



**Sheth T.J. Education Society's
Sheth N.K.T.T. College of Commerce &
Sheth J.T.T. College of Arts.**

(Reaccredited by NAAC B+ (2.62), 3rd Cycle, ISO Certified : 9001:2015)

Green Initiatives

Use of Solar Energy

Use of E-Waste bin

Electricity Saving /Conservation

Pot &Terrace Gardening

Restricted Entry to outsider's vehicles

Set up of Signage

Tree Plantation beyond the campus

Moving Towards Paperless Governance





[Home](#)

Report of Impact Analysis of Solar Energy Initiatives:

Sheth N. K.T.T College has decided to move away from fossil fuels and create a 100 percent renewable energy system to become self-sufficient which also helps in reducing the CO₂ emission and make the campus eco friendly.

To power the campus with 100 percent renewable energy, College has an objective to reduce its energy consumption, obtaining its electricity from renewable energy sources particularly Solar Energy and meeting its building energy needs with electricity.

In view of the above, as a first step, the College has installed 80kW capacity solar power plant on its campus. i.e. 60 KW & 20 KW solar power plant at roof top of building . The system was commissioned and put into operation since August 2018 .

Purchased cost of entire Solar System (60 KW & 20KW) was about Rs . 5100000 and the maintenance & Cleaning expenditure was about Rs.261000 till June 2022.Due to the generated solar energy (from both 60KW & 20KW) ,College had saved about 152000 Kg CO₂ emission which is equivalent to planting of about 461 trees.

Photographs of Solar Power Plants:



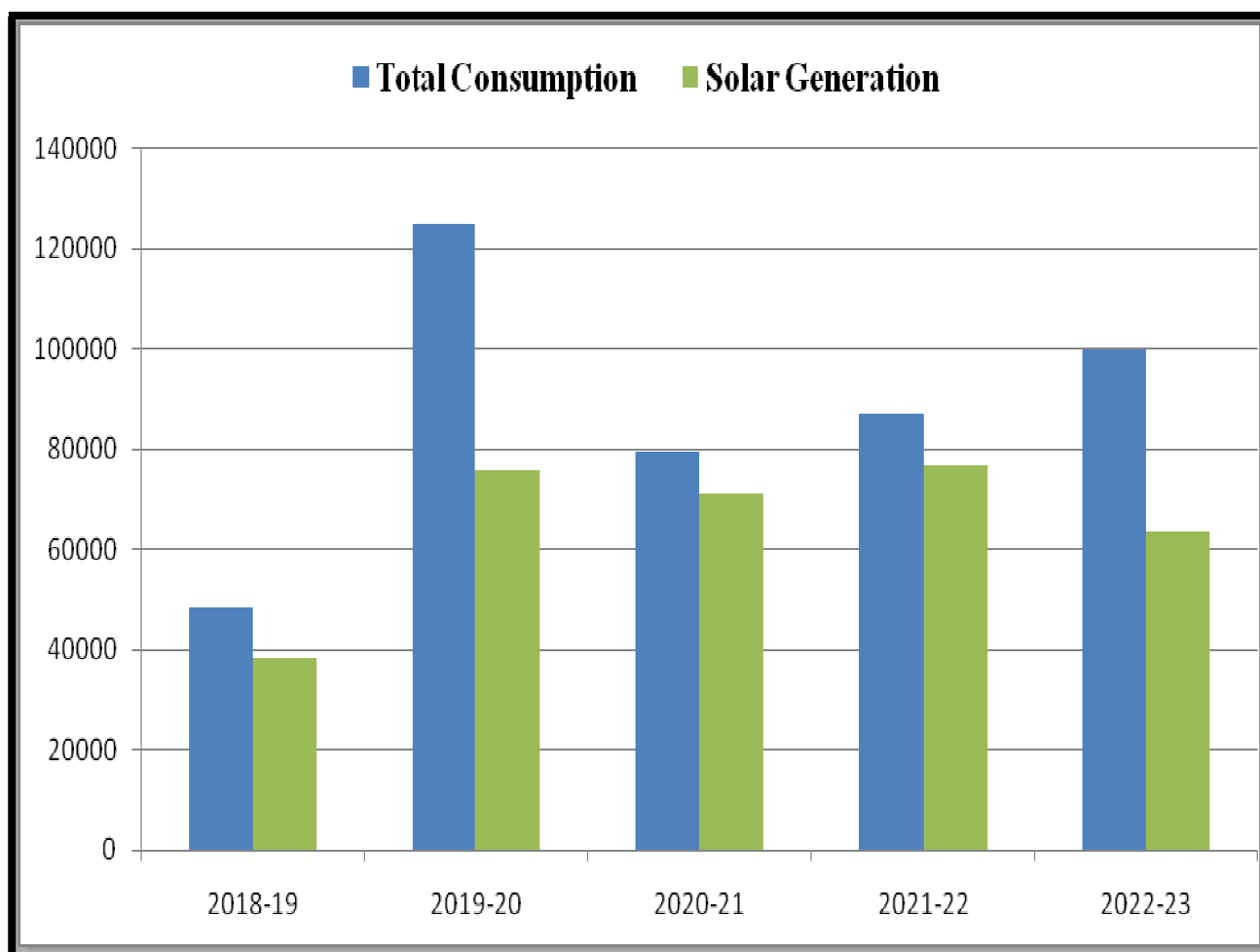




Vision: Committed and Persuasive efforts towards Holistic Education

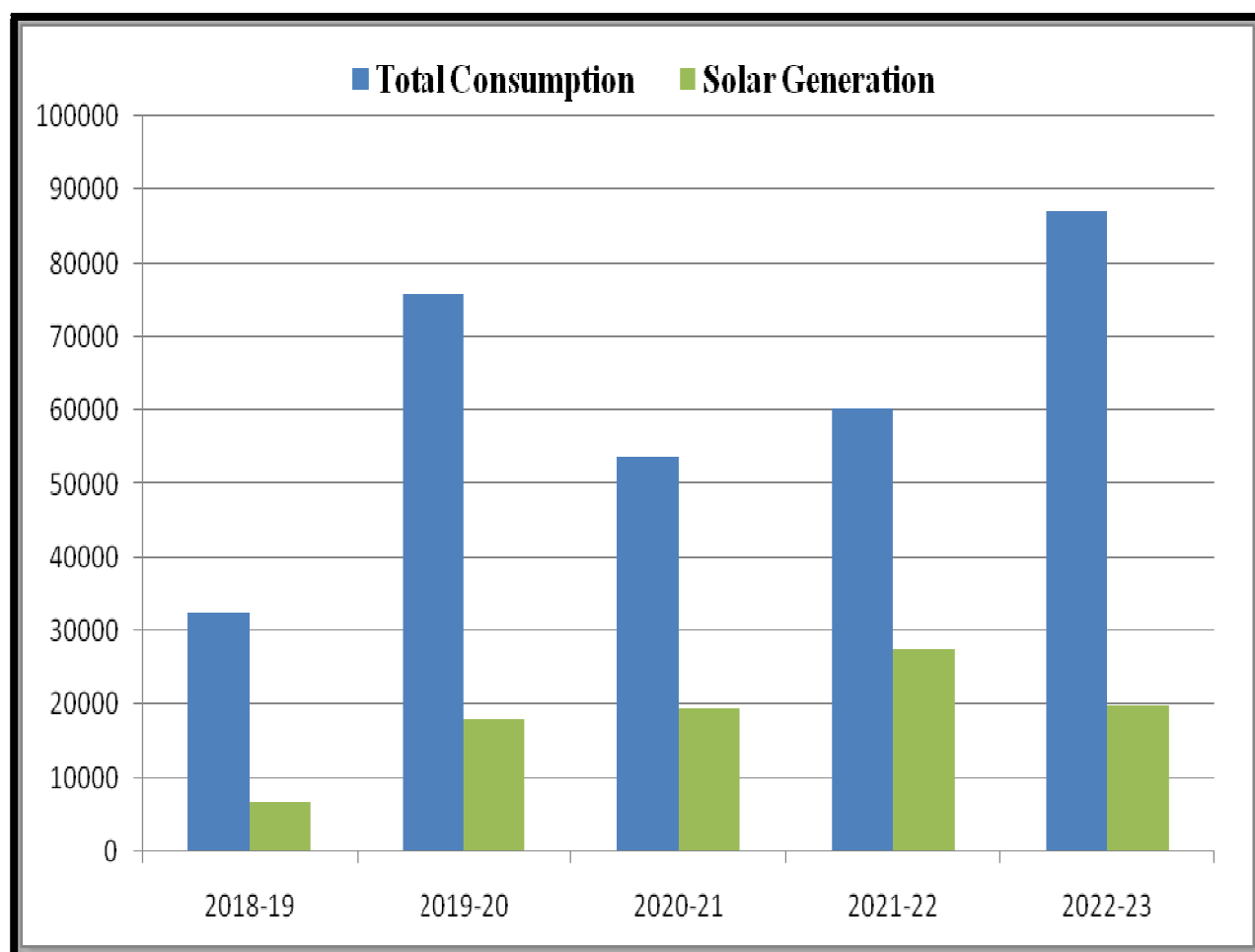
Details of energy generation and saved CO₂ emission by Ongrid 60 KW Solar PV System are as follows:

year	Total Consumption	Solar Generation	% Generation from Solar	Bill Amount paid to MSEB	Amount Saved in Electric Bill	CO2 Savings (Kg)	Trees Planted
2018-19	48445	38404	78.1583	193512	741012	17473.8	52.951
2019-20	125259	75764.6	61.2742	841224	1688640	34472.9	104.463
2020-21	79525	71203.6	90.3839	392460	4499395	32397.6	98.1747
2021-22	87018	76813	88.3	285382	4211045	34950	106
2022-23	99909	63518	63.6	672298	1380024	28901	88



Details of energy generation and saved CO₂ emission by Ongrid 20 KW Solar PV System are as follows:

Year	Total Consumption	Solar Generation	% generation from Solar	Bill Amount paid to MSEB	Amount Saved in Electric Bill	CO2 Savings (Kg)	Trees Planted
2018-19	32568	6773.43	20.67344	329777.8	86911.93	3081.911	9.339123
2019-20	75844	18161.4	25.25142	758169.3	251146.6	8263.437	25.04072
2020-21	53756	19403.36	46.24135	333780	294054.6	8828.529	26.75312
2021-22	60275	27629	45.8	455949	395547	12571	38
2022-23	87115	19964	22.9	1104225	328014	9084	28





[Home](#)

E-waste bin

An awareness campaign was conducted for staff and students regarding E-waste disposal in association with Eco Friend industries, MPCB/CPCB authorized E-waste disposal facility, Dadar, Mumbai. An appeal was made to dispose the e waste carefully and requested them to bring their e-waste in college where it will be collected and disposed off in the e-waste bin which is placed in college premises. This waste is collected by the agency appointed by MPCB. The department received Green certificate for E waste disposal from the agency.

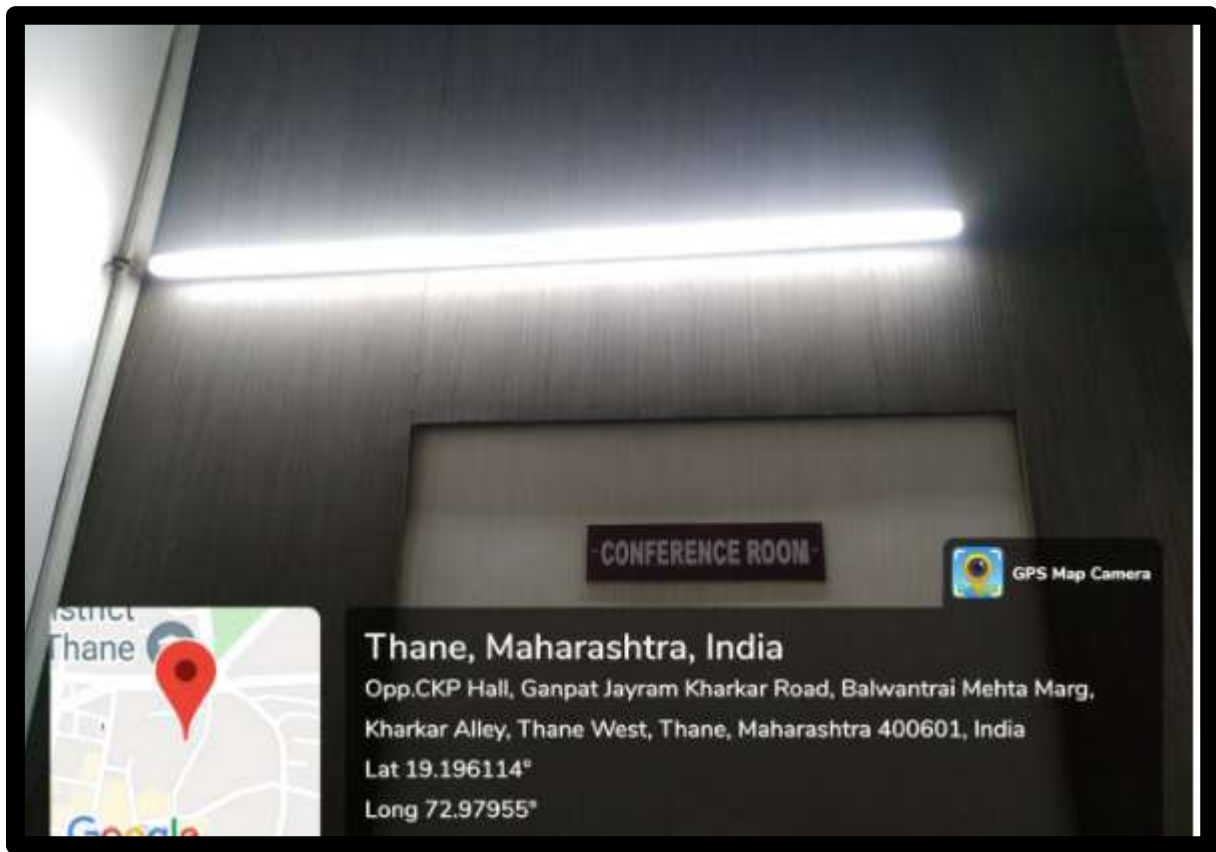




Electricity Saving /Conservation

- To save electricity ,college has doing various activities like
- Classrooms are designed and constructed with sufficient cross ventilation and light facilities so that the use of electricity can be minimized
- It is ensured that the lights and fans are switched off by floor peons and staff after completion of the last lecture of the day.
- All tube lights, fans and switches are numbered so that only the needed one will be switched on.
- Air conditioners in the Principal's office, Vice-Principal's Office, Admin Office, staff rooms, Conference room, AV room, Computer labs are used whenever the faculty is required at temp between 22⁰c to 28⁰ c .
- Use of LED bulbs and Screens .





[Home](#)





[Home](#)

Pot Gardening

The college has a vertical campus, so the college has maintained pot gardening by planting some trees.

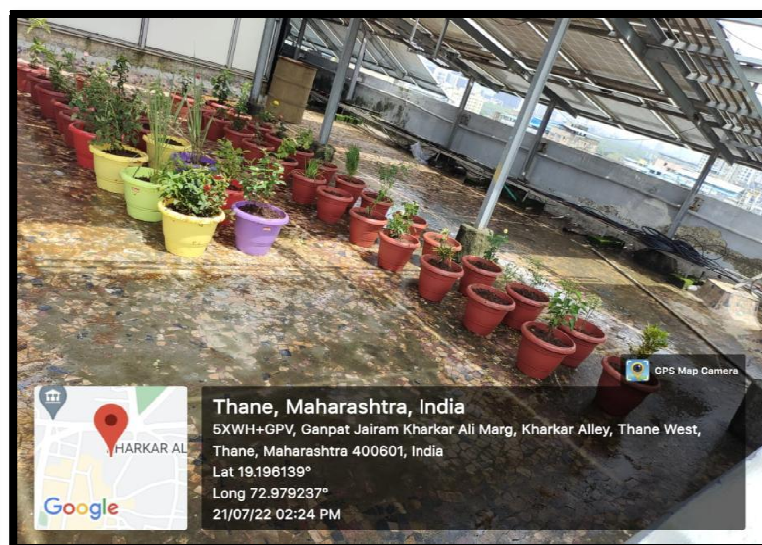
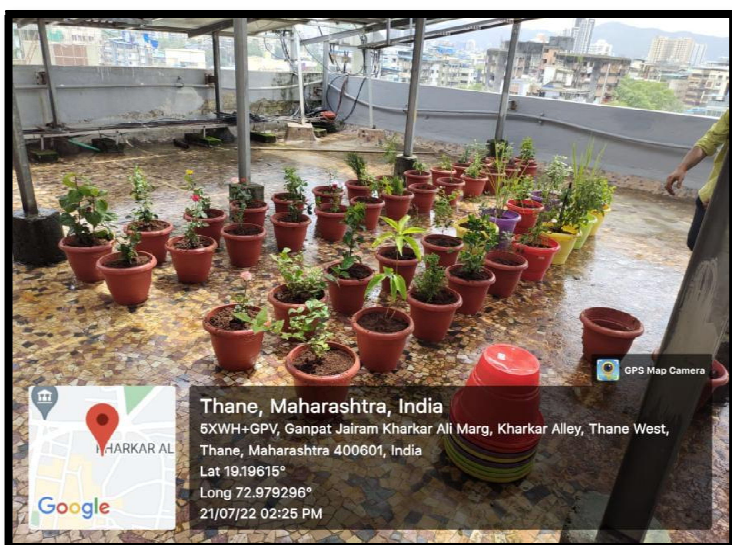
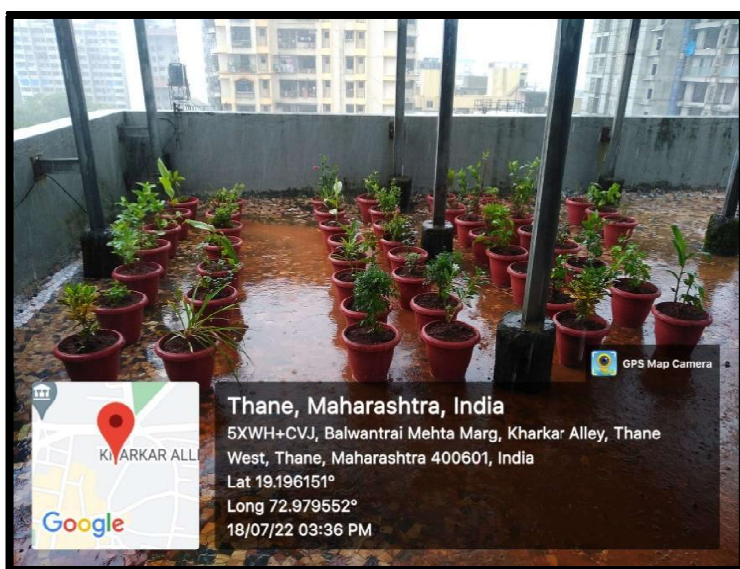


Vision: Committed and Persuasive efforts towards Holistic Education



Terrace Gardening

- In Academic year 2021-22 , College's Green Campus, and Nature Club has developed Terrace Gardening on college campus with the objectives as
 1. To reduce overall heat absorption by developing terrace gardening
 2. To increase the amount of oxygen on the college campus
 3. To improve air quality
 4. To reduce greenhouse gas emissions
 5. To make the college campus green and clean





[Home](#)

Restricted Entry to outsider's vehicles

1. To make the campus eco friendly, entry of outside vehicles is strictly prohibited in college premises.
2. College is located near the railway station and bus stand, due to that students and staff prefer to use public transportations facilities .





[Home](#)

Set up of Signage

College has set up various signage in each classroom and on each floor for creating awareness about energy and water conservation among the students.



Vision: Committed and Persuasive efforts towards Holistic Education



Tree Plantation beyond the campus.

College NSS has taken Tree Plantation initiatives for spreading Environmental Consciousness and Sustainability, In terms of environmental outreach activities.

- In Academic year 2018-19, Tree Plantation took place on 5th August 2018 at Vartak Nagar Thane. 86 volunteers participated in tree plantation which was held at orphanage in Vartak Nagar Thane 'Balsnehalay', Thane and also within college campus. 55 saplings were planted



- In Academic year 2019-20, Tree plantation drive was held on 6th July 2019 at Patlipada, Thane for environment awareness with 37 volunteers



- In Academic year 2020-21, due to the pandemic situation caused by Covid 19, The NSS unit had planned to celebrate “Tree Plantation Week.” From 3rd August 2020 to 9th August 2020. by carrying the tree plantation activity in the area of their residence And Volunteers are requested to share their photos of doing tree plantation .



- In Academic year 2021-22, due to the pandemic situation caused by Covid 19, The NSS unit had organized “Tree Plantation .” Students were informed to plant the trees in the area of their residence , and requested to share their photos of doing tree plantation .



- In Academic year 2022-23, Tree plantation activity was conducted by NSS Unit on 4th July 2022 at Hanuman Nagar, Wagle Industrial Estate with 139 NSS volunteers along with 2 Program officers planted 101 saplings.



Moving Towards Paperless Governance:

From Academic year 2021-22, college has taken the initiative of marching towards paperless governance. Under this initiative authority has suggested the followings-

- Before taking printouts, send email of any proposal or notice to the authority
- For 1st draft , use other side of the waste pages for printing
- Take printouts on both sides of pages as far as possible
- Notices can be send on students WhatsApp group & upload on College web site

Initiatives taken by administrative staff for Paperless Governance:

- Online Admission process for SY & TY Students
- Online Attendance
- Online form fillings for ATKT examination
- Online Google forms for Bonafide, N.O.C., T.C. & Transcript.

After this initiative following observations are made-

- Instead of printed notices , soft copies of notices are sent on students WhatsApp groups
- Proposals, notices etc are sent by emails to the authority for approval
- Reduction in size of salary slips
- Use of backside of waste pages for printouts
- Use of paper stationary is reduced





WASTE MANAGEMENT



GPS Map Camera



GPS Map Camera



Thane, Maharashtra, India
5XWH+CVJ, Balwantrai Mehta Marg, Kharkar Alley
Thane West, Thane, Maharashtra 400601, India
Lat 19.196152° Long 72.979569°
GMT +05:30
Sheth NKTT College, Thane West
09/7/22 11:00 AM



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5XWH+CVJ, Balwantrai Mehta Marg, Kharkar Alley
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