



ORIENTAL EDUCATION SOCIETY'S

SANPADA COLLEGE OF COMMERCE & TECHNOLOGY

Affiliated to The University of Mumbai

Sector-2, Plot No. 3,4,5, Behind Sanpada Railway Station, Sanpada (W), Navi Mumbai - 400 705.
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SAMPLE PROJECT ON RENEWABLE SOURCE OF ENERGY



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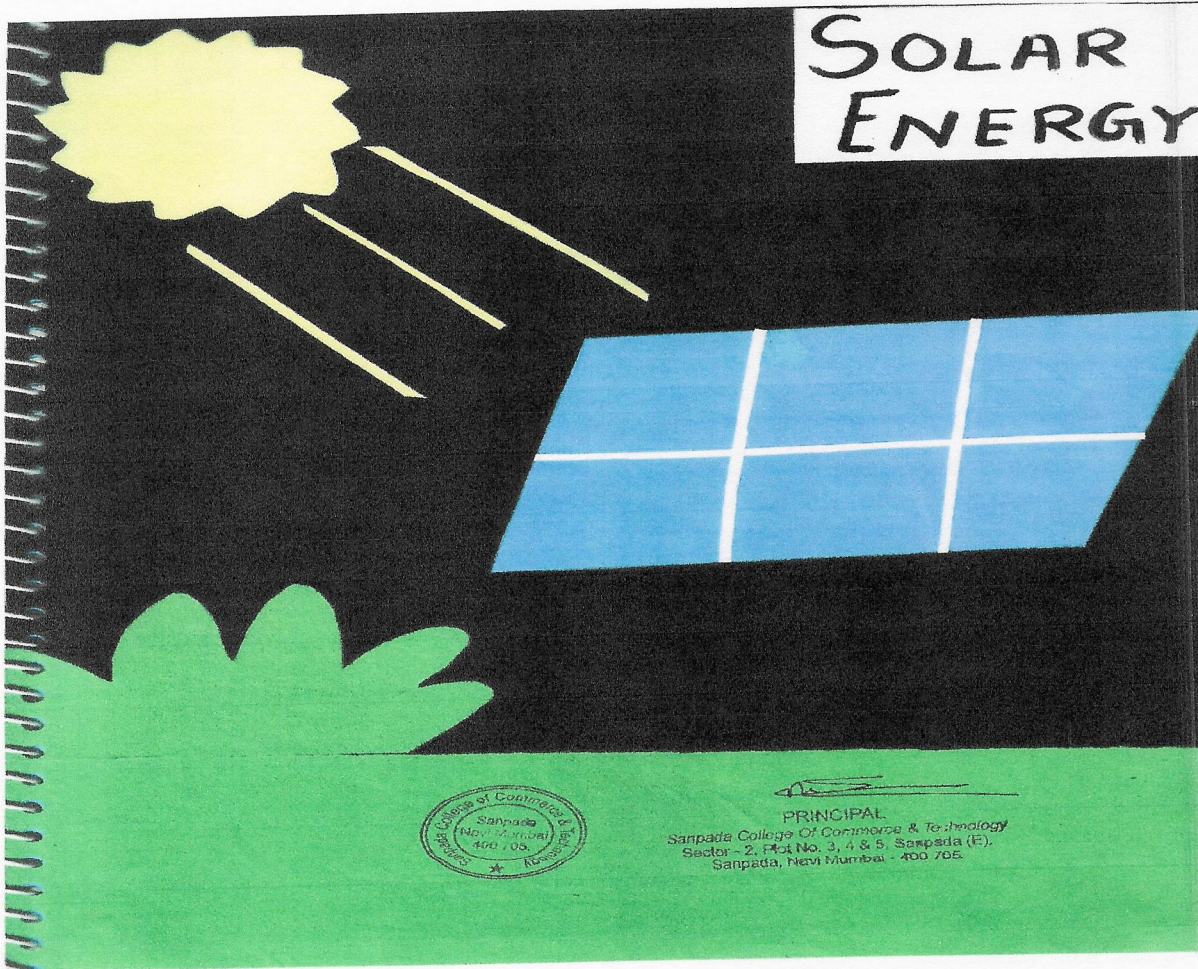
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2.1 Sample Project initiated for awareness on renewable sources of energy.




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2.1 Sample Project initiated for awareness on renewable sources of energy.

NAME	SONU CHOUDHARY
STD	FYBAF
Roll No	8
SUBJECT	BUSINESS ENVIRONMENT
TOPIC	SOLAR ENERGY
TEACHER SIGN	<i>[Signature]</i>

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WHAT IS SOLAR ENERGY ?

Solar Energy is defined as the transformation of energy that is present in the sun and is one of the renewable energies. Once the sunlight passes through the earth's atmosphere, most of it is in the form of visible light and infrared radiation. Plants use it to convert into sugar and starches and this process of conversion is known as photosynthesis. Solar cell panels are used to convert this energy into electricity.

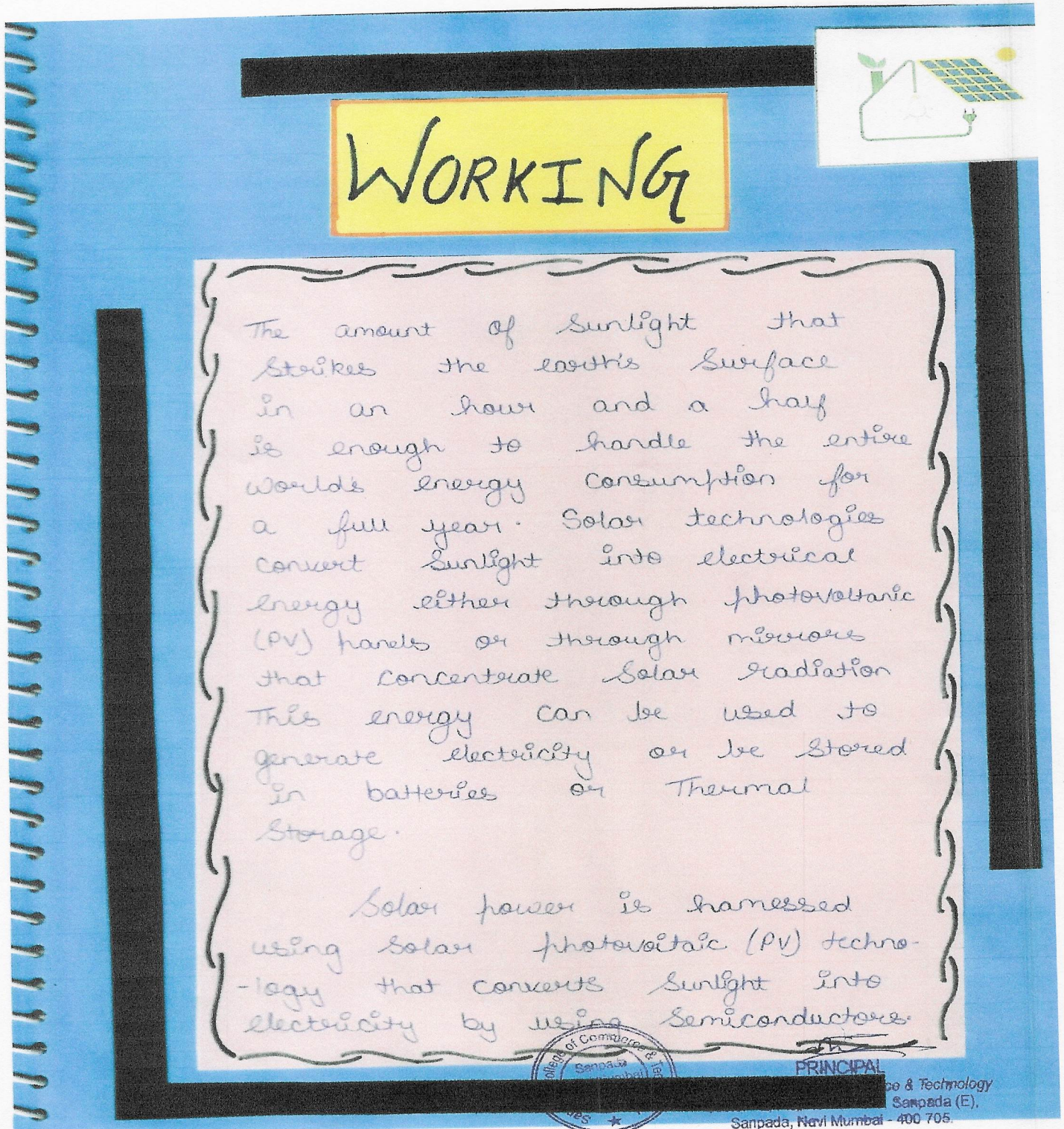
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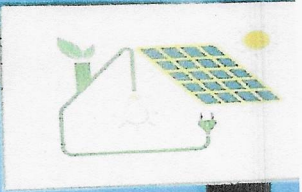
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2.1 Sample Project initiated for awareness on renewable sources of energy.



WORKING



The amount of sunlight that strikes the earth's surface in an hour and a half is enough to handle the entire world's energy consumption for a full year. Solar technologies convert sunlight into electrical energy either through photovoltaic (PV) panels or through mirrors that concentrate solar radiation. This energy can be used to generate electricity or be stored in batteries or thermal storage.

Solar power is harnessed using solar photovoltaic (PV) technology that converts sunlight into electricity by using semiconductors.



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When the Sun hits the Semi-conductor with the PV Cell, electrons are forced and bus bars collect the running electrons which results in electric current. When we place solar panels connected in a calculated manner in the sunlight they start producing current and voltage in the form of Direct Current but in most of the countries in the world appliances and equipment runs on Alternative current (AC) so we need to connect to all solar panels to an Inverter which then converts DC into AC for home use.



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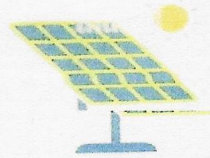
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USES



WATER HEATING :- Solar Energy is used to replace electric heaters and gas as efficiency is more with 15-30%.

COOKING PURPOSES :- Solar cookers are used for cooking food. A solar cooker consists of an elevated heat sink such that when food is placed in it, it gets cooked well.

HEATING OF SWIMMING POOLS :- Solar blankets are used to keep the pool warm. The other way is using a solar water heater to keep the water warm.

SOLAR ENERGY FOR BATTERY CHARGING :- Batteries used to play video games etc can be charged during the daylight as a backup in case of power cut issue. Also it save electricity you can charge the reserve battery bank in the sunlight throughout the day and use it in the night time.



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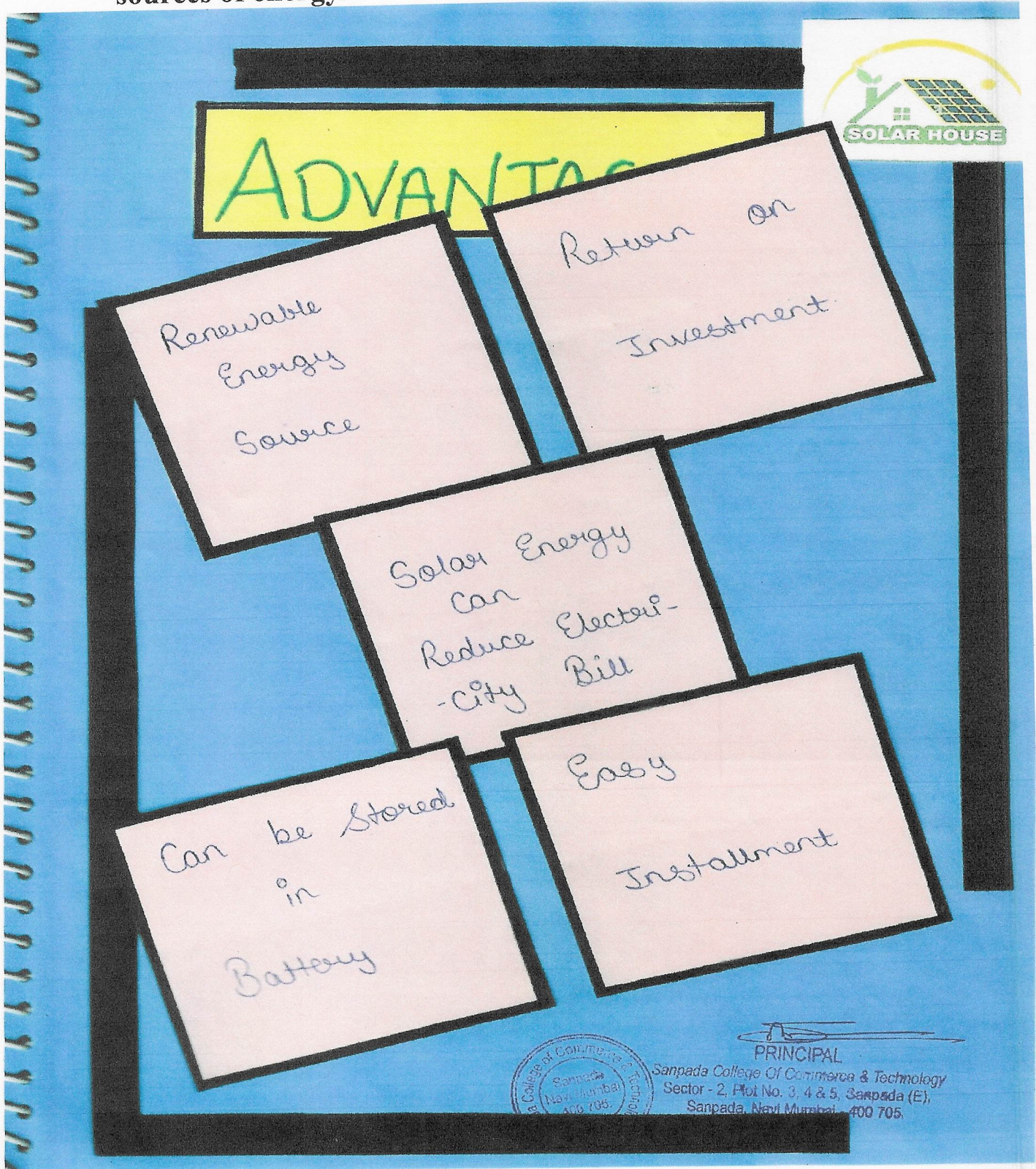


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DISADVANTAGES

- No Solar Power at cloudy Days
- Expensive Battery
- Needs lots of space
- DC Equipment are more Expensive
- High Initial Cost

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Solar Energy

CONCLUSION

In India, Development of solar projects and the production of solar energy have gone up substantially in India. However, there are still some gray areas, particularly in the area of solar equipment manufacturing, as only a handful of companies are dominating this segment. To become a global leader in the solar energy segment, the country cannot rely mainly on large-scale solar projects. India has the second largest population in the world.



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**BEYOND THE CAMPUS ENVIRONMENTAL
PROMOTIONAL ACTIVITIES**



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2. Activities organized by NSS and DLLE for Clean and Green Campus:

Sr.No.	Date	Activity Conducted
1.	10 - 08 - 2022	Cleanliness Drive
2.	1 - 10 - 2022	Tree Plantation
3.	6 - 10 - 2022	Cleanliness Drive
4.	19 - 10 - 2022	Plastic Collection Drive



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SANPADA COLLEGE OF COMMERCE AND TECHNOLOGY
CULTURAL COMMITTEE & DLLE
ORGANIZES
CLEANLINESS DRIVE
ON
Academic Year 2022-2023
ACTIVITY REPORT

On 10th AUGUST, 2022, Sanpada college of commerce and technology celebrated Azadi ka amrit mahotsav, Cultural committee and DLLE organized the cleanliness drive. Students and teachers from all the departments gathered at the ground floor lobby at 11.10 am. Prof. Ivy Ganguly, Chairperson of DLLE, instructed all the students about the drive. Students were given gloves, a dustbin bag, and a broom to take out the unnecessary items from the campus. Students participated in the huge number and enthusiastically did the cleanliness of the campus.

Prof. Ivy Ganguly
DLLE (CHAIRPERSON)



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Cleanliness Drive



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**Oriental Education Society's
Sanpada College of Commerce & Technology
National Service Scheme (2022-2023)
Activity Report**

Activity Name- Tree Plantation Drive

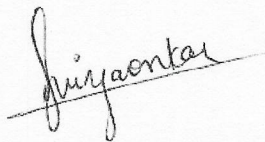
Date - 1st October 2022

Objective- To Promote Tree Plantation

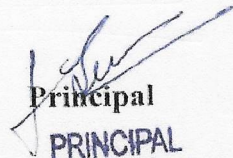
Highlights-

Tree Plantation programme was organized at Sanpada college of Commerce and Technology by the National Service Scheme Unit. . The NSS volunteers actively participated in the programme. Vice Principal, Dept HOD's, faculty, NSS Volunteers, students have taken the initiative to plant saplings in our college premises. More than 25 tree saplings of different varieties were planted.

Impact or Outcome- Created awareness in society with regard to importance of tree plantation and environment conservation. It would help in maintaining a balanced environment and reduce pollution.

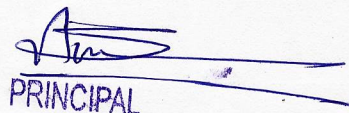


Program Officer



Principal

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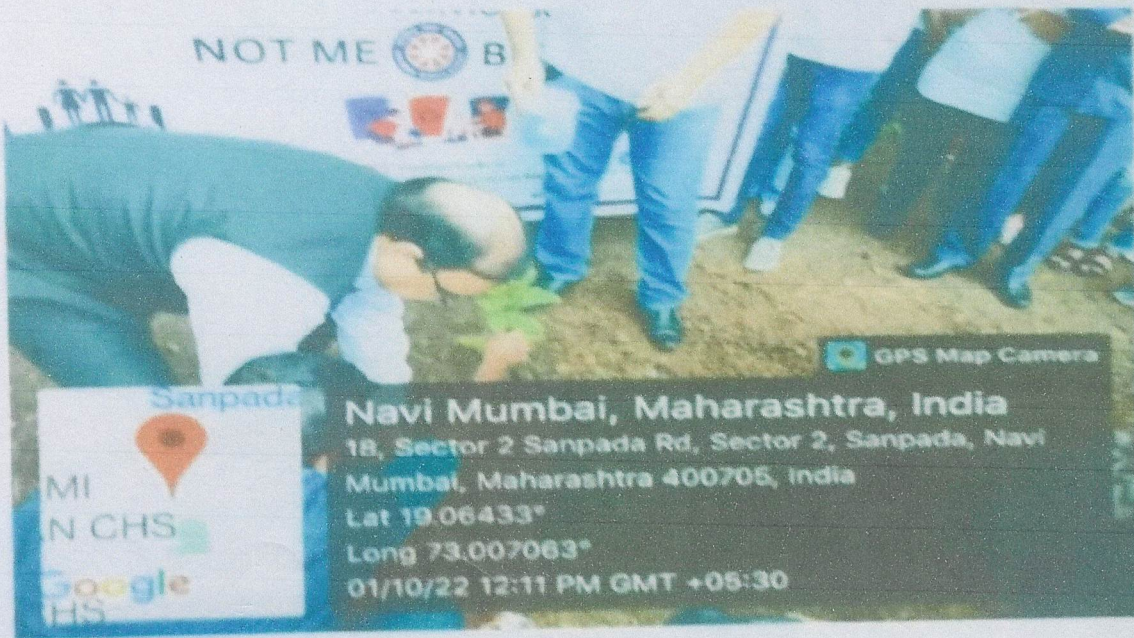


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Tree Plantation Drive

Tree Plantation Drive- Activity Photos



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**Oriental Education Society's
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National Service Scheme (2022-2023)
Activity Report**

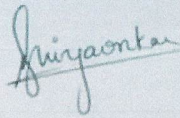
Activity Name- Cleanliness Drive

Date -6th October 2022

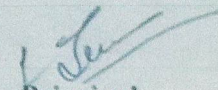
Objective- To promote cleanliness and hygiene.

Highlights- Cleanliness and order are not matters of instinct; these are matters of education. Keeping this in mind the NSS unit organized a cleanliness drive at Sanpada sector 2. NSS volunteers cleaned streets. The cleanliness drive was a great success.

Impact or Outcome-The cleanliness drive was a remarkable demonstration of community unity and commitment to a cleaner and healthier environment. It not only made a tangible difference in the cleanliness of our community but also inspired a sense of responsibility among residents.

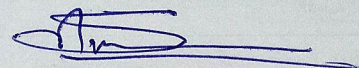


Program Officer



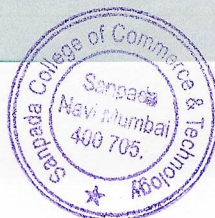
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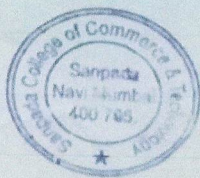
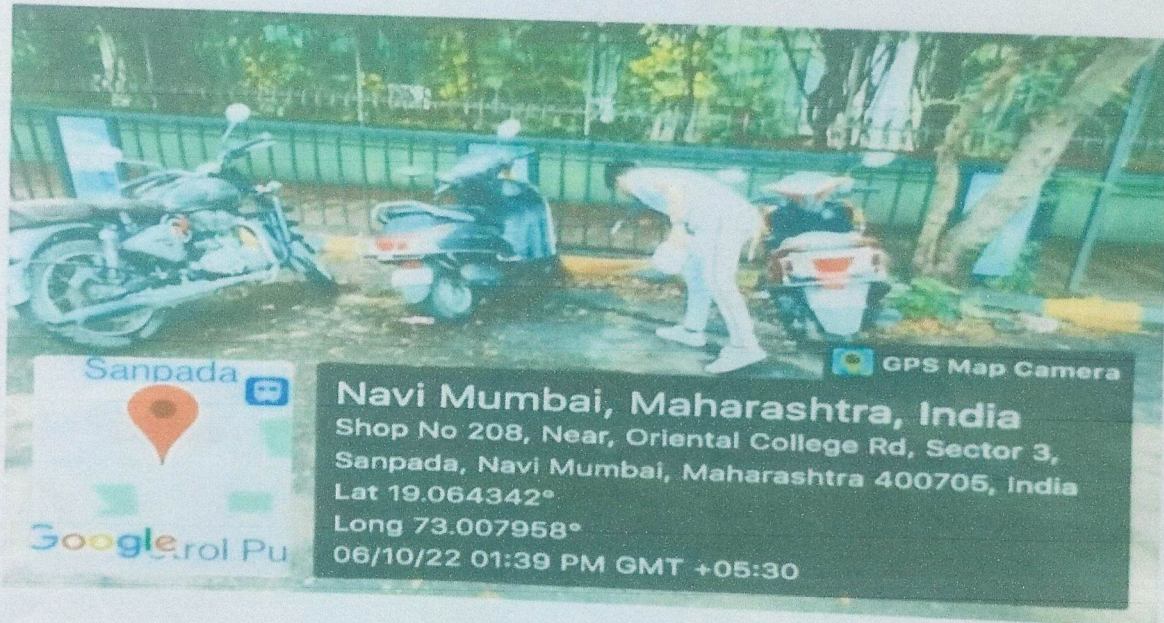
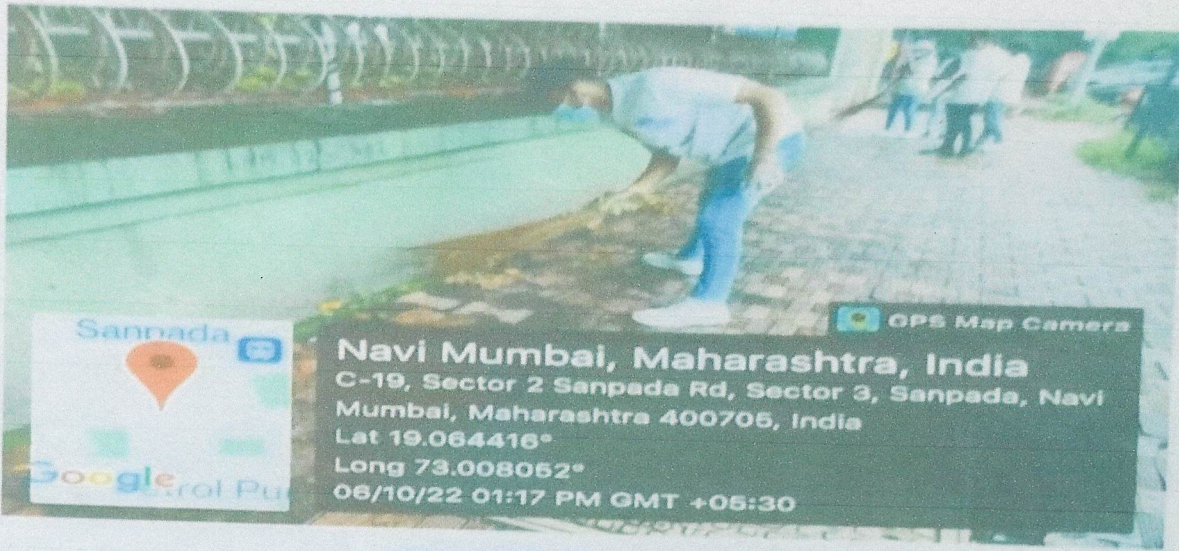
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Cleanliness Drive

Cleanliness Drive- Activity Photos



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Oriental Education Society's
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National service scheme (2022-2023)
Activity Report

Activity Name- Plastic Collection Drive

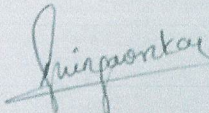
Date - 19th October 2022

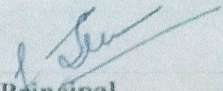
Objective- To protect the environment and reduce pollution caused by plastic.

Highlights-

The National Service Scheme (NSS) conducted a successful Plastic Collection Drive on [Date] as part of our commitment to environmental conservation and community service. With active participation from NSS volunteers and community members, we collected a significant volume of plastic waste during the [Duration] event. The collected plastic waste was carefully segregated for proper disposal and recycling. We will continue our efforts to reduce plastic waste and promote eco-friendly practices in our community, reaffirming the NSS's commitment to a cleaner and greener environment.

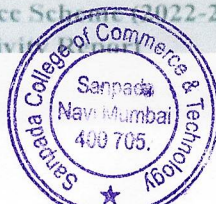
Impact or Outcome- This initiative not only contributed to cleaning our surroundings but also raised awareness about the detrimental effects of plastic pollution.

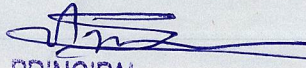

Program Officer


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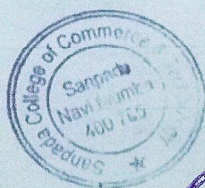
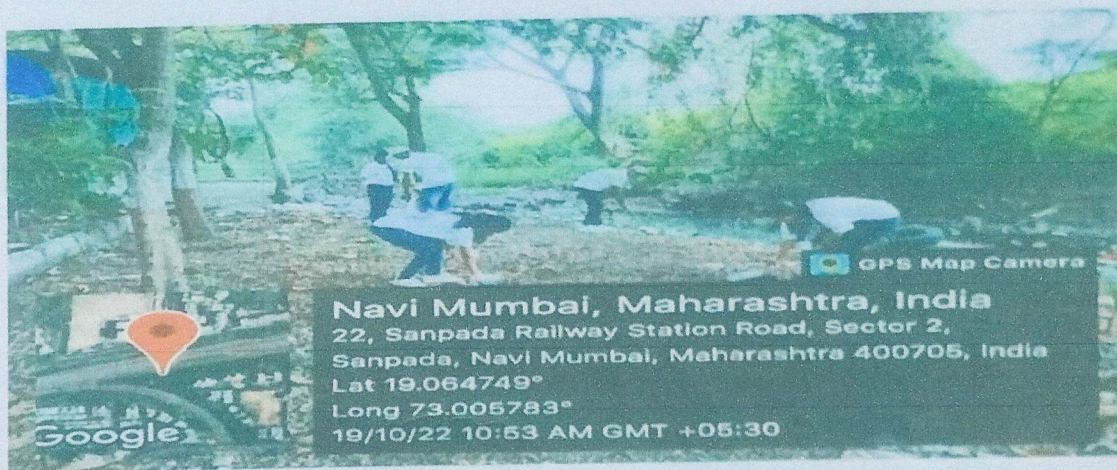
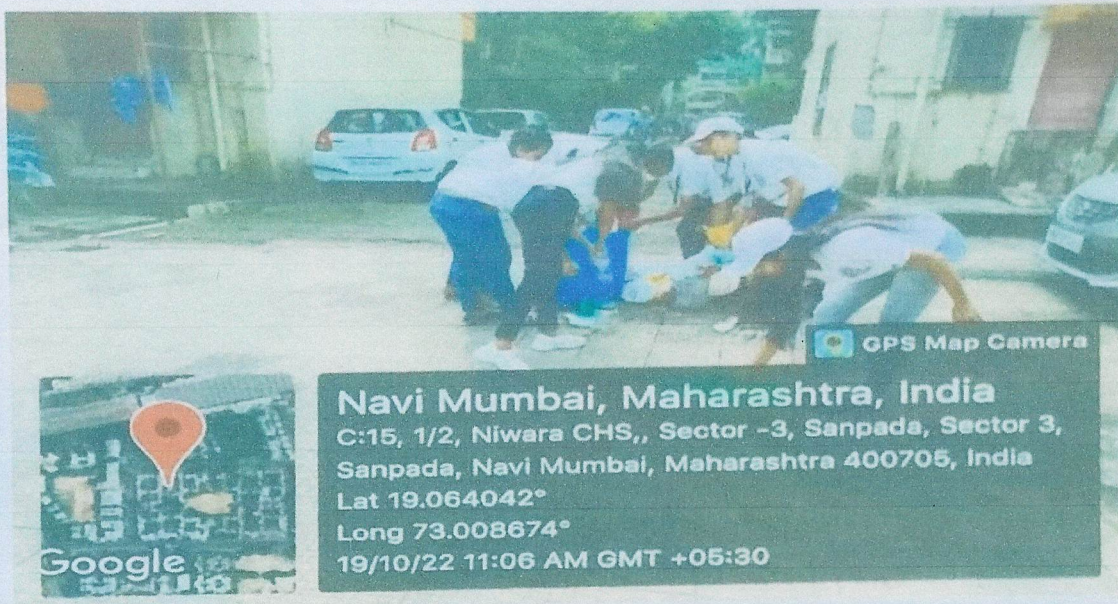
Sanpada College of Commerce & Technology
National Service Scheme (2022-2023)
Activity Report




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Plastic Collection Drive

Plastic Collection Drive- Activity Photos



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Few Glimpses of Awards and recognitions received for extension activities from government / government recognised bodies-



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