian - inter-generational interaction
- Culturing Communities- Introduction of traditional culture of storytelling, education and interactions.
- Sports and arts.
- Digital detox
- Oasis amongst the chaotic distraction
- Design with Nature

Overcoming initial hurdles of collaboration, finally their groups came together to harness the talent of each individual and produce panels with the concepts and incorporating 3Rs in innovative ways.

Way forward

The concepts provided by students are worth exploring further as they have touched and exposed the very need of open spaces with a purpose amongst the communities. Although the concepts are varied, they all point towards creating community spaces which will bring people together and provide them with combined amenities. The concepts can be explored and selective ideas can be picked up from the groups to create a wholistic solution. This initiative can be taken further as a promising solution by the local urban bodies to use the junk from the yards and convert them from eyesores into more positive use which enhances the community; an example of collaborative initiative of various stakeholders in the society.

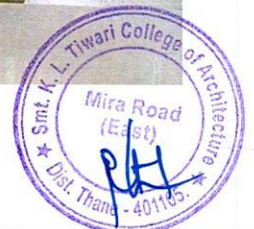




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3R's – Reuse, Reduce and Recycle – Vertical studio workshop





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Notice for Students and Staff

04-SKLTCOA-EVE_23/24 -

Date: - 03rd October 2023

Smt. K.L. Tiwari College of Architecture is organizing an E-Waste Collection Drive to promote sustainability and responsible disposal of electronic waste. Your old gadgets and electronics can find a new purpose, and we need your support.

Date: 9th-14th October
Time: 9am to 3pm
Venue: Library, SKLTCOA

Let's make a positive impact on our environment by recycling e-waste properly. Join us in this important initiative! Your participation can make a significant difference. Together, we can help reduce the electronic footprint on our planet.

For any inquiries, please contact Students Council

Prepared by:
Coordinator In-Charge
SKLTCOA



Rupali Gupte
Approved by:
Rupali Gupte,
Principal, SKLTCOA



Smt. K. L. Tiwari college student of Architecture

X

Students Council 23-34



E-WASTE COLLECTION DRIVE

Bring your used electronics devices
Take step Forward for the ENVIRONMENT



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E-waste Collection Drive - Report

To encourage sustainability and appropriate disposal of electronic waste, Smt. K.L. Tiwari College of Architecture hold an E-waste Collection Drive.

Objectives:

Raise Awareness: Increase understanding and awareness of the environmental impact of e-waste, including its disposal and recycling processes. More information about the advantages of recycling and the risks associated with incorrect e-waste disposal will be provided to students.

Promote Responsible Consumption: Stress the value of prolonging the life of products by promoting responsible use and disposal of electronic equipment. Students' consumption patterns will become more sustainable, which will decrease the amount of e-waste produced.

Encourage Environmental Stewardship: Instil in students a sense of accountability and concern for the environment, inspiring them to take an active role in sustainable practices. Students will be proactive in managing e-waste and other aspects of sustainability in order to protect the environment.

Outcomes:

Students develop more responsible consumption habits and become advocates for sustainable practices, influencing others in their communities.

Hosting workshops and educational programs on e-waste management extends knowledge beyond the college community, positively influencing the broader public.

How can you contribute?

1. Gather your old or unused electronic devices, such as phones, laptops, chargers, and more.
2. Bring them to the collection point on the specified date and time.
3. Our team will ensure these items are recycled or disposed of responsibly, reducing the environmental impact.

Date	9 th – 14 th October 2023
Time	9 a.m to 3 p.m
Venue	Libraray, SKLTCOA





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GPS Map Camera

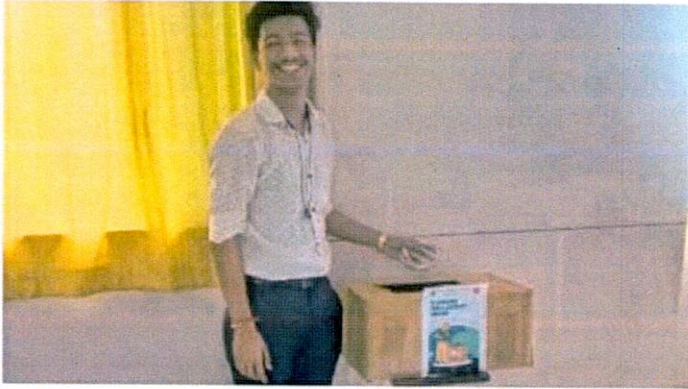


Mira Bhayandar, Maharashtra, India

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Bhayandar, Maharashtra 401107, India

Lat 19.299214°

Long 72.8767298°





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Conclusion:

This action by the Student Council was very welcomed, and since the E-waste campaign was successful due to the active participation of students and other staff, it was agreed to carry further.

Checked & Prepared by:
Asst. Prof. Priya Sharma
Cultural Coordinator, SKLTCOA



Rupali Gupte
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Notice for Students


04-SKLTCOA-EVE_23/24 -

Date: - 4th December 2023

All students are hereby informed that seminar on Planning of appropriate siting of EV charging infrastructure is organised on 14th December 2023 on the occasion of National energy conservation day. Attending the event is mandatory.

Prepared by:
Coordinator In-Charge
SKLTCOA




Approved by:
Rupali Gupte,
Principal, SKLTCOA



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QUARETER II - IIC CELEBRATION ACTIVITY REPORT ON – NATIONAL ENERGY CONSERVATION DAY

Organized by – IIC, SKLTCOA, Mumbai

Date – 14th December, 2023

Venue – SKLTCOA, Mira Road

The National Energy Conservation Day is celebrated on December 14 every year, in order to spread the message on the importance of conserving energy and to showcase the achievements of the nation in energy efficiency and conservation. This day was celebrated in SKLTCOA by inviting team of eminent architects in the field of sustainable architecture who guided students in the field of sustainable design.



Asst. Prof. Pranali Ohale
Research Coordinator, SKLTCOA



Prof. Rupali H. Gupte
Principal, SKLTCOA