



KARMAVEER SHANKARRAO KALE EDUCATION SOCIETY'S

SAU. SUSHILAMAI KALE ARTS, COMMERCE & SCIENCE COLLEGE, GAUTAMNAGAR

POST- KOLPEWADI, TAL- KOPARGAON, DIST- AHAMEDNAGAR. PIN- 423602



**GREEN AUDIT
2020-21**



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1. INTRODUCTION :

Sau. Sushilamai Kale Arts, Commerce & Science College were established on 01th August, 2002. It is established to impart quality education to the students coming from weaker sections of the society from the rural area. From last 19 years, it has been continuously dedicated to sincere service of the society to lead it from darkness to light. It has remained most effective measure for the social change in awakening the society and sowing the seeds of humanity. Facing challenges and undergoing required changes from time to time, it has contributed to the core values of NAAC in future. It has contributed to national development, fostered global competencies among students, imparted value system among students, promoted the use of technology and created quest for excellence among the students and teachers. Taking into account the mission and vision of the institution, it has been marching ahead to meet the challenges of changing scenario of the education today.

Our College runs Arts (Senior), Commerce (Senior), and Science (Senior). It has rich infrastructure consisting of Administrative Office, Class Rooms, Virtual Classroom, Library with e-book Facilities, Seminar Hall, Language Lab, Gym, Canteen, Outdoor Games Facilities with Walking Track, Vehicle Parking, and Ladies Common Room for Staff & Girls, and a in 5.12 acres of Green Campus. The total infrastructure is well furnished to meet day-today needs of the teaching and learning.

Our college pays proper attention towards teaching, learning & research process as well as – Co-curricular, Extra-curricular & Extension activities. Our IQAC and its supporting committees work for quality creation and control. It has support services like NSS, Cultural, Sports, Language & Literature Association, Social Science Association, Commerce Association, Career Guidance and Placement Cell. Women's Grievances and Redressal Cell create interest and awareness among the students regarding education and social life. Every department organizes various activities to enrich the students. We publish 'GAUTAM ANNUAL MAGZINE', 'VASUNDHARA HASTALIKHIT' & 'PALVI HASTALIKHIT', 'VANIJYA VARTA' poster presentation to shape and sharpen the creative and critical insight of the students. NSS camps are regularly organized where the students learn discipline, dedication to social work and national integration. We shape the civilians with the commitment for the constitution of our nation.

Our college IQAC suggested having green audit of the campus. Time to time it guided the committee to beautify the campus with tree plantation so as to make the campus lush green. The air pollution is controlled due to it. The students enjoy setting in the shade of the trees. As per our environment policy, we have been making our college pollution free and green-clean campus.

2. ENVIRONMENTAL POLICY OF THE COLLEGE :

Sau. Sushilamai Kale Arts, Commerce & Science College is a quality conscious college. It protects its own environment with its green campus, kept pollution free. Environment development is its basic work with the educational policies implemented in the campus.

Well, the management and the students of the college look after the environment carefully. Every year, during rainy season, we do tree plantation and carefully look after it. It's our own responsibility to preserve the work done in the campus related to the environment.

We have decided our own environmental policy as-

- i. To create awareness regarding environmental policy of our college to our students and the management.
- ii. To maintain pollution free campus by avoiding tobacco, pan-masala etc., chewing in the campus. As per the govt. rules and regulations, the instructions are displayed in the campus.
- iii. To use the garbage for recycling it in the room of fertilizers with the help of Vermi compost plant.
- iv. To sensitize the students and staff regarding the use of drinking water properly for which, we have provided aqua-guarded drinking water facilities in the campus.
- v. To bring into use the 'Rain Water Harvesting' in the campus. We have collected the rain water from the college roof and it is percolated in the land.
- vi. To use 'No Vehicle Day' concept and keep the campus vehicle free. It helps to save the fuel and make the people use their own natural means.
- vii. To use the walking track for students and the citizens this is maintained pollution free in the natural beautiful campus.
- viii. To use the ICT and use minimum paper. It will help to go towards 'Paperless Office'.
- ix. To use 'Use Me' dustbin in the college campus so as to keep the campus clean.
- x. To reduce the 'sound pollution the campus, we have built the seating arrangements in the shade of trees in our campus. 'VIKAS SURYA KATTA' is our concept which has helped us to maintain silence in the college campus.
- xi. To us the natural water supply in our campus which is our own 'college water storage', 'VIKAS SURYA WATER TANK' for the generacy made in our campus.
- xii. To maintain green campus, we are doing 'Green Audit' of our college.

This is our environmental policy approved by; our educational institution, 'Karmaveer Shankarrao Kale Education Society'.

3. COMMITTEE FOR GREEN AUDIT :

The Green Audit Committee will act as per the environmental policy and should the responsibility of maintaining and protecting environment surrounding the college. The aim of the committee is to provide advice for the development of environmental policy and practice in the areas of.

- ❖ Waste Management
- ❖ Soil Management
- ❖ Bio diversity and threatened species preservations
- ❖ Energy use and conservations
- ❖ Eco-friendly techniques
- ❖ Noise Pollution
- ❖ Air Pollution
- ❖ Paper less operating procedure
- ❖ Green environment and clean campus

4. Constitution of Committee:

Sr. No	Name of Member	Designation	Title in Committee
1.	Dr. Gursal V.N.	Principal	Chairman
2.	Mr. Nilkanth A.A.	HOD of Botany Dept.	Coordinator
3.	Mr. Ghorpade A.P.	Asst. Prof. Botany Dept	Member
4.	Mr. Kale A.D.	Asst. Prof. Botany Dept	Member
5.	Mr. Pote V.C.	HOD of History Dept.	Member
6.	Mr. Jadhav S.D.	HOD of Eco. Dept.	Member

5. AIR POLLUTION MANAGEMENT

A. Periodic awareness programme for staff, students and society:

We at college continuously conducting awareness programmes for staff, students and society for protecting and maintaining environment. The awareness is also done by arranging road shows, rallies on various issues related to environment and health. The college students and faculty members through NSS are involved in the activities.



B. Plantation programme throughout the year:

We at Sau. Sushilamai Kale Arts, Commerce & Science College are doing plantation programme through NSS unit, not only in college campus but also in Kopergaon tahasil villages which is adopted by our college for the sake of environment awareness and planted more than 150 plants through NSS unit on 18th -24th Feb 2017. In our college campus we planted more than 400 trees from 2014-15. The tree plantation table is showed through the table mentioned below.

Sr. No	Year	No. of Plants	Total no. of plants
1.	2015	30	405
2.	2016	40	
3.	2017	65	
4.	2018	110	
5.	2019	160	



C. Establishment of oxygen park, plantation of ox rich plants

Our college has a beautiful green campus. We have skillfully planted the plants like Pimpal, Neem, and Tulsi so as to have oxygen and make the campus fresh full of oxygen. The greenery has remained useful in developing Oxygen Park in our college.

D. 'No Smoking, No Tobacco' in campus area:

Sau. Sushilamai Kale Arts, Commerce & Science College is completely smoking and tobacco free campus and use of these are a punishable offence. The instructions regarding this are already given to the students and the staff members. The display boards are displayed at various places in the college. In reference to this subject we created various eye opening posters and wallpapers in our college.



E. 'No Vehicle Day' in college at least twice in a month:

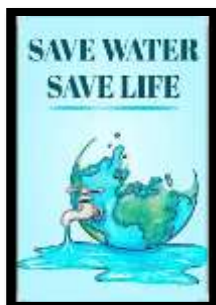
To avoid the pollution the vehicles are not allowed in the campus but they are parked in the parking area, reasonably away from college. Our college has separate parking area. The first and the fourth Saturday is declared as no vehicle day in our college to avoid pollution. Every staff member and students are not allowed their vehicles on these two days and they cooperated gently.

F. Compulsory pollution check-up of 2W/4W:

To have a PUC certificate is a mandatory document by RTO authorities; we are creating awareness and instructing students through periodic notices to go for PUC certification of their vehicles.

G. Display boards in college campus:

Various boards for the awareness on the environment control, noise control, and tobacco free campus, conservation of energy, recycling of resources, tree plantation and environmental policy of college are displayed for all the stakeholders.



H. Periodic rallies and road shows for awareness:

Our college is having National Social Service (NSS) Unit which regularly takes part and arranges the street shows and rallies every year.

The students also took part in AIDS awareness rally, prevention of self-medication and Dengue awareness rallies. National and social outlook is inculcated in the students through programmes such as Constitution day, Swatch Bharat Abhiyan, blood donation camp, polio eradication, communal harmony, fund raising and natural calamities and other such activities through the NSS unit. We are linked with Sanjivani Blood Bank, Kopergaon for arrange blood donation camp every year.



I. Eco-ventilators/Exhaust fans in laboratory and library:

Chemistry laboratories are having good ventilation and exhaust fans.

J. Maintain data for flora of college campus:

Our Sau. Sushilamai Kale Arts, Commerce & Science College is having green campus, which comprises of following floras:

Sr. No.	Local Name	Botanical Name	Code	Total no. of Trees
1.	गुंजपाला	<i>Abrus precatorius L.</i>	A	1
2.	खिसमसपाम	<i>Adonidia merrillii Becc.</i>	B	2
3.	कोरफड	<i>Aloe vera L.</i>	C	1
4.	सप्तपर्णी	<i>Alstonia scholaris L.</i>	D	4
5.	खिसमसट्री	<i>Araucaria columnaris J.R.Forst.Hook.</i>	E	1
6.	कडुलिंब	<i>Azadirachta indica L.</i>	F	6
7.	आपटा	<i>Bauhinia racemosa Lam.</i>	G	1
8.	पळस	<i>Butea monosperma Lam.</i>	H	4
9.	शंखासुर	<i>Caesalpinia pulcherrima L.</i>	I	4
10.	बॉटलब्रश	<i>Callistemon lanciolatus (Sm.)Sweet.</i>	J	3
11.	कर्दळ	<i>Canna indica L.</i>	K	1
12.	बहावा	<i>Cassia fistula L.</i>	L	1
13.	सुरु	<i>Casuarina equisetifolia L.</i>	M	34
14.	सदाफुली	<i>Catharanthus roseus L.</i>	N	1
15.	नारळ	<i>Cocos nucifera L.</i>	O	47
16.	गुलमोहर	<i>Delonix regia (Boj ex Hook)Raf</i>	P	4
17.	मनीप्लांट	<i>Epipremnum aureum G.S.Bunting</i>	Q	1
18.	क्राइस्ट प्लांट	<i>Euphorbia milii Des Moul.</i>	R	1
19.	फिकस	<i>Ficus benjamina L.</i>	S	4
20.	रबर	<i>Ficus elastica Roxb.</i>	T	1
21.	पिंपळ	<i>Ficus religiosa L.</i>	U	1
22.	बॉटलपाम	<i>Hyophorbe lagenicaulis L.H.Bailey</i>	V	2
23.	गोल्डनडूर्याटा	<i>Duranta erecta L.</i>	W	1
24.	इक्षोराइक्सोरा	<i>Ixora coccinea L.</i>	X	1
25.	अडुळसा	<i>Justicia adhatodaL.</i>	Y	1

26.	मेहंदी	<i>Lawsonia inermis L.</i>	Z	1
27.	सुबाभूळ	<i>Leucaena leucocephala Lam.</i>	AA	3
28.	गुळवेल	<i>Lilium candidum L.</i>	AB	1
29.	आंबा	<i>Mangifera indica L.</i>	AC	1
30.	बकाण	<i>Melia azedarach L.</i>	AD	3
31.	कन्हेर	<i>Nerium oleander L.</i>	AE	1
32.	आवळा	<i>Phyllanthus emblica L.</i>	AF	1
33.	मोरपंखी	<i>Platyclusus orientalis L.</i>	AG	13
34.	पेरू	<i>Psidium guajava L.</i>	AH	1
35.	ट्रव्हलिंगपाम	<i>Ravenala madagascariensis Sonn.</i>	AI	2
36.	रेनट्री	<i>Samanea saman(Jacq.) merr.</i>	AJ	3
37.	तरवटा	<i>Senna auriculata L.</i>	AK	2
38.	चिंच	<i>Tamarindus indica L.</i>	AL	2
39.	बदाम	<i>Terminalia catappa L.</i>	AM	3
40.	अश्वगंधा	<i>Withania somnifera L.</i>	AN	1
41.	फॉक्सटेलपाम	<i>Wodyetia bifurcate A.K.Irvine</i>	AO	2
42.	बोर	<i>Ziziphus jujuba Mill.</i>	AP	4
43.	शेंद्री अनोठा	<i>Bixa orellana L.</i>	AQ	2
44.	बिबळा	<i>Pterocarpus marsupium Roxb.</i>	AR	2
45.	शिकेकाई	<i>Acacia concinna L.</i>	AS	2
46.	निलगिरी	<i>Eucalyptus oblique L.</i>	AT	1
47.	ब्रम्हानंद	<i>Kejelia pinnata L.</i>	AU	2
48.	सफेद मुसळी	<i>Chlorophytum boriviliaum</i>	AV	2
49.	जयपाल	<i>Croton tiglium</i>	AW	2
50.	काटेसावर	<i>Bombax ceiba L.</i>	AX	2
51.	बेहडा	<i>Terminalia bellirica Roxb.</i>	AY	2
52.	भोकर	<i>Cordia dicholoma L.</i>	AZ	2
53.	वाळा	<i>Chrysopogon zizanioides L.</i>	BA	2
54.	पाडळ	<i>Stereospermum tetragonum DC.</i>	BB	2
55.	पळस पिवळा	<i>Butea monosperma (Lam.) Taub.</i>	BC	2
56.	सिमारुबा	<i>Simarouba glauca DC.</i>	BD	2
57.	सीता अशोक	<i>Saraca asoca Roxb.</i>	BE	2
58.	कांचन	<i>Bauhinia racemosum Lam.</i>	BF	2
59.	शतावरी	<i>Asparagus racemosus Wills.</i>	BG	2
60.	मोह	<i>Madhuca longifolia J.F.Macbr.</i>	BH	2

61.	पँप्यूलर ट्री	<i>Populus tremula L.</i>	BI	2
62.	कलाब्ध	<i>Crescentia cujeta L.</i>	BJ	2
63.	कुंभा	<i>Careya arborea Rob.</i>	BK	2
64.	अर्जुन	<i>Terminalia arjuna Roxb.</i>	BL	2
65.	माहोगनी	<i>Swietenia mahogoni L.</i>	BM	2
66.	खाया	<i>Khaya grandifoliola C.DC.</i>	BN	1
67.	कर्पूर तुळस	<i>Ocimum kalimandschariea L.</i>	BO	5

6. NOISE POLLUTION MANAGEMENT

A. Silence zones in college like library, auditorium:

Various display boards are present in library, auditorium and other places for awareness to maintain silence in the college.

B. Noise control during any programme in college:

The college has one huge gate for the entry and exit of students, monitored by the security guard. The security guard and professors of sports department ensure smooth entry and exit of students without any noise and nuisance under Discipline Committee.



C. Controlling entry and exit of students monitoring through stock register

1. Our college has the main gate, and three building gates to the main building. The teaching learning programme and head office activities run in this building. During the annual prize distribution ceremony, we use the only one gate through which the students can come and go easily. The one emergency gate are used to control the rush of students.
2. We have the entry register for the people coming to our college who are not the students of the college. Most of the times, the parents visit the college, they register their names at the gate and then they are allowed to enter the college.
3. The security guard looks after the safety of the college campus.

D. No pressure horns for vehicle:

Our college staff members and students does not use pressure horns and is not permissible for the students studying in the college.



7. HUMAN HEALTH AND SAFETY MANAGAMENT

A. Group insurance for staff and students:

To ensure the safety of the staff members the college has adopted the group insurance. We are also going to open the insurance policy of our students.

B. Accident policy :

The staff has LIC insurance policy in relation to accident.

C. Periodic health check-up:

College organizes periodic health checkup for the students and the staff members of the college every year with the help of K.S.K.S.S.K Clinic, Gautamnagar, Kopergaon.

D. HB, blood group for Students:

Our college organizes blood donation camps with the help Sanjivani Blood Bank, Kopergaon. It has helped us in getting the blood group of our students. The HB Checkup also takes place which helped our students in looking after their diet. The college, time to time organizes health care camps.

E. Awareness campaign on human health:

Various lectures and programmes are arranged for creating health awareness and developing good habits among students and staff members. Road shows are presented through NSS unit for health awareness. Every year NSS unit organizes a camp in nearby villages and plans to clean the village campus and various lectures are organized to create awareness in villagers. In 2019-20 NSS unit held the camp in 'Anjanapur' village.





F. Sanitary napkins vending machines in ladies room:

It is available in girl's common room. The use of sanitary napkins is very important for girl students and ladies staff for maintaining their fit health.



G. Yoga /Meditation for staff at least once in a week

Health is wealth, is understood by our students and staff. Our college campus provides the facilities of outdoor stadium for the students, staff and the citizens of Kolpewadi. Our sports faculty provides proper guidance and we are motivated to do the daily exercise of Yoga/Meditation in the college.





H. Awareness campaign for society for vector bond diseases like Polio, Dengue etc. and road city:

Our college's NSS units regularly arrange street shows and rallies for creating awareness in society on Dengue, Corona and other diseases. Also done awareness campaigns for Aids, Cancer, with coordination with Kolpewadi Grampachyat.

I. Awareness campaign for aids, cancer and TB with coordination of PHC

Our college NSS activities are visible in doing the awareness regarding Aids, Cancer and Corona. Time to time, the other activities of the college also creates awareness by organizing poster competitions, wallpapers etc.

J. Arranging blood donation camps:

The NSS unit of Sau. Sushilamai Kale Arts, Commerce & Science College organizes blood donation camps in association with Sanjivani Blood Bank, Kopergaon; every year.

Sr. No.	Year	No. of students who donated blood	Total
1.	2016-17	43	245
2.	2017-18	47	
3.	2018-19	75	
4.	2019-20	45	
5.	2020-21	35	



K. Bus passes for students:

Ours' is a college having the students from the neighborhood of the rural area. Our college helps these students in gating the bus passes. We have developed linkage with the office of bus depot so as to help the students smoothly in getting the facility. It has helped the college to increase the strength which doesn't use vehicles due to which the reduction of air pollution takes place.

L. Fire safety:

Sau. Sushilamai Kale Arts, Commerce & Science College is having awareness about fire extinguisher. Fire extinguishers are fixed in the office, laboratories, and library of the college for safety purpose.

M. SOP's on safety in laboratory and first aid box:

All the laboratories are equipped with SOP's, Do's Don't' for the laboratory safety. All laboratories are having first aid box. The students are also trained for first and emergency treatment in various situations. First aid boxes are kept in science laboratories, administrative office and gymnasium hall of the college.

N. Emergency phone numbers:

All the emergency phone numbers are displayed at the entrance and copy is also available in administrative office.

Sr. No.	Office	Contact No.
1.	Office of the College	02423-262612
2.	Hospital	02423-261214
3.	Police Station	100
4.	Women Helpline	1091
5.	Fire Brigade	112 / 02423-261210
6.	Ambulance	112

O. Controlled area for storage of hazardous chemicals:

- **Safety work instruction when using hazardous chemicals**

- Near eat drink smoke when using hazardous chemicals, wait until the work is done & you have washed your hands.
- Make sure you know where the nearest firefighting equipment is located.

The Hazardous substances should always be in accordance with the ‘Karmaveer Shankarrao Kale Education Society’s’ specification.

- Only use the product for it’s intended purpose never misuse the product for anything other than its intended purpose.

- **Personal chemical safety rules :**

- Were gloves & glasses where appropriate while handling chemicals.
- Follow instructor’s directions.
- Dispose of waste properly; do not pour down the drain.
- Lab coat to be worn all the time.
- Wear shoes.

Safety goggles must be worn all the time while working in the lab.



8. SOIL POLLUTION MANAGEMENT:

A. Vermi compost plant in college (use of bio-fertilizers):

Our college has been decided to build Vermi compost plant in future. No a day we collect our college garbage and use it as a mulching agent for all plants in college campus. It is biocompatible and of natural origin. Synthetic fertilizers and insecticides are not used in Campus.

B. Rain water harvesting:

Our college is having rain water harvesting system to conserve the rain water. The earth water level is increased which helped to have water to our college boar well. It increases natural storage of water, and helps the college in getting water for various purposes.

C. Plastic free environment:

Our college has plastic free environment and also creating awareness amongst the students and staff members regarding the same by display boards and other programmes.

9. OTHER SECRETS FOR ENVIRONMENT MANAGEMENT:

A. Waste control chemicals and e-waste:

In our collage chemicals waste materials are diluted in water, and this water is used for gardening purposes.

B. Use of LED bulbs in college:

Principal's Office, Office of IQAC, Administrative Office, Library, Ladies Common Room, Virtual Classrooms, Language Lab, Computer Labs, Science Lab, Departmental Offices, and all classrooms have LED tubes to save energy.

C. Conducting energy audit :

In near future, we are about to conduct energy audit of our college. It will help us in maintaining our energy use in the college campus.

D. Dustbins in the premises:

In our college campus all the laboratories, cabin and corridor is having dustbins. Laboratories are having separate dustbins for dry and wet wastage. The use of dustbins maintains garbage free campus.

E. Waste control in canteen :

Our college has a beautiful canteen. Our canteen has a proper management which looks after the cleanliness of the campus. The garbage is properly collected and utilized it for making natural bio-fertilizer; as buried it under large tree trunk. The canteen also uses 'Use me' dustbins for the waste in the canteen. It has maintained cleanliness which attracts the attention of the student and the staff.

F. No uses of plastic in canteen :

Our canteen uses plastic bags, paper plates, newspapers, utensils so as to control the use of plastic in the college campus. It has helped in keeping the campus plastic free.

G. Use of dust proof chalks:

All the classrooms and laboratories are use dust free chalks in all times.

H. Minimum use of Xerox/printing:

In our college minimum data is converted into soft copies and procedures are digitalized which minimizes the use of printing papers. We also put warning stickers on each Xerox/Printing machine to use. The maximum working procedures are paperless. We take the already one sided xerox papers in use to avoid the maximum use of papers.