

Bhadrawati Shikshan Sanstha, Bhadrawati's



# Nilkanthrao Shinde Science & Arts College

Bhadrawati, District: Chandrapur

## INTERNAL GREEN & ENVIRONMENT AUDIT REPORT 2021 - 2022



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PRINCIPAL  
N.S. Science & Arts College  
Bhadrawati, Dist-Chandrapur

Prepared by:

**Internal Green & Environment Audit Committee**

Nilkanthrao Shinde Science & Arts College, Bhadrawati

### About the college:

Bhadrawati Shikshan Sanstha, Bhadrawati a renowned education society, runs various Higher Education & Technical Institutes in Bhadrawati region. The Seed of Bhadrawati Shikshan Sanstha Bhadrawati was planted in 1971 at the hands of revolutionary politician, educationist, socialist and former MLA of the region Honorable Shri Nilkanthrao Yeshwantrao Shinde.

The first establishment of the institution rooted in the form of Nilkanthrao Shinde College Of Science & Art at Bhadrawati itself in 1993 with science undergraduate faculty which later on turned and grown into post graduate faculty for various disciplines. The institution have become pioneer in providing paradigmatic excellence & quality education intertwining tradition with scientific research work & new inventions. The institution has been catering to the need of middle & lower class by providing latest facilities & amenities to all. Institution has been continuously exploring inter place with the world around us through the different activities among the students.

To identify & nurture the talent of each & every students, institute organize various events, workshop, seminars, conferences, social & educational meets, sports & many more activities. These painstaking efforts were acknowledge by NAAC (National Assessment & Accreditation Council, Bangalore )peer team who appreciated the efforts of the institute for the development in the field of education & awarded "B" grade in the first cycle. The reaccreditation of NAAC took places in the year 2010 with B grade and CGPA 2.03. Recently in the March 2022 the NAAC reaccredited the institution as B++ Grade with CGPA 2.94.

Today the college offers wide range of courses in the stream of science, Arts, and computer science. Co-operation & Co-ordination of the Management, its members, Principal & Faculty members, teaching & non-teaching staff have contributed to the success of every undertaking venture. Nilkanthrao Shinde Science & Arts College is aware about its responsibility towards protecting environment and bio-diversity on the campus.



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### **Acknowledgement:**

Internal Green and Environment Audit Committee would like to thank the management of Bhadrawati Shikshan Santha Bhadrawati and Nilkanthrao Shinde Science and Arts College teaching & non-teaching staff, students, parents and adjoining community for extending their co-operation and valuable inputs in collection of information and facts about environmental management. Conduct in of Internal Green and Environment Audit is a significant step taken by the college which is a worth mentioning fact here. Internal Green and Environment Audit committee also wish to thank EFEC of Akolafor helping Internal Green and Environment audit Committee in organizing Workshop on "Understanding Environment Management System" and appreciate their co-operation for extending their knowledge throughout the proccess of Internal Green and Environment Audit program. Internal Green and Audit committee express gratitude toward valuable guidance & contribution made by various NGOs, and adjoining community for extending cooperation in preparation of this audit report. Our special thanks to the principle Dr. L. S. Ladke for giving valuable Guidance& co-operation throughout this audit process.



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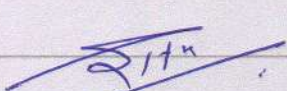
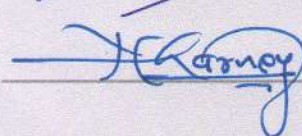

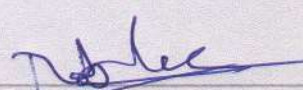
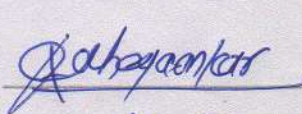


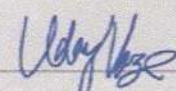
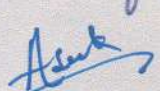
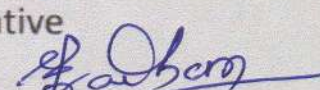
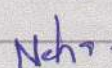

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Bhadrawati, Dist-Chandrapur

Bhadrawati Shikshan Sanstha's

**Nilkanthrao Shinde Science & Arts College**

Bhadrawati, District: Chandrapur

**IGEAC : Internal Green and Environment Audit Committee**

Sr. No.	Name	Designation	Sign
01	Dr. L. S. Ladke	Principal / Chairman	
02	Dr. S. R. Sitre	IQAC, Co-ordinator	
03	Dr. N.V. Harney	Member, IGEAC	
04	Dr. A. B. Dhote	Member, IGEAC	
05	Dr. N. S. Wadhve	Member, IGEAC	
06	Dr. A. D. Dahegaonkar	Member, IGEAC	
07	Dr. M. N. Qadri	Member, IGEAC	
08	Dr. V. N. Shinde	Member, IGEAC	
09	Mr. Uday Vaze	Member, EFEC	
10	Mr. Ajay Asutkar	Member, IGEAC	
		Non-teaching staff Representative	
11	Mr. S. S. Pradhan	Member, IGEAC	
12	Ms. Neha Prasad	Member, IGEAC	
		Student Representative	
13	Ms. Vibha Tated	Member, IGEAC	
		Student Representative	

The Internal Green & Environment Audit Committee authenticate, records, observations, and recommendations in this report.

### Compilation document:

Internal Green and environment audit is a process of systematic identification, quantification, recording, reporting and analysis of component of environmental factors of various establishment. It aims to analyze environmental practices with in and outside of the concerned sites, which will have an impact on the ambience. Thus it is imperative that the collage evaluate its own contributions toward a sustainable future for conservation of environment.

As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent. Internal green and environmental audit is assign to the criteria 7 of national assessment and accreditation council [NAAC]. The internal green and environmental audit community was form with this aspect in new. The community decide to conduct Internal Green and Environmental Audit of the college, the motive of internal audit was to make sure that the practices followed in the campus are environment friendly.

Internal Green and Environmental Audit is a systematic assessment of day to day activity with the special focus on how resources are utilized with minimum impact on environment. The questionnaire was obtain with the help of external member of the Internal Green and Environment Audit Committee. It was observed and evidence were brought together what degree to which the departments are in compliance with the applicable regulations, policies and standard and to ensure that the development of the college aims at sustainable development and at the same time keeping the college campus green and pollution free. The methodology was simple and started right from collecting data, in-site inspection, evaluation, conducting physical survey and review of the relevant documentation.



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**Statement of assurance:**

The Internal Green & Environment Audit Committee has adopted the Audit procedure that meets the terms of International Standards of Internal Auditing Practices. The committee feel certain that adequate and relevant audit procedures were followed, concrete evidences were gathered and conclusion were drawn from facts. The Internal Green and Environment Audit Committee believe that recommendations are for improving the effectiveness of environmental management efforts made by the college. The Internal Green and Environment Audit Committee decided that changes or additions in management practices should be systematic, must be done through series of small steps and every concerned individual must be well informed about changes and additions made in management practices. Recommendations are based on a evidence compiled in this report as they existed at the time of the audit.

**Summary:**

It was evident from the data collected in several visits to Nilkanthrao Shinde Science and Arts College, Bhadrawati, that the teaching & Non teaching staff, students of the college are aware about the importance of efforts to save and protect environment in the campus. The college staff follow best course of action such as plantation, follow composting practices, follow ways and means to reduce energy consumption, conduct review meetings, organize environmental educational activities for staff as well as for students. Although, it was also observed that, many of the practices followed by the college are in nascent stage and needs further action to improvise environment management system.



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**Contents**

Sr. No.	Title / topics	Page No.
01	About the college	I
02	Acknowledgment	II
03	Internal Green & Environment Audit Committee	III
04	Compilation Document	IV
05	Statement of Assurance	V
06	Summery	V
07	Introduction	01
08	Internal Green Audit	01
09	Internal Environment Audit	02
10	Scope / Objective / Methodology	02
11	Environment Policy	03
12	Location / Land use and land cover	04
13	Audit Questionnaire & Audit Forms	04
14	Water Quality	04
15	Installations	05
16	Bio-diversity in campus	05
17	Flora & Fauna	05
18	Green initiatives	05
19	Recommendations	05
20	Post Internal Green and Environment Audit Commitments	05
21	Internal Green & Environment Audit Document Storage	05
22	Bio-diversity in college campus: Flora	06
23	Bio-diversity in college campus Fauna: Birds	08
24	Green Initiatives by the college	09
25	Photographs depicting various activities: Slogan & Soak-pit	10
26	No Vehicle Day	11
27	Tree Plantation	12
28	Restricted entry of automobiles to reduce pollution	13
29	Use of bicycles	14
30	Slogan & Landscaping	15
31	Save Electricity Sign Stickers	16
32	Rain Water Harvesting	17
33	Saving our planet	19



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Bhadrawati, Dist-Chandrapur

### Introduction:

The expeditious urbanization and economic development at local, national and international level has led to several environmental and ecological emergencies. To prevent damages due to site specific activities, practices, processes and procedures followed by various institutions, businesses, organizations or factories, it becomes essential to adopt methods, process and procedures for making, green campus for the institutions, businesses, organizations or factories which will lead for sustainable development.

Nilkanthrao Shinde Science and Arts College, Bhadrawati made it clear from its environmental policy that it's a priority area to conserve environment and promote environmental education & awareness in academia and every possible way to keep campus green. The purpose of conducting the Internal Green and Environmental Audit is to understand and make continuous efforts to reduce adverse impact on environment.

The college seeks advice from consultants and resources person in Green Audit & Environmental Audit was designed with the help of consultants and NGO's with the teaching staff of the college. It includes draft of questionnaire, in-situ site inspection in the campus, scrutinize and evaluate documentation, monitor procedures, practices and processes carefully.

The formation of Internal Green and Environment Audit Committee with involvement of external subject specialist has made report valuable and authentic. The Internal Green and Environment Audit Committee has made valuable recommendations.

The committee proposed remedial procedures to reduce the carbon foot print of the college. It works for the betterment of environment in the college campus including air, water, noise, soil quality, waste management, care for flora and fauna in campus, promoting paperless working etc.

**Internal green audit:** Internal Green Audit is a process of systematic verification of activities, identification of adverse impacts, evaluation of systems, documentation process, reporting and analysis of environmental diversity of various institutions, business, organizations or factories. It aims to analyze environmental practices and processes within and outside of the targeted institution, business, organization which will have an impact on the ecologically friendly environmentally safe-ambience.

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**Internal Environment Audit:**

An Internal Environment Audit proposed by Nilkanthrao Shinde Science & Arts College is an assessment performed to ensure that institutions, businesses, organizations or factories are complying with environmental regulations policies. It examines the amount of adverse impact on environment or risk of injury that may be posed by the assessed entity and determines the types of pollution being produced by looking at a broad range of site specific activities, practices, processes and procedures. The information compiled from these factors to determine what remedial procedures are required to be added for better good.

**Scope:**


Internal Green and Environment Audit proposed by Nilkanthrao Shinde Science & Arts College play a significant role in continuing operation of institutions, businesses, organizations or factories. It keeps institutions accountable by scrutinizing their site specific procedures and determining what remedial measures are required to be added or put in place to ensure institutions, businesses, organizations or factories are following the proper statute.

**Objective:**

The key objectives of an Internal Environment Audit proposed by Nilkanthrao Shinde Science & Arts College therefore are to: determine how well the environmental management systems and equipment are performing, verify compliance with the relevant national, local or other laws and regulations, minimize human exposure to risks from environmental, health and safety problems.

**Methodology:**

Internal Green & Environment Audit Committee by Nilkanthrao Shinde Science & Arts College was formed. In the first meeting of Internal Green and Environment Audit Committee an open discussion was made on how to conduct Internal Green & Environment Audit. The committee came to a conclusion that external party will look into overall infrastructure, procedures, practices and operation of the collage and will draft detail questionnaire. Questionnaires provide a relatively rapid and efficient way of obtaining large amounts of information from a large number of people. Answers obtained from open-ended questionnaire are analyzed using qualitative methods and they involve discussions and critical analysis without any difficulty. This was useful because the information lead to concrete conclusions. The methodology also included a physical inspection of the campus, observation, and review of the documentation, interviewing key persons and data analysis, measurements, and suggesting recommendations.

  
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The efforts were taken to understand following focus areas and emphasis was given to know facts on the ground :

Overall area inspection to find out efforts taken by the Nilkanthrao Shinde Science & Arts College to promote greenery in campus.

Management & performance of water distribution and its conservation by Nilkanthrao Shinde Science & Arts College, be it a municipal supply or the water collected by rain water harvesting.

Drinking water and water consumption for other purposes such as construction, gardening etc and its management.

Use of electricity and other types of energy uses and management related to it.

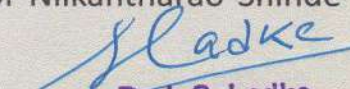
Initiatives, projects and activities taken for conservation of flora, fauna and the measures taken to improve environment management systems in the college campus.

#### **Environment policy:**

Nilkanthrao Shinde Science & Arts College, Bhadrawati is a leading college in the Chandrapur district and is well aware about it's responsibilities towards environment. It protects its own environment and efforts are taken to keep it free from pollution. Environment protection, conservation and education are key areas that are prioritized in academia of the college. The management, teaching & non teaching staff, students and community members of the college look after the environment carefully.

Important focus areas are:

- i.To create awareness regarding environmental policy of the Nilkanthrao Shinde Science & Arts College to management, teaching & non teaching staff, students and community members.
- ii.To keep college campus of Nilkanthrao Shinde Science & Arts College free from pollution by avoiding open fire, managing garbage, prohibition of consumption of tobacco in the campus. Caution poster in regard to health, hygiene and environment protection are displayed in the campus.
- iii. Segregate bio-degradable & non bio-degradable waste. Create composting facility for bio-degradable waste.
- iv.To provide safe drinking water to students and staff.
- v.To install and maintain 'Rain Water Harvesting' in the campus.
- vi.To place the dustbins and promote hygienic condition in the college campus.
- vii.To organize various activities with the help of NGOs and government agencies.
- viii.To evaluate the environmental performance of the college by conducting Internal Green and Environment Audit of Nilkanthrao Shinde Science & Arts College annually.



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**Location of the college:**

Nilkanthrao Shinde Science & Arts College is situated in Bhadrawati town of Chandrapur district.

Latitude: 20° 6'29.62"N

Longitude: 9° 6'54.40"E

**Land use and land cover:**

Total area of the college campus: Approx 50,000 Sq Ft

Area reserved for green cover: 1,000 Sq Ft Approx

**Population:**

Students : 735    Teaching Staff: 19    Non Teaching Staff: 10

**Audit questionnaire and audit forms:**

Internal Green and Environment Audit Committee was given a questionnaire. The committee was well supported by teaching and non-teaching staff of the college to collect the data. The evidences were collected by referring questionnaire and field visits to the college.

**Water quality:**

Access to safe drinking-water is essential to health, a basic human right and a component of effective policy for health protection. Water is essential to sustain life, and a satisfactory (adequate, safe and accessible) supply must be available to all. Improving access to safe drinking-water can result in tangible benefits to health.



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### **Installations:**

The installation of solar panels, compost pits and rainwater harvesting system are the initiatives taken by Nilkanthrao Shinde Science & Arts College.

### **Bio diversity in campus:**

Nilkanthrao Shinde Science & Arts College has planted several trees in the campus and these trees became saviors of bio-diversity present on the campus.

### **Flora and fauna:**

The green cover on the campus helps in creating favorable condition for many living organisms such as butterflies and other friendly insects such as lady bird beetles, spiders, birds and mammals.

### **Green initiatives:**

Nilkanthrao Shinde Science & Arts College is aware about importance of educating students about environment and special efforts are taken by Environment Committee in initiating activities that reduces its adverse impacts on environment. Initiative such as tree plantations, de-weeding program, rain water harvesting, no vehicle day, installation of solar panels, plastic waste free campus, regular maintenance of electrical gadgets, awareness training workshops, paperless exams are organized by the college.

### **Recommendations:**

Recommendations are given by Internal Green & Environment Audit Committee. The recommendations made by the committee will give insight to the administrative authority to improve the environment and will make positive impact on environment performance of the college.

### **Awards & recognition received by the college:**

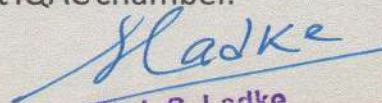
Nilkanthrao Shinde Science & Arts College has received many awards and recognition over the last few years.

### **Post Internal Green & Environment Audit commitments:**

Review meeting was organized to discuss about recommendations made by committee after the Internal Green & Environment Audit process was completed.

### **Internal Green & Environment Audit document storage:**

Documents related to Internal Audit are stored at IQAC chamber.

  
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**Bio-diversity in campus: Flora**

Nilkanthrao Shinde Science & Arts College is well aware about benefits of trees for other living organisms. Trees act as carbon sinks and offset carbon from the environment. Wide variety of floral species can be seen thriving in the college campus and variety of life forms such as birds, mammals, butterflies can be seen at all periods of the day. Exhaustive list of species found in botanical garden on the campus are presented in following table.

Sr.No.	Botanical Name of Plant	Vernacular name of Plant	Family
1.	<i>Ocimum tenuifolium</i>	Tulsi	Lamiaceae
2.	<i>Bryophyllum Sp.</i>	Panphuti	Bryophyllaceae
3.	<i>Citrus reticulata</i>	Santra	Rutaceae
4.	<i>Aloe vera</i>	Korphad	Asphodelaceae
5.	<i>Mangifera indica</i>	Amba	Anacardiaceae
6.	<i>Psidium guajava</i>	Peru	Myrtaceae
7.	<i>Emblica officinalis</i>	Amla	Euphorbiaceae
8.	<i>Rheo discolor</i>	-	Commelinaceae
9.	<i>Carica papaya</i>	Papai	Caricaceae
10.	<i>Euphorbia pulcherima</i>	Wild Klotz	Euphorbiaceae
11.	<i>Azadirachta indica</i>	Kadunimb	Meliaceae
12.	<i>Murraya exotica</i>	Madhumalti	Rutaceae
13.	<i>Citrus indica</i>	Nimbu	Rutaceae
14.	<i>Zizyphus jujuba</i>	Bor	Rhamnaceae
15.	<i>Lantana camara</i>	Bhutganja	Verbanaceae
16.	<i>Euphorbia tithymaloides</i>	-	Euphorbiaceae
17.	<i>Cycas sp.</i>	Cycas	Cycadaceae
18.	<i>Opuntia</i>	Nagphana	Opuntiaceae
19.	<i>Canna indica</i>	Kardali	Cannaceae
20.	<i>Michelia champaca</i>	Chafa	Magnoliaceae
21.	<i>Tabernaemontana divaricata</i>	Swastik	Apocynaceae
22.	<i>Hibiscus rosa-sinensis</i>	Jaswand	Malvaceae
23.	<i>Ixora sp.</i>	Ixora	Rubiaceae
24.	<i>Vinca rosea</i>	Sadaphuli	Apocyanaceae
25.	<i>Pongamia pinnata</i>	Karanji	Fabaceae
26.	<i>Annona squamosa</i>	Sitaphal	Annonaceae
27.	<i>Callistemon citrinus</i>	Bottle brush	Myrtaceae
28.	<i>Coriandrum sativum</i>	Kothimbir	Umbelliferae
29.	<i>Rauwolfia serpentina</i>	Sarpagandha	Apocynaceae
30.	<i>Rosa indica</i>	Rose	Rosaceae
31.	<i>Adhatoda vesica</i>	Adulsa	Acanthaceae
32.	<i>Tradescantia sp.</i>	-	Commelinaceae
33.	<i>Euphorbia sps.</i>	-	Euphorbiaceae
34.	<i>Acalypha sp.</i>	-	Euphorbiaceae
35.	<i>Asparagus aspera</i>	Shatavari	Asparagaceae

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36.	<i>Thuja arvensis</i>	Vidya	Conifereceae
37.	<i>Dracaena sp.</i>	Dracena	Asparagaceae
38.	Fin Palm	-	Palmaceae
39.	<i>Cymbopogon citratus</i>	Lemongrass	Poaceae
40.	<i>Carrisa carandus</i>	Karwand	Apocynaceae
41.	<i>Jasminum multiflorum</i>	Kunda	Oleaceae
42.	<i>Allium sativum</i>	Lahsun	Liliaceae
43.	<i>Allium cepa</i>	Onion	Liliaceae
44.	<i>Tagetes erecta</i>	Marigold	Asteraceae
45.	<i>Calotropis procera</i>	Rui	Asclepiadeceae
46.	<i>Adenium</i>	-	Apocynaceae
47.	<i>Prunum amyldgus</i>	Badam	Rosaceae
48.	<i>Lantana indica</i>	Bhutganja	Verbenaceae
49.	<i>Agave americana</i>	American aloe	Agavaceae
50.	<i>Euphorbia mili</i>	-	Euphorbiaceae
51.	<i>Artocarpus heterophyllus</i>	fanas	Moraceae
52.	<i>Musa indica</i>	Banana	Musaceae
53.	<i>Alstonia scholaris</i>	Saptaparni	Apocynaceae
54.	<i>Delanix egia</i>	Gulmohar	Fabaceae
55.	Archae Palm	Archi palm	Palmaceae
56.	<i>Jasminum sambac</i>	Mogra	Oleaceae
57.	<i>Polyalthia longifolia</i>	Ashoka	Annonaceae
58.	<i>Saraka indica</i>	Sita ashok	Annonaceae
59.	<i>Cassia fistula</i>	Amaltas	Fabaceae
60.	<i>Roystonia regia</i>	Royal Palm	Arecaceae
61.	<i>Cynodon dactylon</i>	Durva	Poaceae
62.	<i>Cocos nucifera</i>	Naral	Arecaceae
63.	<i>Manilkara zapota</i>	Chiku	Sapotaceae
64.	<i>Aristolochia</i>	-	Aristolochiaceae
65.	<i>Bauhinia Purpurea</i>	Aapte	fabaceae
66.	<i>Nerium indicum</i>	Kanher	Apocynaceae
67.	<i>Sygygium cumini</i>	Godnimb	Myrtaceae
68.	<i>Mirabilis jalpa</i>	Four 'O' clock plant	Nyctaginaceae
69.	Bougainvillea	-	Nyctaginaceae
70.	<i>Impatiens balsamina</i>	Chiwdi	Balsaminaceae
71.	<i>Mentha piperita</i>	Pudina	Lamiaceae
72.	<i>Mimosa pudica</i>	Touch me not (Lajalu)	Fabaceae
73.	<i>Araucaria araukana</i>	Christmas tree (Monkey Puzzle)	Araucariaceae
74.	<i>Tridax procumbens</i>	Kambarmodi	Asteraceae
75.	<i>Rosa indica</i>	Gulab	Rosaceae
76.	<i>Salvinia Sp.</i>	-	Salviniaceae
77.	<i>Pistia sp.</i>	-	Pistiaceae

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78.	<u>Nelumbo nucifera</u>	<u>Lotus</u>	<u>Nelumbonaceae</u>
79.	<u>Trapa natans</u>	<u>Shingada ( Water Chestnut)</u>	<u>Trapaceae</u>
80.	<u>Lemna</u>	-	<u>Lemnaceae</u>
81.	<u>Ocimum basilicum</u>	<u>Sabia</u>	<u>Lamiaceae</u>
82.	<u>Ficus religiosa</u>	<u>Peepal</u>	<u>Moraceae</u>
83.	<u>Ficus racemosa</u>	<u>Umber</u>	<u>Moraceae</u>

### List of birds seen at various places in the campus:

English Name	Scientific Name	Marathi Name
Lesser Coucal	<i>Centropus bengalensis</i>	भारद्वाज
Alexandrine Parakeet	<i>Psittacula eupatria</i>	करण पोपट
Rose Ringed Parakeet	<i>Psittacula krameri</i>	लाल मान्या पोपट
Blue Rock Pigeon	<i>Columba livia</i>	राखी कबुतर
White Breasted Waterhen	<i>Amaurornis phoenicurus</i>	लाजरी पाणकोंबडी
House Crow	<i>Corvus splendens</i>	कावळा
Grey Shouldered Kite	<i>Elanus axillaris</i>	कपाशी
House Sparrow	<i>Passer domesticus</i>	भारतीय चिमणी
Purple Sunbird	<i>Cinnyris asiaticus</i>	शिंजीर
Coppersmith Barbet	<i>Megalaima haemacephala</i>	तांबट
Indian Roller	<i>Coracias benghalensis</i>	चाष
Little Green Bee Eater	<i>Merops orientalis</i>	वेडा राघू
Black Drongo	<i>Dicrurus macrocercus</i>	कोतवाल
Asian Koel	<i>Eudynamys scolopaceus</i>	भारतीय कोकीळ
Yellow Legged Green Pigeon	<i>Treron phoenicoptera</i>	हरीयल
Barn Owl	<i>Tyto alba</i>	पिंजरा घुबड
Shikra	<i>Accipiter badius</i>	शिक्रा
Common Iora	<i>Aegithina tiphia</i>	सुभग
Purple Sunbird	<i>Cinnyris asiaticus</i>	शिंजीर
House Sparrow	<i>Passer domesticus</i>	गावचिमणी
Golden Oriole	<i>Turdoides striatus</i>	हळद्या
Red Munia	<i>Amandava amandava</i>	लाल मुनिया
Yellow Footed Green Pigeon	<i>Treron phoenicoptera</i>	हरीयल
Black Drongo	<i>Dicrurus macrocercus</i>	कोतवाल
Jungle babbler	<i>Turdoides striatus</i>	सातभाई
Indian Roller	<i>Coracias benghalensis</i>	नीलकंठ

*Ladke*

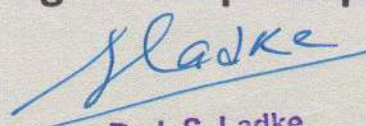
**Green initiatives by the college:**

College students are involved in many initiatives and activities by NSS unit. NSS unit of Nilkanthrao Shinde Science and Arts College is an active unit and organize many events in regard to protect the environment and keep campus clean and green. Eating, chewing and sitting tobacco in Nilkanthrao Shinde Science and Arts College campus is prohibited. The campus of Nilkanthrao Shinde Science and Arts College made 'a single use disposable plastic free zone'. A rally was organized to sensitize community in and around about avoid use of single use disposable plastic. It was long distance rally with over 100 students involved and marched on the main road adjacent to college campus. The waste water is collected and harvested properly. The rain water is harvested and collected in pit as storage and for recharging it. To sensitize community about pollution due to petrol and diesel vehicles Nilkanthrao Shinde Science and Arts College took initiative to make one day in week as NO VEHICLE DAY. It is observed on every Friday and is a popular initiative by Nilkanthrao Shinde Science and arts College. No horns please signs are put outside campus on road adjacent to the campus of Nilkanthrao Shinde Science and Arts College. To maintain greenery in the college campus the **BOTNICAL GARDEN** is well maintained and every year medicinal herbs and shrubs are planted and nurtured. The special care has been taken to keep it clean. The students of Nilkanthrao Shinde Science and Arts college are allowed to study in garden as and when required in the college. There is an exhaustive list of trees, shrubs, herbs and climber planted and nurtured in college garden. A vermin compost pit is installed at Botanical Garden in Nilkanthrao Shinde Science and Arts College to make manure from waste and garbage.

Initiatives taken recently:

**Green campus initiatives.**

- **Tree Plantation.**
- **Restricted entry of automobiles.**
- **Use of Bicycles/ Battery powered vehicles.**
- **Pedestrian Friendly pathways.**
- **Ban on use of Single Use Plastic.**
- **Landscaping with plantations of herbs, shrubs and trees.**
- **No Vehicle Day.**
- **Slogan for spreading message to keep campus green.**



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Bhadrawati, Dist-Chandrapur





ACTIVITIES - Slogan In Campus



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Soak Pit Construction in Campus – For Water Percolation in Groundwater

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Shot on 510 lite

No Vehicle Day

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College nurtures Botanical Garden



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Initiative to plant and nurture green cover in every nook and corner on the campus.



Restricted entry of automobiles to reduce pollution.

*Shadke*

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Bhadrawati, Dist-Chandrapur



Latitude: 20.108526  
Longitude: 79.115179  
Elevation: 216.65m  
Accuracy: 14.9m  
Time: 23-12-2020 13:59  
Note: bicycle stand.

Use of bicycles



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Pedestrian friendly pathways in garden



Slogan On Ban of Plastic on 1st Floor



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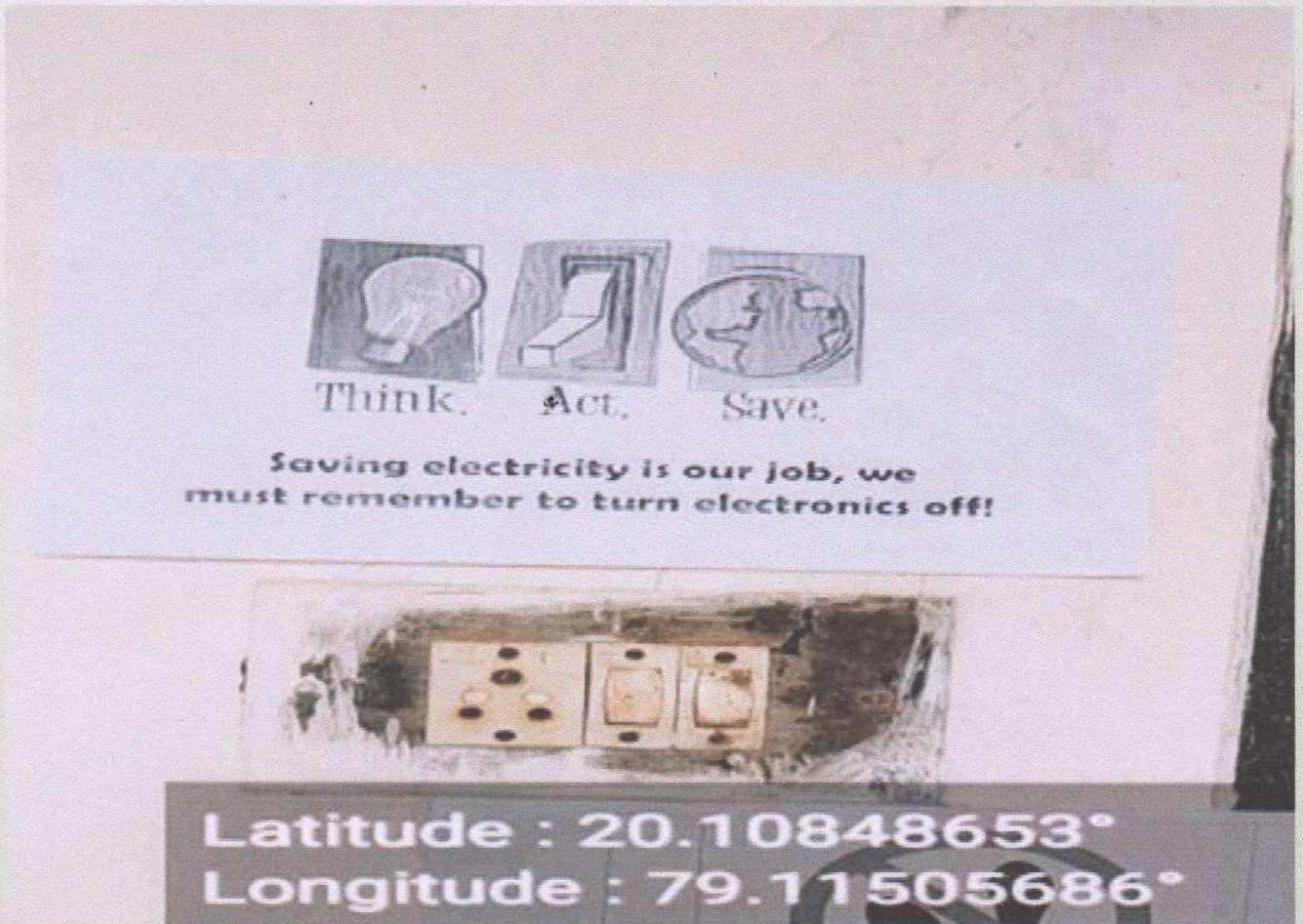
Latitude : 20.10856877°  
 Longitude : 79.11508231°  
 Altitude : 141.73383 meters

Landscaping



Latitude : 20.10850176°  
 Longitude : 79.11500716°  
 Altitude : 149.54517 meters

Slogan on water conservation

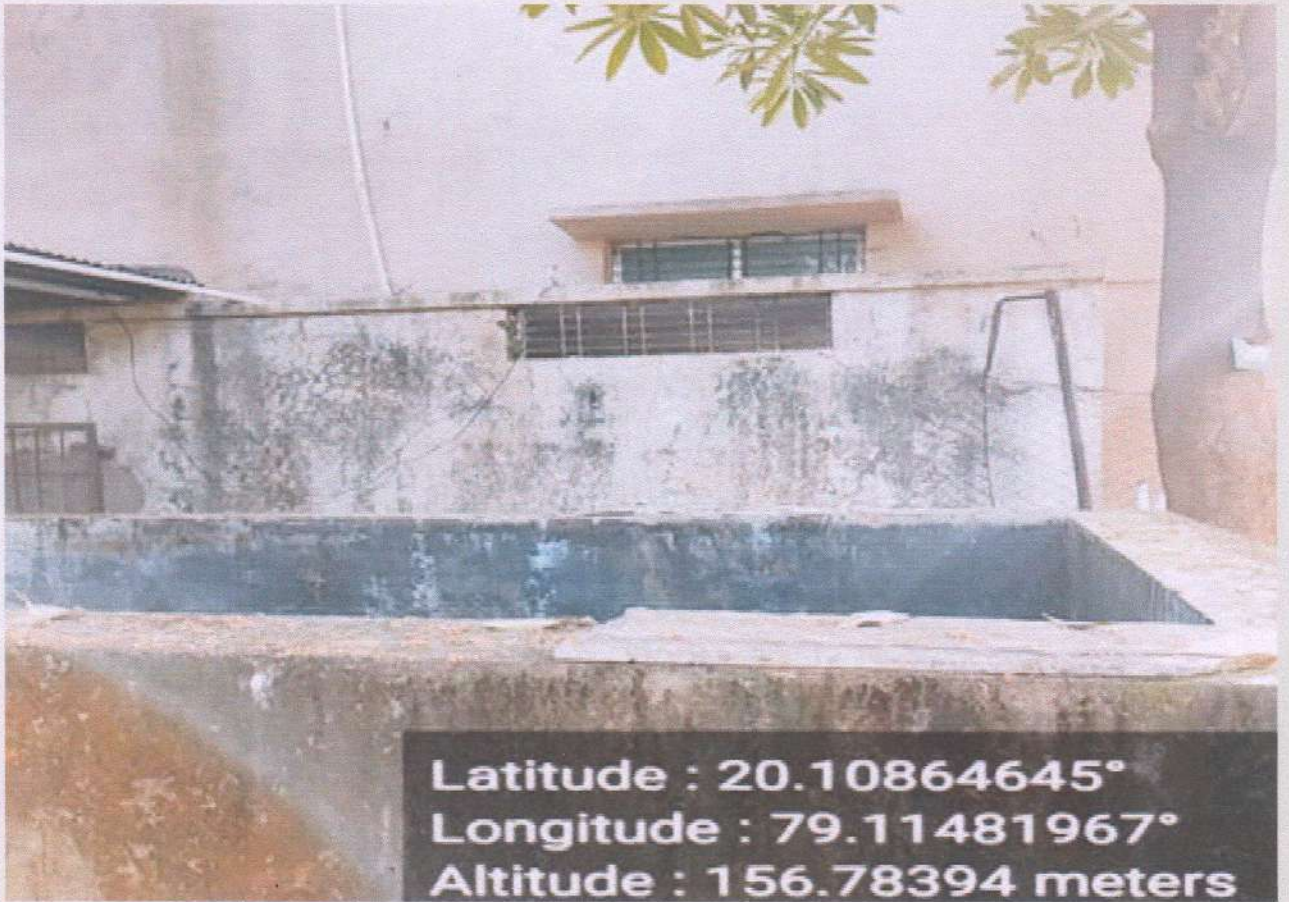


Latitude : 20.10848653°  
 Longitude : 79.11505686°

Slogan On Save Electricity on Ground Floor

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Latitude : 20.10864645°  
Longitude : 79.11481967°  
Altitude : 156.78394 meters

Tank for rain water harvesting



Latitude: 20.108739  
Longitude: 79.114902  
Elevation: 208.22m  
Accuracy: 3.2m

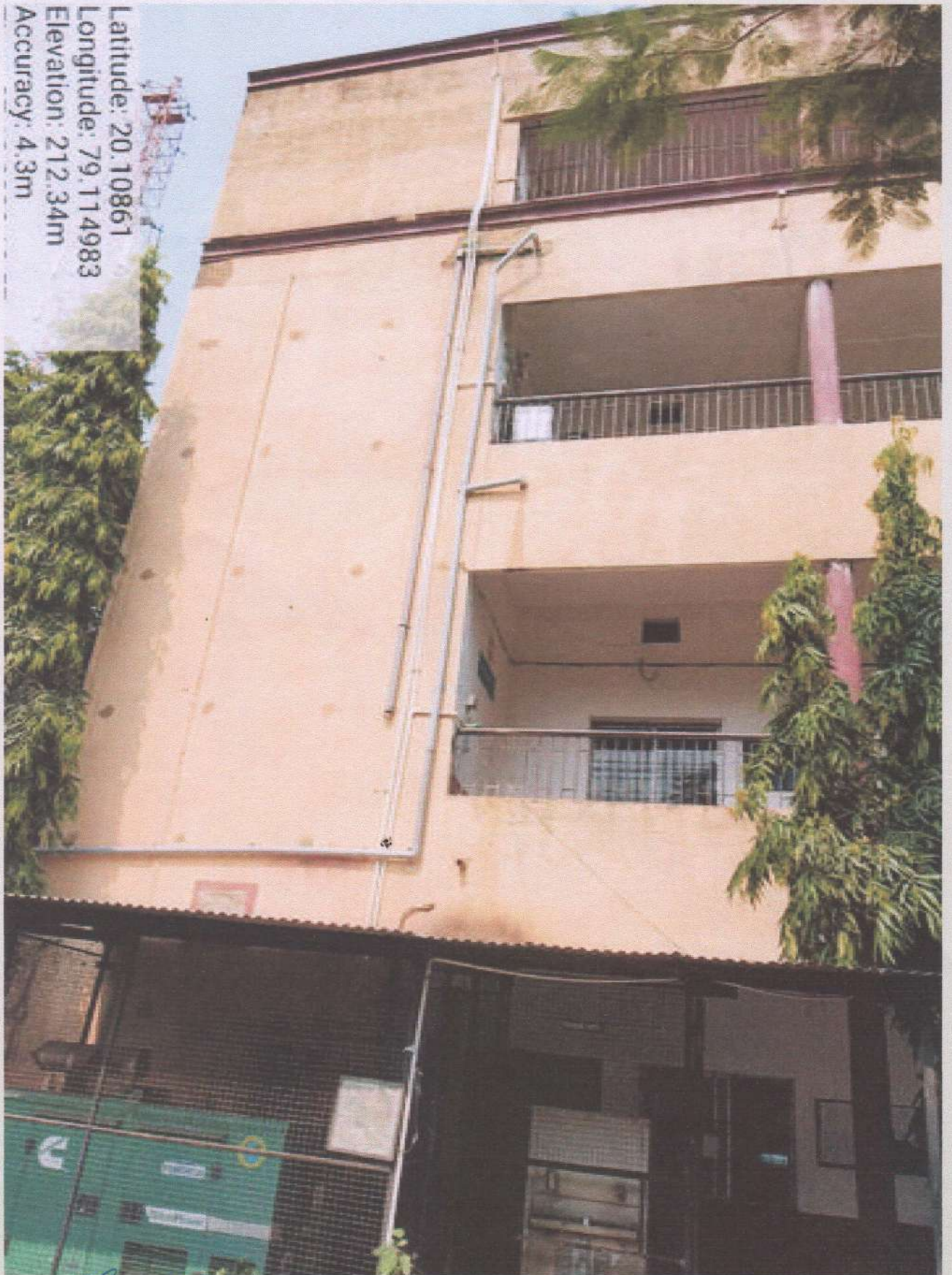
*Ladke*

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Latitude: 20.10861  
Longitude: 79.114983  
Elevation: 212.34m  
Accuracy: 4.3m



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Tank for rain water harvesting

Earth is the only livable planet in our solar system.  
Ours' increased population is a threat to life on the Earth.  
Industrialisation and urbanisation for meeting our needs  
Causing deforestation and killer environment on the Earth.

Forests provide the food chain and life giving oxygen.  
Ours all evolution was possible because of the forests.  
Nature, environment, climate, weather and atmosphere  
By and large remain in balance because of the forests.

Wildlife depletes, rainfall drops and the deserts spread  
And climate warms with reckless cutting of the forests.  
Forests are for everyone's need and not for the greed.  
For saving life and future on the Earth, save the forests.

Real creatures of nature are animals, birds and insects.  
If they are here on the Earth, we are here on the Earth.  
For maintaining ecological balance for supporting life  
Save the wildlife and their natural habitat on the Earth.

Control burning of fossil fuels for reducing air pollution.  
Stress upon solar, wind and renewable sources of energy.  
Otherwise Ozone layer of the Earth will go on depleting.  
And life will be doomed with ultraviolet rays allergy.

Control sea, marine and underground dumping of waste  
To preserve fresh drinkable water reserves on the Earth.  
Control excessive use of fertilizer sand other chemicals  
Avert poison in food chains for saving life on the Earth.

The time bomb is ticking; defuse it before it's too late.  
Don't destroy the very foundation of life on the Earth.  
Let us take initiative to conserve and preserve our nature.  
Save life to have ours' future generations on the Earth.

*Gurtej Singh Aulakh*

*Thank You*

Prepared by:

**Internal Green & Environment Audit Committee**  
Nilkanthrao Shinde Science and Arts College  
Bhadrawati, District Chandrapur

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