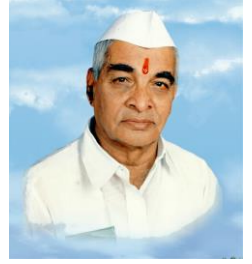




Sahyadri Bahujan Vidya Prasarak Samaj's
**Sahakar Maharshi Bhausaheb Santuji Thorat College of Arts,
Science and Commerce, Sangamner**
Tal - Sangamner, Dist - Ahmednagar, (422605)

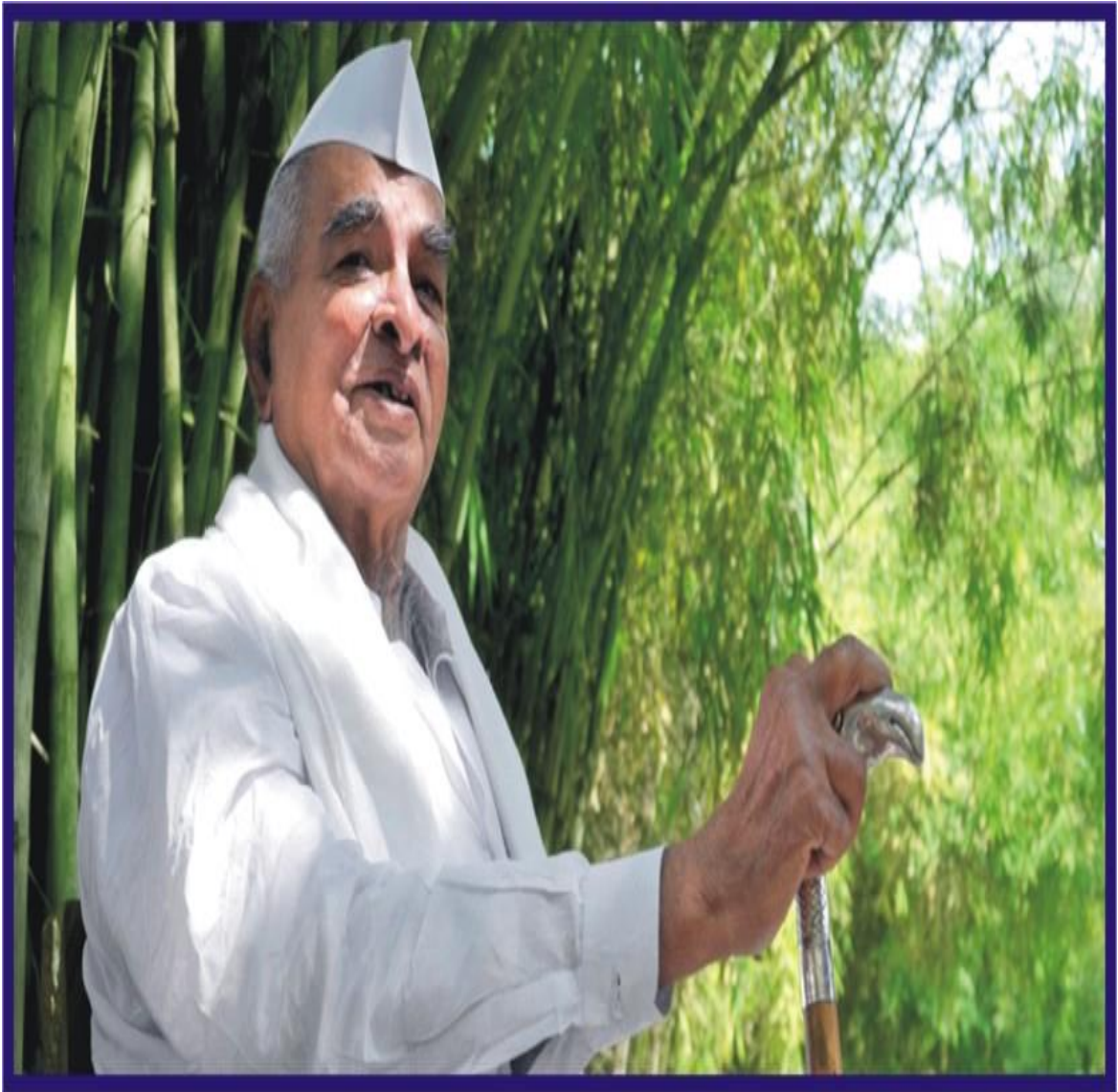


NAAC Accredited 'B' Grade



GREEN AUDIT 2018-19

Our Inspiration



Late Shri. Bhausaheb Santuji Thorat (Dada)

Freedom Fighter, Great Leader in the Sector of Agriculture and Founder of **Dandakranya Abhiyan** in and around Sangamner Tahsil, Which was Awarded by UNESCO.

Message



Hon'ble Dr.Sudhir B. Tambe,

M.L.C. Maharashtra State and Chairman, S.B.V.P.Samaj, Sangamner

“The entire object of the true education is to make people not merely do the right things, but enjoy the right things; not merely industrious but to love industry; not merely learned but to love knowledge; not merely pure but to love purity; not merely just but to hunger and thirst after justice.” John Ruskin “These words by John Ruskin perfectly describe our aim at S.M.B.S.T. College. Beyond providing sound education, we strive to provide quality education. Quality has become the defining element of education in the 21st century in the context of new social realities. The information communication revolution, the knowledge economy and globalization are greatly influencing the present society. Learners should have a right and choice to learn the subject of their interest. Education should not be a mechanical process of introducing standard inputs and receiving meaningless outputs. In this context quality and excellence should be the vision of every higher education institution.” “I am sure, S.M.B.S.T. College, while celebrating the 25th glorious year, will focus on developing a total person with enlightened socio-economic, cultural values and ideas.”

The College is also 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, staff and the students of the college look after the environment carefully. Every year 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.

Dr.Sudhir B. Tambe,

SR. NO.	CONTENT	PAGE NO.
1.	Introduction	05
2.	Environmental Policy of the College	06
3.	Committee for Green Audit	07
4.	Constitution of Committee	07
5.	Air Pollution Management A. Periodic awareness programme for staff, students and society: B. Plantation programme throughout the year: C. Establishment of oxygen park, plantation of ox rich plants D. 'No Smoking, No Tobacco' in campus area: E. No Vehicle Day in college at least twice in a month F. Compulsory pollution check-up of 2W/4W G. Display boards in college campus H. Periodic rallies and road shows for awareness I. Eco-ventilators/Exhaust fans in laboratory and library J. Maintain data for flora of college campus	08
6.	Noise Pollution Management A. Silence zones in college like library, auditorium B. Noise control during any programme in college C. Controlling entry and exit of students monitoring through stock register D. No Pressure horns for vehicle	17
7.	Human Health and Safety Management A. Group insurance for staff and students B. Accident policy C. Periodic health check-up D. HB, blood group for students E. Awareness campaign on human health F. Sanitary napkins vending machines in ladies room G. Yoga /Meditation for staff at least once in a week H. Awareness campaign for society I. Arranging blood donation camps J. Bus passes for students K. Fire safety L. SOP's on safety in laboratory and first aid box M. Emergency phone numbers N. Controlled area for storage of hazardous chemicals	18
8.	Soil Pollution Management A. Wormy compost plant in college (use of bio-fertilizers) B. Rain water harvesting C. Plastic free environment	22
9.	Other Secrets for Environment Management A. Waste control chemicals and e-waste B. Use of LED bulbs in college C. Conducting energy audit D. Dustbins in the Premises E. Waste control in canteen F. No uses of plastic in canteen G. Use of dust proof chalks H. Minimum use of Xerox/printing	24

1. INTRODUCTION:

"Nature is organic body of the man'Karl Marks.

Sahakar Maharshi Bhausaheb Santuji Thorat College of Arts Science and Commerce, Sangamner, Affiliated to Savitribai Phule Pune University, recognized by UGC under section 2(f) and 12(B) run by Sahyadri Bahujan Vidya Prasarak Samaj, established in 1965 under the leadership of veteran leader, freedom fighter, founder of the cooperative Sugar factory and an earnest social worker, Late. Shri. Bhausaheb Santuji Thorat. S. B. V. P. Samaj presently runs 2 Primary, 21 High schools, 10 Junior Colleges, 2 Senior Colleges and is actively devoted to the noble cause of education un to the last. The Institution offers degree courses like B.B.A., B.C.A., B.Sc.(Computer Science), B.A., B.Com, B.Sc, post graduate courses in M.A.(Hindi, History, Economics, Politics) & Post Graduate Research center in Economics, M.C.A.(Commerce), M.Com (E-commerce), M.Sc.(Drug Chemistry) and certificate courses like Soft Skills Development Programme, Modilipi, Yoga and Account Writing. Most of the students in the Institution come from rural and hilly areas and they do not wish to pursue dual degree. The Institution has been Reaccredited with grade 'B' (CGPA: 2.57) by NAAC in the academic year 2013-14, when the Institution had to pass through the hard times because of the inadequate financial assistance and other material things. But after the accreditation by NAAC the Institution has emerged as one of the reputed Institutions in semi-urban area as such, imparting a quality education for all and led it to every door step in rural and hilly area in and around Sangamner.

The Teaching fraternity is the real strength of our Institution engaged in curricular, co-curricular, extracurricular, research and extension activities. The Students Community coming from rural and hilly area, are availing all facilities like financial assistance, Physical Infrastructure, Career Guidance, Health and Hygiene services, Sports, Competitive examinations, Educational Tours, and Visits to Industrial area provided by the Institution. The Institution promotes qualitative research culture amongst the teachers and students' community through eminent educationists, scholars, expertise and resource-persons' guidance in National, State Level and University level seminars, workshops and conferences organized by various departments. The extension activities have successfully been carried out throughout the year by the NSS and NCC (Boys & Girls) units.

The Institution provides support services for the implementation of academic activities in a well discipline manner and healthy spirit. The College is also protects its own environment with its green campus, kept pollution free. Environment development is its basic work with the educational policies implemented in the college campus.

The management and the students of the college look after the environment carefully. Every year 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. The other efforts like use of solar energy, Water harvesting, Waste disposal mechanism, Use of electricity saving bulbs and tubes, well ventilated laboratories and classrooms, Drainage facilities, storage tanks ect. are also available

2. ENVIRONMENTAL POLICY OF THE COLLEGE:

Article 51-A states that "it shall be the duty of every citizen of India to protect and improve the natural environment including forests, lakes, rivers and wildlife and to have compassion for living creatures."

India is one of the parties of the Convention on Biological Diversity (CBD) treaty. Prior to the CBD, India had different laws to govern the environment. The Indian Wildlife Protection Act 1972 protected the biodiversity. The 1988 National Forest Policy had conservation as its fundamental principle.

Sahakar Maharshi Bhausaheb Santuji Thorat College of Arts Science and Commerce, Sangamner, 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 we organized the tree plantation programmes and carefully look after it. It's our moral 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 among the every stakeholders of the college.
- ii. To maintain pollution free campus by making rules and regulations strictly applying them in day to day working.
- iii. To displayed the instructions in the campus as per the govt. rules and regulations.
- iv. Efficiently use of natural resources, like Solar Energy, Biomass, Water etc.
- v. To sensitize the students and staff regarding the use of drinking water properly.
- vi. To bring into use the 'Rain Water Harvesting' in the campus.
- vii. To encourage the students for using bicycles to reach the college and to use 'No Vehicle Day' concept and keep the campus vehicle free.
- viii. To use the concept of **paperless work**, ICT and use in day to day functioning.
- ix. To use the garbage and leaf moulds for Vermicompost for recycling of waste.
- x. To reduce the 'sound pollution'
- xi. To use 'Use me' dust bin in the college campus so as to keep college campus clean
- xii. To maintain green campus, we are doing 'Green Audit' of our college

This is our environmental policy approved by **S.B.V.P.Samaj, Sangamner.**

3. CONSTITUTION 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 following areas -

- ❖ Waste Management through RRR – Concept.(Refuse,Reuse,Recycle)
- ❖ Bio diversity and Conservation of plants species.
- ❖ Energy use and conservations
- ❖ Eco-friendly techniques
- ❖ Noise Pollution
- ❖ Air Pollution
- ❖ Paper less work operation.
- ❖ Green environment and clean campus

4. COMMITTEE FOR GREEN AUDIT:

Sr. No	Name of Member	Designation	Title in Committee
1.	Dr.R.K.Datir	Principal	Chairman
2.	Dr.B. D.Wagh	Associate Prof.&H.O.D Botany	Co-ordinator
3.	Mr.L.D.Ghywat	Assistant Prof. Zoology and N.S.S.Programme Coordinator	Member
4.	Mr.P.B.Chaudhari	Associate Prof. Geography and NCC Officer.	Member
5.	Mr.S.B.Surve	Assistant Prof. Chemistry	Member

5. AIR POLLUTION MANAGEMENT

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

The 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/NCC are involved in the activities.

The institution made the arrangement of parking of students vehicles (2W, 4W) outside the college campus. The vehicles of staff and parents are park in the college campus it helps to maintain limited number of vehicles in the college campus. It is strictly observed and controlled by watchmen.

The college premises are covered with paving blocks which can control the dust and entrance of soil. and dust in classed and laboratories.



B.Plantation programme throughout the year:

Sahakar Maharshi Bhausaheb Santuji Thorat College of Arts Science and Commerce, Sangamner regularly organized plantation programme through NSS unit, NCC unit, and Department of Botany of our college. We organized plantation programme not only in college campus but also at Pimpalgaon konzira (NSS-adopted Village),Siblapure village which is adopted by our college for the sake of environment awareness, and planted more than 600 plants through NSS unit and department of Botany of our college. In our college campus we planted more than 250 + trees from 2016-18. Besides this the department of Botany also maintains more than 100 potted plants species and more than 3000 Sq.feet landscape of lawn (Green grass)The tree plantation table is showed through the table mentioned below.

Sr. No.	Year	Number of Plants	Total number of plants
1.	2016-2017	150	262
2.	2017-2018	112	



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

To make the campus greener in true sense, we have planted numerous trees that are specially selected for their oxygen generating properties. These trees are particularly helpful in balancing ecosystem. In addition to this we have planted more than 50 plants of Ocimum (Tulsi), 45 potted plants of Areca palm, 12 large plants of Azadirachta (Neem Plant) all these plants are most oxygen releasing plants.

We are fully aware of the menace of waste material, especially e- waste. To curb this menace, we have focused on waste management program that emphasizes minimal waste production and ecofriendly disposal of waste that is generated on the campus.

Our college has a beautiful green campus. We have skillfully planted the plants like Pimpal, Neem Trees, Tulsi, Ficus, Arjun, Kanchan etc. 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:

Sahakar Maharshi Bhausaheb Santuji Thorat 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. We also awareing the students by poster presentation, lectures of doctors and experts.



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

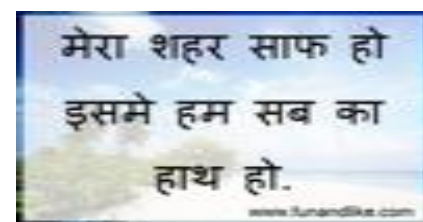
To avoid the pollution the vehicles are not allowed in the campus but they are parked in the parking area, reasonably away from college. Our college has separate parking area. The **Second and the fourth Saturday** is declared as no vehicle day in our college to avoid pollution. Every staff member and 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. We are creating awareness and instructing students through periodic notices to go for PUC certification of their vehicles. The PUC certificates were surprisingly check by the college authorities and students are suggest to check PUC of their vehicle

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, Clenliness, and environmental policy of college are displayed for all the stakeholders.



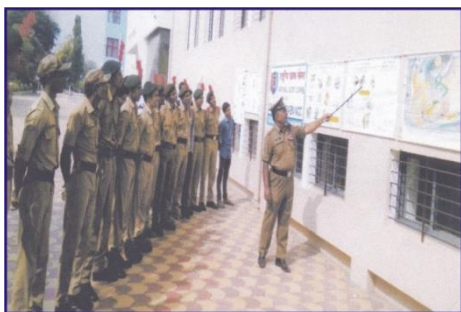


H. Periodic rallies and road shows for awareness:

National Service Scheme (NSS.), National Cadet Corps (NCC) Units of our college is regularly takes part and arranges the rallies and road shows, Pathnatya's every year.

The students of various departments also took part in AIDS awareness, awareness regarding hand sanitization, Dengue awareness rallies. National and social outlook is inculcated in the students through programmes such as Constitution day, Swatcha Bharat Abhiyan,, Blood donation camp, polio eradication, communal harmony and national integration, fund raising and natural calamities and other such activities through the NSS and NCC units. We are linked with Mathurabai Bhausaheb Thorat Trust,Dental College and Hospital and Tambe Hospital for arranging blood donation camp and other activities regarding the health every year.





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

More precaution is taken for good ventilation of all class rooms, Library, Laboratory etc. All safety precautions are taken in Chemistry laboratory which is attach with exhaust fans for good ventilation. Fumigation hood is also constructed for proper maintenance of Fumes. The total number of exhaust fans attached in the chemistry laboratory are thirteen and thirteen exhaust fans are attached in the departments at the basement of Vigyan Bhavan building.

J. Maintain data for flora of college campus:

Our Sahakar Maharshi Bhausaheb Santuji Thorat College is having green campus, which comprises of following floras:

Green Wealth of the Campus

Sr. No	Botanical Name	Family	Local Name	Number of Species
1.	Adansonia digitata L.	Bombacaceae	Gorakhchinch	02
2.	Ceiba pentandra (L.)Gaertn.	Bombacaceae	Pandhri sawar	01
3.	Bombax insigne Wall.	Bombacaceae	Katesawar	02
4.	Bombax ceiba L.	Bombacaceae	savar	02
5.	Saraca asoca (Roxb.)de Wild.	Caesalpiniaceae	Seeta ashok	03
6.	Tamarindus indica L.	Caesalpiniaceae	Chinch	01
7.	Bauhinia variegata L.	Caesalpiniaceae	Kanchan	03
8.	Caesalpinia pulcherria (L.)Sw.	Caesalpiniaceae	Shankasur	01
9.	Delonix regia (Boj.ex Hook.)Raf.	Caesalpiniaceae	gulmohor	02
10.	Cassia fistula L.	Caesalpiniaceae	Bahava	04
11.	Calliandra haematocephala Hassk.	Mimosae	Powder puff	01
12.	Psidium guajava L.	Rutaceae	Peru	01
13.	Syzygium cumini (L.)Skeels.	Myrtaceae	Jambhul	03
14.	Quisqualis indica L.	Combretaceae	Madhumalti	01
15.	Terminalia catappa L.	Combretaceae	jangli badam	01

16.	<i>Achras sapota</i> L.	Sapotaceae	Chikku	01
17.	<i>Spathodia campanulata</i> P.Beauv.	Bignoniaceae	Pichkari	09
18.	<i>Millingtonia hortensis</i> L.f.	Bignoniaceae	Buch	01
19.	<i>Solanum indicum</i> L.	Solanaceae	Chichardi	01
20.	<i>Vitex negundo</i> L.	Verbenaceae	Nirgudi	01
21.	<i>Santalum album</i> L.	Santalaceae	Chandan	01
22.	<i>Grevillea robusta</i> A.Cunn.ex R.Br.	Proteaceae	Silver oak	01
23.	<i>Phyllanthus emblica</i> L.	Euphorbiaceae	Amla	01
24.	<i>Holoptelea integrifolia</i> (Roxb.)Planch.	Ulmaceae	Whaval	01
25.	<i>Ficus benghalensis</i> L.	Moraceae	wad	01
26.	<i>Ficus religiosa</i> L.	Moraceae	Pimpal	01
27.	<i>Casurina equisetifolia</i> J.R. &G.Forst.	Casuarinaceae	Casuarina,Suru	01
28.	<i>Thuja orientalis</i> L.	Cupressaceae	Morpankhi	02
29.	<i>Erythrina indica</i> Lam.	Fabaceae	Pangara	01
30.	<i>Crotalaria retusa</i> L.	Fabaceae	Dingala	01
31.	<i>Butea monosperma</i> (Lam.)Taub.	Fabaceae	Palas	01
32.	<i>Barleria grandiflora</i> Dalz.	Acanthaceae	Koranti	02
33.	<i>Ixora coccinea</i> L.	Rubiaceae	Bakora	04
34.	<i>Tinospora cordifolia</i> (Willd.)Miers.	Menispermaceae	Gulwel	01
35.	<i>Roystonea regia</i> (H.B.&K.)Cook.	Aracaceae	Bottle palm	01
36.	<i>Cocos nucifera</i> L.	Aracaceae	Naral	02
37.	<i>Dracaena arborea</i>	Liliaceae	Dracaena	10
38.	<i>Cycas circinalis</i> L.	Cycadaceae	Cycas	04
39.	<i>Cycas revoluta</i> Thunb.	Cycadaceae	Cycas	01
40.	<i>Azadirachta indica</i> Juss.	Meliaceae	Kadulimb	10
41.	<i>Asperagus racemosus</i> Willd	Liliaceae	Shatawari	02
42.	<i>Mangifera indica</i> L.	Anacardiaceae	Aamba	02
43.	<i>Adhatoda vasica</i> Nees.	Acanthaceae	Adulsa	01
44.	<i>Tabernimontana alternifolia</i> (Roxb.)Nicols & Suresh	Apocynaceae	Tagar	07
45.	<i>Barleria cristata</i> L.	Acanthaceae	Katekoranti	02
46.	<i>Yucca gloriosa</i> L.	Agavaceae	Yucca	03
47.	<i>Leucaena latisiliqua</i> (L.)Gillis	Mimosae	Subabhul	01
48.	<i>Mimosa pudica</i> L.	Mimosae	Lajalu	01
49.	<i>Samanea saman</i> (Jacq.)Merr.	Mimosae	Rain tree	01
50.	<i>Callistemon citrinus</i> (Curtis.)Skeels.	Myrtaceae	Bottle brush	04
51.	<i>Cymbopogon citratus</i> Stapf.	Poaceae	Gavti chaha	01
52.	<i>Annona reticulata</i> L.	Annonaceae	Ramphal	01
53.	<i>Polyalthia longifolia</i> (Sonner.)Thw.	Annonaceae	Ubha Ashok	01

54.	<i>Michelia champaka</i> L.	Magnoliaceae	sonchafa	01
55.	<i>Plumeria alba</i> L.	Apocynaceae	Devchafa	02
56.	<i>Ficus heterophylla</i> L.f.	Moraceae	Ficus	20
57.	<i>Ficus benamina</i> L.	Moraceae	jade	
58.	<i>Canna indica</i> L.	Cannae	Kardal	01
59.	<i>Termenilia arjuna</i>	Combretaceae	Arjun	05
60.	<i>Frangula caroliniana</i> (Walter) <u>A.Gray</u>	Rhamnaceae	Indian Cherry	02
61.	<i>Eugenia jamuna</i>	Myrtaceae	Jamun	03
62.	<i>Alstonia scholaris</i>	Apocynaceae	Saptaparni	07
63.	<i>Mimusops elengi</i>	Sapotaceae	Bakul	10
64.	<i>Phyllanthus emblica</i> -Linn	Euphorbiaceae	Avla	01
65.	<i>Tremenilia chebula</i>	Combretaceae	Hirda	02
66.	<i>Bombax ceiba</i>	Malvaceae	Coton Silk	02
67.	<i>Spathodea campanulata</i>	Bignoniaceae	Spatodia	04
68.	<i>Bauhinia Purpurea</i>	Caesalpiniaceae	Kanchan	04
69.	<i>Bauhinia racemosa</i>	Leguminaceae	Apata	01
70.	<i>Nyctanthes arbor-tristis</i>	Oleaceae	Parijatak	01
71.	<i>Cassia fistula</i> ,	Fabaceae	Bahava	04
72.	<i>Terminalia bellirica</i>	Combretaceae	Beharda	02
73.	<i>Lagerstroemia speciosa</i> (L.) Pers.	Lythraceae	Jarul,Bondara	02
74.	<i>Swietenia mahagoni</i> ,	Meliaceae	Mohagani	02
75.	<i>Terminalia catappa</i>	Rosaceae	Badam/Indian Almond	04
76.	<i>Araucaria columnaris</i>	Araucariaceae	Christmas Tree	02
77.	<i>Dracaena</i> Sps.	Asparagaceae	Dracina	20
78.	<i>Thuja occidentalis</i>	Casurinaceae	Golden Cyprus	04
79.	<i>Neolamarckia cadamba</i>	<u>Rubiaceae</u>	Kadamba	01
80.	<i>Thuja compacta</i>	Casurinaceae	Morpankhi	04
81.	<i>Oscimum sanctum</i>	Lebiateae	Tulsi	60
<p>Total Plant Species = 81 Total Number of Plants = 286</p>				

Potted Plants Species (Ornamental Plants)

Sr.No.	Name of the Species	Total Pots/Plants
1	Dracaena varieties	20
2	Croton varieties	16
3	Areca palm	44
4	Foxtail palm	09
5	Ixora	03
6	Ficus (Green)	09
7	Fan palm	01
8	Defenbekia	02
9	Bakul	01
10	Sapota	01
12	Yucca gloriosa L.	07
13	Shami	01
14	Thuja	02
15	Ficus (White)	04
16	Chafa	01
17	Asparagus	01
18	Nim	01
19	Bombax	01
20	Lalpatti	01
21	Fern	01
22	Cycas	02
23	Parijatak	01
Total= 130		
➤ Total Lawn area (area of green grass) =2958 Sq.Feet.		

6. NOISE POLLUTION MANAGEMENT

A. Silence zones in college Campus- like library, auditorium:

The library, Laboratories, Auditorium halls are identified as silence zones; display boards are highlighted and other places for awareness to maintain silence in the college.

B. Noise control during any programme in college:

The college has constructed huge, specious and beautiful entrance for the easily entry and exit of students, which are monitored by the security guards. The security guard and director of physical education and members of discipline committee, ensure smooth entry and exit of students without any noise and nuisance. The Principle, Vice Principles and H.O.D. of different department always supervise and monitor the discipline of student.



C. Controlling entry and exit of students monitoring.

1. The college has constructed huge, specious and beautiful entrance for the easily entry and exit of Students, which are monitored by the security guards
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.
4. There is compulsory ID card verification in the college premises for all students.

D. No pressure horns for vehicle:

Our college staff members and students are aware about hazardous of noise pollution. They are strictly checked and controlled by watchmen's and members of discipline committee. The students are controlled for restricted use of their mobiles. The use of pressure horns is strictly prohibited in the campus.



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 through teacher's cooperative society. The student's insurance policy scheme of S.Phule Pune University is available for students.

B. Accident policy :

The staff has LIC insurance policy and group insurance through teacher's cooperative society in relation to accident.

C. Periodic health check-up:

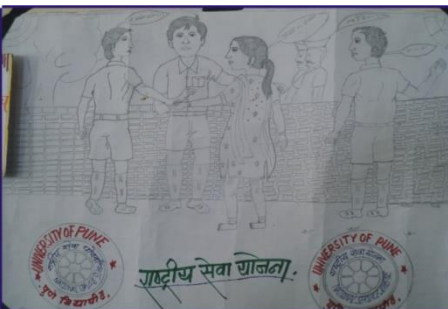
The college organizes health checkup camp for First year students and organizes periodic health checkup for the students and the staff members of the college every year with the help of Mathurabai Bhausaheb Thorat Trust, Dental College and Hospital Sangamner and Tambe Hospital Sangamner.

D. HB, Blood group for Students:

Our college organizes blood donation camps with the help of **Arpan Blood Bank Sangamner**. It has helped us in getting the blood group of our students. The HB Checkup camp is organized by Zoology department of our college. This helped our students in looking after their diet.

E. Awareness campaign on human health:

Road rallies, Pathntya, Poster presentations, lectures are arranged through NSS and NCC units for health awareness. The NSS unit organizes a winter Camp in nearby villages and organizes various awareness programmes such as Organic Farming, Cleanness, Tree plantation, YogaMeditation and Pranayam,,Beti Bachav Abhiyan,Aids Awareness,etc.



F. Sanitary napkins vending machines in ladies room:

It is available in girl's Hostel & Girls common room which helps to proper disposal of sanitary napkins. We also organize the lecture of Gynecologist Dr. Bhavana Dighe Dr. Vikas Pachore Dr. Mrs. Wani under theme of “**Kali Umaltana**”, which includes Poster and PPT presentation too.

G. Yoga / Meditation:

Yoga for good health, on this base of this regular Yoga classes are conducted in Sports Department especially for girls Students under the guidance of Dr. Kamal Dhakane of Zoology department. Our sports faculty provides proper guidance and we are motivated to do the daily exercise of Yoga / Meditation in the college. The college Staff members and students are actively participating in **International Yoga Day Celebration.**



H. Awareness campaign for Society for vector born diseases like Polio, Dengue etc.:

Our college's NSS and NCC units regularly arrange street play and rallies for creating awareness among college student, Staff and society on Water and air borne diseases. Also done awareness campaigns for Aids with coordination with the help of health centre Sangamner.

I. Arranging Blood donation camps:

The NCC and NSS unit of College organizes blood donation camps in association with Arpan Blood Bank Sangamner.

Sr. No	Year	No. of Students Who Donated Blood	Total
1.	14 Feb. 2016	38	114
2.	16-17 Nov. 2017	47	
3.	14 Feb. 2018	29	



J. Bus passes for students:

Our college having the students from the rural area. Our college helps these students in getting the bus passes. The college provides bonafied certificate to the students. It has helps the students for getting S.T. Passes smoothly. Our staff members also use their vehicles by sharing to attend the college

K. Fire safety:

The college is very cautious about fire safety. We have about 12 fire extinguishers all across College Buildings. Fire extinguishers are fixed in the main building, library building, Auditorium, Canteen, and all laboratories of the college for safety purpose. The fire extinguishers using mechanism is also display near the instrument.

L. 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. The students are also trained for first aid and emergency treatment in various situations. First aid boxes are fixed in administrative office and indoor stadium & all laboratories are having first aid box of the college.

M. 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	02425 226076
1.	Hospital	02425 221265
2.	Police Station	100
3.	Dr. Tambe Hospital	09921599215
4.	Fire Brigade	101
5.	Ambulance	108,109

8. SOIL POLLUTION MANAGEMENT:

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

Our college has wormy compost plant in the campus. The garbage and leaf moulds are collected; it is sorted for plastic free and other non decomposing dust and filled in the vermibags provided by Municipal Corporation Sangamner. The compost is inoculated by strain of vermas. The vermicompst prepared is use to plants and potted plants in the 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 pump. It increases natural storage of water, and helps the college in getting water for various purposes. The college has constructed three large size storage tanks of 25000 Lit. Capacity each. (25000 X 3=75000 Lit) Total 22480 Sq. feet roof water is collected through this system.

Rain Water Harvesting: Structure and Utility:

➤ Introduction

As the scarcity of water is rapidly increasing everyday particularly during the summer season, the demand for water in the college campus also substantially increased. Therefore college has installed three rooftop rain water harvesting systems in the college campus.

➤ Design of proposed catchment area:

The catchment of water harvesting system is the rooftop that receives rainfall directly and drains the water system. The existing roof is made use to collect rainwater. Therefore the rooftop is swept and cleaned before the rainy season for collecting the water to its maximum purity.

From the design of the terrace floor, we calculated total rooftop area of our college.

System-1: Area of the rooftop of Building No.4 = 7800 Sq. ft.

System-2: Area of the rooftop of Building No.6 (Vigyan Bhavan) = 8840 Sq. ft.

System-3: Area of the rooftop of girls hostel = 5840 Sq. ft.

Total area of catchment for Water harvesting = 22840 Sq. ft.

➤ Design of transportation system:

For transporting the rain water from the catchment area in this project we have used Polyvinyl chloride (PVC) pipes and fittings. For the collection purpose, we are using pipes ranging 2.5 - 3 inches diameter. A care has been taken that the first spell of rain is flushed out and does not enter the system. This is done since the first spell of rain carries a relatively larger amount of pollutants from the air and catchment surface. The water is transferred to the special kind of filters which removes the leaves, dust, small twigs and other organic matter.

➤ Approximate amount of water percolated under the ground per year:

The average monsoon rainfall in the area is approximately 450 mm per year. From average rainfall and the total surface of rooftop catchment area for each system, we have calculated the amount of water percolated under the ground per year which is given as below.

❖ System-1= 2,60,964 litres of water.

❖ System-2= 2,95,760 litres of water.

❖ System-3= 1,95,390 litres of water.

Total water harvesting through the three system is 7,52,114 liters

C. Plastic free environment:

Our college is plastic free environment and also creating awareness amongst the students and staff members regarding the same by display boards and other programmes. The NSS unit of our college organize rally on Plastic Free Environment, collect the plastic waste from Pravara river.

9. OTHER SECTORS FOR ENVIRONMENT MANAGEMENT:

A. Waste control chemicals and e-waste:

We have mechanism to storage e-waste in the separate room; we have contact an agency in Poona for proper disposal of e-waste. In near future, we are about to construct effluent treatment plant (ETP), also using microanalysis methods and Eco-friendly methods.

WASTE TREATMENT AND DISPOSAL

Waste Streams

Our college is comes in the Sangamne Municipal Corporation area. The Corporation provides the facility of collecting the waste of the college campus. Before the collection the dry and wet waste is separated

Wet Waste

Waste especially from Canteen, such as vegetable refuses, food scraps etc. are called wet waste. Send them for composting using one of the methods such as aerobic or anaerobic methods.

Dry Waste

Waste especially from office, Xerox machines, Classrooms, which includes papers, cloths, used material by students.

B- Use of LED bulbs in college:

Principal's Office, Office of IQAC, Administrative Office, Library, Ladies Common Room, Auditorium halls, Computer Labs, Science Lab, Departmental Offices, and all classrooms have LED bulbs 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 :

F. Kitchen Waste Management (and Kitchen Sanitation)

Our college is comes in the Sangamne Municipal Corporation area. The Corporation provides the facility of collecting the waste of the college campus. Before the collection the dry and wet waste is separated .The main souses of kitchen wastes are college canteen and ladies hostel Mess.

Wet Waste

Waste especially from Canteen, such as vegetable refuses, food scraps etc. are called wet waste. Send them for composting using one of the methods such as aerobic or anaerobic methods.

Dry Waste

Waste especially from office, Xerox machines, Classrooms, which includes papers, cloths, used material by students.

- ❖ Visual inspection (e.g. checking waste receptacles have lids (where appropriate) and these are used/in place; bins are regularly emptied and are not overflowing; waste storage areas are clean; waste is stored appropriately, drainage grilles/covers for liquid waste are in place and not blocked with food waste or other debris etc.Cantene committee and hostel committee is look after the proper sanitation and waste management.

G. No uses of plastic in canteen :

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

H. Use of dust proof chalks:

All the classrooms and laboratories are provided with green Akosine boards with white dust free chalks for writing purpose.

I. Minimum use of Photocopy/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 warming stickers on each Photocopy/ Printing machine to use. The maximum working procedures are paperless. We take the already one sided Photocopy papers in use to avoid the maximum use of papers.



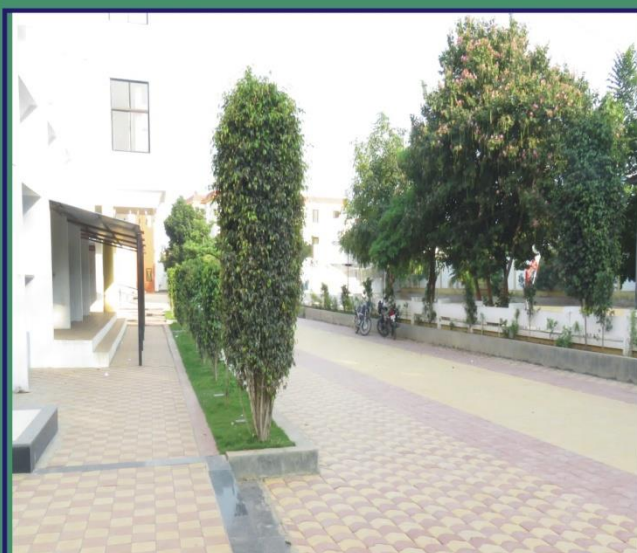
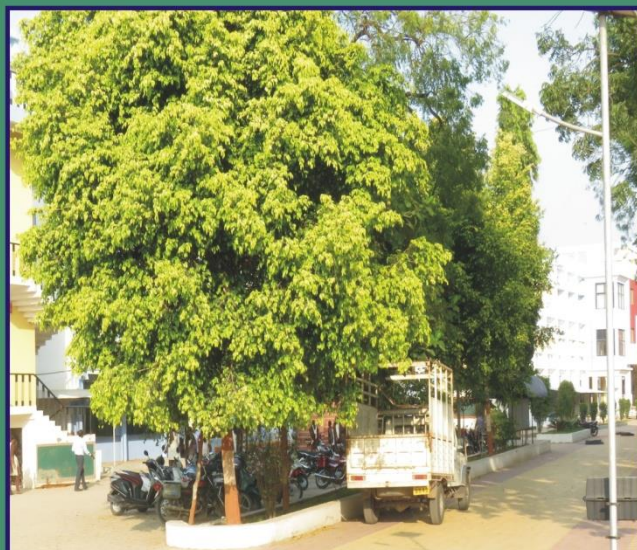
DANDAKARANYA ABHIYAN - A MASS MOVEMENT OF
TREE PLANTATION AND SEED SOWING



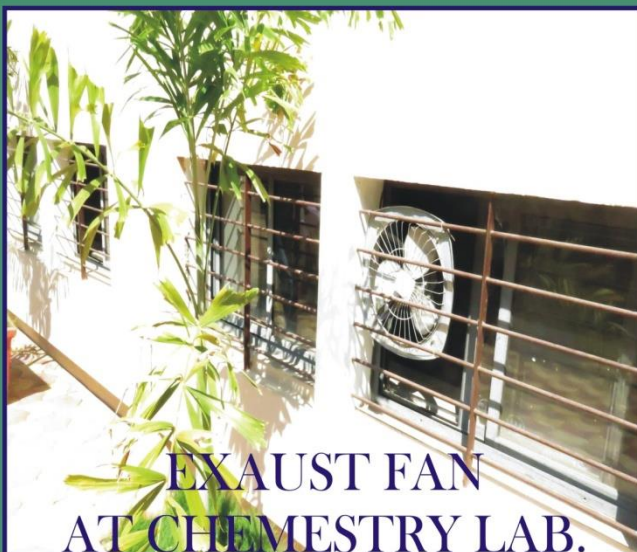
SOCIAL ACTIVITIES ORGANIZED BY NSS UNIT



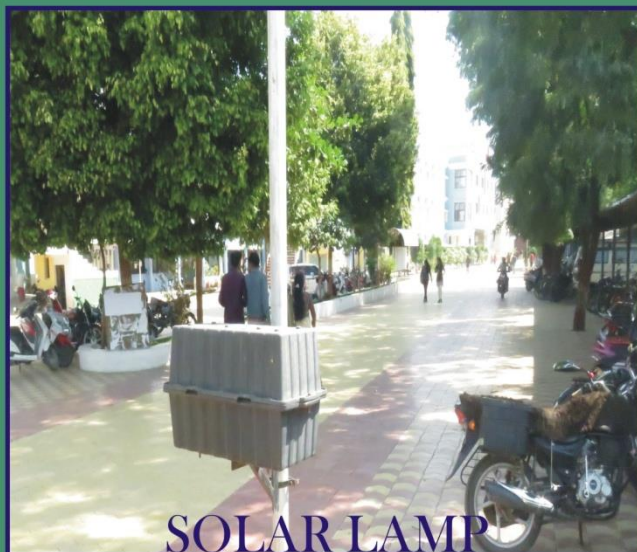
SOCIAL ACTIVITIES ORGANIZED BY NCC UNIT



GREEN AND BEAUTIFUL COLLEGE CAMPUS



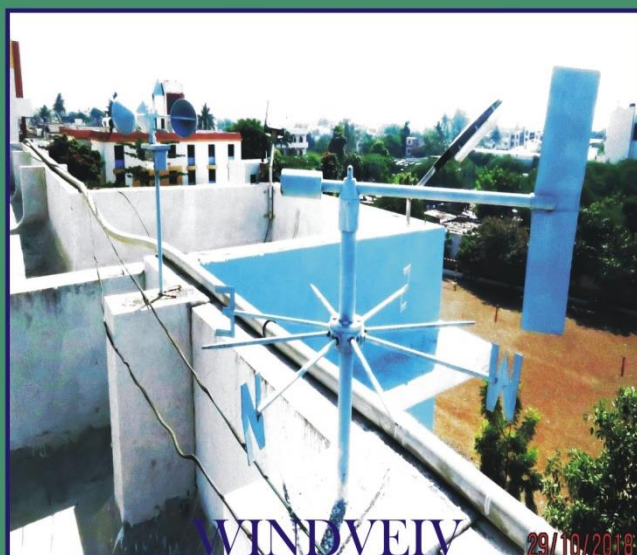
EXHAUST FAN
AT CHEMISTRY LAB.



SOLAR LAMP



SOLAR PANELS



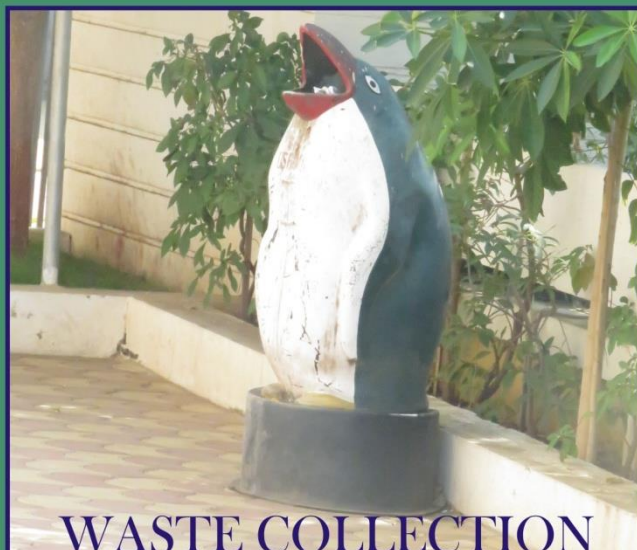
WINDVEIV

29/10/2018



29/10/2018

RO WATER PURIFIER



WASTE COLLECTION

GREEN AUDIT