



DNYANDEEP COLLEGE OF SCIENCE & COMMERCE

At./Post. Morvande - Boraj, Tal. Khed, Dist. Ratnagiri, Pin. - 415 709.

NAAC Accredited 'B' Grade

Tel. : 02356 299330

ISO 9001 : 2015 Certified

Permanently Unaided College

Affiliated to Mumbai University Vide Aff./Recog - 1/2960 of 2009 dt. 9/6/09

Outward No. :

Date : / / 20

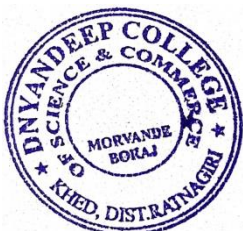
Objectives:

The main objectives of the green campus initiatives are:

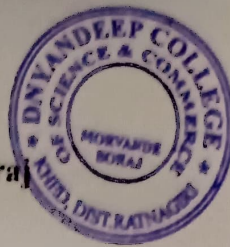
1. To give Importance for efficient water usage in the campus and recycle the waste water.
2. To provide healthy environment in the campus.
3. To maintain the ecology and green cover of the campus.
4. To develop the awareness and capacity building for sustainable living

Following are the major Green Campus Initiatives:

1. Metering of water consumption at various activities like gardening cleanliness, hygiene, domestic usage, etc.
2. Rain Water Harvesting To develop storage structures and redirecting the rain water in the main stream.
3. To set up a cleaning routine of all overhead tanks and water bodies.
4. To maintain sanitation and hygiene in toilets, bathrooms, kitchens, cafeterias, water coolers, water fountains.
5. To conduct the water audit to understand the quantities and quality of water usage in the campus once in a year.
6. To promote on-campus composting of waste to avoid waste disposal.
7. To have proper solid waste management system by practicing recycle of solid waste
8. To avoid usage of plastic.
9. To restrict vehicles in the campus and park them at designated area.
10. To have energy and environment audits regularly.
11. To identify and document the number of species and their habitats around the campus
12. To preserve habitat by protecting flora and fauna around the campus
13. To conduct periodic tree maintenance and plantation drives
14. Conducting awareness workshops on waste management, water management, recycling, ecology, etc. in the campus.



Principal
Dnyandeep College
Of Science & Commerce
A/p.Morvande-Boraj (Khed)



Dnyandeep Shikshan Prasarak Mandal, Khed(Ratnagiri)'s
Dnyandeep College of Science and Commerce, Morvande- Boraj

Action Plan(Year 2017-2022)

Quality audits on environment and energy regularly undertaken by the Institution.

The institutional environment and energy initiatives are confirmed through the following

Clean and green campus initiatives

Beyond the campus environmental promotion activities

Year	Event/Day name	Date	Department
2017-18	Gram Swachchata Abhiyan	28-Sep-17	NSS Department
	Mahatama Gandhi & Lal bahadurshatri Birth anniversary (Campus Cleaning)	02-Oct-17	NSS Department
2018-19	Tree Plantation in Boraj	01-Jul-18	NSS Department
	Swachhata hi Seva	08-Aug-18	NSS Department
	Anti-Plastic Campaign	08-Sep-18	NSS Department
	Gram Swachchata Abhiyan	24-Sep-18	NSS Department
	Concstruction of Vanrai Bandhara	15-Oct-18	NSS Department
2019-20	Tree Plantation in Boraj	07-Jul-19	NSS Department
	College Campus Cleaning Activity	28-Aug-19	NSS Department
2020-21	Artificial Flower Making Workshop	05-Mar-21	WDC Department
2021-22	Rakshabandhan Day (Eco Friendly Rakhi Making Competition)	22-Aug-21	Cultural Department

Principal
Dnyandeep College
Of Science & Commerce
A/p.Morvande-Boraj (Khed)

DNYANDEEP SHIKSHAN PRASARAK MANDAL'S
DNYANDEEP COLLEGE OF SCIENCE & COMMERCE
Morvande - Boraj

Gram Swachchata Abhiyan

Date: 28th September, 2017

Objective : To clean the area around Gram Panchayat and temple.

Brief Summary of Report:

The NSS unit had organized Gram Swachchata Abhiyan on dated 27th September, 2018 to clean the area around Gram Panchayat and temple under the guidance of Mr. Mahesh Patil (PO of NSS Unit of Dnyandeep College). This activity had required almost 4 hours to complete it.

As the NSS Volunteers name states, the students voluntarily participated in this activity.

Sr. No.	Name of the Activity	No. of Volunteers Participated			No. of Other Participated		
		Male	Female	Total	Male	Female	Total
1.	Gram Swachchata Abhiyan	38	29	67	--	--	--

Photos



Chairman N.S.S.

[Signature]

I/C Principal
Dnyandeep College
of Science & Commerce
A/P. Morvande, Boraj (Khed)

Dnyandeep Shikshan Prasarak Mandal's
Dnyandeep College of Science & Commerce
Morvande-Boraj, Tal: Khed, Dist: Ratnagiri.
**Celebrating Mahatma Gandhi and former Prime Minister Lal Bahadur
Shastri Birth Anniversaries**

Date: 2nd October 2017

Objective: To celebrate Mahatma Gandhi and Lal Bhadur Birth Anniversaries

Brief Summary of Report:

We celebrated birth anniversaries of Mahatma Gandhi and former Prime Minister Lal Bahadur Shastri on Monday. On this occasion our **Prin. (Dr) Umeshkumar Bagal** and **Mr. Sakunde V. L.** paid floral tributes to Mahatma Gandhi and former Prime Minister Lal Bahadur Shastri on their birth anniversaries.

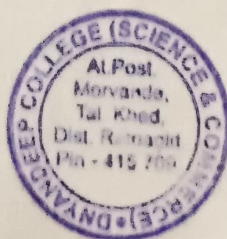
To celebrate this occasion, the College conducted a week long programmes as cleanliness activity, paper bag making activities. On this occasion express view by Mr. Kiran Darekar, Mr. Vitthal Sakunde and Prin. (Dr) Umeshkumar Bagal on life of the Father of Nation, Mahatma Gandhi and former Prime Minister, Lal Bahadur Shastri, The speaker give massage as give inspiration and clean our mind and develop personality. This function attended by all Commerce/CS/ IT Students and college staff. This programme organized by Ms. VrushaliJadhav Madam and Mahesh Patil Sir.

Sr. No.	Name of the Activity	No. of Colleges	No. of Volunteers Participated			No. of Other Participated		
			Male	Female	Total	Male	Female	Total
1.	Campus Cleanliness	1	25	34	59	--	--	--



(Signature)
I / C Principal
Dnyandeep College
Science & Commerce

Photo Clip:



23/11/16
Principal
Dnyandeep College
Science & Commerce

Dnyandeep Shikshan Prasarak Mandal's
Dnyandeep College of Science & Commerce
Morvande-Boraj, Tal:Khed, Dist: Ratnagiri.

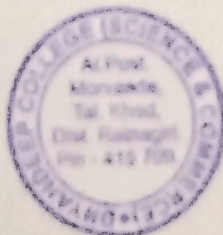
Tree Plantation Programme

Date: 1st July 2018

In Dnyandeep College of (Sci. & Com.) Morvande-Boraj and NSS unit of Dnyandeep College organized a tree plantation activity in the college campus. All the students of S.Y.B.Sc.IT/C.S and T.Y.B.Sc. C.S. attended this activity. Everyone was told to hold a plant and every student planted the plants respectively. This activity was performed as a National Service Scheme activity.

For this activity all the students showed active participation. It was a long way to travel, but all the students cooperated in a patient manner. It was a very atmospheric pleasure for all the students. In this way the activity was satisfactorily concluded.

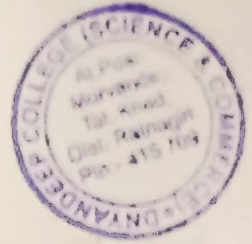
Sr. No.	Name of the Activity	No. of Colleges	No. Of Trees	No. of Colleges	No. of Volunteers Participated			No. of Other Participated		
					Male	Female	Total	Male	Female	Total
1.	Tree Plantation	1	150	1	18	25	43	04	05	09



Chairman N.S.S.

Dnyandeep
VC Principal

Dnyandeep College
of Science & Commerce
Morvande-Boraj (Khed)



Dnyandeep Shikshan Prasarak Mandal's
Dnyandeep College of Science & Commerce
Morvande-Boraj, Tal: Khed, Dist: Ratnagiri.

Swatchta Hi Seva.

Date: 8th August 2018

Objective: Awareness about cleanliness.

Brief Summary of Report:

On 8th August 2018 (Program Officer of NSS Dept.) Prof. Mahesh Patil addressed all the NSS volunteers and motivated them for (Swatchta Hi Seva) campaign.

On this event students got motivated about the cleanliness drive and perform the activities related to the cleanliness. All the students and teachers gathered together to put forward on the mission of cleanliness drive and banned on plastic usage and supported to each other with great efforts. After that all the volunteers gave the importance of cleanliness to the nearby residencies. At the end all the volunteers of NSS gave vote of thanks to all the member of the campus.

Sr. No.	Name of the Activity	No. of Colleges	No. of Volunteers Participated			No. of Other Participated		
			Male	Female	Total	Male	Female	Total
1.	Campus Cleanliness	1	12	23	35	-	-	-

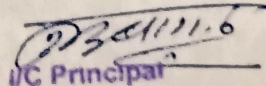

U.C. Principal
Dnyandeep College
of Science & Commerce
A/P Morvande-Boraj (Khed)

Photo Clip:



Dnyandeep Shikshan Prasarak Mandal's
Dnyandeep College of Science & Commerce
Morvande-Boraj, Tal: Khed, Dist: Ratnagiri.
Academic Year: 2018-19

Anti-Plastic Campaign

Date: 8th September, 2018

Objective: To make people aware about ill-effects of using plastic and encourage them to use paper and cloth bags.

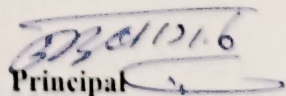
Brief Summary of Report:

The NSS unit had organized Anti-Plastic Campaign on dated 8th September, 2018 to encourage people to use paper and cloth bags and avoid the usage of plastic bags. The NSS volunteers prepared plastic and cloth bags under the guidance of programme Officer Mr. Mahesh Patil for the distribution purpose. Each volunteer prepared 10 cloths or paper bags each as a part of this activity.

The bags were distributed in Khed to small shopkeepers and medical stores. The importance of using cloth and paper bags was explained to those shopkeepers while distributing those bags. This activity was appreciated by them and the students received positive feedback. The NSS volunteers took active participation in this activity.

Total number of NSS units	Nature of activities	Total number of NSS volunteers participated	Total number of local youth / others participated	Total number of participation
1	Distributing Paper and Cloth Bags	100	20	120




Principal
I / C Principal
Dnyandeep College
Science & Commerce

DNYANDEEP SHIKSHAN PRASARAK MANDAL'S
DNYANDEEP COLLEGE OF SCIENCE & COMMERCE
Morvande - Boraj

Gram Swachchata Abhiyan

Date: 24th September, 2018

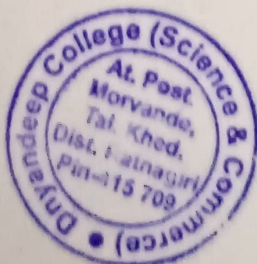
Objective : To clean the area around Gram Panchayat and temple.

Brief Summary of Report:

The NSS unit had organized Gram Swachchata Abhiyan on dated 27th September, 2018 to clean the area around Gram Panchayat and temple under the guidance of Mr. Mahesh Patil (PO of NSS Unit of Dnyandeep College). This activity had required almost 4 hours to complete it.

As the NSS Volunteers name states, the students voluntarily participated in this activity.

Sr. No.	Name of the Activity	No. of Colleges	No. of Volunteers Participated			No. of Other Participated		
			Male	Female	Total	Male	Female	Total
1.	Gram Swachchata Abhiyan	1	38	29	67	--	--	--



[Signature]
I / C Principal
Dnyandeep College
Science & Commerce

Dnyandeep Shikshan Prasarak Mandal's
Dnyandeep College of Science & Commerce
Morvande-Boraj, Tal: Khed, Dist: Ratnagiri.
Construction of Vanrai Bandhara.

Date: 15th October 2018

Objective: To construct Vanrai Bandhara.

Brief Summary of Report:

The NSS volunteers of Dnyandeep college and students of New English School, Boraj together Constructed the Vanrai Bandhara near Gram Panchayat Karyakshtetra , Boraj. It was constructed under the guidance of Mr. Mahesh Patil (Program officer of NSS unit of Dnyandeep college), Mr. Patil , Mr. Nagargoje (Faculty of New English School, Boraj).

Mr. Kanase(Development Cell head), Mr. Dhanvate , Mr. Dhaigude (Agriculture Department head), Mr. Rane and Mr. Ramchandra More (Sarpanch of Boraj Gram Panchayat), Mr. Vijay Kulkarni (Gram sevak), Mr. JitendraAgre, Mr.Tambat Sheth, Mr. Manohar Kamble(Gram Panchayat) were also present and guided the students.

Excel Company provided cement bags and plastic for the construction and Mr. Ajay Shinde (Former member of Gram Panchayat) also guided the students.

Sr. No.	Name of the Activity	No. of Colleges	No. of Volunteers Participated			No. of Other Participated		
			Male	Female	Total	Male	Female	Total
1.	Construction of VanraiBandhara	1	25	34	59	16	00	16



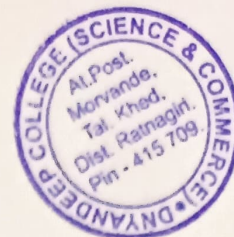
Dr. A. M. B.
I / C Principal
Dnyandeep College
Science & Commerce

Photo Clip:



30/01/21
 I/C Principal
 Dnyandeep College
 Science & Common

Dnyandeep Shikshan Prasarak Mandal's
Dnyandeep College of Science & Commerce
Morvande-Boraj, Tal. Khed, Dist. Ratnagiri.
College Campus Cleaning



Date: 28th August 2019

Time: 1 p.m. to 5 p.m.

On 28th August 2019 (Program Officer of NSS Dept.) Dr. Haneer Vinchu. addressed all the NSS volunteers and motivated them for (Swatchta Hi Seva) campaign.

On this event students got motivated about the cleanliness drive and perform the activities related to the cleanliness. All the students and teachers gathered together to put forward on the mission of cleanliness drive and banned on plastic usage and supported to each other with great efforts. After that all the volunteers gave the importance of cleanliness to the nearby residencies.

However, in this occasion presented our Hon' Prin. Dr. Umeshkumar M. Bagal and other staff and non-teaching staff. At the end all the volunteers of NSS gave vote of thanks to all the member of the campus.

Sr. No.	Name of the Activity	No. of Colleges	No. of Volunteers Participated			No. of Other Participated		
			Male	Female	Total	Male	Female	Total
1.	Campus Cleanliness	1	04	01	05	-	-	-

Photos:



Signature of the NSS Program Officer's

[Signature]
VC Principal
Dnyandeep College
of Science & Commerce
Morvande-Boraj (Khed)

Dnyandeep Shikshan Prasarak Mandal's
Dnyandeep College of Science & Commerce
Morvande-Boraj, Tal: Khed, Dist: Ratnagiri.



Tree Plantation Programme

Date: 7th July 2019

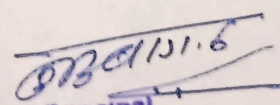
Time: 10.00 to 12.00

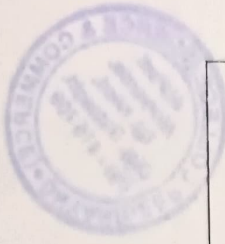
Venue: Gramdevta of Morvande-Boraj.

NSS unit of Dnyandeep College of Science & Commerce Morvande-Boraj organized a tree plantation activity. All the students of S. Y. B. Sc. I.T. /C.S and S.Y.B.Com attended this activity. This activity was performed as a National Service Scheme activity.

For this activity all the students showed active participation. It was a long way to travel, but all the students cooperated in a patient manner. In this way the activity was satisfactorily conducted.

Sr. No.	Name of the Activity	No. of Colleges	No. Of Trees	No. of Volunteers Participated		
				Male	Female	Total
1.	Tree Plantation	1	50	18	30	48


U/C Principal
Dnyandeep College
of Science & Commerce
A/P Morvande-Boraj (Khed)



Principal
Onyankp College
& Commerce
Kumasi, Ghana



Dnyandeep Shikshan Prasarak Mandal, Khed Ratnageri's
Dnyandeep College of Science and Commerce

At.Post:Morvande-Boraj, Tal-Khed, Dist-Ratnagiri, 415709

Affiliated to University of Mumbai

NAAC Accredited 'B' Grade
Women Development Cell

Artificial flower making workshop

Date: 05th March 2021

Time: 11.00 to 2.00 p.m.

Dnyandeep College of Science and Commerce department of Women Development Cell (WDC) and IQAC department was organised "Artificial flower making workshop" dated 05th March 2021. On this occasion we invited Mr Avinash Chaugule (ATD/GD Art Teacher). Sir delivered a lecture and training on "Artificial flower making".

Mr Avinash Chaugule (ATD/GD Art Teacher), Hon. Dr. Umeshkumar Bagal (I/C Principal Dnyandeep College), Miss. Dhanashree Ambre (IQAC Coordinator), and Miss. Shraddha Vichare (HOD of Comm. Dep.) all teachers, non-teaching staff and 30 students were present for this workshop. Mrs. Hemlata Ingavale introduced the guests & welcome ceremony took place.

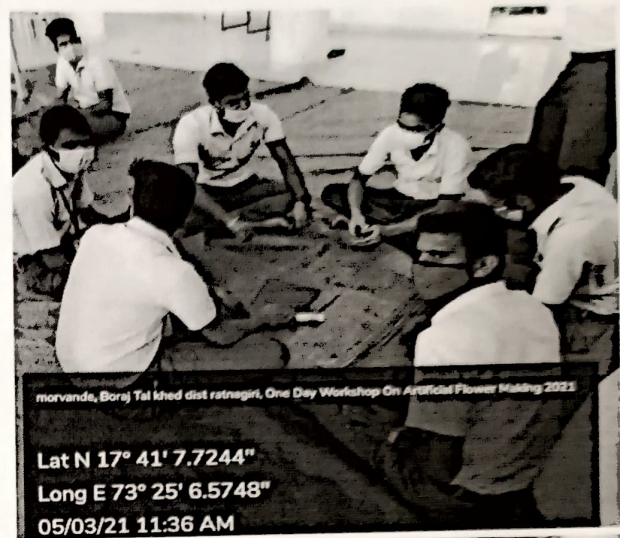
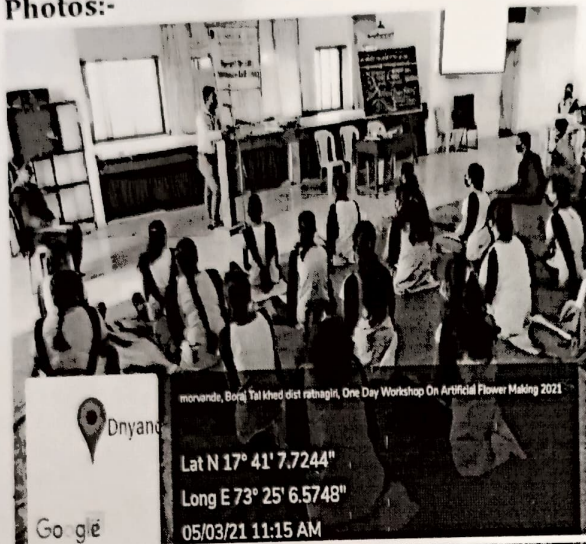
Chief Guest Mr Avinash Chaugule Sir addressed the students by informing them about making variety of flowers.

Students from FY / SY, CS / IT / Com classes participated in the "Artificial Flower Making" workshop. A paper flower is the art of cutting a piece of paper in various shapes and sizes and joining them together to form a realistic looking flower. Students are taught to make various flowers using the given templates and how to roll, shape, layer and assemble them. On March 05 the workshop was a new and fun experience for our students. The students enjoyed a variety of flowers. Our students absolutely loved the activity and were proud of their handmade flowers.

This helped to avoid wastage of natural resources i.e. flowers and overcome use of plastic. This activity made the students to understand the importance of being eco-friendly and ways to save environment and ultimately mother earth.

Sr. No.	Name of the Activity	No. of Colleges	No. of Volunteers Participated		
			Male	Female	Total
1.	Artificial flower making workshop	1	12	18	30

Photos:-

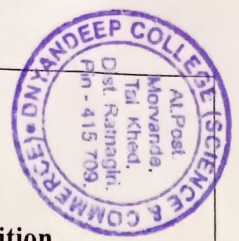


(Signature)

Signature of the WDC Coordinator

(Signature)

IC Principal
Dnyandeep College
of Science & Commerce
A/P. Morvande, Boraj Tal khed dist ratnagiri
Signature of the In-charge Principal



Dnyandeep Shikshan Prasarak Mandal's
Dnyandeep College of Science & Commerce Moravande-Boraj
Academic Year:- 2021-2022
Cultural Department Organized Eco-Friendly Rakhi Making Competition

Report

Subject:-Eco-Friendly Rakhi Making Competition

Date:-20/08/2021

Venue:-Online Platform

Dnyandeep College of science and commerce and Cultural Department has organized "Eco-Friendly Rakhi Making Competition" on the occasion of Rakshabandhan.

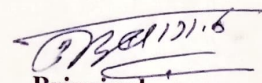
Dr.Umeshkumar M. Bagal (I/c Principal Dnyandeep College of science and commerce) , 10 staff members, non-teaching staff and students were present for this event virtually.

This Competition was organized to encourage the students for reusing and recycling stuff present in our house, to connect them with nature and Stop using plastic. E-certificate were issued to all the participants for there participation.


This way the whole program was a great success and proved productive to all of us. Students gave their positive feedbacks towards it.


Co-Ordinator

(Dnyandeep College of Science & Commerce)


Principal
I/C Principal
Dnyandeep College
of Science & Commerce
A/P. Morvande-Boraj (Khed)

Photos:-




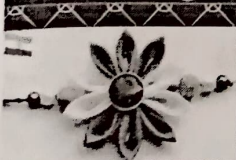
DNYANDEEP COLLEGE OF SCIENCE & COMMERCE
A/P. MORVANDE-BORAJ, TAL. KHED, DIST. RATNAGIRI,
PINCODE-415709

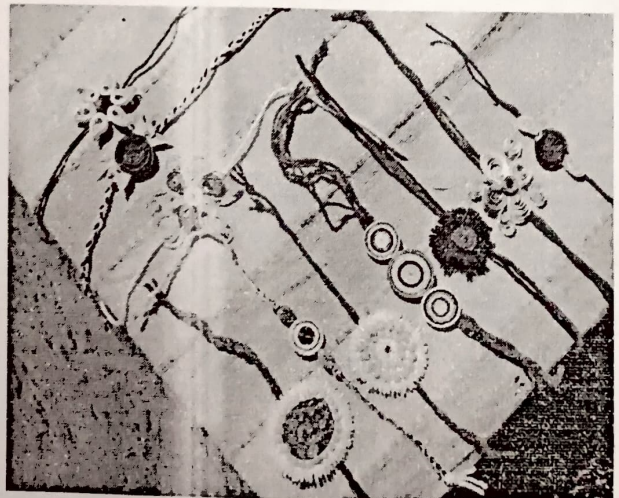
Eco-Friendly Rakhi Making Competition

✱ LAST DATE ✱
16 AUGUST

✱ PRINCIPAL ✱
Dr. Umeshkumar Bagal: 8087291145

✱ CO-ORDINATORS ✱
Prof. Vinayak Surve: 9921839893
Prof. Aishwarya Kapadi: 9607292640
Prof. Ikhtisam Wavgharkar: 9850621709





ENERGY AUDIT

2019-20 & 2020-21

AUDIT REPORT

Studied for

Dnyandeep Shikshan Prasarak Mandals'
Dnyandeep College of Science and Commerce
A/p Morvande-Boraj, Tal. Khed,
Dist. Ratnagiri, Khed – 415709, Maharashtra

Analysed by



31 January 2022

Disclaimer

Green Audit Team has prepared this report for the **Dnyandeep Shikshan Prasarak Mandals' Dnyandeep College of Science and Commerce** located at A/p Morvande-Boraj, Tal. Khed, Dist. Ratnagiri, Khed – 415709, Maharashtra based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable College.

These can be implemented phase wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and on-site investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm along with Ar. Nahida Shaikh as an Accredited Green Building Professional.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com

Introduction

About the Dnyandeep Shikshan Prasarak Mandal

It was established on 25 March 1999 with a humble beginning as a School. In December 1999 additional plot of land was gifted by the Members of the Mandal. In a span of 4 years with progressive and collective efforts the Junior College (Science Stream) was developed.

This progress turned into fruitful results consistent efforts of the Team which lead to the Institute's expansion and the Dynandeep College Building was built in June 2009. The joint efforts have since being continued leading to quality outputs in the form of education and expansion in the Building Infrastructure. The latest being the project of constructing the Architecture College as a Sister Institute in the premises. The Mandal's goal to develop a holistic education facility for the students of and around the Khed region of Maharashtra has seen a tremendous success in terms of quality education with an engaging and calm learning environment which has been developed over years of endeavour.

Assessment of the College

Affiliations - The College is affiliated to Mumbai University.

Recognitions - University Grant Commission (UGC) by 2(f) 12(b)

Accreditation

The following are details of the reaccreditation of the College.

Cycle	First
CGPA	2.04
Grade	B
Year	2017

Table 1: NAAC Accreditation details of the College

The College is due to enter its Second cycle of NAAC soon.

Energy Audit

The following analysis is combined for entire premise taking into considerations the duration before pandemic to understand the consumption pattern as post pandemic the premise is used only for a few hours.

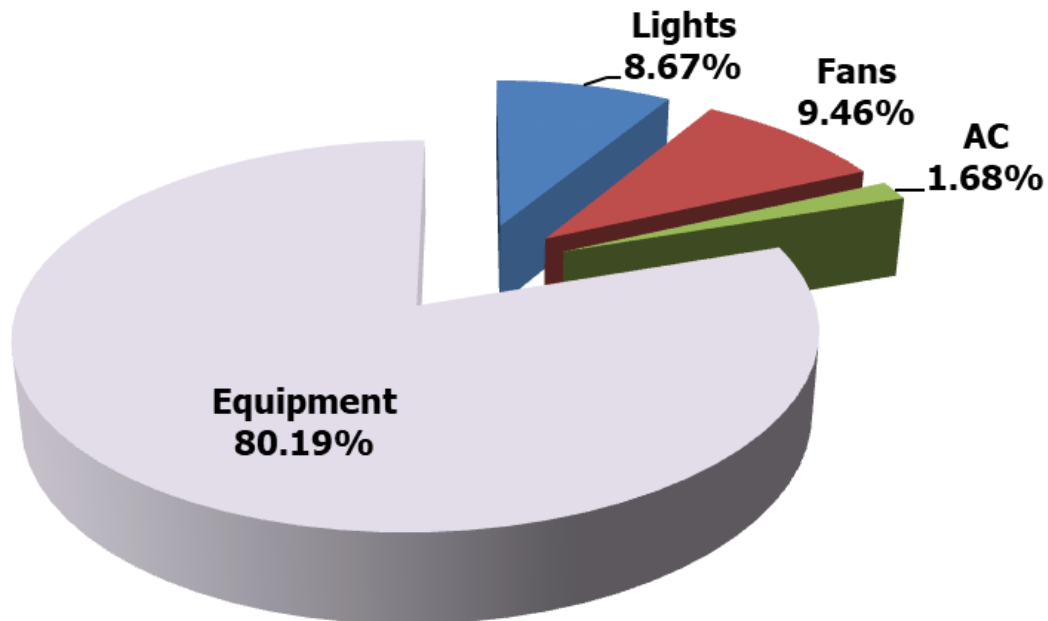


Figure 1: Summary of the Calculated Electrical Consumption as per inventory

The above graph shows that Equipment consumes 80.19% followed by Fans at 9.46% Lights at 8.67% and AC at 1.68% of the total calculated electrical energy.



ENVIRONMENT AUDIT

2019-20 & 2020-21

AUDIT REPORT

Studied for

Dnyandeep Shikshan Prasarak Mandals'
Dnyandeep College of Science
and Commerce

A/p Morvande-Boraj, Tal. Khed,
Dist. Ratnagiri, Khed – 415709, Maharashtra

Analysed by



31 January 2022

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Developing Healthy and Sustainable Environments

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Assessment of the College

Affiliations - The College is affiliated to Mumbai University.

Recognitions - University Grant Commission (UGC) by 2(f) 12(b)

Accreditation

The following are details of the reaccreditation of the College.

Cycle	First
CGPA	2.04
Grade	B
Year	2017

Table 1: NAAC Accreditation details of the College

The College is due to enter its Second cycle of NAAC soon.

Environment Audit

As part of our study we could state that the Institution has developed eco-friendly practices and sustainable solutions which are well reflected in the rich biodiversity of the Premises.

The landscape area has a variety of plantations constituting many trees in premises. The detail description of each is as follows.

S. No.	Scientific Name	Type	Nos.	Grown / Planted by
1	Mango Tree	Tree	3	Naturally
2	Cashonut	Tree	2	Naturally
3	Ashoka Tree	Tree	1	Staff
4	Syzigium Cumini (Jamun)	Tree	2	Staff
5	Jackfruit Tree	Tree	3	Student
6	Catechu (Khair)	Tree	10	Naturally
7	Papaya Tree	Tree	1	Student
8	Casuarina	Tree	1	Naturally
9	Ain	Tree	3	Naturally
10	Niv	Tree	1	Naturally
11	Manilkara Zapota (Chikoo)	Tree	1	Student
12	Royal Poinciana (Gulmohar)	Tree	1	Student
13	King Palm	Tree	4	Student
14	Rose Tree	Tree	13	Staff
15	Orange Tree	Tree	1	Student
16	(Saussurea Obvallata)Bramhakamal	Tree	1	Student
17	Periwinkle (Sadafuli)	Tree	1	Student
18	Chrysanthemum tree (Shevanti)	Tree	1	Student
19	Arebian Jasmine (Mogara)	Tree	1	Student
20	Hibiscus	Tree	4	Staff, Student
21	Ornamental Plant	Tree	1	Naturally
22	Garton Croton	Tree	6	Staff , Students
23	Plumeria Pudica	Tree	15	Student
24	Coconut Tree	Tree	1	Staff

25	Calatheas	Tree	5	Naturally
26	Araucaria	Tree	1	Naturally
27	Shoeblack plant (Chinese Hibiscus)	Tree	1	Student
28	Roostertree (Calotropis)	Tree	5	Naturally
29	Lonicera Pileata	Tree	1	Naturally
30	Rose of Paper	Tree	3	Student
31	Alovera	Herb	5	Student
32	Tulsi	Herb	10	Staff , Students
33	Scutch Grass	Herb	Innumerable	Staff , Students
34	Malachra Capitata (Ranbhendi)	Herb	Innumerable	Naturally
35	Coleus plant	Tree	1	Naturally
36	Plumeria (Chafa)	Tree	1	Student
37	Sonajhuri Flower	Tree	1	Naturally
38	Hedge Plant	Shrub	20	Naturally
39	Gardern Hunt recinus	Shrub	3	Student
40	Nototrichium	Shrub	3	Student
41	Index of pub	Shrub	1	Naturally
42	Ficus microcarpa	Shrub	1	Naturally
43	Themeda Triandra	Shrub	Innumerable	Naturally

Table 2: Details of the Flora in the premises

At present there are more than 140 trees and plants in the premises.



GREEN AUDIT

2019-20 & 2020-21

AUDIT REPORT

Studied for

Dnyandeep Shikshan Prasarak Mandals'
Dnyandeep College of Science
and Commerce

A/p Morvande-Boraj, Tal. Khed,
Dist. Ratnagiri, Khed – 415709, Maharashtra

Analysed by



31 January 2022

Disclaimer

Green Audit Team has prepared this report for the **Dnyandeep Shikshan Prasarak Mandals' Dnyandeep College of Science and Commerce** located at A/p Morvande-Boraj, Tal. Khed, Dist. Ratnagiri, Khed – 415709, Maharashtra based on input data submitted by the College analysed by the team to the best of their abilities.

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The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm along with Ar. Nahida Shaikh as an Accredited Green Building Professional.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com

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Table 1: NAAC Accreditation details of the College

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Green Practices Audit

The Institution has undertaken the following initiatives through **excellent efforts** towards save environment measures before pandemic. The NSS Department conducts various activities like tree plantation, nature cleanliness, visits to nearby flora and fauna, rural development initiatives.

Environment initiatives undertaken by the college

Activities undertaken in 2019-20

- **Tree Plantation Program** undertaken by NSS on 7 July, 2019
- **College Premises Cleaning Program** undertaken by NSS on 28 August 2019
- **Guidance about use of Solar Energy** undertaken by NSS on 26 November 2019

Activities undertaken in 2019-20

- **Tree Plantation Program** undertaken by NSS on 1 July 2020
- **Webinar on Plastic free Premises** by NSS on 5 June 2020

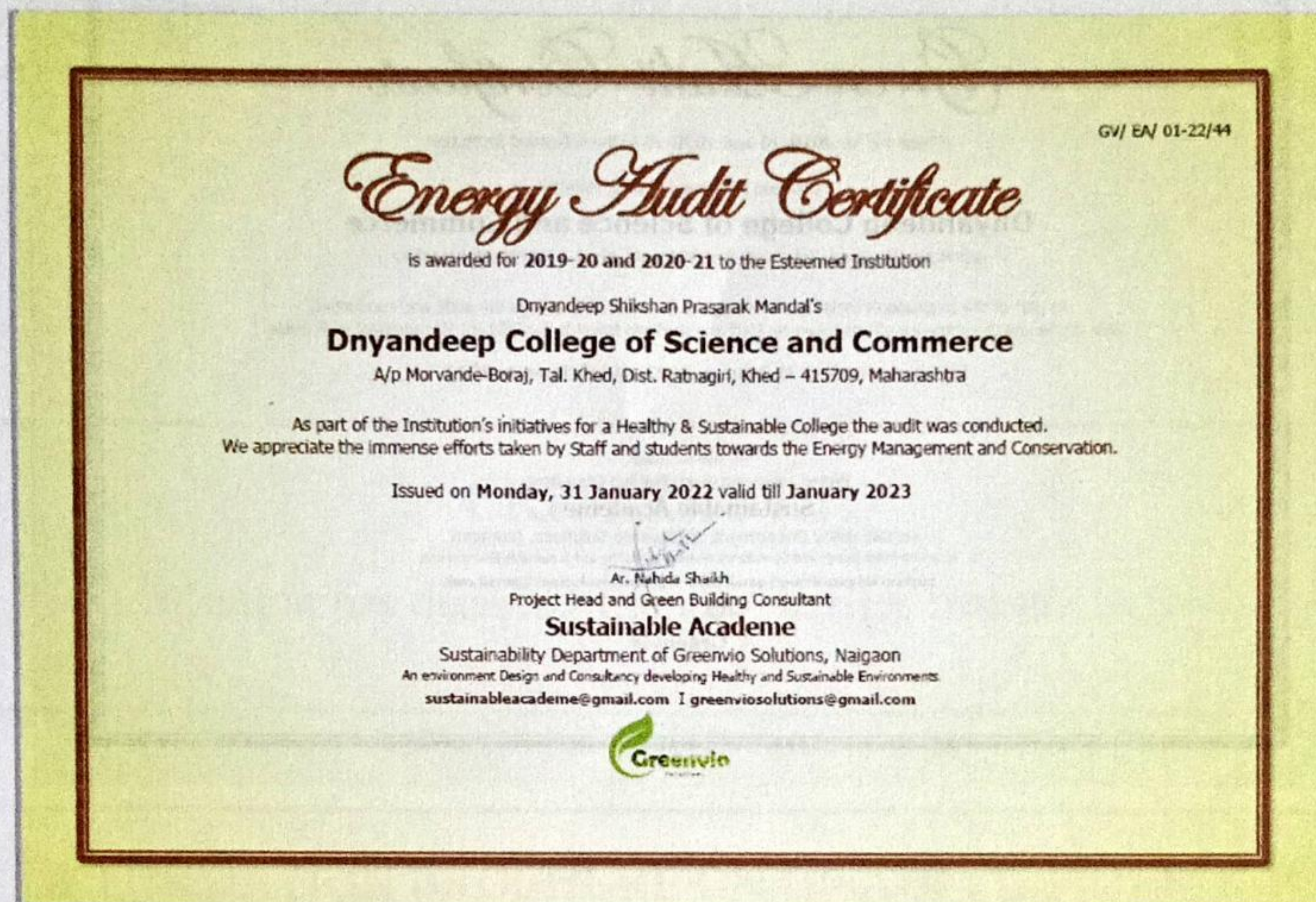
Due to lockdown additional social events could not take place.





7.1.6: Quality audit on environment and energy regularly undertaken by the Institution.

B. Certificates by the auditing agency





GV/ GA/ 01-22/ 46

Green Audit Certificate

is awarded for 2019-20 and 2020-21 to the Esteemed Institution

Dnyandeep Shikshan Prasarak Mandal's

Dnyandeep College of Science and Commerce

A/p Morvande-Boraj, Tal. Khed, Dist. Ratnagiri, Khed - 415709, Maharashtra

As part of the Institution's initiatives for a Healthy & Sustainable College the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Efficient Management of Premise.

Issued on **Monday, 31 January 2022** valid till **January 2023**

Ar. Nabida Shaikh

Project Head and Green Building Consultant

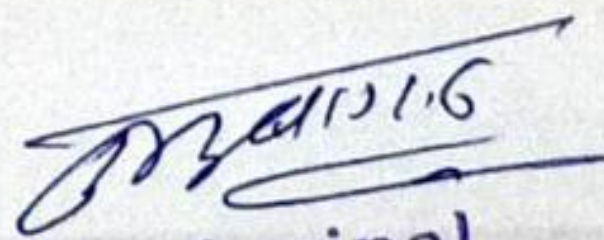
Sustainable Academe

Sustainability Department of Greenvio Solutions, Nalgaon

An environment Design and Consultancy developing Healthy and Sustainable Environments

sustainableacademe@gmail.com | greenviosolutions@gmail.com




I/C Principal
Dnyandeep College
Of Science & Commerce
A/p. Morvande-Boraj (Khed)

ENERGY AUDIT

STUDY PERIOD (TWO YEARS) 2021 – 2022 AND 2022 – 2023

Sustainability study

RENEWAL AUDIT REPORT

Studied for

Dnyandeep Shikshan Prasarak Mandal's

**Dnyandeep College of
Science and Commerce**

A/p Morvande-Boraj, Tal. Khed,
Dist. Ratnagiri, Khed – 415709, Maharashtra

Studied in the capacity of

Accredited and Certified

Green Building Professional



Studied by

Website: <https://thegreenviosolutions.co.in/>

Email: greenviosolutions@gmail.com

Valid till **30 April 2024**

Disclaimer

The Audit Team has prepared this report for the **Dnyandeep Shikshan Prasarak Mandals' Dnyandeep College of Science and Commerce** located at A/p Morvande-Boraj, Tal. Khed, Dist. Ratnagiri, Khed – 415709, Maharashtra based on input data submitted by the College analysed by the team to the best of their abilities.

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The Study is conducted incapacity of an Accredited & Certified Green Building Professional with extensive experience.

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Acknowledgment

The Audit Assessment Team extends its appreciation to the **Dnyandeep Shikshan Prasarak Mandals' Dnyandeep College of Science and Commerce, Maharashtra** for assigning this important work of Energy Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are extended are due to **everyone from the Management.**

Our heartfelt thanks are extended to the Chairperson of the entire process **Dr. Vijay Anant Kulkarni**, Principal for the valuable inputs.

We are also thankful to College's Task force the **Assistant Professors** faculty members who have played a major role in data collection - **Ms. Dhanashri Bhaskar Ambre and Ms. Ikhtisam Abdul Jaleel Wavgharkar.**

We highly appreciate the assistance of the **entire Teaching, Non-teaching, and Admin staff** for their support while collecting the data.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

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1. Introduction

1.1 About the Dnyandeep Shikshan Prasarak Mandal

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The latest being the project of constructing the Architecture College as a Sister Institute in the premises. The Mandal's goal to develop a holistic education facility for the students of and around the Khed region of Maharashtra has seen a tremendous success in terms of quality education with an engaging and calm learning environment which has been developed over years of endeavour.

1.2 Populace analysis

1.2.1 Students data

- The student data (shared by the College) shows there were a total of **102 male and 134 female students** thus **a total of 236 students** in the premises in the academic year 2021-2022.
- The student data (shared by the College) shows there were a total of **142 male and 146 female students** thus **a total of 288 students** in the premises in the academic year 2022-2023.

1.2.2 Staff data

- The staff data shows the premises had 22 male and 31 female staff members; thus a **total of 22 Staff Members** in the premises in the academic year 2021-2022.
- The staff data shows the premises had 27 male and 29 female staff members; thus a **total of 24 Staff Members** in the premises in the academic year 2022-2023.

1.3 Site and building spread area

The **total site area is 4.80 Acres** and the **total Built-up area of the College is 10,260 sq. ft.**

1.4 Accreditation of the Institute

The Institute has received the following:

- University - Temporary Affiliation
- NAAC - Applying for 2nd Cycle
- ISO - Approved Certificate (ISO 9001:2015)
- NIRF - Applied

1.5 Academic arena

The College with a total strength of more than 200 students has recently started two new courses which are a **Master's degree in Commerce (M.Com.)** and a **Bachelor's degree in Hospitality Studies (B.Sc. H.S.)** respectively.

1.6 Industry Collaborations

The details of the collaborations with external partners are documented below:

2021-2022

- Job card and job fair MoU with Mrunal Associates (Chiplun)
- Books Publication MoU with Sheth Publication.
- Faculty Exchange Program with Gharda College.

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- Students and Faculty Exchange program MoU with ICS College, Khed.
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- Students, Faculty, Innovative Ideas and Need Based Exchange program MoU with Bunts Sangha's S.M Shetty College.

1.7 Timeline of activities for research

As the College had undergone a renewal for the Academic year 2021-2022 and 2022-2023, data collection processes for verification purposes were asked to be submitted.

- ➔ Discussion with the College
- ➔ Allotment and Initiation by the College
- ➔ Process discussion with team
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RENEWAL REPORT

2. Compliance

The compliance study was carried out through investigative ways. This was done to understand the **extent of suggestions and their implementations based on previous report of Academic years 2019-2020 and 2020-2021.**

The details of the suggestions are based on the Original Report dated 31 January 2022 is further documented below. It is based on the data collection process.

S. No.	Recommendation Title	Compliance Status
1.	Building management systems	Not applicable
2.	Facility management systems and controls	Not implemented
3.	Adaptive reuse of existing spaces through design intervention	Partially implemented

Table 1: Details of the compliance study

The information for the existing nos. of electrical appliances is documented below

- **Non-LED lights** - The current data is **53 nos.** Previously it was **50 nos.** there has been a slight increase in the nos. it may be possible due to the campus up gradation and better strategies for the newly constructed premises.
- **Ceiling fans** - The current data is **107 nos.** Previously it was **102 nos.** there has been a slight decrease in the nos. it is due to replacement with air conditioners, campus up gradation and better strategies for the newly constructed premises.
- **Air conditioners** - The current data is **2 nos.** Previously it was **209 nos.** there has been an increase in the nos. but we feel this will add to the electrical loads of the premises and hence certain replacements should be thought about.

3. Inferences

3.1 Section-wise recommendations

The following suggestions are to be considered as a **first priority**.

3.1.1 Ceiling Fans

The current Fans are in proper working conditions and maintained well. The ceiling fans are in more quantity and consume at least 60W when in use. These should be replaced with energy efficient fans consuming 35W when in use.

Our detailed study states that is all the **ceiling fans on all floors** if replaced with star rated appliance results in a reduction of average of **42% reduction** It will be suggested to replace when fans get damaged or are not in working condition.

3.2 Consolidated study recommendations related to 'entire Institute'

The following details are consolidated study recommendations related to 'entire Institute' and should be considered as **second priority**.

3.2.1 Smart gardening

The College can undertake a Smart Gardening system using IoT Technology. This will result in saving time by scheduling time for watering; saving money through automated water schedules tracking dampness of soil to know when, how much water garden needs.



Plate 1: Solar farm concept for the Institute (For reference purpose only)

Image source: <https://housing.com/news/smart-gardening/>

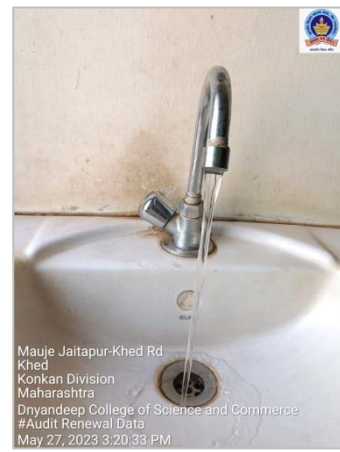
Data source: <https://www.happysprout.com/inspiration/what-is-smart-gardening/>



Implementation of the suggestion 'Plant as a gift to outsiders' and Campus cleaning as NSS activity



Implementation of the suggestion 'Documentation of the plantation with name plates'



Implementation of the suggestion 'Dustbins at every 100m and water flow stopper'



Implementation of the suggestion 'Tree adoption scheme' and 'Tree plantation (by NSS)'

4. Compilation

The study is based on the data collected, analysed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyse and study the data collected.

Specific references for study related to energy

- ➔ <https://www.energy.gov/eere/buildings/zero-energy-buildings>
- ➔ <https://www.dsaarch.com/zero-net-positive-energy>
- ➔ U.S. Energy Information Administration



(Renewal) Energy Audit Certificate

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2021-2022 and 2022-2023 (Analysed for 2 years)** to the Esteemed Institution

Dnyandeep Shikshan Prasarak Mandal's

Dnyandeep College of Science and Commerce

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As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Energy Management and Conservation.

Issued for data pertaining **June 2021 to April 2023**; Issued on **30 May 2023** valid till **30 April 2024**


Ar. Nahida Abdulla Shaikh

"Elite 100 Green Architects of India" Econaur, 2022

Certified Professional (Registration. No. 22/718)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Naigaon

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ENVIRONMENT AUDIT

STUDY PERIOD (TWO YEARS) 2021 – 2022 AND 2022 – 2023

Sustainability study

RENEWAL AUDIT REPORT

Studied for

Dnyandeep Shikshan Prasarak Mandal's

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Studied by

**Greenenvia
Solutions**

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Valid till **30 April 2024**

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RENEWAL REPORT

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S. No.	Recommendation Title	Compliance Status
1.	Resting places	In Process
2.	Tree Adoption Scheme	Active
3.	Name of the Plants for awareness	Active

Table 1: Details of the compliance study


The information for the other aspects are documented below:

- ➔ **Fire safety** - The refilling of the extinguishers is done on a regular basis.

3. Evidences

The information shared by the Institute to support the documentations is listed below:

TAX INVOICE (ORIGINAL FOR RECIPIENT)



MASTER SAFETY- (From 1-Apr-2023)
 101, Matrusmruti CHS Ltd., Karve Road
 Behind Rationing Office, Vishnu Nagar,
 Dombivli (W)-421 202.M-9766937160
 Email ID: Mastersafety2016@gmail.Com
 GSTIN/UIN: 27ADSPJ1194P1ZQ
 State Name : Maharashtra, Code : 27
 E-Mail : mastersafety2016@gmail.com

Invoice No. GST/23-24/0175	Dated 26-May-2023
Delivery Note	Mode/Terms of Payment
Supplier's Ref. GST/23-24/0175	Other Reference(s)
Buyer's Order No.	Dated
Despatch Document No.	Delivery Note Date
Despatched through	Destination Boraj
Terms of Delivery	

Consignee
Dnyandeep College of Science & Commerce
 Morvande-Boraj, Tal :Khed, Dist : Ratnagiri,
 State Name : Maharashtra, Code : 27

Buyer (if other than consignee)
Dnyandeep College of Science & Commerce
 Morvande-Boraj, Tal :Khed, Dist : Ratnagiri,
 State Name : Maharashtra, Code : 27

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	Refilling of ABC 4 Kg. Fire Extinguisher <i>Filled with Mono Ammonia Phosphate Powder with ISI Mark,</i>	38130000	1.000 Nos.	640.000	Nos.	640.000
2	Refilling of ABC 5 Kg. Fire Extinguisher. <i>Filled with Mono Ammonia Phosphate Powder with ISI Mark</i>	38130000	3.000 Nos.	800.000	Nos.	2,400.000
						3,040.000
Output CGST						273.600
Output SGST						273.600
Less :						(-)0.200
Total						₹ 3,587.000

Amount Chargeable (in words) **Indian Rupees Three Thousand Five Hundred Eighty Seven Only** E. & O.E


HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
38130000	3,040.000	9%	273.600	9%	273.600	547.200
Total	3,040.000		273.600		273.600	547.200

Tax Amount (in words) : **Indian Rupees Five Hundred Forty Seven and Twenty paise Only**

Company's PAN : **ADSPJ1194P**

Declaration
 We declare that this invoice shows the actual price of the goods & services described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : **TJSB Sahakari Bank Limited**
 A/c No. : **104120100000131**
 Branch & IFS Code : **Dombivli West & TJSB0000104**
 for **MASTER SAFETY- (From 1-Apr-2023)**



Authorised Signatory

SUBJECT TO MUMBAI JURISDICTION
 This is a Computer Generated Invoice

Plate 1: Details of the Fire extinguishers

4. Inferences

4.1 Section-wise recommendations

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission**. The Institute can execute a plan after discussion with Project Head.

4.1.1 Site beautification

- ➔ **Beautification of the entrance pathway** - The existing bricks (waste from the existing new construction going on) can be used or upgraded the pathway through an appropriate Landscape Architecture design.
- ➔ **Bird house/ Feeders** - At appropriate locations there can be provisions for drinking water and some grains for birds as they visit the site much frequently.
- ➔ **Garden development** - The existing open space should be designed as an Architectural landscape.
 - The roofs of the buildings should be turned into Green roofs (By introducing terrace or vertical gardens) or Cool roofs (By painting the same with Cooltop material for solar reflectivity).
 - Introduce various types of gardens inside the premises – The examples such as Flower gardens, Woodland gardens, Rock gardens, Water gardens, Vegetable and herb gardens, Roof gardens, Scented gardens, Medicinal gardens and Botanical gardens can be practiced.

4.1.2 Universally accessible premises

- ➔ **Universal Toilet** - There should be a minimum of 1 toilet in every block for the specially-abled people as per guidelines prescribed by the National Building Code 2016.
- ➔ **User-friendly movability on-premises** - There should be the provision of a Kerb Ramp near the main entrance of the Building premises, also a low height handrail for ease of access.

- ➔ **Resting places** - There should be increased provision for resting places on-premises outdoor and indoors.
- ➔ **Provisions for visually impaired - Signages** – In addition to the signages being in regular language there should be additional signages in braille language for the specially-abled students.

4.1.3 Life safety

- ➔ **Fire station** – A dedicated fire station could be established within the premises as part of the Fire and Life safety practices.
- ➔ **Combustible equipment** - Every space which has a gas cylinder or combustible equipment should have a provision for the barricade around the gas cylinders, appropriate safety board's mentioning 'danger sign' and 'Do not touch' with an additional small fire extinguisher close by.
- ➔ **Sensitization programs** - Regular seminars/ webinars by experts such as Architects, Govt. Fire department on subjects related to fire and life safety should be organized and the outputs should be adopted and documented.

4.1.4 Pollution Control

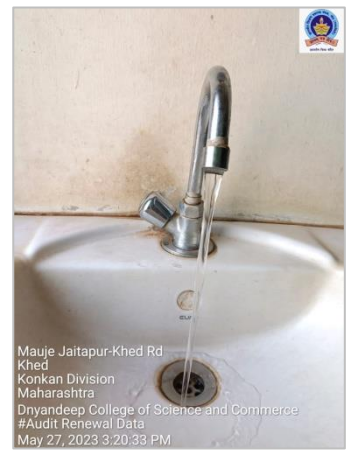
- ➔ **Specific area designated for E-vehicles** – There should be designated area dedicated to E-vehicles parking and charging and this zone should be demarcated as 'Eco-Zone'
- ➔ **Promote the use of Eco-friendly vehicles** - There can be student and staff sensitization program on eco-friendly and battery-operated vehicles/ low emission vehicles for daily use.



Implementation of the suggestion 'Plant as a gift to outsiders' and Campus cleaning as NSS activity



Implementation of the suggestion 'Documentation of the plantation with name plates'



Implementation of the suggestion 'Dustbins at every 100m and water flow stopper'



Implementation of the suggestion 'Tree adoption scheme' and 'Tree plantation (by NSS)'

5. Compilation

The study is based on the data collected, analysed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyse and study the data collected.

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- ➔ Used only for understanding Universal design - Universal Accessibility Guidelines for Pedestrian, Non-motorized vehicle and Public Transport Infrastructure – Report guidelines by Samartham (National center for Accessible Environments) – an initiative supported by Shakti Sustainable Energy Foundation and www.umassd.edu
- ➔ The city of Cheyenne, Streetscape/ Urban Design elements - Wyoming Planning Association, Gillette, Wyoming, United States
- ➔ Images on site by Coordinators of the both teams



(Renewal) Environment Audit Certificate

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2021-2022 and 2022-2023 (Analysed for 2 years)** to the Esteemed Institution

Dnyandeep Shikshan Prasarak Mandal's

Dnyandeep College of Science and Commerce

A/p Morvande-Boraj, Tal. Khed, Dist. Ratnagiri, Khed – 415709, Maharashtra

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Environment Protection and Conservation.

Issued for data pertaining **June 2021 to April 2023; Issued on 30 May 2023 valid till 30 April 2024**


Ar. Nahida Abdulla Shaikh

Certified Professional (Registration. No. 22/718)

Project Head and Green Building Professional-Consultant

Sustainable Academe | Sustainability Department of Greenvio Solutions, Naigaon

An environment Design and Consultancy developing Healthy and Sustainable Environments

Email: sustainableacademe@gmail.com | greenviosolutions@gmail.com



Website: <https://thegreenviosolutions.co.in/>

GREEN AUDIT

STUDY PERIOD (TWO YEARS) 2021 – 2022 AND 2022 – 2023

Sustainability study

RENEWAL AUDIT REPORT

Studied for

Dnyandeep Shikshan Prasarak Mandal's

**Dnyandeep College of
Science and Commerce**

A/p Morvande-Boraj, Tal. Khed,
Dist. Ratnagiri, Khed – 415709, Maharashtra

Studied in the capacity of

**Accredited and Certified
Green Building Professional**



Studied by

Website: <https://thegreenviosolutions.co.in/>

Email: greenviosolutions@gmail.com

Valid till **30 April 2024**

Disclaimer

The Audit Team has prepared this report for the **Dnyandeep Shikshan Prasarak Mandals' Dnyandeep College of Science and Commerce** located at A/p Morvande-Boraj, Tal. Khed, Dist. Ratnagiri, Khed – 415709, Maharashtra based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on a comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase-wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements, or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a while and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is an Accredited and Certified Green Building Professional. Green Building consultancy is her forte and she is one of the most sought-after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted incapacity of an Accredited & Certified Green Building Professional with extensive experience.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com

Acknowledgment

The Audit Assessment Team extends its appreciation to the **Dnyandeep Shikshan Prasarak Mandals' Dnyandeep College of Science and Commerce, Maharashtra** for assigning this important work of Green Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are extended are due to **everyone from the Management.**

Our heartfelt thanks are extended to the Chairperson of the entire process **Dr. Vijay Anant Kulkarni**, Principal for the valuable inputs.

We are also thankful to College's Task force the **Assistant Professors** faculty members who have played a major role in data collection - **Ms. Dhanashri Bhaskar Ambre and Ms. Ikhtisam Abdul Jaleel Wavgharkar.**

We highly appreciate the assistance of the **entire Teaching, Non-teaching, and Admin staff** for their support while collecting the data.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

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2. Compliance	7
3. Inferences.....	9
4. Compilation.....	11

RENEWAL REPORT

1. Introduction

1.1 About the Dnyandeep Shikshan Prasarak Mandal

It was established on 25 March 1999 with a humble beginning as a School. In December 1999 additional plot of land was gifted by the Members of the Mandal. In a span of 4 years with progressive and collective efforts the Junior College (Science Stream) was developed.

This progress turned into fruitful results consistent efforts of the Team which lead to the Institute's expansion and the Dynandeep College Building was built in June 2009. The joint efforts have since being continued leading to quality outputs in the form of education and expansion in the Building Infrastructure.

The latest being the project of constructing the Architecture College as a Sister Institute in the premises. The Mandal's goal to develop a holistic education facility for the students of and around the Khed region of Maharashtra has seen a tremendous success in terms of quality education with an engaging and calm learning environment which has been developed over years of endeavour.

1.2 Populace analysis

1.2.1 Students data

- The student data (shared by the College) shows there were a total of **102 male and 134 female students** thus **a total of 236 students** in the premises in the academic year 2021-2022.
- The student data (shared by the College) shows there were a total of **142 male and 146 female students** thus **a total of 288 students** in the premises in the academic year 2022-2023.

1.2.2 Staff data

- The staff data shows the premises had 22 male and 31 female staff members; thus a **total of 22 Staff Members** in the premises in the academic year 2021-2022.
- The staff data shows the premises had 27 male and 29 female staff members; thus a **total of 24 Staff Members** in the premises in the academic year 2022-2023.

1.3 Site and building spread area

The **total site area is 4.80 Acres** and the **total Built-up area of the College is 10,260 sq. ft.**

1.4 Accreditation of the Institute

The Institute has received the following:

- University - Temporary Affiliation
- NAAC - Applying for 2nd Cycle
- ISO - Approved Certificate (ISO 9001:2015)
- NIRF - Applied

1.5 Academic arena

The College with a total strength of more than 200 students has recently started two new courses which are a **Master's degree in Commerce (M.Com.)** and a **Bachelor's degree in Hospitality Studies (B.Sc. H.S.)** respectively.

1.6 Industry Collaborations

The details of the collaborations with external partners are documented below:

2021-2022

- Job card and job fair MoU with Mrunal Associates (Chiplun)
- Books Publication MoU with Sheth Publication.
- Faculty Exchange Program with Gharda College.

2022-2023

- Students and Faculty Exchange program MoU with ICS College, Khed.
- Students and Faculty Exchange program MoU with TBK College, Khed.
- Students, Faculty, Innovative Ideas and Need Based Exchange program MoU with Bunts Sangha's S.M Shetty College.

1.7 Timeline of activities for research

As the College had undergone a renewal for the Academic year 2021-2022 and 2022-2023, data collection processes for verification purposes were asked to be submitted.

- ➔ Discussion with the College
- ➔ Allotment and Initiation by the College
- ➔ Process discussion with team
- ➔ Data submitted by College
- ➔ Submission of the files

RENEWAL REPORT

2. Compliance

The compliance study was carried out through investigative ways. This was done to understand the **extent of suggestions and their implementations based on previous report of Academic years 2019-2020 and 2020-2021.**

The details of the suggestions are based on the Original Report dated 31 January 2022 is further documented below. It is based on the data collection process.

S. No.	Category	Recommendation Title	Compliance Status
1.	Green practices audit	Plant as a gift	Active
2.		Tree Adaptation Scheme	Active
3.		Environmental Awareness	Active
4.		Signages on the plants mentioning scientific names	Active
5.	Waste audit	Dustbin at every 100m	Active
6.	Water audit	Water flow stopper	Active
7.		Universal Toilet	in Process

Table 1: Details of the compliance study

The information for the other aspects is documented below:

2021-2022:

- Tree Plantation program undertaken by NSS on the occasion of Environment Day on 5th June, 2021.
- On the occasion of Mahatma Gandhi and Lal Bahadur Shastri Jayanti Campus Cleaning Activity was conducted by NSS on 2nd October 2021.

2022-2023:

- Tree Plantation program undertaken by NSS on the occasion of Environment Day on 23rd June, 2022.

- ➔ To generate awareness about Population increment and Population Control, World Population Day was celebrated on 11th July, 2022.
- ➔ To generate awareness about Drugs and its Causes, "Say Yes to life, No to Drugs" Program was organized by NSS department on 13th July 2022.
- ➔ Paper Flower making workshop was conducted by NSS on 3rd August 2022.
- ➔ On the occasion of Azadi ka Amrut Mahotsav, Campus Cleaning Activity was Done by NSS Students on 11th August 2022.
- ➔ On the occasion of Azadi ka Amrut Mahotsav, Tree Plantation program undertaken by NSS on 15th August 2022.
- ➔ To aware students about forts and its conservation, Fort Conservation program was conducted by NSS on 8th March 2023.

3. Inferences

3.1 Section-wise recommendations

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission**. The Institute can execute a plan after discussion with Project Head.

3.1.1 Green Audit

- ➔ **Environmental awareness** - There can be various artworks on the compound wall giving the message of saving the environment through the joint efforts of the students and staff thereby making the student socially and environmentally responsible citizens.
- ➔ **Increase the organic farming practices** - The premises can have an organic farming facility in terms of farms, kitchen, terrace gardens the produce can be directly utilised in the premises.

3.1.2 Waste Audit

- ➔ **Twin Dual Litter Dustbin Bins** - There should be more number of dual litter dustbins at various locations in areas such as Canteen, and open spaces. This would inculcate the awareness of waste segregation among students.
- ➔ **Include better plastic/ E-waste management measures** - The Institute can celebrate one day of every month as a 'Plastic/ E-waste awareness day' The stakeholders (Students and staff members) can be asked to bring plastic/ E-waste which can be further given to an NGO for recycling or better purpose.
- ➔ **Organic compost pit maintenance methodology** - The Institute can recheck the current methodology as it can yield better results in terms o quantity if it is well maintained with the following strategies:
 - The sanitary pad incineration dust can be sent to the compost pit
 - There should be a balance of brown and green waste material

- Shred the materials before adding them to pit
- Add twigs
- Stir occasionally
- Add water in less quantity to avoid the smell
- Keep ample air circulation to avoid the smell
- Regular monitoring and maintenance.

3.1.3 Water Audit

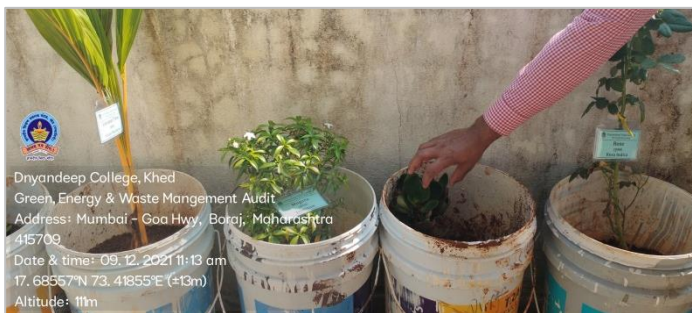
- ➔ **Waterless urinals** - There can be the provision of waterless urinals as a Green Building initiative in the premise, either the existing ones can be replaced with such a facility or new toilets can be constructed in this manner.
- ➔ **Rain water bunds** – There should be landscape beautification project undertaken to appropriate channelize the rain water through bunds and similar facilities.

3.1.4 Health and Hygiene Audit

- ➔ **Courtyards and duct areas** – These are located in the internal and setback should have vertical gardens for beautification.
- ➔ **Avoid burning waste** - The waste produced on the premises should not be burned as it is dangerous to the health of students and staff
- ➔ **Pest control program** - The Institute should practice pest control programs with appropriate sanitation facilities through an appropriate agency.



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