



**7.1.3: Quality Audits on Environment
and Energy Regularly Undertaken by the
Institution.**



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	Green audit Environmental audit report from recognized bodies	View Document
	Certificates of the awards received from recognized agency	View Document



Summary

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[Signature]
Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2nd
Nigdi, Pune-411044



7.1.3: Action taken reports and Achievement report as clean and green campus initiative



7.1.3: Action Taken Report and Achievement Report as Clean and Green Campus Initiative

The Modern College of Pharmacy, Nigdi, Pune continuously takes efforts for environmental sustainability, responsible use of resources and awareness initiatives for clean and green campus. Green campus initiatives by institute includes organization of Cleanliness Drive in association with the NSS unit, utilization of natural resources like rain water and energy, waste management using proper segregation techniques without harming the environment, Plantation in and around the campus in association with NSS Unit. Students and staff members participate in these initiatives with great enthusiasm. Green audit, energy audit and environment audit has been conducted by the institute regularly. Slogans on Energy Conservation, Water conservation, Conservation of Greenery have been placed by the institute within the campus to create awareness among the students and staff. These Strategies have been included in institutional planning in order to create a clean and environmentally friendly campus. This Report focuses on initiatives taken to promote environmental conservation, clean and green campus.

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<u>Clean and Green campus initiatives Summary</u>			
1	<u>Awareness campaigns within campus</u>		
	A.Y.	Sr. No.	Title of activity
	2022-23	1	<u>Plastic Collection Drive</u>
	2021-22	2	<u>Swachhta Pakhawada</u>
		3	<u>Training to Non-teaching staff about waste management</u>
		4	<u>Training to Non-teaching staff about sterilization and microbial waste disposal</u>
	2019-20	5	<u>Swachhta Pakhawada</u>
		6	<u>Tree Plantation</u>
	2018-19	7	<u>Save water save environment Camp</u>
		8	<u>Tree plantation</u>
Total Number of activities: 08			



2	Introduction of Environmental sciences subject in the curriculum.	
3	Other measures for Clean and Green Campus	
	1	Rain water harvesting
	2	Digital library
	3	Paperless operating procedure
	4	Use of VmEdulife Software
	5	Complete ban on plastic in campus
	6	Signage of plastic free campus
	7	Landscaping with trees and plants
	8	Recycling bin for e-waste (MOU of ECA)
	9	Restricted entry of vehicles
	10	CNG bus
	11	No smoking campus signage
	12	E-vehicle notice on notice board
	13	Solid waste management
	14	E-waste management
	15	Biomedical waste management
Outcome of all clean and green campus initiative.		



CLEAN AND GREEN CAMPUS INITIATIVES SUMMARY

Action Taken Report and Achievement Report as Clean and Green Campus Initiative

The Modern College of Pharmacy, Nigdi, Pune continuously takes efforts for environmental sustainability, responsible use of resources and awareness initiatives for clean and green campus. Green campus initiatives by institute includes organization of Cleanliness Drive in association with the NSS unit, utilization of natural resources like rain water and energy, waste management using proper segregation techniques without harming the environment, Plantation in and around the campus in association with NSS Unit. Students and staff members participate in these initiatives with great enthusiasm. Green audit, energy audit and environment audit has been conducted by the institute regularly. Slogans on Energy Conservation, Water conservation, Conservation of Greenery have been placed by the institute within the campus to create awareness among the students and staff. These Strategies have been included in institutional planning in order to create a clean and environmentally friendly campus. This Report focuses on initiatives taken to promote environmental conservation, clean and green campus.



[Signature]
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P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044

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	2019-20	4	Training to Non-teaching staff about sterilization and microbial waste disposal
		5	Swachhita Pakhawada
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[Signature]
Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044



1. Awareness campaigns


NSS department has organized various awareness programs in and out of the campus. Environmental promotion activity, awareness campaigns are encouraged to facilitate effective implementation of the Green Campus, Energy and Environment policies.

On daily basis the sweepers clean the campus and toilet. Institute has sufficient staff for cleaning of classrooms, corridors, faculty rooms, laboratories etc. During pandemic situation the fumigation and sanitization of the campus is frequently carried out. In the pandemic period sanitization of a hand before entering to the college premises and checking temperature by digital temperature were practiced.


Following are the details of sensitization program conducted since last 5 years with in campus.



1. Plastic Collection Drive (2022-23)



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council


Date: 13/10/2022

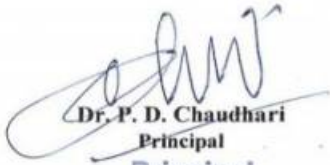
NOTICE

All the S.Y B.Pharm ,and Pharm.D students of Modern College of Pharmacy, Nigdi are hereby informed that college has organized Plastic collection drive on the occasion of mega-cleanliness drive on 19.10.2022 at Yamuna Nagar Nigdi Pune Maharashtra 411044. All the students can gathered at NSS office at 4 pm. We have to collect plastic waste from our campus as well as from nearby area.

Time: 4:00 pm – 5.00 pm.
Venue: Yamuna Nagar Nigdi Pune Maharashtra 411044

Note:
Students must carry the ID card for the program.
For more updates follow the official Facebook & Instagram Account of MCOP Nigdi




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2022-2023

1.	Name of activity	PLASTIC COLLECTION- DRIVE
2.	Date of activity	19.10.2022
3.	Time	4PM-5PM
4.	Total no students participate	25
5.	Occasion of activity	MEGA-CLEANLINESS DRIVE –PLASTIC COLLECTION
6.	Inauguration by	Ms. Priyanka Bagade
7.	Place of activity	Yamuna Nagar Nigdi Pune Maharashtra 411044
8.	Objectives of activity	To clean the premises or Destruction of plastic from premises. To make the students aware about use of cloth bags instead of plastic
9.	Outcome of activity	Premises is free from plastic and students got idea regarding hazards effect of plastic on environment.
10.	Activity co-coordinator	Mr. R.M.Gurav. Ms. P.V.Bagade.





Photos of Plastic Collection Drive dated 19/10/2022

Photos of activity



Ms. P.V. Bagade
NSS Program officer

Mr. R.M. Gurav
NSS Program officer

Dr. P. D. Chaudhari
Principal



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
NSS Regular Activity Report 2022-23

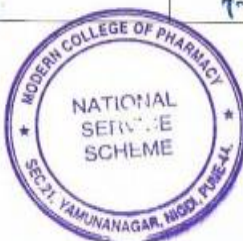
Name of Activity: Plastic Collection- Drive

Date & Time: 19/10/2022

Venue: College Campus

Sr. No.	Name of Student	Class	Signature
1	Rohit Baheti	3 rd year	Rohit
2	Shadab Shaikh	3 rd yr B.Pharm	Shadab
3	Shadab Shaikh		
4	Sanika Anand Shelar	T.Y. B. Pharm	Sanika
5	Aditya Kaser	T.Y. B. Pharm	Aditya
6	Srushti Phand	T.Y. B. Pharm	Srushti
7	Vidya Chaudhari	T.Y. B. Pharm	Vidya
8	Abhishek Shendulkar	T.Y. B. Pharm	Abhishek
9	Bhumika Bhole	T.Y. B. Pharm	Bhumika
10	Siddhi Chavan	T.Y. B. Pharm	Siddhi
11	Shivam Phasale	T.Y. B. Pharm	Shivam
12	Sohan Bharambe	T.Y. B. Pharm	Sohan
13	Sakshi Patre	T.Y. B. Pharm	Sakshi
14	Abhinav Thorat	T.Y. B. Pharm	Abhinav
15	Dipak Gonde	T.Y. B. Pharm	Dipak
16	Vaibhav Dhamale	T.Y. B. Pharm	Vaibhav
17	Dewshree Patil	T.Y.	Dewshree
18	Gautami Khimwase	T.Y.	Gautami
19	Deepthi Gungul	T.Y.	Deepthi
20	Neha Newse	T.Y.	Neha
21	Vaishnavi More	T.Y.	Vaishnavi
22	Harshada Kamte	T.Y.	Harshada
23	Pranav Jadhav	T.Y.	Pranav
24	Gaurav Kela	T.Y.	Gaurav
25	Nikar Gore	T.Y.	Nikar


Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044




Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



2. Swachhta Pakhawada (2021-22)



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Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Sector No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcp.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

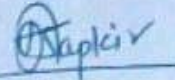
Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council


Date: 25/07/2021

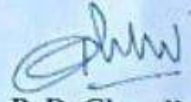
NOTICE

All the students & staff members are hereby informed that NSS Unit of the college has organized following mentioned activity. All are requested to actively participate in the activity. Details of the activity is mentioned below:

Name of Activity: Swachhata Pakhwada
Date & Time: 01/08/2021 to 15/08/2021, 10.00 am to 6.00 pm
Venue: College Campus.
Note: Wear mask. Use Hand Sanitizers. Maintain Safe Distance


Dr. A. S. Tapkir
NSS Program Officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ACTIVITY REPORT
2021-22

1. Name of Activity	Swachhata Pakhwada
2. Date of activity	01.08.2021
3. Time	10.00 am to 6.00 pm
4. Total no students participated	100
5. Occasion of activity	Swatchha Bharat Abhiyan
6. Inauguration by	Dr. P.D. Chaudhari
7. Place of activity	PES Modern College of Pharmacy, Nigdi, Pune-44
8. Objectives of activity	To generate awareness about sanitation and its links to public health. To aware about waste management. To spread awareness about how to clean the premises. To maintain public health with the help of cleaning.
9. Outcome of activity	Generated awareness in students and society regarding Swatchh bharat Abhiyan. Students understood how to do management of solid waste. As a pharmacist discussed and counseled regarding health and cleanliness and its relation in causing various diseases.
10. Activity co-coordinator	Dr. A. S. Tapkir Prof. R. M.Gurav Prof. P. A.Pawar







Photo of Swachata Pakhawada dated 01/08/2021

Date of activity: 01.08.2021




Dr. A. S. Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamuna Nagar, Nigdi,
Pune - 411 004



**P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2021-22**

Name of Activity: Swatchhta Pakhwada

Date of Activity: 01.08.2021

Sr No	Name Of Student	Sign
1.	Gaikwad Anuj Vitthal	Anuj
2.	Bembde Dnyaneshwar Rajendra	Dnyaneshwar
3.	Raut Shraddha Subhash	Shraddha
4.	Kulkarni Sampada Nitin	Sampada
5.	Kurulekar Vikas Gangadhar	Vikas
6.	Magar Vaishnavi Vinayak	Magar
7.	Patil Yashasvi Vijay	Patil
8.	Shinde Snehal Santosh	Santosh
9.	Shinde Ashish Hanmant	Ashish
10.	Patel Ajaykumar Angadlal	Ajay
11.	Waghire Nikhil Ravindra	Nikhil
12.	Salunke Nikita Satyawar	Nikita
13.	Wasule Anjali Raju	Anjali
14.	Tole Adwait Pranesh	Adwait
15.	Shinde Kadambari Babasaheb	Kadambari
16.	Sarne Shweta Sham	Shweta
17.	Dhapate Ajay Jagannath	Ajay
18.	Bhalke Rameshwar Shivraj	Rameshwar
19.	Chitta Vaishali Gundappa	Gundappa
20.	Bhakare Harshal Ashok	Harshal
21.	Jadhav Shraddha Shivrani	Shraddha
22.	Mare Pavankumar Dattatraya	Pavankumar
23.	Waghmare Shrinath Shantinath	Shrinath
24.	Patil Vasundhara Pramod	Vasundhara
25.	Choudhary Khushboo Khivaram	Khushboo
26.	Waghmode Harshita Shankar	Harshita
27.	Sargar Lalit Rajaram	Lalit





Criteria 7: Institutional Values and Best Practices



28.	Tapkir Rohit Ganesh	Tapkir
29.	Basate Tejaswini Shrimant	Basate
30.	Salve Ajinkya Prakash	Ajinkya
31.	Gaikwad Siddhant Fulchand	Siddhant
32.	Bhale Bhagirathi Narayan	Bhale
33.	Kumbhar Nikhita Dattatray	Kumbhar
34.	Hojage Sneha Navnath	Sneha
35.	Shinde Varsha Pandurang	Shinde
36.	Ganjure Kaveri Uddhav	Kaveri
37.	Telang Akansha Gangadhar	Akansha
38.	Hamdulay Yusra Rafiq O	Yusra
39.	Hande Maithil Dattatray	Maithil
40.	Gohil Khushabu Bhikubhai	Khushabu
41.	Taru Deepak Khandu	Deepak
42.	Raut Pratiksha Laxman	Pratiksha
43.	Barwad Naresh Ramakant	Naresh
44.	Khandagale Saakshi Suresh	Sakshi
45.	Giri Rutuja Vitthal	Rutuja
46.	Harne Shivani Sahadeo	Shivani
47.	Rokade Manish Subhash	Manish
48.	Hage Vaibhav Ganesh	Vaibhav
49.	Dighe Trupti Eknath	Trupti
50.	Mate Dnyaneshwari Sandip	Dnyaneshwari
51.	Kale Rushikesh Hanmant	Rushikesh
52.	Gulhane Riteeka Ravindra	Riteeka
53.	Dhumal Neha Vinod	Neha
54.	Patil Sayali Dipak	Sayali
55.	Shrivastav Kalyani Rahul	Kalyani
56.	Chavan Guruprasad Satish	Guruprasad
57.	Deo Akshay Nitin	Akshay
58.	Deshmukh Rutuja Vitthal	Rutuja
59.	Kudale Sakshi Sunil	Sakshi
60.	Majgaonkar Manali Mahadev	Manali
61.	Ladkat Hrushikesh Pandurang	Hrushikesh
62.	Date Mayuresh Sitaram	Mayuresh
63.	Shelke Ganesh Suresh	Ganesh
64.	Sewatkar Mansi Narhari	Mansi
65.	Chimte Manasi Ashok	Manasi
66.	Sambra Shivam Hemant	Shivam
67.	Suryawanshi Vaibhavi Ramesh	Vaibhavi



Criteria 7: Institutional Values and Best Practices



68.	Gite Roshani Suryabhan	Roshani
69.	Surwase Onkar Vishnu	Onkar
70.	Gaikwad Akash Angad	Akash
71.	Supe Akshay Ramdas	Akshay
72.	Shirsat Pranali Sanjay	Pranali
73.	Jachak Dhanashree Nitin	Dhanashree
74.	Bhongale Prasad Bharat	Prasad
75.	Jadhav Swaroopa Sanjay	Swarupa
76.	Gaikwad Siddhi Gulchand	Siddhi
77.	Nemmaniwar Abhishek Sunil	Abhishek
78.	Phapale Sanchit Prakash	Sanchit
79.	Gahiine Pritesh Namdev	Pritesh
80.	Rane Tejashree Satish	Tejashree
81.	Gavali Kartik Rajendra	Kartik
82.	Badhe Prathamesh Babanrao	Prathamesh
83.	Shete Shivhar Baswraj	Shivhar
84.	Pandit Neha Kishor	Neha
85.	Dyagatwar Milind Gangadhar	Milind
86.	Agalave Shravani Pandurang	Shravani
87.	Shinde Utkarsha Namdevrao	Utkarsha
88.	Dighe Shivani Appasaheb	Shivani
89.	Mane Rutuja Sanjay	Rutuja
90.	Pekamwar Mahesh Mukund	Mahesh
91.	Chavan Pooja Ramrao	Pooja
92.	Chavhan Ankush Laxman	Ankush
93.	Kalyan Akshay Devidas	Akshay
94.	Ahirrao Shraddha Anil	Shraddha
95.	Banakar Truptee Hiralal	Truptee
96.	Bajare Shruti Sanjay	Shruti
97.	Andhale Rahul Balasaheb	Rahul
98.	Chavan Dnyaneshwari Dasu	Dnyaneshwari
99.	Dhole Onkar Nishikant	Onkar
100.	Deokar Dipak Navnath	Dipak


Signature

NSS Programme Officer





3. Training to Non-teaching staff about waste management (2021-22)

P. E. Society's
Modern College of Pharmacy Nigdi-44

Supportive Staff/ Non-Teaching Training

Notice

Date: 8/10/2021


All Non-teaching staff/supportive staff of our college are hereby informed that, our college has organized trainings related to laboratory safety/ practical experimental work/Instruments handling etc, all must be present during the training session on given date and time, the details of training is as follows

Topic for training: Waste management

Place: MCOP, Nigdi, pune.

Date: 09/10/2021

Other Instruction if any: -


R.A. Tinturkar
Name & Sign of Trainers


HOD


Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Copy to

1. Academic section
2. Class teachers
3. Office
4. Circulation to all supportive staffs



Criteria 7: Institutional Values and Best Practices



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44

REPORT OF Supportive Staff/ Non-Teaching Training

1. Name of activity:	Supportive Staff/ Non-Teaching Training
2. Topic of training	Waste Management.
3. Date of activity	09/10/2021.
4. Total no Staff participated	12
5. Occasion of activity	supportive staff training.
6. Place of training	Modern College of pharmacy, Nigdi, pune...
7. Scope & Objectives of training	<ul style="list-style-type: none">- To protect student, staff and public health and safety by regulating Laboratory practices.- To create awareness among non-teaching staff regarding waste management.- monitoring + regulation of professional ethics.
8. Training given by	R.A. Jinturkar
9. Outcome of training	<ul style="list-style-type: none">- To understand different types of wastes & their disposal methods.- Pre-treatments of waste chemicals before disposal.- Importance of soak pit & designing it near laboratory.
10. Activity co-coordinator	Dr. Virthal V Chopade and Ms Shubhada Jagdale


R.A. Jinturkar.
Name & sign of Trainers




Principal
P.E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044



Criteria 7: Institutional Values and Best Practices



Photos of Training to Non-teaching staff about waste management dated 09/10/2021





P. E. Society's
Modern College of Pharmacy Nigdi-44

Supportive Staff/ Non-Teaching Training

Attendance during training

Topic for training: Waste management

Place: MCOP, Nigdi, Pune.

Date: 09/10/2021

Sr. No	Name of Supportive staff	Signature
1.	Pradnya Parash Nagarkar	
2.	Ankita K. Kamale	
3.	Anupama Mohite	
4.	Davangave Shradha Balaj	
5.	Mahendev. K.	
6.	Shubhangi Thakare	
7.	S-A. Tam	
8.	S.S. Shirke	
9.	Rupali V. Pawar	
10.	Aruna Narishchandra	
11.	Amol. Suker	
12.	Pramod Bahirat	

R.A. Jinturkar
Name & Sign of Trainers

HOD

Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





4. Training to Non-teaching staff about sterilization and microbial waste disposal

P. E. Society's
Modern College of Pharmacy Nigdi-44

Supportive Staff/ Non-Teaching Training

Notice

Date: 28/11/2021

All non-teaching staff/supportive staff of our college are hereby informed that, our college has organized trainings related to laboratory safety/ practical experimental work/Instruments handling etc. all must be present during the training session on given date and time, the details of training is as follows

Topic for training: Sterilization and Microbial waste disposal

Place: Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 44

Date: 29/12/2021

Other Instruction if any:

All non-teaching staff of pharmaceuticals department has been informed to be present in Pharmaceuticals laboratory 5 on 29/12/2021 (Friday) at 3.00 pm.

Name & Sign of Trainers

Dr. V. S. Desai

HOD

Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Copy to

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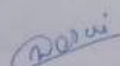


P. E. Society's

Modern College of Pharmacy, Nigdi, Pune-44

REPORT OF Supportive Staff/ Non-Teaching Training

1. Name of activity:	Supportive Staff/ Non-Teaching Training
2. Topic of training	Sterilization and microbial waste disposal
3. Date of activity	29/10/2021
4. Total no Staff participated	105
5. Occasion of activity	National Pharmacy Week
6. Place of training	Pharmaceutics Laboratory 4
7. Scope & Objectives of training	Enhancement of microbiological skills of nonteaching staff. Demonstration of 1. Wrapping of glasswares for autoclaving. 2. Microbiological waste disposal.
8. Training given by	Dr Ujwala Desai
9. Outcome of training	The practical hand of non teaching staff for handling different microbial cultures and disposal of microbiological waste was improved and enhanced by training session.
10. Activity co-coordinator	Dr. Vitthal V Chopade and Ms Shubhada Jagdale


Dr. U. S. Desai
Name & sign of trainer





Criteria 7: Institutional Values and Best Practices



Photos of Training to Non-teaching staff about sterilization and microbial waste disposal dated 29/10/2021

Photos of Activity



Dr. J. S. Desai
Name & sign of Trainers



Principal
Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044



P. E. Society's

Modern College of Pharmacy Nigdi-44

Supportive Staff/ Non-Teaching Training

Attendance during training

Topic for training: Sterilization and microbial waste disposal

Place: Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 44

Date: 29/10/2021

Sr. No	Name of Supportive staff	Signature
1)	Hulsure Rahul Narayan	
2)	Pawar Rupali Vikas	
3)	Nalawade S. P.	
4)	Sonjay B. Varde	
5)	Amol S. Sukke	

Name & Sign of Trainers

G. V. S. Senai

HOD

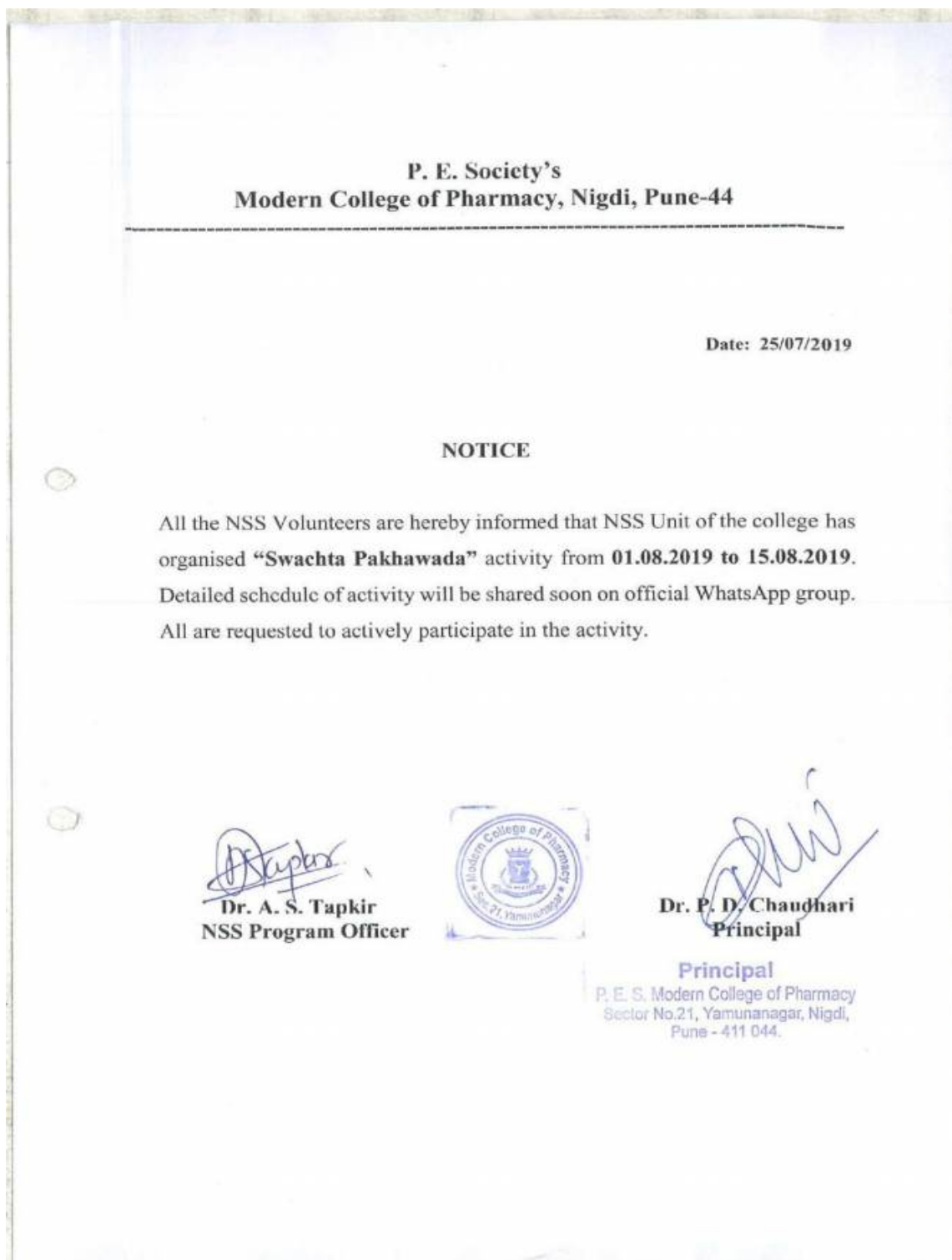
Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044





5. Swachhta Pakhawada (2019-20)





P. E. Society's Modern College of Pharmacy, Nigdi, Pune-44		
NSS REGULAR ACTIVITY REPORT 2019-20		
1.	Name of activity	Swachta Pakhawada
2.	Date of activity	01.08.2019 to 15.08.2019
3.	Time	10am to 05pm
4.	Total no students participate	100
5.	Occasion of activity	Swachta Pakhawada
6.	Inauguration by	Dr. P. D. Chaudhari, Principal, Modern College of Pharmacy, Nigdi, Pune.
7.	Place of activity	Modern College of Pharmacy, Nigdi, Pune.
8.	Objectives of activity	To clean labs, classrooms, common passage of college
9.	Outcome of activity	To create the importance of cleanliness amongs the students
10.	Activity co-coordinator	Dr. A. S. Tapkir

Photos of activity



Photos of Swachata Pakhawada dated 01/08/2019 to 15/08/2019

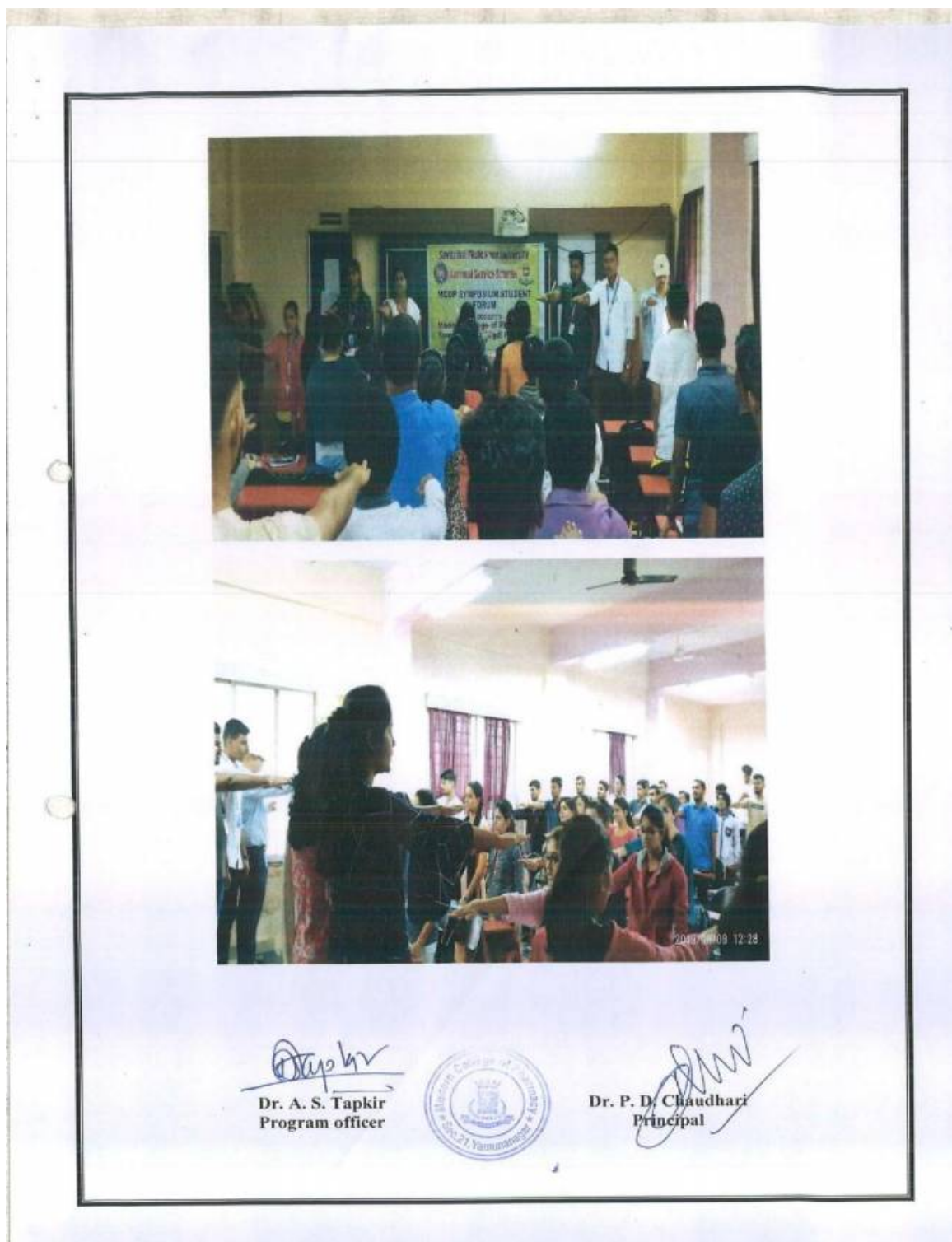


Photos of Swachata Pakhawada dated 01/08/2019 to 15/08/2019





Photos of Swachata Pakhawada dated 01/08/2019 to 15/08/2019





P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2019-2020

Name Of Activity: SwachtaPakhawada

Date of Activity: 01.08.2019 to 15.08.2019

Sr. No	Name of Student	Sign
1.	Kothari Vinay Nitinkumar	Vinay
2.	YeoleAkshay Ashok	Akshay
3.	NarwadeSwapnadeepNamdeo	Swapnadeep
4.	Thakare Vivek Vasant	Vivek
5.	PowarSayali Raju	Sayali
6.	Deshmukh Ketki Dinesh	Ketki
7.	More Mayur Satish	Mayur
8.	Pujari Suraj Shivaji	Suraj
9.	Gurav Tushar Sanjay	Tushar
10.	Kharsade Dnyaneshwar Vittal	Dnyaneshwar
11.	Pande Darshana Sudhakar	Darshana
12.	DhongadeJanhavi Satish	Janhavi
13.	Jadhav Nikita Yashwant	Nikita
14.	Mahadik Monika Sanjay	Monika
15.	Gujare Ashwini Gangadhar	Ashwini
16.	Pawar Sayali Suresh	Sayali
17.	MahadikIndrani Raman	Indrani
18.	Agarwal Saloni Manish	Saloni
19.	KarambelkarAaryaAvinash	Aarya
20.	Shinde Vaishali Rajkumar	Vaishali
21.	Ransing Vaishnavi Sunil	Vaishnavi
22.	Jadhav Gayatri Somanath	Gayatri
23.	Choudhary Bharti Jagdish	Bharti
24.	Amritkar Akanksha Praveen	Akanksha
25.	Abhang Siddhi Dnyaneshwar	Siddhi
26.	WaghPranjal Ashok	Pranjal
27.	HajarePratikshaKantilal	Pratiksha
28.	Choure Saurabh Kailas	Saurabh
29.	Deshpande Urvi Vijay	Urvi
30.	Shirke Disha Ajay	Disha





Criteria 7: Institutional Values and Best Practices



31.	Suryawanshi Pooja Prakash	P. Pooja
32.	Naykinde Sandhya	Sandhya
33.	Andre Rutuja Sunil	Andre
34.	Padale Neha Madan	N. Padale
35.	Shaikh Sufiyan Mohamadasslam	Sufiyan
36.	Pathan Ayesha Vinus	Pathan
37.	ThoratRutuja Mahesh	Rutuja
38.	Tantri Rashmi Raveendra	Rashmi
39.	SavaseBhagyashreeHaridas	Bhagyashree
40.	Chaudhari Sagar Rohidas	Sagar
41.	Tiwari Shruti Ashok	Shruti
42.	Richardson Charmine .	Charmine
43.	Sudrik Kranti Gorakh	Kranti
44.	Chavan Yash Dinesh	Yash
45.	Todkar Aniket Sunil	Aniket
46.	Hamdulay Yusra Rafiq	Yusra
47.	Dighe Trupti Eknath	Trupti
48.	Borole Samiksha Vishnu	Samiksha
49.	Taru Deepak Khandu	Deepak
50.	Rokade Manish Subhash	Manish
51.	HandeMaithil Dattatray	Maithil
52.	Shrivastav Kalyani Rahul	Kalyani
53.	SawkarRutuja Nitin	Rutuja
54.	Gaikwad Akash Angad	Akash
55.	Kale RushikeshHanmant	Rushikesh
56.	Ranaware Sunita Ramdas	Sunita
57.	GulhaneRiteeka Ravindra	Riteeka
58.	Gohil KhushabuBhikubhai	Khushabu
59.	Dhumal Neha Vinod	Neha
60.	Hame Shivani Sahadeo	Shivani
61.	ShirsatPranali Sanjay	Pranali
62.	Gatkal Kajal Baliram	Kajal
63.	Mate Dnyaneshwari Sandip	Dnyaneshwari
64.	Shinde ShivanjaliBhau	Shivanjali
65.	Raut Pratiksha Laxman	Pratiksha
66.	Patil Sayali Dipak	Sayali
67.	Sewatkar Mansi Narhari	Mansi
68.	Supe Akshay Ramdas	Akshay
69.	Barwad Naresh Ramakant	Naresh
70.	Chimte Manasi Ashok	Manasi
71.	Pawar Siddhant Deepak	Siddhant
72.	Bansode Nikhil Pramod	Nikhil
73.	Dhole Onkar Nishikant	Onkar
74.	Hage Vaibhav Ganesh	Vaibhav
75.	Khandagale Saakshi Suresh	Saakshi
76.	GiriRutujaVitthal	Rutuja





Criteria 7: Institutional Values and Best Practices



77.	Patil Shubham Mahadev	Shubham
78.	SambraShivam Hemant	Shivam
79.	Patil Dinesh Vasudeo	Dinesh
80.	Gaikwad Siddhi Gulchand	Siddhi
81.	JachakDhanashree Nitin	Dhanashree
82.	Gite RoshaniSuryabhan	Roshani
83.	Surwase Onkar Vishnu	Onkar
84.	BandukeMugdha Vikas	Mugdha
85.	SuryawanshiVaibhavi Ramesh	Vaibhavi
86.	Mande Tanvi Sanjay	Tanvi
87.	Date Mayuresh Sitaram	Mayuresh
88.	Khedekar Tejas Gulab	Tejas
89.	Nemmaniwar Abhishek Sunil	Abhishek
90.	Jadhav Swaroopa Sanjay	Swaroopa
91.	KalaskarSmitesh Narayan	Smitesh
92.	Shelke Ganesh Suresh	Ganesh
93.	Bhongale Prasad Bharat	Prasad
94.	PhapaleSanchit Prakash	Sanchit
95.	Gahiine Pritesh Namdev	Pritesh
96.	YedagePranita Sanjay	Pranita
97.	Ratnaparkhi Aniket Girishrao	Aniket
98.	Sawant Nitesh Shankar	Nitesh
99.	BandukeMugdha Vikas	Mugdha
100.	Mahajan Akshay Gopal	Akshay



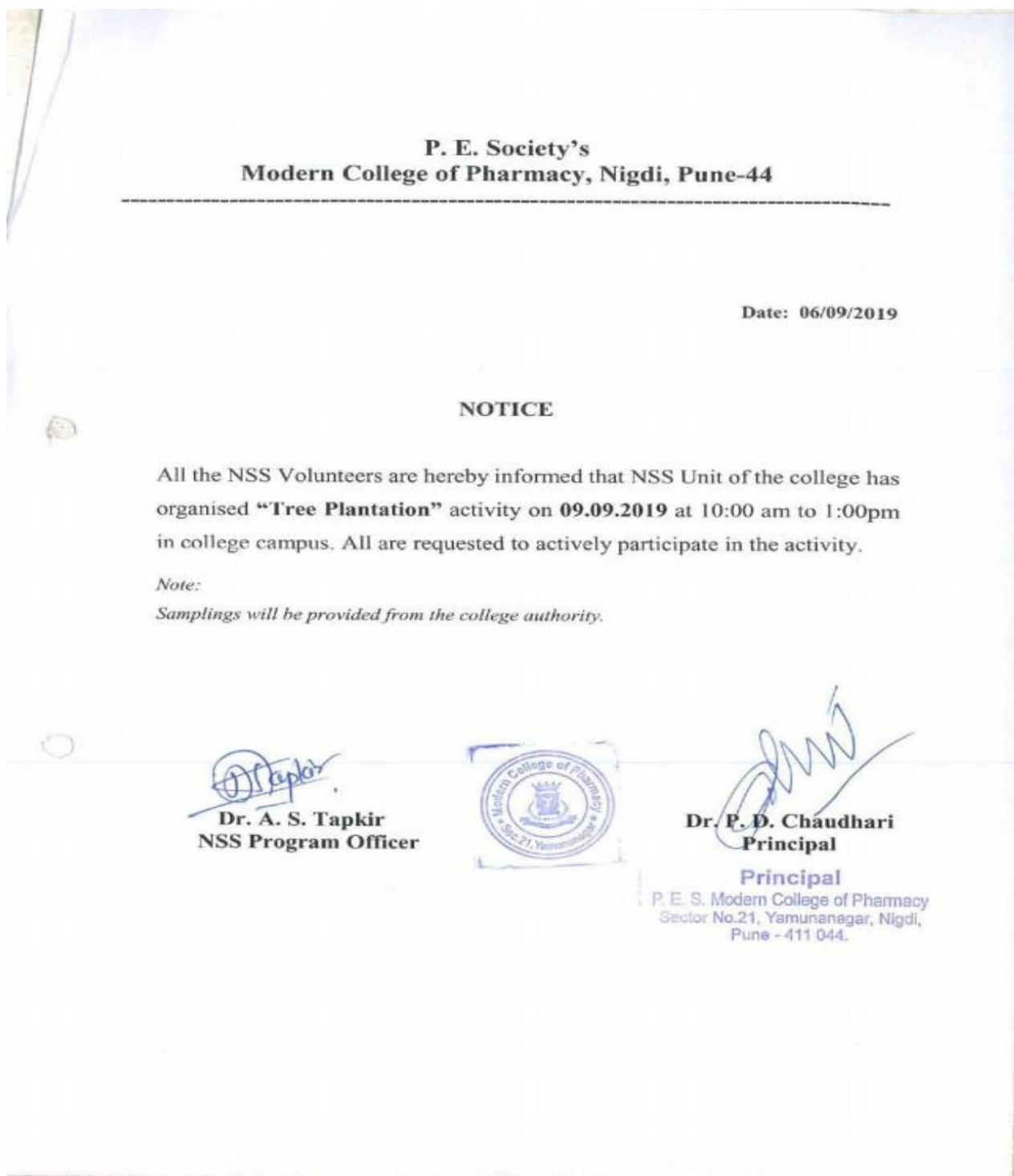
Signature

NSS Programme Officer





6. Tree Plantation (2019-20)





P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44

NSS REGULAR ACTIVITY REPORT 2019-20

1.	Name of activity	Tree Plantation
2.	Date of activity	09.09.2019
3.	Time	8.00 am 10.30 am
4.	Total no students participate	50
5.	Occasion of activity	--
6.	Inauguration by	Dr. P. D. Chaudhari, Principal, Modern College of Pharmacy, Nigdi, Pune.
7.	Place of activity	Modern College of Pharmacy, Nigdi, Pune.
8.	Aim of activity	Plantation
9.	Outcome of activity	Plantation was done successfully (Number of samplings planted: 50)
10.	Activity co-coordinator	Prof. Mr. A. S. Tapkir

Photos of activity



Photo of Tree Plantation dated 09/09/2019



Photo of Tree Plantation dated 09/09/2019





P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2019-2020


Name Of Activity: Tree Plantation


Date of Activity:

Sr. No	Name of Student	Sign
1.	Kothari Vinay Nitinkumar	Vinay
2.	Yeole Akshay Ashok	Akshay
3.	Narwade Swapnadeep Namdeo	Swapnadeep
4.	Thakare Vivek Vasant	Vivek
5.	Powar Sayali Raju	Sayali
6.	Deshmukh Ketki Dinesh	Ketki
7.	More Mayur Satish	Mayur
8.	Pujari Suraj Shivaji	Suraj
9.	Gurav Tushar Sanjay	Tushar
10.	Kharsade Dnyaneshwar Vittal	Dnyaneshwar
11.	Pande Darshana Sudhakar	Darshana
12.	Dhonge Janhavi Satish	Janhavi
13.	Jadhav Nikita Yashwant	Nikita
14.	Mahadik Monika Sanjay	Monika
15.	Gujare Ashwini Gangadhar	Ashwini
16.	Pawar Sayali Suresh	Sayali
17.	Mahadik Indrani Raman	Indrani
18.	Agarwal Saloni Manish	Saloni
19.	Karambelkar Arya Avinash	Arya
20.	Shinde Vaishali Rajkumar	Vaishali
21.	Ransing Vaishnavi Sunil	Vaishnavi
22.	Jadhav Gayatri Somanath	Gayatri
23.	Choudhary Bharti Jagdish	Bharti
24.	Amritkar Akanksha Praveen	Akanksha
25.	Abhang Siddhi Dnyaneshwar	Siddhi
26.	Wagh Pranjal Ashok	Pranjal
27.	Hajare Pratiksha Kantilal	Pratiksha



7. Save water save environment Camp (2018-19)

 Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314
E-mail: mcpnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council


Date: 09/03/2019

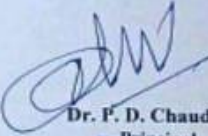
NOTICE

All the B.Pharm students of Modern College of Pharmacy, Nigdi Pune are hereby informed that our college will be organizing **save water save environment camp on 12/03/2019**. Interested students can compulsorily report to NSS office at 10.00am.

Date: 12.03.2019
Time: 10:00 am to 12:00 pm
Venue: Modern college of Pharmacy, Nigdi Pune.

Note:
Breakfast will be provided by college.
Students must carry the ID card for the program.




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2018-2019

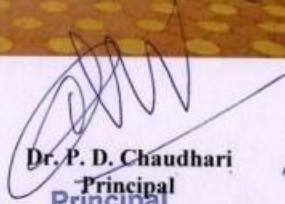
1.	Name of activity	Save water save environment camp-wall paintings for giving message to save water and environment.
2.	Date of activity	12/03/2019
3.	Time	10AM -12PM
4.	Total no students participate	50
5.	Occasion of activity	NSS activity
6.	Inauguration by	Dr. Amit Tapkir
7.	Place of activity	Modern college of Pharmacy, Nigdi, Pune
8.	Objectives of activity	To increase awareness of students about the saving water and securing the environment.
9.	Outcome of activity	Student understood the role of each human being to save water and environment
10.	Activity co-coordinator	Dr. Amit Tapkir

Photos of activity




Dr. Amit Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Criteria 7: Institutional Values and Best Practices



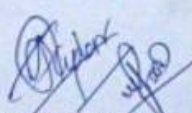
**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
National Service Scheme 2018-19**

Name of Activity: Save Water Save Environment Campaign

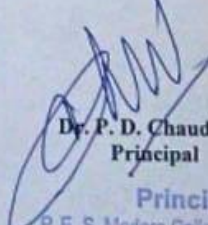
Place: PES, Modern College of Pharmacy, Nigdi, Pune-44

Date: 12/03/2019

Sr. No.	Name of student	Signature
1.	Choudhary Sandeep Kukaram	
2.	Jadhav Mayuresh Nandkumar	
3.	Chinchole Swapnil	
4.	Gawade Sonali Bhalchandra	
5.	Khamkar Pooja Manohar	
6.	Patil Lokesh Gopal	
7.	Mekhe Aniket Rajendra	
8.	Shinde Sneha Rajendra	
9.	Shirude Snehal Sunil	
10.	Shah Ankita Harshavardhan	
11.	Pawar Anagha Satish	
12.	Wagh Anupa Dnyaneshwar	
13.	Sabana Khatun	
14.	Sathe Rahul Shivaji	
15.	Vanarote Omkar Nagesh	
16.	Takawle Mayuresh Vijaykumar	
17.	Sonawane Pratiksha Devidas	
18.	Nimbalkar Omkar Sanjay	
19.	Uttarkar Manasi Mannoji	
20.	Darshana Pandit	


Prof. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer






Dr. P. D. Chaudhari
Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.



8. Tree Plantation 2018-19



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314
E-mail: mcpnigdi44@gmail.com Website: www.mcp.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal	Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council
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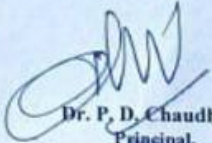

Date: 28/07/2018

NOTICE

All the B.Pharm students of Modern College of Pharmacy, Nigdi Pune are hereby informed that our college will be organizing **Tree plantation activity in college campus on 07.8.2018**. Interested students can compulsorily report to NSS office at 10.00am.

Date: 07.08.2018
Time: 10:00 am to 5:00 pm
Venue: Modern college of Pharmacy, Nigdi Pune.

Note:
Breakfast will be provided by college.
Students must carry the ID card for the program.



Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER



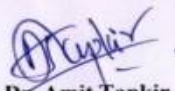
**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2018-2019

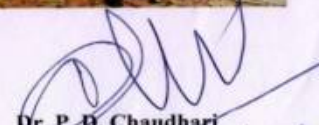
1.	Name of activity	Tree Plantation
2.	Date of activity	07/08/2018
3.	Time	10AM –11AM
4.	Total no students participate	100
5.	Occasion of activity	NSS activity
6.	Inauguration by	Dr. Amit Tapkir
7.	Place of activity	Modern college of Pharmacy, Nigdi, Pune
8.	Objectives of activity	To make the students aware about the tree plantation.. To make the premises green.
9.	Outcome of activity	Students got idea how to do tree plantation and importance of tree plantation for our forest Eco system.
10.	Activity co-coordinator	Dr. Amit Tapkir

Photos of activity




Dr. Amit Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Criteria 7: Institutional Values and Best Practices



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
National Service Scheme 2018-19**

Name of Activity: Tree Plantation

Place: PES, Modern College of Pharmacy, Nigdi, Pune-44

Date: 07/08/2018

Sr. No.	Name of student	Signature
1.	Choudhary Sandeep Kukaram	<i>Choudhary</i>
2.	Jadhav Mayuresh Nandkumar	<i>Jadhav</i>
3.	Chinchole Swapnil	<i>Chinchole</i>
4.	Gawade Sonali Bhalchandra	<i>Sonali</i>
5.	Khamkar Pooja Manohar	<i>Pooja</i>
6.	Patil Lokesh Gopal	<i>Patil</i>
7.	Mekhe Aniket Rajendra	<i>Aniket mekhe</i>
8.	Shinde Sneha Rajendra	<i>Sneha</i>
9.	Shirude Snehal Sunil	<i>S.</i>
10.	Shah Ankita Harshavardhan	<i>Ankita</i>
11.	Pawar Anagha Satish	<i>AS pawar</i>
12.	Wagh Anupa Dnyaneshwar	<i>Anupa</i>
13.	Sabana Khatun	<i>Khatun</i>
14.	Sathe Rahul Shivaji	<i>Rahul Sathe</i>
15.	Vanarote Omkar Nagesh	<i>Omkar</i>
16.	Takawle Mayuresh Vijaykumar	<i>Mayuresh Takawle</i>
17.	Sonawane Pratiksha Devidas	<i>Sonawane</i>
18.	Nimbalkar Omkar Sanjay	<i>Nimbalkar</i>
19.	Uttarkar Manasi Mannoji	<i>Manasi</i>
20.	Darshana Pandit	<i>Darshana</i>

[Signature]
Prof. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer



[Signature]
Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Integration in curriculum

Introduction of Environmental sciences subject for B. Pharm and Pharm D. students: Institute has offered educational program focused on the environment, such as environmental science subject in the curriculum of B. Pharm and Pharm D students

Item No.1: To introduce/add environmental studies subject in Second Year Pharm D. as per guidelines of UGC and PCI and to implement syllabus and evaluation pattern led down by UGC/SPPU for environmental studies.

With reference to Circular No.266/2020 dated 05/10/2020, It was unanimously decided that environmental studies subject should be introduced as compulsory subject in Second Year Pharm D. as per UGC guidelines and syllabus and evaluation pattern led down by UGC & SPPU should be implemented as follows. It will be effective from academic year 2021-22.

**Syllabus for Ability Enhancement Compulsory Course
(AECC – Environment Studies) for under graduate
(For Second Year Pharm D)
It is as per UGC guidelines and framing**

Unit 1 : Introduction to environmental studies • Multidisciplinary nature of environmental studies; • Scope and importance; Concept of sustainability and sustainable development. (2 lectures)



[Signature]
Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044



Unit 2 : Ecosystems • What is an ecosystem? Structure and function of ecosystem ; Energy flow in an ecosystem : food chains, food webs and ecological succession. Case studies of the following ecosystems : a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) (3 lectures)

Unit 3 : Natural Resources : Renewable and Non-renewable Resources • Land resources and land use change; Land degradation, soil erosion and desertification. • Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. • Water : Use and over-exploitation of surface and ground water, floods, droughts conflicts over water (international & inter-state). • Energy resources : Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies. (10 lectures)

Unit 4 : Biodiversity and Conservation • Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots • India as a mega-biodiversity nation; Endangered and endemic species of India • Threats to biodiversity : Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity. • Ecosystem and biodiversity services : Ecological, economic, social, ethical, aesthetic and Informational value. (10 lectures)

Unit 5 : Environmental Pollution • Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution • Nuclear hazards and human health risks • Solid waste management : Control measures of urban and industrial waste. • Pollution case studies. (10 lectures)

Unit 6 : Environmental Policies & Practices • Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture • Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD). • Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context. (10 lectures)

Unit 7 : Human Communities and the Environment • Human population growth: Impacts on environment, human health and welfare. • Resettlement and rehabilitation of project affected persons; case studies. • Disaster management : floods, earthquake, cyclones and landslides. • Environmental movements : Chipko, Silent valley, Bishnois of Rajasthan. • Environmental ethics: Role of



[Signature]
Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044



Indian and other religions and cultures in environmental conservation. • Environmental communication and public awareness, case studies (e.g. CNG vehicles in Delhi): (5 lectures) –

Unit 8 : Field work

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification. .
- Study of simple ecosystems-pond, river, Delhi Ridge, etc. (Equal to 5 lectures)

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[Signature]
Principal
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Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044

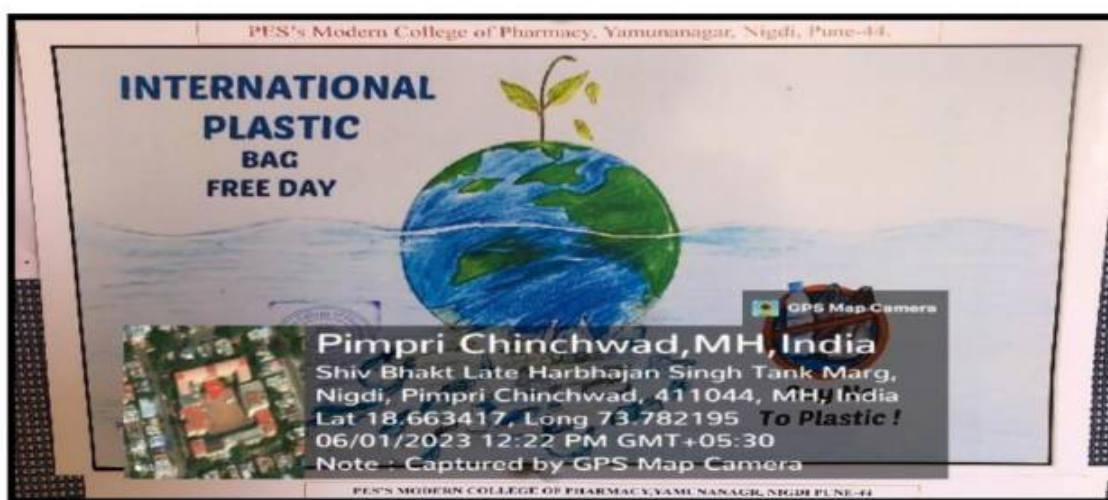


Other measures as Clean and Green campus initiatives

Complete ban on plastic in campus.

The college is committed to make the campus plastic-free and environmentally friendly. Our institute has a MOU with the Environmental Conservation Association (ECA) to promote various environment awareness activities and programs. We have sign boards in our campus displaying ban on use of plastic materials.

Display of poster creating awareness of plastic free campus on Notice Board



Signage of Plastic Free Campus





Landscaping with trees and planter

Restricted entry of vehicles



CNG Bus





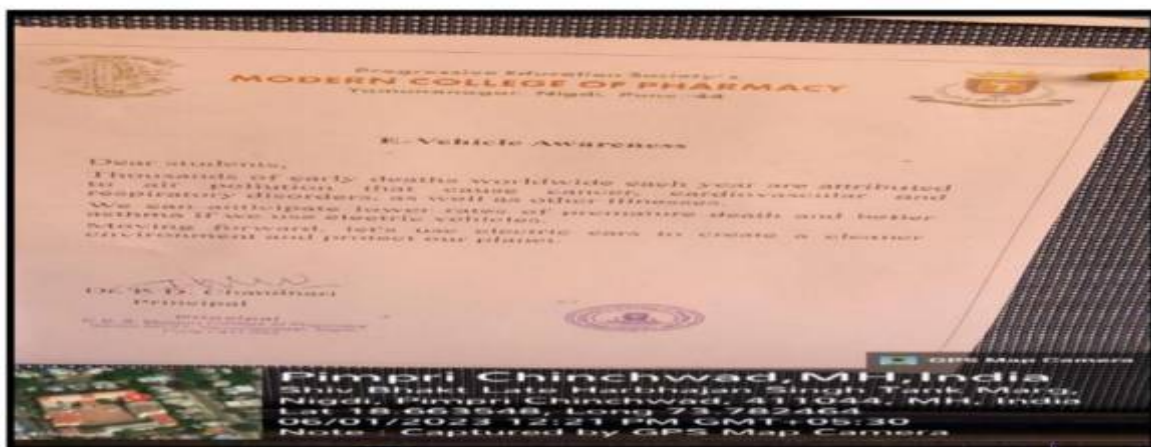
No Smoking Campus

Institute is completely free from smoke and tobacco, smoking and chewing of tobacco is strictly prohibited in the college.

Display of Notice (No Smoking Campus Signage)



Display of Notice (E-vehicle awareness)



[Signature]
Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044



Solid Waste Management

Waste is collected on a daily basis from various sources and colour coded dustbins are used for different types of wastes. Students and staff are educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus.



Liquid Waste Management:

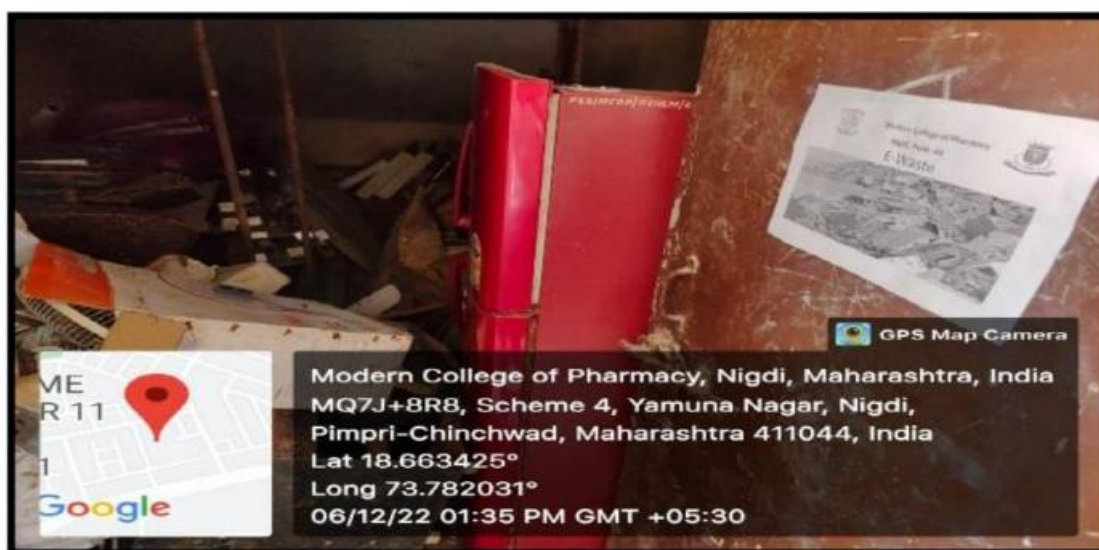
Soak Pit: Waste water generated during the practicals in chemistry laboratory is discharged into specially designed soak pit. Soak pit contains porous layers of bricks, graded stones, sand that helps to treat the waste water and allows treated water to soak into the ground.





E-waste Management: Old monitors and CPUs are repaired by our technician and reused. The institute has MOU with the ECA (Environment Conservation Association) an NGO working in Pune and PCMC. Institute has tie ups with the local municipal corporation (PCMC) and in support with them institute manages the solid and liquid waste and hazardous chemicals waste management.

E-Waste Management




Biomedical Waste Management: The institute have a tie up with PASSCO environmental solutions, Pimpri which is managed by Pimpri-Chinchwad Municipal Corporation. We follow the waste disposal procedure as per the norms of PASSCO. For the disposal of biological waste, we use 2 types of the bags i.e., red biohazard bag and yellow biohazard bag. Red biohazard bags are used to collect anatomical waste including human body fluids like semen, saliva, tissues, organs and animal carcasses. Yellow biohazard bags are used to dispose of clinical waste like swabs, dressings, tissues, soiled gloves and aprons. These wastes collected from the college were further processed by PASSCO.





Biomedical Waste Management





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Biomedical Waste Management




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Yamunanagar Sector No 2nd
Nigdi, Pune-411044



Outcome of all clean and green campus initiatives.

7.1.3: Certificates of Awards received from recognized agency.

P.E.S. Modern College of Pharmacy is recipient of an award from VM EDUlife. VM EDUlife is an ISO 9001:2015 certified Company, it is an industry associate of SCGJ, India. Also, it is an Official Member of NASSCOM. It is a cloud-based learning platform provider for various educational institutions. This organization has awarded P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 to honor the valuable contribution towards implementation of online platform which contributes for sustaining greener nation.

This certificate of award is given for academic year 2022-23 as a continuation with previous award for the year 2016-21.

This is greatest outcome of all clean and green campus initiative.



Certificate of award by VM EDULife (2022-2023):





Certificate of award by VM EDULife (2016-2021)

Certificate of Awards: Recognition by Vm EDULife





**7.1.3: Report on Environmental
Promotional activities conducted
beyond the campus with geo tagged
photographs**



7.1.3 Report On Environmental Promotional Activities Beyond Campus During 2018-19 To 2022-23.

P.E.S. Modern College of Pharmacy has always taken efforts to raise awareness, promote sustainability, and address environmental challenges within our institute and community at large. Institute helps to educate the students and public about environmental issues, such as pollution, deforestation, save water, cleanliness etc. To achieve the same, institute has participated, organized and conducted various campaigns like Gram Swachhata Abhiyaan, Swachha Bharat Abhiyaan, Samartha Bharat Abhiyaan, Water conservation drive, Clean India Camp, Mazi Vasundhara Abhiyaan, etc. As 'Save water' initiative, institute has organized national level webinar for the community on the topic 'Catch the Rain' featuring expert speakers and researchers in collaboration with Ministry of Youth and Sports Govt. of India. In this webinar our faculty member Dr. Bhushan Pimple, (Head, Pharmacognosy dept) talked on the necessity of awareness among the people about Rain Water Harvesting and Save Water campaign. Institute have organized public events, such as Clean Campaigns and Tree-plantation initiatives, to engage the community and encourage their active participation in environmental conservation efforts. The following report outlines the environment promotional activities undertaken by Modern College of Pharmacy, Nigdi, Pune during the period [2018-19 to 2022-23].

INDEX

A.Y.	Sr. No	Title of environmental promotional Activities
Summary		
2022-23	1	Alandi river cleaning drive
	2	Tree plantation activity on Bhandara hills
	3	Tree plantation activity on Durga Tekdi on occasion of Pharmacist day
	4	Tree plantation and cleaning activity at Jambhawade village.
	5	Plastic collection drive at Yamuna Nagar
	6	Public awareness rally and swachhabharatabhiyaan
2021-22	7	“Catch the Rain” national level webinar



Criteria 7: Institutional Values and Best Practices



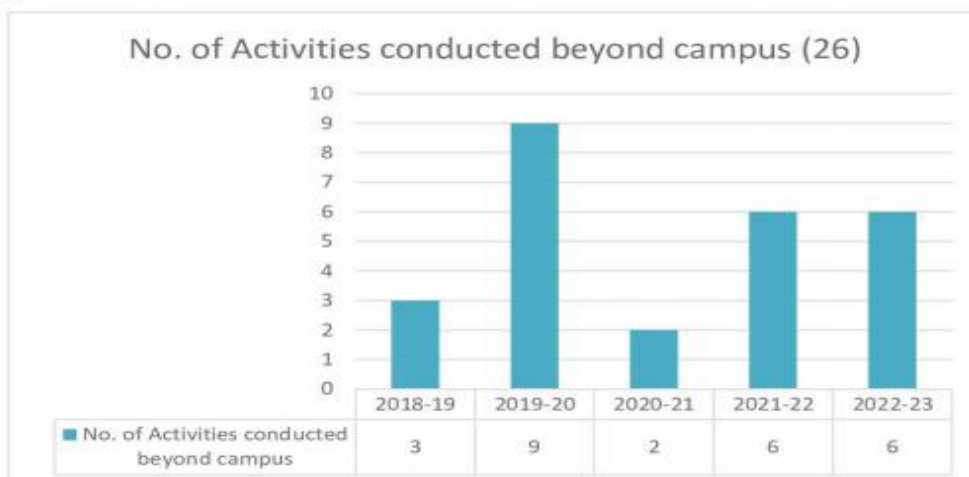
	8	Mazi vasundhara Abhiyaan
	9	Gram Swachhta Abhiyaan
	10	Tree plantation at Jambavade Village
	11	Water and Soil analysis
	12	University level Nature conservation camp
2020-21	13	Tree plantation
	14	Swachha bharat abhiyaan- cleaning campaign
2019-20	15	World record participation: Tree plantation in the “Palakhi Marg”
	16	Swachhawari-swasthawari- nirmalwari-haritwariAbhiyaan- leaf patraivalivatap
	17	Save water (Ganesh idols donation and Nirmalya collection activity)
	18	Swachh bharatabhiyan Cleaning campaign MoryaGosaviMandir
	19	Clean India Awareness rally
	20	Gram SwachhtaAbhiyaan
	21	Tree plantation
	22	Sinhagadh Fort cleaning camp
	23	Swachha Bharat Abhiyaan- Ratangadh, Kalsubai camp
2018-19	24	Gram swachhataAbhiyaan
	25	Plastic free India, Samartha Bharat Abhiyaan
	26	Street play :swachha Bharat
Total 26 Environmental Promotional Activities.		
Sustainable Practices		



SUMMARY OF ENVIRONMENTAL PROMOTIONAL ACTIVITIES BEYOND CAMPUS

REPORT ON ENVIRONMENTAL PROMOTIONAL ACTIVITIES BEYOND CAMPUS DURING 2018-19 to 2022-23.

Modern College of Pharmacy has always taken efforts to raise awareness, promote sustainability, and address environmental challenges within our institute and community at large. Institute helps to educate the students and public about environmental issues, such as pollution, deforestation, save water, cleanliness etc. To achieve the same, institute has participated, organized and conducted various campaigns like Gram Swachhata Abhiyaan, Swachha Bharat Abhiyaan, Samarth Bharat Abhiyaan, Water conservation drive, Clean India Camp, Mazi Vasundhara Abhiyaan, etc. As 'Save water' initiative institute has organized national level webinar for the community on the topic 'Catch the Rain' featuring expert speakers and researchers in collaboration with Ministry of Youth and Sports Govt. of India. In this webinar our faculty member Dr. Bhushan Pimple, (Head, Pharmacognosy dept) talked on the necessity of awareness among the people about Rain Water Harvesting and Save Water campaign. Institute have organized public events, such as Clean Campaigns and Tree-plantation initiatives, to engage the community and encourage their active participation in environmental conservation efforts. The following report outlines the environment promotional activities undertaken by Modern College of Pharmacy, Nigdi, Pune during the period [2018-19 to 2022-23].



[Signature]
Principal
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Yamunanagar Sector No 2
Nigdi, Pune-411044




Criteria 7: Institutional Values and Best Practices



A.Y.	Sr. No	Title of environmental promotional Activities
<u>Summary</u>		
<u>2022-23</u>	1	Alandi river cleaning drive
	2	Tree plantation activity on Bhandara hills
	3	Tree plantation activity on Durga Tekdi on occasion of Pharmacist day
	4	Tree plantation and cleaning activity at Jambhawade village.
	5	Plastic collection drive
	6	Public awareness rally and swachha bharat abhiyaan
<u>2021-22</u>	7	“Catch the Rain” national level webinar
	8	Mazi vasundhara Abhiyaan
	9	Gram SwachhtaAbhiyaan
	10	Tree plantationat Jambavade Village
	11	Water and Soil analysis
	12	University level Nature conservation camp
<u>2020-21</u>	13	Tree plantation
	14	Swachha bharat abhiyaan- cleaning campaign
<u>2019-20</u>	15	World record participation: Tree plantation in the “Palakhi Marg”
	16	Swachhawari-swasthawari- nirmalwari-haritwariAbhiyaan- leaf patravalivatap
	17	Save water (Ganesh idols donation and Nirmalya collection activity)
	18	Swachh bharatabhiyan Cleaning campaign MoryaGosaviMandir
	19	Clean India Awareness rally
	20	Gram SwachhtaAbhiyaan
	21	Tree plantation
	22	Sinhagadh Fort cleaning camp
	23	Swachha Bharat Abhiyaan- Ratangadh, Kalsubai camp
	24	Gram swachhataAbhiyaan
<u>2018-19</u>	25	Plastic free india, Samartha Bharat Abhiyaan
	26	Street play :swachha Bharat
Total 26 Environmental Promotional Activities.		
<u>Sustainable Practices</u>		




Principal
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AWARENESS CAMPAIGN

2022-23



1. Alandi river cleaning drive Report:



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Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

<p>Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal</p>	<p>Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council</p>
--	---

Date: 15/06/2022

NOTICE

All the B. Pharm and Pharm. D students of Modern College of Pharmacy, Nigdi, Pune are hereby informed that our college will be organizing Alandi River cleaning drive on 22.06.2022 at Shree Sant Dnyaneshwar Mandir Alandi Maharashtra – 412105. Interested students can give their names to Mr. R. M. Gurav on 20.06.2022. Interested students should compulsorily report to NSS office at 8.15am.

Date: 22.06.2022

Time: 10:00 am to 5:00 pm

Venue: Shree Sant Dnyaneshwar Mandir Alandi Maharashtra – 412105.

Note:

Breakfast will be provided by college.

Students must carry the ID card for the program.

For more updates follow the official Facebook & Instagram Account of MCOP Nigdi






[Signature]
Principal
P.E. Society's
Modern College of Pharmacy
Yamunanagar Sector No 2
Nigdi, Pune-411044

Dr. P. D. Chaudhari
Principal

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**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2022-2023

1.	Name of activity	Alandi River cleaning Drive
2.	Date of activity	22. 06 .2022
3.	Time	10AM -1 PM
4.	Total no students participate	30
5.	Occasion of activity	Alandi Yatra
6.	Inauguration by	Mr. Amit Tapkir
7.	Place of activity	Shree Sant Dnyaneshwar Mandir Alandi Maharashtra – 412105.
8.	Objectives of activity	To clean the premises of Alandi. To make the students aware about the clean environments importance near temple premises. To help out temples sweepers
9.	Outcome of activity	Alandi Premises has been free from unwanted dusty materials and students got idea regarding importance of cleaning activity to keep good environment.
10.	Activity co-coordinator	Mr. Amit Tapkir Mr. R.M.Gurav.






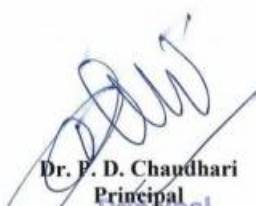
Photos of Alandi River cleaning Drive dated 22/06/2022

Photos of activity




Mr. R.M. Gurav
NSS Program officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

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30

**P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
NSS Regular Activity Report 2022-23**

Name of Activity: Alandi Bank of River Cleaning Activity Drive

Date & Time: 22/06/2022, 9:00 am to 12:00 pm


Venue: Alandi, Khed, Pune


Sr. No.	Name of Student	Class	Signature
i)	Rohit Baheti	Third year	
ii)	Shadab Shaikh	T.Y. B.Pharm	
iii)	Sanika Anand Shelar	T.Y. B.Pharm	
iv)	Vidya Chaudhari	T.Y.	
v)	Siddhi Chavan	T.Y.	
vi)	Aditya Kasar	T.Y.	
vii)	Bhumika Bhole	T.Y.	
viii)	Abhishek Shendunkar	T.Y.	
ix)	Srushti Phand	T.Y.	
x)	Srujan Phasale	T.Y.	
xi)	Pranav Jadhav	T.Y.	
xii)	Gaurav Kela	T.Y.	
xiii)	Sayali Shinde	T.Y.	
xiv)	Swaphali Shedge	T.Y.	
xv)	Rajesh Gulle	T.Y.	
xvi)	Aditi Bonde	T.Y.	
xvii)	Harshda Kamthe	T.Y.	
xviii)	Deepthi Gungaj	T.Y.	
xix)	Rashmi Dharmake	T.Y. B.Pharm	
xx)	Sakshi Palve	T.Y.	
xxi)	Abhinav Thorat	T.Y.	
xxii)	Sohan Bharambe	T.Y.	
xxiii)	Draksh Jadhav	T.Y.	
xxiv)	Vikas Gore	T.Y.	
xxv)	Sarvesh Kulkarni	T.Y. B.Pharm	





2. Tree plantation activity at Bhandara Hills Report:

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 2

Approved by All India Council for Technical Education, New Delhi; Pharmacy Council of India, New Delhi;
Directorate of Technical Education, Mumbai (M5), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956
Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314
E-mail: mcopnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council


Date: 18/07/2022


NOTICE

All the B.Pharm, and Pharm.D students of Modern College of Pharmacy, Nigdi Pune are hereby informed that our college will be organizing Tree plantation activity on 22.07.2022 at Bhandara Hills Dehu Pune Maharashtra 410507. Interested students can give their names to Mr. R.M.Gurav on 19.07.2022. College bus will be departing sharp at 8.30 am for Tree plantation. Interested students can compulsorily report to NSS office at 8.15am.

Date: 22.07.2022
Time: 10:00 am to 5:00 pm
Venue: Bhandara Hills Dehu Pune Maharashtra 410507.

Note:
Breakfast will be provided by college.
Students must carry the ID card for the program.
For more updates follow the official Facebook & Instagram Account of MCOP Nigdi




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

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**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2022-2023

1.	Name of activity	Tree Plantation activity on Bhandara Hills.
2.	Date of activity	22.07.2022
3.	Time	10AM - 5PM
4.	Total no students participate	35
5.	Occasion of activity	NSS activity
6.	Inauguration by	Mr. Amit Tapkir
7.	Place of activity	Bhanara Hills Dehe Pune Maharashtra 410507.
8.	Objectives of activity	To clean the Bhandara hill premises or Destruction of unwanted weeds and to row the seeds for plant growth. To make the students aware about the tree plantation on hills. To make the premises green.
9.	Outcome of activity	Premises of Bhandara hills is free from unwanted weeds and students got idea how to do tree plantation and importance of tree plantation for our foresteco system.
10.	Activity co-coordinator	Mr. Amit Tapkir. Mr. R.M.Gurav.





Photos of Tree plantation activity at Bhandara Hills dated 22/07/2022

Photos of activity





Mr. R.M. Gurav
NSS Program officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044





Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
NSS Regular Activity Report 2022-23

Name of Activity: Tree Plantation Activity at Bhandara Hills

Date & Time: 22/07/2022, 8:00 am to 12:00 pm

Venue: Jambawade, Maval, Pune

Sr. No.	Name of Student	Class	Signature
1	Rohit Baheti	Third Year	
2	Shadeb Shaikh	T.Y.B.Pharm	
3	Sanika Anand Shelar	T.Y.B.Pharm	
4	Aditya Kasar	T.Y.B.Pharm	
5	Srushti Phand	T.Y.B.Pharm	
6	Vidya Chaudhari	T.Y.B.Pharm	
7	Abhishek Shendulkar	T.Y.B.Pharm	
8	Bhumika Bhale	T.Y.B.Pharm	
9	Siddhi Chavan	T.Y.B.Pharm	
10	Shivam Phasale	T.Y.B.Pharm	
11	Sohan Bharambe	T.Y.B.Pharm	
12	Pranav Jadhav	T.Y.B.Pharm	
13	Gaurav Ikela	T.Y.B.Pharm	
14	Rajesh Ghute	T.Y.B.Pharm	
15	Sayani Shinde	T.Y.B.Pharm	
16	Swapnali Shedge	T.Y.B.Pharm	
17	Aditi Bonde	T.Y.B.Pharm	
18	Harshda Kamthe	T.Y.B.Pharm	
19	Sarvesh Kulkarni	T.Y.B.Pharm	
20	Omkar Jadhav	T.Y.B.Pharm	
21	Gore Vikas	T.Y.B.Pharm	
22	Rashmi Phamate	T.Y.B.Pharm	
23	Ajith Saini	T.Y.B.Pharm	
24	Atkar Tadla	T.Y.B.Pharm	
25	Wanajakashish Kulkarni	T.Y.B.Pharm	





Criteria 7: Institutional Values and Best Practices



Sr. No.	Name of Student	Class	Signature
26	Prathamesh Penzade	T.Y.B.Pharm	
27	Sakshi Pawe	T.Y	
28	Abhinav Phoshat	T.Y	
29	Akash Pawar	T.Y	
30	Ankita Khair	T.Y	
31	Aditya Babhalkar	T.Y.B.Pharm	
32	Neha Newse	T.Y.B.Pharm	
33	Vaishnavi More	T.Y	
34	Prenapathi	T.Y	
35	Pratham Pawar	T.Y.B.Pharm	
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Tree Plantation Activity at Bhandara Hills


Dr. R. B. Mali
NSS Program Officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044




Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yashwanagar, Nigdi,
Pune - 411 044.



3. Tree plantation on Durga tekadi on occasion of Pharmacist day Report:



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Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council


Date: 20/09/2022


NOTICE

All the B.Pharm, and Pharm.D students of Modern College of Pharmacy, Nigdi Pune are hereby informed that our college will be organizing Tree plantation activity on the occasion of Pharmacist Day at Bhakati-Shakati, Durga Tekadi Nigdi Pune, Maharashtra 411044. Interested students can give their names to Mr. R.M.Gurav on 23.07.2022. Interested students can compulsorily report to NSS office at 9.15am.

Date: 25.09.2022
Time: 10:00 am to 2:00 pm
Venue: Bhakati Shakati-Durga Tekadi Nigdi Pune, Maharashtra 411044

Note:
Breakfast will be provided by college.
Students must carry the ID card for the program.
For more updates follow the official Facebook & Instagram Account of MCOP Nigdi




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

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**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2022-2023

1.	Name of activity	Tree Plantation on the occasion of Pharmacist Day
2.	Date of activity	25.09.2022
3.	Time	10 AM - 1PM
4.	Total no students participate	50
5.	Occasion of activity	Pharmacist Day
6.	Inauguration by	Dr. Vitthal Chopade
7.	Place of activity	Bhakati Shakati-Durga Tekadi Nigdi Pune, Maharashtra 411044.
8.	Objectives of activity	To clean the durga hills premises or Destruction of unwanted weeds and to row the seeds for plant growth. To make the students aware about the tree plantation on hills. To make the premises green.
9.	Outcome of activity	Premises of durga hills is free from unwanted weeds and students got idea how to do tree plantation and importance of tree plantation for our foresteco system.
10.	Activity co-coordinator	Mr. R.M.Gurav. Ms. P.V.Bagade.





Photos of Tree plantation on Durga tekadi on occasion of Pharmacist day dated 25/09/2022





06

P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
NSS Regular Activity Report 2022-23

Name of Activity: Tree Plantation on the occasion of Pharmacist Day

Date & Time: 25/09/2022, 10:00 am to 01:00 pm

Venue: Durga Tekadi, Nigdi

Sr. No.	Name of Student	Class	Signature
1	Rohit Anil Baheti	T.Y.B.Pharm	
2	Shadeb Shaikh	T.Y.B.Pharm	
3	Sanika Anand Shelar	T.Y.B.Pharm	
4	Aditya Kusar	T.Y.B.Pharm	
5	Vidya Chaudhari	T.Y.B.Pharm	
6	Shrush Phand	T.Y.B.Pharm	
7	Abhishek Shendulkar	T.Y.B.Pharm	
8	Siddhi Chavan	T.Y.B.Pharm	
9	Bhumika Phole	T.Y.B.Pharm	
10	Shivam Phasale	T.Y.B.Pharm	
11	Sakshi Pale	T.Y.B.Pharm	
12	Abhinav Thorat	T.Y.B.Pharm	
13	Dhruv Pail	T.Y.	
14	Gautami Khinwasale	T.Y.	
15	Rashmi Phasale	T.Y.B.Pharm	
16	Dipak Bhande	T.Y.B.Pharm	
17	Sohan Bhosale	T.Y.B.Pharm	
18	Peepki Gunjal	T.Y.	
19	Harshda Kamthia	T.Y.	
20	Neha Vijay Narse	T.Y.	
21	Vaishnavi More	T.Y.	
22	Sayali Shinde	T.Y.	
23	Harshikesh Nikam	T.Y.	
24	Purva M. K	T.Y.	
25	Pranav Jadhav	T.Y.	





Criteria 7: Institutional Values and Best Practices



Sr. No.	Name of Student	Class	Signature
26	Gaurav Kela	T.Y	
27	Utkarsha Patil	Final Year	
28	Swapnali Shedge	T.Y	
29	Aditi Bonde	T.Y	
30	Omkar Jadhav	T.Y	
31	Vishal Gergawane	T.Y	
32	Pratham Pawar	T.Y	
33	Omkar Jadhav	T.Y.B	
34	Pratham Pawar	T.Y.B	
35	Prerna Patil	T.Y.B	
36	Tejaswini Rane	Final Year	
37	Gore Nikar	T.Y.B	
38	Akush Pawar	T.Y.B	
39	Ankita Khairi	T.Y.B	
40	Rajesh Guttu	T.Y.B	
41	Vishal Sonade	T.Y.B	
42	Hrishikesh Nikam	T.Y.B	
43	Satvish Kulkarni	T.Y.B.Pharm	
44	Purna Kulkarni	T.Y.B	
45	Ajit Saini	T.Y	
46	Vinayakrishna Kulkarni	T.Y.B	
47	Aditya Babhalkar	T.Y.B.Pharm	
48	Prathmesh Parzade	T.Y.B.Pharm	
49	Gauri Karande	T.Y.B.Pharm	
50	Pranaya Nawale	T.Y.B.Pharm	

Tree Plantation on the occasion of Pharmacist Day

NSS Program Officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044



Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



4. Tree plantation and cleaning activity at Jambawade village Report:

Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
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Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

Date: 10/01/2023

NOTICE

All the selected volunteers for Special NSS camp for the academic year 2022-23 hereby informed that camp will be conducting from **16th January to 22th January 2023 at A/P Jambhawade, Tal. Maval, Dist. Pune.** All the selected students compulsorily submit parent's concern form on or before 13.01.2023 to NSS office. Bus for the camp will be departing from college ground sharp at 8.30am. All the students note that for whole week of camp Breakfast, lunch and dinner will be provided by college you have to only bring small carpet and blanket for you. Detailed Scheduled for the camp is attached herewith. For camp orientation the meeting will be held at class room no: 2 on 13.01.2023 at 11am. Attendance is compulsory for all.




Note:
Parent's concern form is mandatory.
Students must wear College uniform and apron.
Students must carry the ID card for the camp.
Don't carry expensive jewellery and costly things if anything is loosed then college will not be responsible.
For more updates follow the official Facebook & Instagram Account of MCOP Nigdi

Dr. P.D. Chaudhari
Principal
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Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044

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**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS WINTER CAMP ACTIVITY REPORT 2022-2023

1.	Name of activity	Tree plantation and cleaning activity
2.	Date of activity	18/01/2023
3.	Time	10am to 2pm
4.	Total no students participate	75
5.	Occasion of activity	Tree Plantation
6.	Inauguration by	-
7.	Place of activity	Jambawade Village, Tal. Maval, Dist. Pune
8.	Objectives of activity	To Protect Our Ozone Layer To Increase Natural Oxygen To Conserve Bio-Diversity To Protect or Preserve Soil
9.	Outcome of activity	Planting and Caring of Tree Dig a proper planting hole Mulching Fertilizing
10.	Activity co-coordinator	Dr. R. B. Mali , R. M. Gurav



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



Photos of Tree plantation and cleaning activity at Jambawade village dated 18/01/2023






Photos of Tree plantation and cleaning activity at Jambawade village dated 18/01/2023





Photos of Tree plantation and cleaning activity at Jambawade village dated 18/01/2023




Dr. R. B. Mali
R. M. Gurav
P. V. Bagade
Program officer's




Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



National Service Scheme 2022-23 (Special Camp)
16th January 2023 to 22nd January 2023
Place: A/P Jambawade village, Tal. Mawal, Dist Pune

Day 03: Wednesday, 18/01/2023

Sr. No.	Name of Student	Morning Attendance	Night Attendance
1	Niranjan G. Rajput	<u>Najput</u>	<u>Najput</u>
2	Vaishnavi D. More	<u>Amore</u>	<u>Amore</u>
3	Aditya L. Babhalkar	<u>Aditya</u>	<u>Aditya</u>
4	Deepti M. Gunjal	<u>Gunjal</u>	<u>Gunjal</u>
5	Prathamesh Panzade	<u>Panzade</u>	<u>Panzade</u>
6	Akshaya A. Meher	<u>Amehar</u>	<u>Amehar</u>
7	Prerana P. Kulkarni	<u>P Kulkarni</u>	<u>P Kulkarni</u>
8	Pratham U. Pawar	<u>P Pawar</u>	<u>P Pawar</u>
9	Yashraj R Dhamale	<u>Yashraj R Dhamale</u>	<u>Yashraj R Dhamale</u>
10	Aditi S Bonde	<u>Aditi S Bonde</u>	<u>Aditi S Bonde</u>
11	Neha K. Pandit	<u>Neha K. Pandit</u>	<u>Neha K. Pandit</u>
12	Shailesh H. Kendre	<u>Shailesh H. Kendre</u>	<u>Shailesh H. Kendre</u>
13	Mansi N Zanwar	<u>Mansi N Zanwar</u>	<u>Mansi N Zanwar</u>
14	Jayesh R Jaiswal	<u>Jayesh R Jaiswal</u>	<u>Jayesh R Jaiswal</u>
15	Sakshi P Palve	<u>Sakshi P Palve</u>	<u>Sakshi P Palve</u>
16	Vikas Gore	<u>Vikas Gore</u>	<u>Vikas Gore</u>
17	Shreyan Y Chavan	<u>Shreyan Y Chavan</u>	<u>Shreyan Y Chavan</u>
18	Vidya D Chaudhari	<u>Vidya D Chaudhari</u>	<u>Vidya D Chaudhari</u>
19	Satsang A. Kumthekar	<u>Satsang A. Kumthekar</u>	<u>Satsang A. Kumthekar</u>
20	Tejashree S Rane	<u>Tejashree S Rane</u>	<u>Tejashree S Rane</u>
21	Sayyed Ajmat Sameer	<u>Sayyed Ajmat Sameer</u>	<u>Sayyed Ajmat Sameer</u>
22	Shivhar B Shete	<u>Shivhar B Shete</u>	<u>Shivhar B Shete</u>
23	Nitesh R Misal	<u>Nitesh R Misal</u>	<u>Nitesh R Misal</u>
24	Swapnali L Shedge	<u>Swapnali L Shedge</u>	<u>Swapnali L Shedge</u>
25	Jadhao Ankit Dilip	<u>Jadhao Ankit Dilip</u>	<u>Jadhao Ankit Dilip</u>
26	Omkar H Pande	<u>Omkar H Pande</u>	<u>Omkar H Pande</u>
27	Rajesh M Gutte	<u>Rajesh M Gutte</u>	<u>Rajesh M Gutte</u>
28	Shruti H Dere	<u>Shruti H Dere</u>	<u>Shruti H Dere</u>
29	Samarth D Shinde	<u>Samarth D Shinde</u>	<u>Samarth D Shinde</u>
30	Siddhi S Chavan	<u>Siddhi S Chavan</u>	<u>Siddhi S Chavan</u>
31	Devesh S Chaudhari	<u>Devesh S Chaudhari</u>	<u>Devesh S Chaudhari</u>
32	Dipak P Gonde	<u>Dipak P Gonde</u>	<u>Dipak P Gonde</u>



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



Sr. No.	Name of Student	Morning Attendance	Night Attendance
33	Purva M. Korde	<i>Purva</i>	<i>Purva</i>
34	Sarvesh D Kulkarni	<i>Sarvesh</i>	<i>Sarvesh</i>
35	Rani D Dagade	<i>R.D.</i>	<i>R.D.</i>
36	Swapnil V. Patil	<i>Swapnil</i>	<i>Swapnil</i>
37	Tanvi S Madane	<i>Tanvi</i>	<i>Tanvi</i>
38	Shivam S Phasale	<i>Shivam</i>	<i>Shivam</i>
39	Sayali R Shinde	<i>Sayali</i>	<i>Sayali</i>
40	Madhavi Vikharankar	<i>Madhavi</i>	<i>Madhavi</i>
41	Gaurav P Kela	<i>Gaurav</i>	<i>Gaurav</i>
42	Bhumika K Bhole	<i>Bhole</i>	<i>Bhole</i>
43	Prerna M Patil	<i>Prerna</i>	<i>Prerna</i>
44	Shruti R Bhosale	<i>Shruti</i>	<i>Shruti</i>
45	Omkar N Jadhav	<i>Omkar</i>	<i>Omkar</i>
46	Soham Bharmabe	<i>Soham</i>	<i>Soham</i>
47	Gaurav J Kharabi	<i>Gaurav</i>	<i>Gaurav</i>
48	Gauri P Karande	<i>Gauri</i>	<i>Gauri</i>
49	Hrishikesh A Nikam	<i>Hrishikesh</i>	<i>Hrishikesh</i>
50	Vinayakashish Kulkarni	<i>Vinayakashish</i>	<i>Vinayakashish</i>
51	Harsh G Wadekar	<i>Harsh</i>	<i>Harsh</i>
52	Vasundhara Deosarkar	<i>V.N. Deosarkar</i>	<i>V.N. Deosarkar</i>
53	Sonawane Srusti Nitin	<i>Sonawane</i>	<i>Sonawane</i>
54	Kirti S Savali	<i>Kirti</i>	<i>Kirti</i>
55	Moharankar Shrut	<i>Shrut</i>	<i>Shrut</i>
56	Tanmay R Satkar	<i>Tanmay</i>	<i>Tanmay</i>
57	Priya K. Shete	<i>Priya</i>	<i>Priya</i>
58	Mayuri M More	<i>Mayuri</i>	<i>Mayuri</i>
59	Pranav P Jadhav	<i>Pranav</i>	<i>Pranav</i>
60	Rohit A Baheti	<i>Rohit</i>	<i>Rohit</i>
61	Vishal S Gangawane	<i>Vishal</i>	<i>Vishal</i>
62	Siddhi S Dhawade	<i>Siddhi</i>	<i>Siddhi</i>
63	Niranjan Sonawane	<i>Niranjan</i>	<i>Niranjan</i>
64	Yuvraj B Jadhav	<i>Yuvraj</i>	<i>Yuvraj</i>
65	Vishal S Sarode	<i>Vishal</i>	<i>Vishal</i>
66	Panchabhai Pushkar Kishor	<i>Panchabhai</i>	<i>Panchabhai</i>
67	Raviraj Shinde	<i>Raviraj</i>	<i>Raviraj</i>
68	Neha V Neyse	<i>Neha</i>	<i>Neha</i>
69	Ankita P Khair	<i>Ankita</i>	<i>Ankita</i>



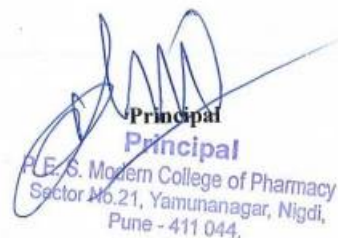
Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



Sr. No.	Name of Student	Morning Attendance	Night Attendance
70	Aditya Kasar	Aditya Kasar	Aditya Kasar
71	Utkarsha C Patil	Utkarsha C Patil	Utkarsha C Patil
72	Sakshi D Kute	Sakshi D Kute	Sakshi D Kute
73	Sarvesh Yeole	Sarvesh Yeole	Sarvesh Yeole
74	Akash B Pawar	Akash B Pawar	Akash B Pawar
75	Main Karan Karishma	Karishma	Karishma



NSS Program Officer





Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



5. Plastic collection drive at Yamuna Nagar report:



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
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Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council


Date: 13/10/2022

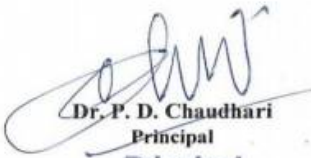
NOTICE

All the S.Y B.Pharm ,and Pharm.D students of Modern College of Pharmacy, Nigdi are hereby informed that college has organized Plastic collection drive on the occasion of mega-cleanliness drive on 19.10.2022 at Yamuna Nagar Nigdi Pune Maharashtra 411044. All the students can gathered at NSS office at 4 pm. We have to collect plastic waste from our campus as well as from nearby area.

Time: 4:00 pm – 5.00 pm.
Venue: Yamuna Nagar Nigdi Pune Maharashtra 411044

Note:
Students must carry the ID card for the program.
For more updates follow the official Facebook & Instagram Account of MCOP Nigdi




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
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**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

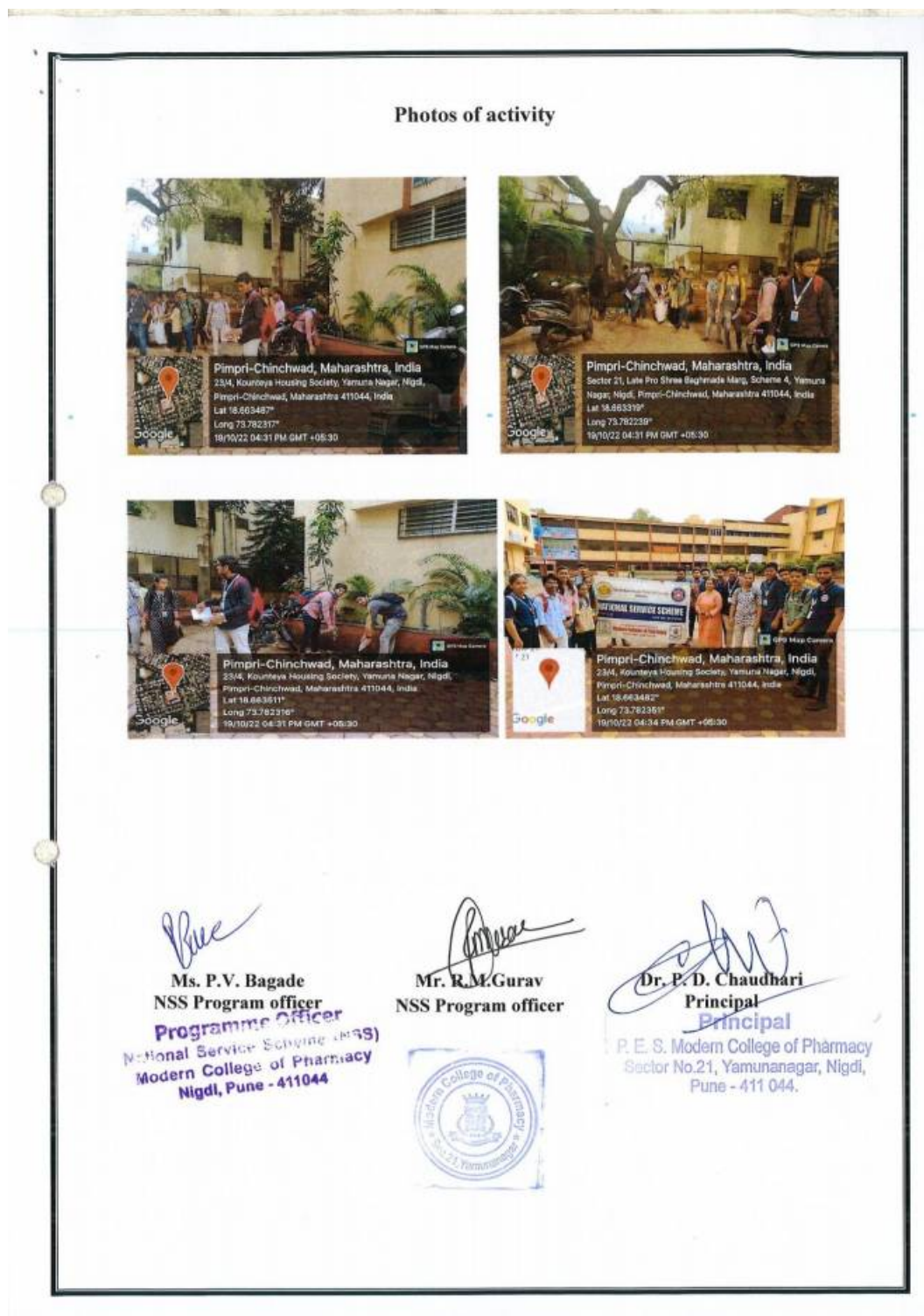
NSS REGULAR ACTIVITY REPORT 2022-2023

1.	Name of activity	PLASTIC COLLECTION- DRIVE
2.	Date of activity	19.10.2022
3.	Time	4PM-5PM
4.	Total no students participate	25
5.	Occasion of activity	MEGA-CLEANLINESS DRIVE –PLASTIC COLLECTION
6.	Inauguration by	Ms. Priyanka Bagade
7.	Place of activity	Yamuna Nagar Nigdi Pune Maharashtra 411044
8.	Objectives of activity	To clean the premises or Destruction of plastic from premises. To make the students aware about use of cloth bags instead of plastic
9.	Outcome of activity	Premises is free from plastic and students got idea regarding hazards effect of plastic on environment.
10.	Activity co-coordinator	Mr. R.M.Gurav. Ms. P.V.Bagade.





Photos of Plastic collection drive at Yamuna Nagar dated 19/10/2022





P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
NSS Regular Activity Report 2022-23

Name of Activity: Plastic Collection- Drive

Date & Time: 19/10/2022

Venue: College Campus

Sr. No.	Name of Student	Class	Signature
1	Rohit Baheti	3rd year	Rohit
2	Shadab Shaikh	3rd yr B-Pharm	Shadab
3	Shadab Shaikh		
4	Sanika Anand Ghelar	T.Y. B. Pharm	Sanika
5	Aditya Kaser	T.Y. B. Pharm	Aditya
6	Grushti Phand	T.Y. B. Pharm	Grushti
7	Vidya Chaudhari	T.Y. B. Pharm	Vidya
8	Abhishek Shendulkar	T.Y. B. Pharm	Abhishek
9	Bhumika Bhole	T.Y. B. Pharm	Bhumika
10	Siddhi Chavan	T.Y. B. Pharm	Siddhi
11	Shivam Phasale	T.Y. B. Pharm	Shivam
12	Sohan Bharambe	T.Y. B. Pharm	Sohan
13	Sakshi Patil	T.Y. B. Pharm	Sakshi
14	Abhinav Thorat	T.Y. B. Pharm	Abhinav
15	Dipak Gonde	T.Y. B. Pharm	Dipak
16	Vasudev Dhamale	T.Y. B. Pharm	Vasudev
17	Devashree Patil	T.Y.	Devashree
18	Gautami Khimlasara	T.Y.	Gautami
19	Deepthi Gungul	T.Y.	Deepthi
20	Neha Newse	T.Y.	Neha
21	Vaishnavi More	T.Y.	Vaishnavi
22	Harshada Kamte	T.Y.	Harshada
23	Pranav Tadhar	T.Y.	Pranav
24	Gaurav Kela	T.Y.	Gaurav
25	Nikar Gore	T.Y.	Nikar


Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044




Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



6. Public awareness rally and swachha Bharat Abhiyaan Report:



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MODERN COLLEGE OF PHARMACY
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Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
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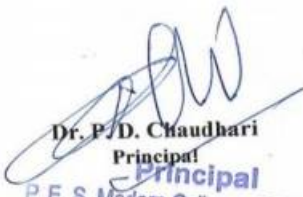
Date: 10/01/2023

NOTICE

All the selected volunteers for Special NSS camp for the academic year 2022-23 hereby informed that camp will be conducting from **16th January to 22th January 2023 at A/P Jambhawade, Tal. Maval, Dist. Pune.** All the selected students compulsorily submit parent's concern form on or before 13.01.2023 to NSS office. Bus for the camp will be departing from college ground sharp at 8.30am. All the students note that for whole week of camp Breakfast, lunch and dinner will be provided by college you have to only bring small carpet and blanket for you. Detailed Scheduled for the camp is attached herewith. For camp orientation the meeting will be held at class room no: 2 on 13.01.2023 at 11am. Attendance is compulsory for all.

Note:
Parent's concern form is mandatory.
Students must wear College uniform and apron.
Students must carry the ID card for the camp.
Don't carry expensive jewellery and costly things if anything is loosed then college will not be responsible.
For more updates follow the official Facebook & Instagram Account of MCOP Nigdi







Dr. P.D. Chaudhari
Principal
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Pune-411 044

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2



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

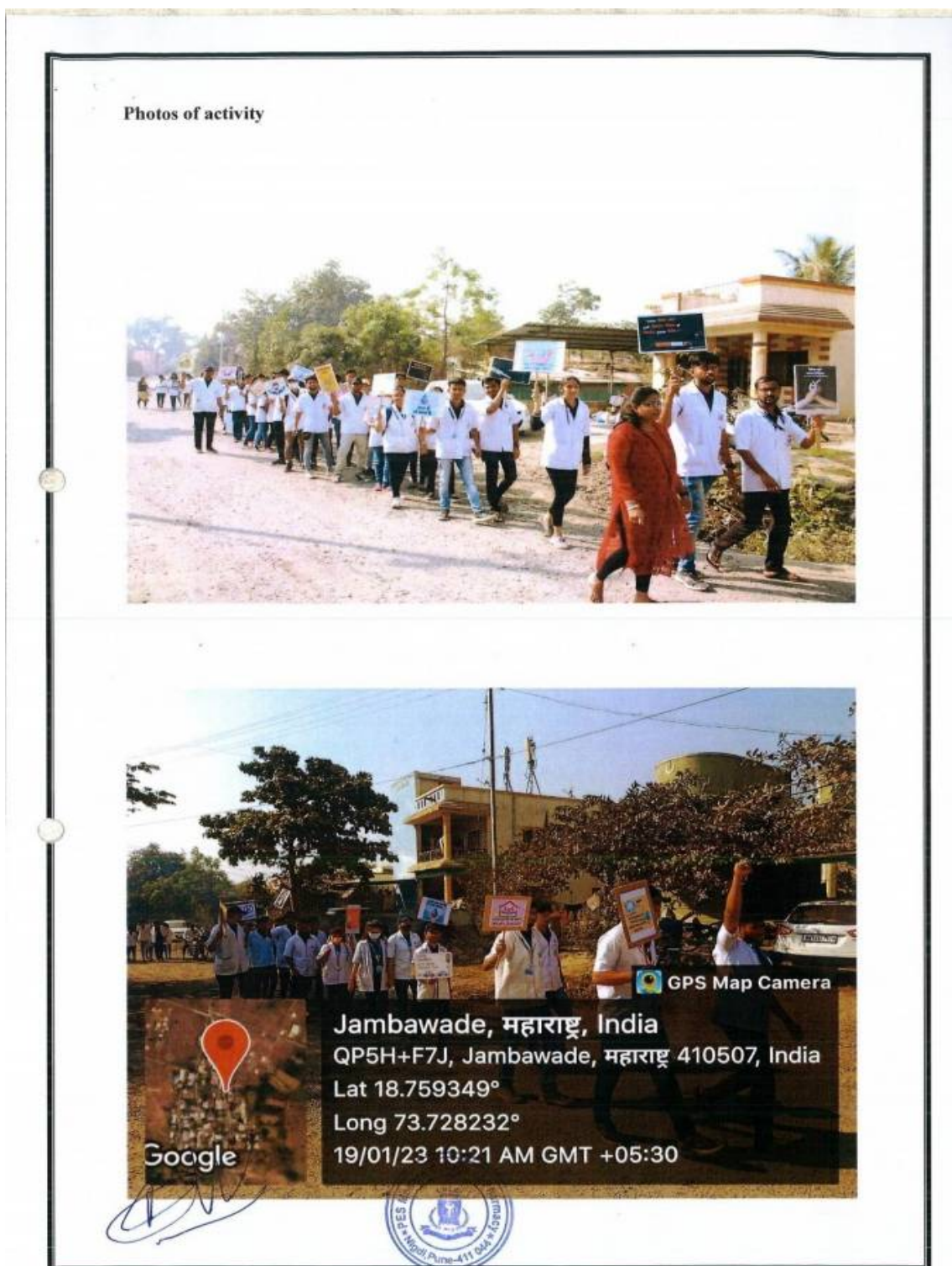
NSS WINTER CAMP ACTIVITY REPORT 2022-2023

1.	Name of activity	Public awareness rally and Swachh Bharat Abhiyan
2.	Date of activity	19.01.2023
3.	Time	9.00 am to 1.00 pm
4.	Total no students participate	75
5.	Occasion of activity	NSS Residential Camp
6.	Inauguration by	Mrs. Rupali Jinturkar and Mrs. Suvarna Vadje
7.	Place of activity	MahadevMandir , Tal. Jambhavade
8.	Objectives of activity	To aware people about personal hygiene. Awareness regarding cleanliness of the surrounding and its importance. Some measures to utilize water correctly and avoiding its wastage. To make girls and their parents aware about the education for girls. Encouraging girls and women to speak for their rights. To make people aware of the importance of trees and the self hygiene and of the environment.
9.	Outcome of activity	Around 80 villagers were made aware regarding all the all the points mentioned above. A rally along with different slogans was held to make people aware. In Swachh Bharat Abhiyan, the complete residential area of the villagers was cleaned. Many students were engaged in tree plantation and cleanliness drive.
10.	Activity co-coordinator	R. M. Chitambar, Dr. R. B. Mali, P.V.Bagade



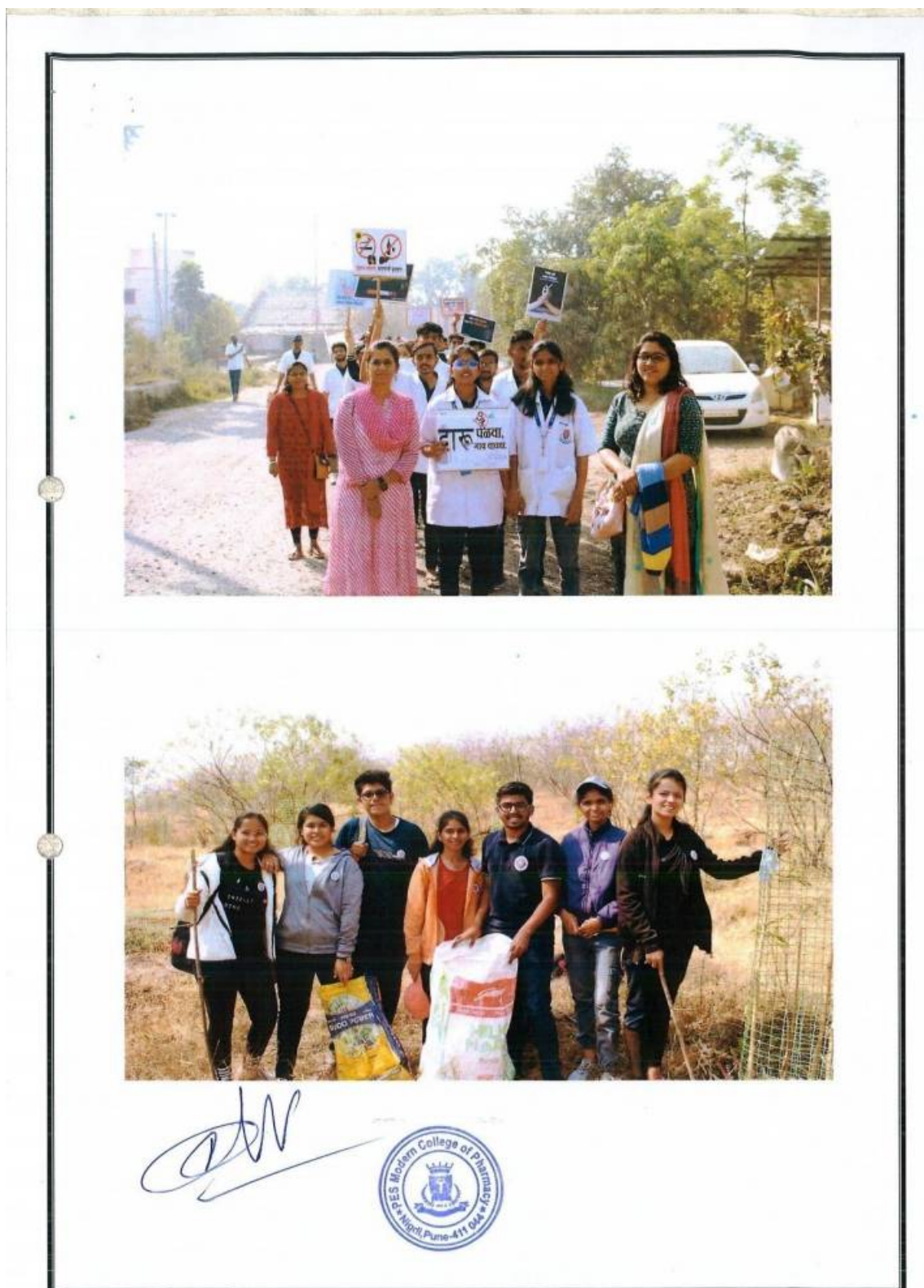


Photos of Public awareness rally and swachha Bharat Abhiyaan dated 19/01/2023



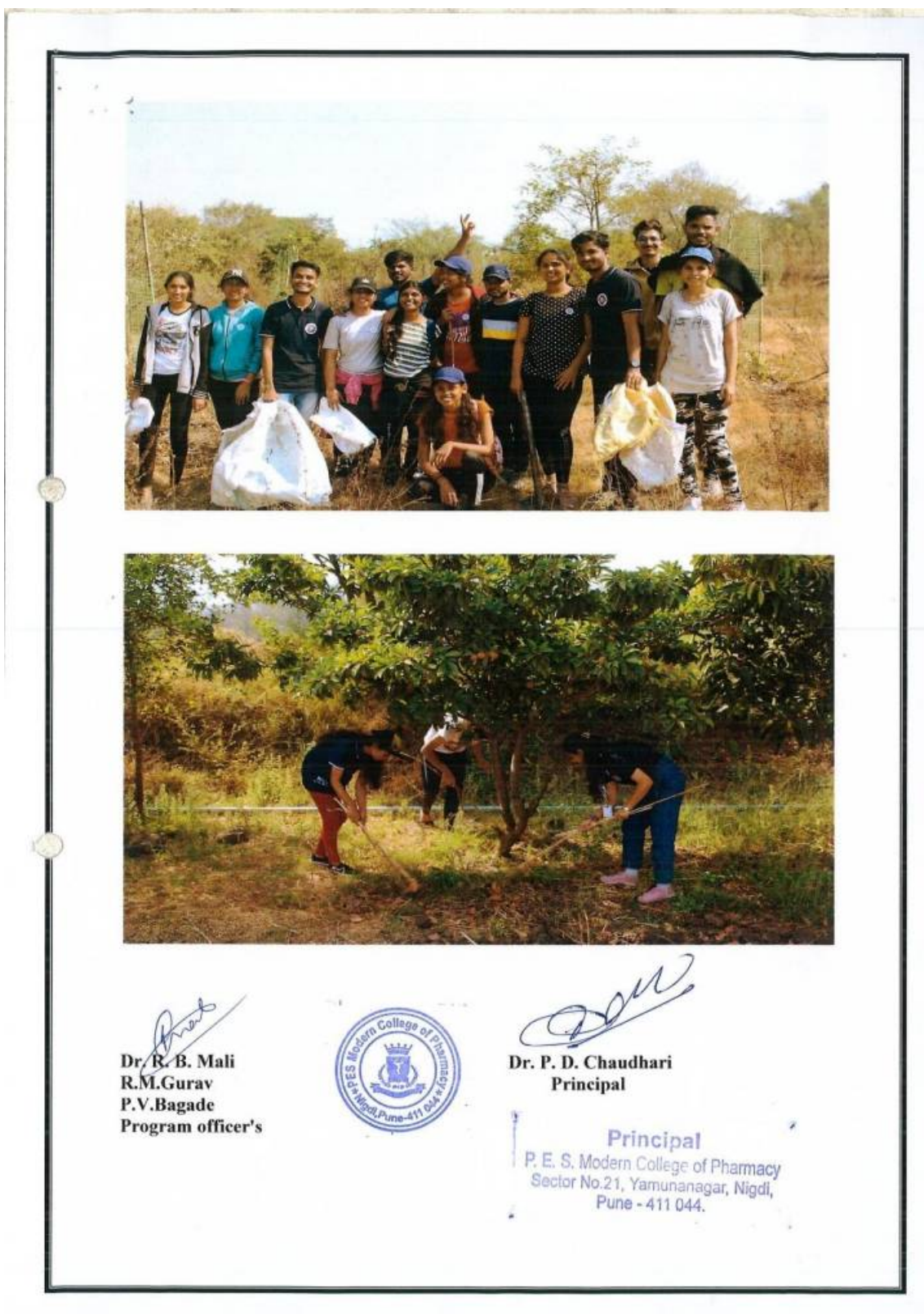


Photos of Public awareness rally and swachha Bharat Abhiyaan dated 19/01/2023





Photos of Public awareness rally and swachha Bharat Abhiyaan dated 19/01/2023





Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



National Service Scheme 2022-23 (Special Camp)
16th January 2023 to 22nd January 2023
Place: A/P Jambawade village, Tal. Mawal, Dist Pune

Day 04: Thursday, 19/01/2023

Sr. No.	Name of Student	Morning Attendance	Night Attendance
1	Niranjan G. Rajput	<u>Nirajput</u>	<u>Nirajput</u>
2	Vaishnavi D. More	<u>Amore</u>	<u>Amore</u>
3	Aditya L. Babhalkar	<u>Aditya</u>	<u>Aditya</u>
4	Deepti M. Gunjal	<u>Gunjal</u>	<u>Gunjal</u>
5	Prathamesh Panzade	<u>Panzade</u>	<u>Panzade</u>
6	Akshaya A. Meher	<u>Meher</u>	<u>Meher</u>
7	Prerana P. Kulkarni	<u>Pulkarni</u>	<u>Pulkarni</u>
8	Pratham U. Pawar	<u>Pawar</u>	<u>Pawar</u>
9	Yashraj R Dhamale	<u>Dhamale</u>	<u>Dhamale</u>
10	Aditi S Bonde	<u>ABonde</u>	<u>ABonde</u>
11	Neha K. Pandit	<u>Nandit</u>	<u>Nandit</u>
12	Shailesh H. Kendre	<u>Kudre</u>	<u>Kudre</u>
13	Mansi N Zanwar	<u>Zanwar</u>	<u>Zanwar</u>
14	Jayesh R Jaiswal	<u>Jaiswal</u>	<u>Jaiswal</u>
15	Sakshi P Palve	<u>Palve</u>	<u>Palve</u>
16	Vikas Gore	<u>Gore</u>	<u>Gore</u>
17	Shreyan Y Chavan	<u>Shreyan</u>	<u>Shreyan</u>
18	Vidya D Chaudhari	<u>Chaudhari</u>	<u>Chaudhari</u>
19	Satsang A. Kumthekar	<u>Sark</u>	<u>Sark</u>
20	Tejashree S Rane	<u>Rane</u>	<u>Rane</u>
21	Sayyed Ajmat Sameer	<u>Sameer</u>	<u>Sameer</u>
22	Shivhar B Shete	<u>Shete</u>	<u>Shete</u>
23	Nitesh R Misal	<u>Misal</u>	<u>Misal</u>
24	Swapnali L Shedge	<u>Shedge</u>	<u>Shedge</u>
25	Jadhao Ankit Dilip	<u>Jadhao</u>	<u>Jadhao</u>
26	Omkar H Pande	<u>Pande</u>	<u>Pande</u>
27	Rajesh M Gutte	<u>Gutte</u>	<u>Gutte</u>
28	Shruti H Dere	<u>Dere</u>	<u>Dere</u>
29	Samarth D Shinde	<u>Shinde</u>	<u>Shinde</u>
30	Siddhi S Chavan	<u>Chavan</u>	<u>Chavan</u>
31	Devosh S Chaudhari	<u>Chaudhari</u>	<u>Chaudhari</u>
32	Dipak P Gonde	<u>Gonde</u>	<u>Gonde</u>



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



Sr. No.	Name of Student	Morning Attendance	Night Attendance
33	Purva M. Korde	<i>Purva</i>	<i>Purva</i>
34	Sarvesh D Kulkarni	<i>Sarvesh</i>	<i>Sarvesh</i>
35	Rani D Dagade	<i>Rani</i>	<i>Rani</i>
36	Swapnil V. Patil	<i>Swapnil</i>	<i>Swapnil</i>
37	Tanvi S Madane	<i>Tanvi</i>	<i>Tanvi</i>
38	Shivam S Phasale	<i>Shivam</i>	<i>Shivam</i>
39	Sayali R Shinde	<i>Sayali</i>	<i>Sayali</i>
40	Madhavi Vikharankar	<i>Madhavi</i>	<i>Madhavi</i>
41	Gaurav P Kela	<i>Gaurav</i>	<i>Gaurav</i>
42	Bhumika K Bhole	<i>Bhumika</i>	<i>Bhumika</i>
43	Prerna M Patil	<i>Prerna</i>	<i>Prerna</i>
44	Shruti R Bhosale	<i>Shruti</i>	<i>Shruti</i>
45	Omkar N Jadhav	<i>Omkar</i>	<i>Omkar</i>
46	Soham Bharmabe	<i>Soham</i>	<i>Soham</i>
47	Gaurav J Kharabi	<i>Gaurav</i>	<i>Gaurav</i>
48	Gauri P Karande	<i>Gauri</i>	<i>Gauri</i>
49	Hrishikesh A Nikam	<i>Hrishikesh</i>	<i>Hrishikesh</i>
50	Vinayakashish Kulkarni	<i>Vinayakashish</i>	<i>Vinayakashish</i>
51	Harsh G Wadekar	<i>Harsh</i>	<i>Harsh</i>
52	Vasundhara Deosarkar	V.N. Deosarkar	V.N. Deosarkar
53	Sonawane Srusti Nitin	<i>Sonawane</i>	<i>Sonawane</i>
54	Kirti S Savali	<i>Kirti</i>	<i>Kirti</i>
55	Mohankar Shruti	<i>Mohankar</i>	<i>Mohankar</i>
56	Tanmay R Satkar	<i>Tanmay</i>	<i>Tanmay</i>
57	Priya K. Shete	<i>Priya</i>	<i>Priya</i>
58	Mayuri M More	<i>Mayuri</i>	<i>Mayuri</i>
59	Pranav P Jadhav	<i>Pranav</i>	<i>Pranav</i>
60	Rohit A Baheti	<i>Rohit</i>	<i>Rohit</i>
61	Vishal S Gangawane	<i>Vishal</i>	<i>Vishal</i>
62	Siddhi S Dhawade	<i>Siddhi</i>	<i>Siddhi</i>
63	Niranjana Sonawane	<i>Niranjana</i>	<i>Niranjana</i>
64	Yuvraj B Jadhav	<i>Yuvraj</i>	<i>Yuvraj</i>
65	Vishal S Sarode	<i>Vishal</i>	<i>Vishal</i>
66	Panchabhai Pushkar Kishor	<i>Panchabhai</i>	<i>Panchabhai</i>
67	Raviraj Shinde	<i>Raviraj</i>	<i>Raviraj</i>
68	Neha V Nevse	<i>Neha</i>	<i>Neha</i>
69	Ankita P Khaire	<i>Ankita</i>	<i>Ankita</i>



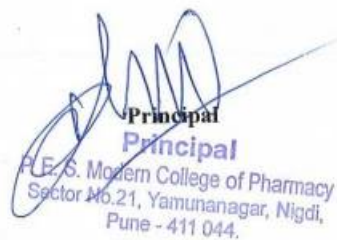
Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Yamunanagar, Nigdi, Pune -44



Sr. No.	Name of Student	Morning Attendance	Night Attendance
70	Aditya Kasar	Aditya Kasar	Aditya Kasar
71	Utkarsha C Patil	Utkarsha C Patil	Utkarsha C Patil
72	Sakshi D Kute	Sakshi D Kute	Sakshi D Kute
73	Sarvesh Yeole	Sarvesh Yeole	Sarvesh Yeole
74	Akash B Pawar	Akash B Pawar	Akash B Pawar
75	Mainkan Karishma	Karishma	Karishma


NSS Program Officer




Principal
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





AWARENESS CAMPAIGN

2021-22



7. National level Webinar: Catch The Rain Report

 Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314
E-mail: mcpnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal


Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

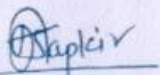
Date: 20/08/2021

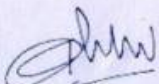
NOTICE

All the students & staff members are hereby informed that NSS Unit of the college has organized following mentioned activity. All are requested to actively participate in the activity. Details of the activity is mentioned below:

Name of Activity: National Level Webinar on Catch the Rain
Date & Time: 23/08/2021, 11.00 am to 1.00 am
Venue: Online Platform. Zoom Meeting
Note: Registration link is shared on official WhatsApp group.
Registration is mandatory.







Dr. A. S. Tapkir
NSS Program Officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044


Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



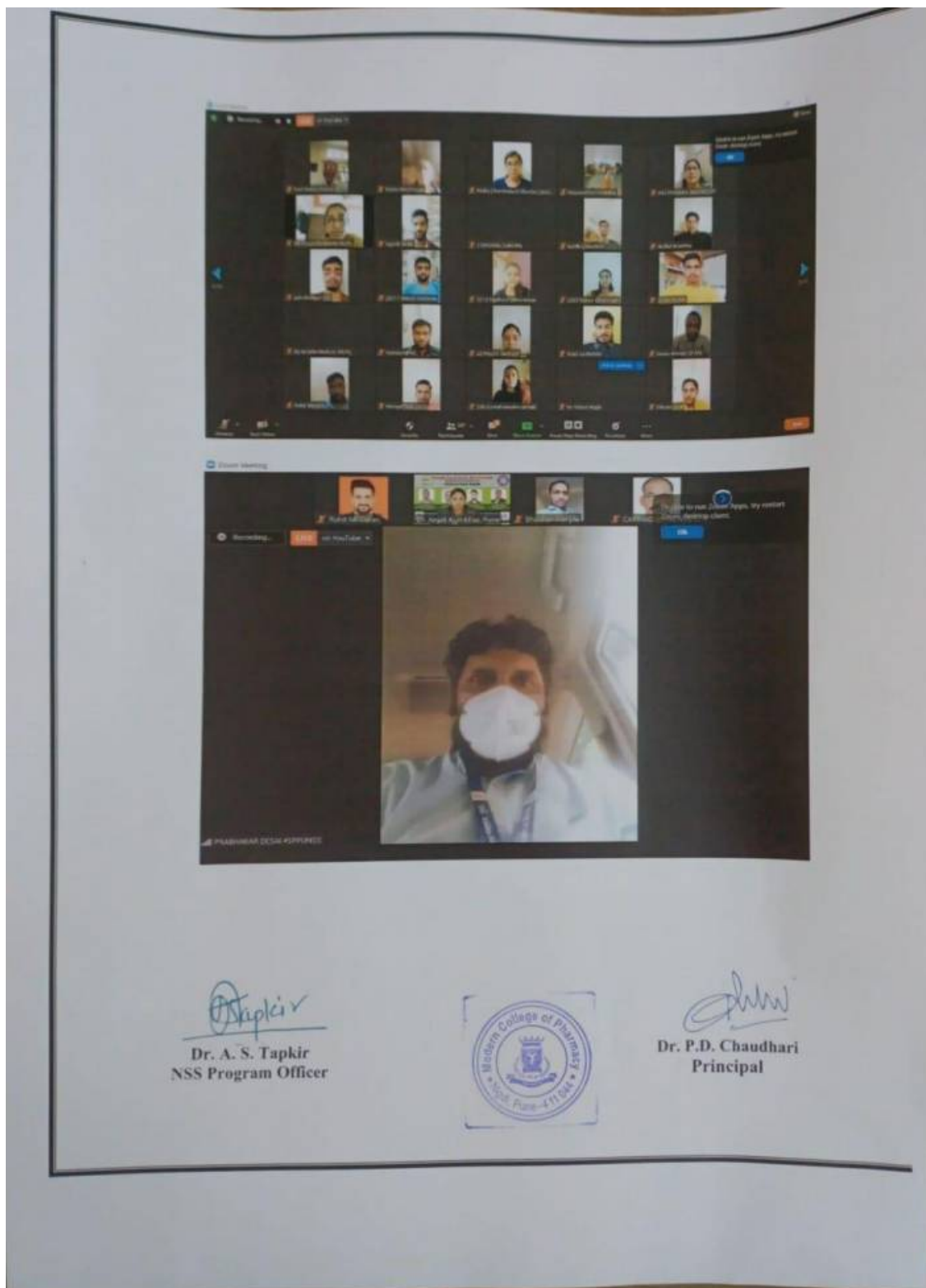
P. E. Society's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 NSS REGULAR ACTIVITY REPORT 2021-22	
1. Name of activity	National Level Webinar on Catch the Rain
2. Date of activity	23.08.2021
3. Time	11.00 am to 1.00 am
4. Total no students participated	1344
5. Occasion of activity	Azadi ka Amrit Mohotstav
6. Inauguration by	Dr. P. D. Chaudhari
7. Place of activity	PES Modern College of Pharmacy Nigdi, Pune (Online)
8. Objectives of activity	To spread awareness and knowledge regarding water use and methods of rain water storage. To help in decrease in global warming To improve water and air quality To increase green spaces in cities. To conserve water and biodiversity.
9. Outcome of activity	Participants got the importance of water and its use. Students got exposed to nature and understood importance of conservation of nature and biodiversity. Student get aware about proper scientific techniques of water and raining.
10. Activity co-coordinator	Dr. A. S. Tapkir Prof. R. M. Gurav Prof. P. A. Pawar







Photos of National level Webinar: Catch The Rain dated 23/08/2021





NATIONAL SERVICE SCHEME
not me but you...

National Level Webinar on CATCH THE RAIN

Monday, 29/08/2021
11:00 AM TO 02:00 PM

REGISTRATION QR CODE
SCAN ME

Organized By
Ministry of Youth Affairs & Sports, India
NSS, Government of Maharashtra
NSS, Savitribai Phule Pune University
NSS Unit A-32
Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Sector No. 21, Yamunanagar, Nigdi, Pune - 411044

E-Certificates will be given to all participants.

COORDINATOR
Dr. A. S. Tapkir
NSS Programme Officer
MCCP, Nigdi, Pune

COORDINATOR
Dr. A. G. More
NSS Programme Officer
MCCP, Nigdi, Pune

CONVENER
Dr. P. D. Chaudhari
Principal
MCCP, Nigdi, Pune

<http://www.mcop.org.in/>

Ministry of Youth Affairs and Sports, Government of India
and
National service scheme, Maharashtra
and
National service scheme, Savitribai Phule Pune University
and
NSS unit
Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Sector no. 21, Yamunanagar, Nigdi, Pune - 411044

CERTIFICATE OF APPRECIATION

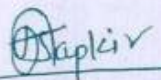
This certificate is proudly Presented to **Dr. Bhushan P. Pimple** For his active participation in National level webinar entitle, 'Catch the Rain' as a resource person. Your valuable guidance is highly appreciated.

Date: 23/08/2021


Dr. A. G. More
NSS Programme Officer
Modern College of Pharmacy

Dr. A. S. Tapkir
NSS Programme Officer
Modern College of Pharmacy

Dr. P. D. Chaudhari
Principal
Modern College of Pharmacy


Dr. A. S. Tapkir
NSS Program Officer




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



8. Mazi vasundhara Abhiyaan Report:

	<p>Progressive Education Society's MODERN COLLEGE OF PHARMACY Accredited by NAAC Best College Award by Savitribai Phule Pune University</p>	
<p>Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (M5), Permanently Affiliated to Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956</p>		
<p>Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314 E-mail: mcpnigdi44@gmail.com Website: www.mcop.org.in</p>		
<p>Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal</p>		<p>Prof. Dr. G. R. Ekbate M.S., M.N.A.M.S. Chairman, Business Council</p>
<p>Date: 07/10/2021</p>		

NOTICE

All the students and teaching & non-teaching staff members are hereby informed that NSS Unit of the college has organized following mentioned activity. All are requested to actively participate in the activity. Details of the activity is mentioned below:

Name of Activity: Mazi Vasundhara Abhiyaan
Date & Time: 09/10/2021, 10 to 5 pm
Venue: Student own house, Road sides

Note: Kindly take one geo tag photo & submit it on google form & WhatsApp.

 Dr. A. S. Tapkir NSS Program Officer Programme Officer National Service Scheme (NSS) Modern College of Pharmacy Nigdi, Pune - 411044		 Dr. P. D. Chaudhari Principal P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.
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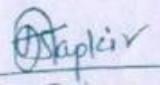


P. E. Society's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 NSS REGULAR ACTIVITY REPORT 2021-22	
1. Name of activity	Mazi Vasundhara Abhiyaan
2. Date of activity	09.10.2021
3. Time	10.00 am to 5.00 pm
4. Total no students participated	68
5. Occasion of activity	Mazi Vasundhara campaign
6. Inauguration by	Dr. P.D. Chaudhari
7. Place of activity	PES Modern College of Pharmacy Nigdi and student home town
8. Objectives of activity	<ul style="list-style-type: none">• To make the region green.• To help in decrease in global warming• To improve water and air quality• To increase green spaces in cities.• To conserve biodiversity.
9. Outcome of activity	<ul style="list-style-type: none">• Students planted various saplings at different regions.• Students get exposed to nature and understood importance of conservation of nature and biodiversity.• Student get aware about proper scientific techniques of plantation.
10. Activity co-coordinator	Dr. A. S. Tapkir Prof.R.M.Gurav Prof.P.A.Pawar

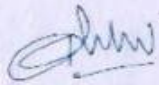


Photos of Mazi Vasundhara Abhiyaan Dated 09/10/2021




Dr. A. S. Tapkir
NSS Program Officer




Dr. P.D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2021-22**

Name of Activity: Mazi Vasundhara Abhiyaan

Date of Activity: 09.10.2021

Sr No	Name Of Student	Sign
1.	Mate Dnyaneshwari Sandip	<i>Mate</i>
2.	Kale Rushikesh Hanmant	<i>Rushikesh</i>
3.	Gulhane Riteeka Ravindra	<i>Riteeka</i>
4.	Dhumal Neha Vinod	<i>Patil</i>
5.	Patil Sayali Dipak	<i>Ychoat</i>
6.	Shrivastav Kalyani Rahul	<i>Patil</i>
7.	Chavan Guruprasad Satish	<i>Patil</i>
8.	Deo Akshay Nitin	<i>Akshay</i>
9.	Deshmukh Rutuja Vitthal	<i>Akshay</i>
10.	Kudale Sakshi Sunil	<i>Akshay</i>
11.	Majgaonkar Manali Mahadev	<i>Manali</i>
12.	Ladkat Hrushikesh Pandurang	<i>Abhi</i>
13.	Date Mayuresh Sitaram	<i>u. bhi</i>
14.	Shelke Ganesh Suresh	<i>Ganesh</i>
15.	Sewatkar Mansi Narhari	<i>Mansi</i>
16.	Chimte Manasi Ashok	<i>Manasi</i>
17.	Sambra Shivam Hemant	<i>Vaibhavi</i>
18.	Suryawanshi Vaibhavi Ramesh	<i>Vaibhavi</i>
19.	Gite Roshani Suryabhan	<i>Rajita</i>
20.	Surwase Onkar Vishnu	<i>Onkar</i>
21.	Gaikwad Akash Angad	<i>Akash</i>
22.	Supe Akshay Ramdas	<i>Akshay</i>
23.	Shirsat Pranali Sanjay	<i>Supre</i>
24.	Jachak Dhanashree Nitin	<i>Shay</i>
25.	Bhongale Prasad Bharat	<i>Prasad</i>
26.	Jadhav Swaroopa Sanjay	<i>Swaroopa</i>
27.	Gaikwad Siddhi Gulchand	<i>ASN</i>
28.	Nemmaniwar Abhishek Sunil	<i>Abhishek</i>
29.	Phapale Sanchit Prakash	<i>Sanchit</i>
30.	Gahiine Pritesh Namdev	<i>Pritesh</i>





31.	Rane Tejashree Satish	<u>Tejashree</u>
32.	Gavali Kartik Rajendra	<u>Karthik</u>
33.	Badhe Prathamesh Babanrao	<u>Prathamesh</u>
34.	Shete Shivhar Baswraj	<u>Shivhar</u>
35.	Pandit Neha Kishor	<u>Neha</u>
36.	Dyagatwar Milind Gangadhar	<u>Milind</u>
37.	Agalave Shravani Pandurang	<u>Shravani</u>
38.	Shinde Utkarsha Namdevrao	<u>Utkarsha</u>
39.	Dighe Shivani Appasaheb	<u>Shivani</u>
40.	Mane Rutuja Sanjay	<u>Mane</u>
41.	Pekamwar Mahesh Mukund	<u>Mahesh</u>
42.	Chavan Pooja Ramrao	<u>Pooja</u>
43.	Chavhan Ankush Laxman	<u>Ankush</u>
44.	Kalyan Akshay Devidas	<u>Akshay</u>
45.	Ahirrao Shraddha Anil	<u>Shraddha</u>
46.	Banakar Truptee Hiralal	<u>Truptee</u>
47.	Bajare Shruti Sanjay	<u>Shruti</u>
48.	Andhale Rahul Balasaheb	<u>Rahul</u>
49.	Chavan Dnyaneshwari Dasu	<u>Dnyaneshwari</u>
50.	Dhole Onkar Nishikant	<u>Onkar</u>
51.	Rane Tejashree Satish	<u>Tejashree</u>
52.	Gavali Kartik Rajendra	<u>Karthik</u>
53.	Badhe Prathamesh Babanrao	<u>Prathamesh</u>
54.	Shete Shivhar Baswraj	<u>Shivhar</u>
55.	Pandit Neha Kishor	<u>Neha</u>
56.	Dyagatwar Milind Gangadhar	<u>Milind</u>
57.	Agalave Shravani Pandurang	<u>Shravani</u>
58.	Shinde Utkarsha Namdevrao	<u>Utkarsha</u>
59.	Dighe Shivani Appasaheb	<u>Shivani</u>
60.	Mane Rutuja Sanjay	<u>Mane</u>
61.	Pekamwar Mahesh Mukund	<u>Mahesh</u>
62.	Chavan Pooja Ramrao	<u>Pooja</u>
63.	Chavhan Ankush Laxman	<u>Ankush</u>
64.	Kalyan Akshay Devidas	<u>Akshay</u>
65.	Ahirrao Shraddha Anil	<u>Shraddha</u>
66.	Banakar Truptee Hiralal	<u>Truptee</u>
67.	Bajare Shruti Sanjay	<u>Shruti</u>
68.	Andhale Rahul Balasaheb	<u>Rahul</u>

Signature

NSS Programme Officer





9. Gram Swachhta Abhiyaan Report.

	<p>Progressive Education Society's MODERN COLLEGE OF PHARMACY Accredited by NAAC Best College Award by Savitribai Phule Pune University</p>	
<p>Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956</p>		
<p>Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314 E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in</p>		
<p>Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal</p>		<p>Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council</p>
<p>Date: 05/02/2022</p>		
<p>NOTICE</p>		
<p>All the students are hereby informed that NSS Unit of the college has organised following mentioned activity. All are requested to actively participate in the activity. Details of the activity is mentioned below:</p>		
<p>Name of Activity: NSS Special Camp</p>		
<p>Date & Time: 22 Feb to 28 Feb 2022</p>		
<p>Venue: A/p Jambavade Tal. Maval, Dist.</p>		
<p>Note: All NSS volunteers are informed that the selection process will be conducted on 07th Feb 2022.</p>		
<p> Dr. A. S. Tapkir NSS Program Officer Programme Officer National Service Scheme (NSS) Modern College of Pharmacy Nigdi, Pune - 411044</p>		<p> Dr. P. D. Chaudhari Principal Principal P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.</p>



P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44



Date: 11/02/2022

NOTICE

All teaching and non teaching faculty members are hereby informed that **WINTER SPECIAL CAMP of NSS** for this year is arranged at **Jambhawade** village Tal. Mawal, Dist Pune, from **22nd February 2022 to 28th February 2022**. All teaching staff members are requested to share the own views, ideas on any activity related to NSS, patriotism, personality development, safety training, safety of health-related camp, with the NSS volunteers in the camp and cooperate for conducting the camp. Your suggestions if any are welcome. The scheduled of the activities/collaborative projects in the camp will be display and circulate soon.

Thanking you.

Dr. A. S. Tapkir
Dr. Mrs. A. G. More
Prof. Rohit M. Gurav
Prof. Prashant A. Pawar
(Activity Coordinators)



Dr. P. D. Chaudhari
Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS CAMP ACTIVITY REPORT 2021-2022

1.	Name of activity	Gram swachata Abhiyan
2.	Date of activity	25/02/2022
3.	Time	7.30 am to 12.00pm
4.	Total no students participate	50
5.	Occasion of activity	NSS camp
6.	Inauguration by	Dr. Amit Tapkir
7.	Place of activity	Jambhawade, Tal. Maval, Dist. Pune 410507.
8.	Objectives of activity	To clean the premises of At post Jambhawade, Tal. Maval, Dist. Pune 410507. To make the students aware about the cleaning.
9.	Outcome of activity	Jambhawade Premises has been free from unwanted dusty materials and students got idea regarding importance of cleaning activity to keep good environment.
10.	Activity co-coordinator	Dr. Amit Tapkir





Photos of Gram Swachhta Abhiyaan dated 25/02/2022

Photos of activity




Dr. Amit Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-411044

NATIONAL SERVICE SCHEME

Special Winter Camp

Place: A/P Jambawde, Tal: Maval, Dist: Pune

Date: 22/02/2022 to 28/02/2022

Attendance Sheet

Date: 22/02/2022

Sr No.	Name of the Volunteers	Morning	Evening
1	DHOLE ONKAR NISHIKANT	<i>Onkar</i>	<i>Onkar</i>
2	ROKADE MANISH SUBHASH	<i>Manish</i>	<i>Manish</i>
3	SURWASE ONKAR VISHNU	<i>Onkar</i>	<i>Onkar</i>
4	HAGE VAIBHAV GANESH	<i>Vaibhav</i>	<i>Vaibhav</i>
5	TARU DEEPAK KHANDU	<i>Deepak</i>	<i>Deepak</i>
6	MATE DNYANESHWARI SANDIP	<i>Sandip</i>	<i>Sandip</i>
7	HARNE SHIVANI SAHADEO	<i>Shivani</i>	<i>Shivani</i>
8	SHELKE GANESH SURESH	<i>Ganesh</i>	<i>Ganesh</i>
9	SAMBRE SHIVAM HEMANT	<i>Shivam</i>	<i>Shivam</i>
10	BARWAD NARESH RAMAKANT	<i>Naresh</i>	<i>Naresh</i>
11	SUPE AKSHAY RAMDAS	<i>Akshay</i>	<i>Akshay</i>
12	KUMBHAR NIKHITA DATTATRAY	<i>Nikhita</i>	<i>Nikhita</i>
13	SARNE SHWETA SHAM	<i>Shweta</i>	<i>Shweta</i>
14	SARGAR LALIT RAJARAM	<i>Lalit</i>	<i>Lalit</i>
15	KURULEKAR VIKAS GANGADHAR	<i>Vikas</i>	<i>Vikas</i>
16	SHINDE ASHISH HANMANT	<i>Ashish</i>	<i>Ashish</i>
17	TOLE ADWAIT PRANESH	<i>Adwait</i>	<i>Adwait</i>
18	PATIL VASUNDHARA PRAMOD	<i>Vasundhara</i>	<i>Vasundhara</i>

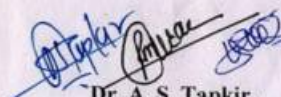




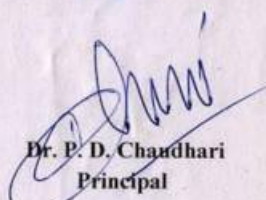
Criteria 7: Institutional Values and Best Practices



19	WAGHMARE SHRINATH SHANTINATH	<u>Shrinath</u>	<u>Shrinath</u>
20	SHINDE KADAMBARI BABASAHEB	<u>Kadambari S.</u>	<u>Kadambari S.</u>
21	BHALE BHAGIRATHI NARAYAN	<u>Bhale</u>	<u>Bhale</u>
22	JADHAV SHRADHA SHIVLAL	<u>Ashradha</u>	<u>Ashradha</u>
23	GANJURE KAVERI UDDHAV	<u>Kaveri</u>	<u>Kaveri</u>
24	PATIL YASHASVI VIJAY	<u>Patil</u>	<u>Patil</u>
25	AHIRRAO SHRADDHA ANIL	<u>Shraddha</u>	<u>Shraddha</u>
26	PANDIT NEHA KISHOR	<u>Nandit</u>	<u>Nandit</u>
27	HOJAGE SNEHA NAVNATH	<u>Sneha</u>	<u>Sneha</u>
28	DIGHE SHIVANI APPASAHEB	<u>Shivani</u>	<u>Shivani</u>
29	BASATE TEJASWINI SHRIMANT	<u>Tej</u>	<u>Tej</u>
30	AGALAVE SHRAVANI PANDURANG	<u>Shragalave</u>	<u>Shragalave</u>
31	SHINDE VARSHA PANNDURANG	<u>Varsha</u>	<u>Varsha</u>
32	RANE TEJASHREE SATISH	<u>Tejashree</u>	<u>Tejashree</u>
33	GAIKWAD SIDDHI GULCHAND	<u>Siddhi</u>	<u>Siddhi</u>
34	HANDE MAITHIL DATTATRAY	<u>Maithil Hande</u>	<u>Maithil Hande</u>
35	MARE PAVANKUMAR DATTATRAY	<u>Pav</u>	<u>Pav</u>
36	WASULE ANJALI RAJU	<u>Anjali</u>	<u>Anjali</u>
37	GAIKWAD ANUJ VITTHAL	<u>Anuj</u>	<u>Anuj</u>
38	PATEL AJAY ANGADLAL	<u>Ajay</u>	<u>Ajay</u>
39	DYAGATWAR MILIND GANGADHAR	<u>Milind</u>	<u>Milind</u>
40	DATE MAYURESH SITARAM	<u>Mayur</u>	<u>Mayur</u>
41	PHAPALE SANCHIT PRAKASH	<u>Sanchit</u>	<u>Sanchit</u>
42	BHONGALE PRASAD BHARAT	<u>Prasad</u>	<u>Prasad</u>
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Nigdi, Pune - 411044





Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



10. Tree plantation at Jambavade Report:

 Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314
E-mail : mcpnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. G. R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

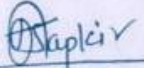
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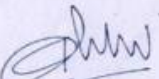
All the students are hereby informed that NSS Unit of the college has organised following mentioned activity. All are requested to actively participate in the activity. Details of the activity is mentioned below;

Name of Activity: NSS Special Camp
Date & Time: 22 Feb to 28 Feb 2022
Venue: A/p Jambavade Tal. Maval, Dist.

Note: All NSS volunteers are informed that the selection process will be conducted on 07th Feb 2022.


Dr. A. S. Tapkir
NSS Program Officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44



Date: 11/02/2022

NOTICE

All teaching and non teaching faculty members are hereby informed that **WINTER SPECIAL CAMP of NSS** for this year is arranged at **Jambhawade** village Tal. Mawal, Dist Pune, from **22nd February 2022 to 28th February 2022**. All teaching staff members are requested to share the own views, ideas on any activity related to NSS, patriotism, personality development, safety training, safety of health-related camp, with the NSS volunteers in the camp and cooperate for conducting the camp. Your suggestions if any are welcome. The scheduled of the activities/collaborative projects in the camp will be display and circulate soon.

Thanking you.

Dr. A. S. Tapkir
Dr. Mrs. A. G. More
Prof. Rohit M. Gurav
Prof. Prashant A. Pawar
(Activity Coordinators)



Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2021-2022


1.	Name of activity	Tree Plantation activity.
2.	Date of activity	26.02.2022
3.	Time	11am-1pm
4.	Total no students participate	50
5.	Occasion of activity	NSS camp activity
6.	Inauguration by	Dr. Amit Tapkir
7.	Place of activity	Jambhawade, Tal. Maval, Dist. Pune 410507.
8.	Objectives of activity	To clean the premises of Jambhawade, or destruction of unwanted weeds and to sow the seeds for plant growth. To make the students aware about the tree plantation on hills. To make the premises green.
9.	Outcome of activity	The Premises of Jambhawade, is free from unwanted weeds and students got idea how to do tree plantation and importance of tree plantation for our foresteco system.
10.	Activity co-coordinator	Dr. Amit Tapkir.






Photos of Tree plantation at Jambavade dated 26/02/2022


Photos of activity





Jambavade, Maharashtra, India
QP5H+P7J, Jambavade, Maharashtra 410507, India
Lat 18.768934°
Long 73.728455°
26/02/22 11:33 AM




Jambavade, Maharashtra, India
QP5H+9CX, Jambavade, Maharashtra 410507, India
Lat 18.768939°
Long 73.728656°
26/02/22 11:09 AM








Dr. Amit Tapkir.
NSS Program officer





Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-411044

NATIONAL SERVICE SCHEME

Special Winter Camp

Place: A/P Jambawde, Tal: Maval, Dist: Pune

Date: 22/02/2022 to 28/02/2022

Attendance Sheet

Date: 22/02/2022

Sr No.	Name of the Volunteers	Morning	Evening
1	DHOLE ONKAR NISHIKANT	<i>Onkar</i>	<i>Onkar</i>
2	ROKADE MANISH SUBHASH	<i>Manish</i>	<i>Manish</i>
3	SURWASE ONKAR VISHNU	<i>Onkar</i>	<i>Onkar</i>
4	HAGE VAIBHAV GANESH	<i>Vaibhav</i>	<i>Vaibhav</i>
5	TARU DEEPAK KHANDU	<i>Deepak</i>	<i>Deepak</i>
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12	KUMBHAR NIKHITA DATTATRAY	<i>Nikhita</i>	<i>Nikhita</i>
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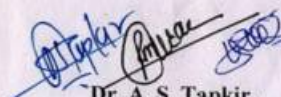




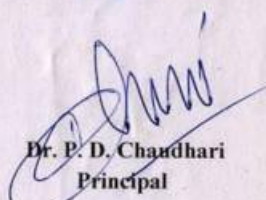
Criteria 7: Institutional Values and Best Practices



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Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



11. Water and Soil analysis Report:

 Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University 

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
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Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314
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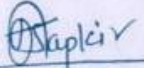
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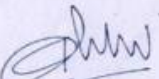
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Name of Activity: NSS Special Camp
Date & Time: 22 Feb to 28 Feb 2022
Venue: A/p Jambavade Tal. Maval, Dist.

Note: All NSS volunteers are informed that the selection process will be conducted on 07th Feb 2022.


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Dr. P. D. Chaudhari
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P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44



Date: 11/02/2022

NOTICE

All teaching and non teaching faculty members are hereby informed that **WINTER SPECIAL CAMP of NSS** for this year is arranged at **Jambhawade** village Tal. Mawal, Dist Pune, from **22nd February 2022 to 28th February 2022**. All teaching staff members are requested to share the own views, ideas on any activity related to NSS, patriotism, personality development, safety training, safety of health-related camp, with the NSS volunteers in the camp and cooperate for conducting the camp. Your suggestions if any are welcome. The scheduled of the activities/collaborative projects in the camp will be display and circulate soon.

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Dr. Mrs. A. G. More
Prof. Rohit M. Gurav
Prof. Prashant A. Pawar
(Activity Coordinators)



Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2021-2022

1.	Name of activity	Water & soil analysis
2.	Date of activity	25/02/2022
3.	Time	10am – 12pm
4.	Total no students participate	50
5.	Occasion of activity	NSS Campactivity
6.	Inauguration by	Dr. P.D. Chaudhari (Principal)
7.	Place of activity	Jambhawade, Tal. Maval, Dist. Pune 410507.
8.	Objectives of activity	To analyses Soil and Water. To check safety of water, and certain chemical parameters for safe limits. To determine the level of availability of nutrients in the soil.
9.	Outcome of activity	Soil and water analysis was done. Many villagers/Farmers got result for water purity and quality of soil for the growth of farm. Students got information regarding testing of water and soil.
10.	Activity co-coordinator	Dr. A. S. Tapkir










Scanned with
CamScanner




Photos of Water and Soil analysis dated 25/02/2022


Photos of activity

 <p>Marolpurwadi, Maharashtra, India QPSH+75F Nigdi Campus Nigdi, Maharashtra Marolpurwadi, India Lat 18.758094 Long 73.728091 25/02/22 11:04 AM</p>	 <p>Marolpurwadi, Maharashtra, India QPSH+75F Nigdi Campus Nigdi, Maharashtra Marolpurwadi, India Lat 18.758094 Long 73.728091 25/02/22 11:04 AM</p>
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Dr. A. S. Tapkir
NSS Program officer





Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-411044

NATIONAL SERVICE SCHEME

Special Winter Camp

Place: A/P Jambawde, Tal: Maval, Dist: Pune

Date: 22/02/2022 to 28/02/2022

Attendance Sheet

Date: 22/02/2022

Sr No.	Name of the Volunteers	Morning	Evening
1	DHOLE ONKAR NISHIKANT	<i>Onkar</i>	<i>Onkar</i>
2	ROKADE MANISH SUBHASH	<i>Manish</i>	<i>Manish</i>
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9	SAMBRE SHIVAM HEMANT	<i>Shivam</i>	<i>Shivam</i>
10	BARWAD NARESH RAMAKANT	<i>Naresh</i>	<i>Naresh</i>
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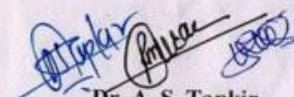




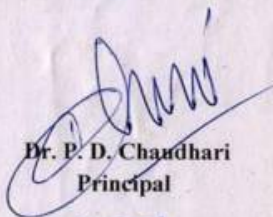
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22	JADHAV SHRADHA SHIVLAL	<u>Ashwajadhav</u>	<u>Ashwajadhav</u>
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30	AGALAVE SHRAVANI PANDURANG	<u>Shravan</u>	<u>Shravan</u>
31	SHINDE VARSHA PANNDURANG	<u>Varsha</u>	<u>Varsha</u>
32	RANE TEJASHREE SATISH	<u>Tejashree</u>	<u>Tejashree</u>
33	GAIKWAD SIDDHI GULCHAND	<u>Siddhi</u>	<u>Siddhi</u>
34	HANDE MAITHIL DATTATRAY	<u>Maithil Hande</u>	<u>Maithil Hande</u>
35	MARE PAVANKUMAR DATTATRAY	<u>Pavankumar</u>	<u>Pavankumar</u>
36	WASULE ANJALI RAJU	<u>Anjali</u>	<u>Anjali</u>
37	GAIKWAD ANUJ VITTHAL	<u>Anuj</u>	<u>Anuj</u>
38	PATEL AJAY ANGADLAL	<u>Ajay</u>	<u>Ajay</u>
39	DYAGATWAR MILIND GANGADHAR	<u>Milind</u>	<u>Milind</u>
40	DATE MAYURESH SITARAM	<u>Mayuresh</u>	<u>Mayuresh</u>
41	PHAPALE SANCHIT PRAKASH	<u>Sanchit</u>	<u>Sanchit</u>
42	BHONGALE PRASAD BHARAT	<u>Prasad</u>	<u>Prasad</u>
43	GAIKWAD AKASH ANGAD	<u>Akash</u>	<u>Akash</u>
44	CHAUDHARI KHUSHBOO KHIVARAM	<u>Khushboo</u>	<u>Khushboo</u>
45	NEMMANIWAR ABHISHEK SUNIL	<u>Abhishek</u>	<u>Abhishek</u>
46	GULHANE RITEEKA RAVINDRA	<u>Riteeka</u>	<u>Riteeka</u>
47	SEVATKAR MANSI NARHARI	<u>Mansi</u>	<u>Mansi</u>
48	MAJGAONKAR MANALI MAHADEV	<u>Manali</u>	<u>Manali</u>
49	WAGHMODE HARSHITA SHANKAR	<u>Harshita</u>	<u>Harshita</u>
50	KALE RUSHIKESH HANMANT	<u>Rushikesh</u>	<u>Rushikesh</u>



Dr. A. S. Tapkir,
Prof. R. M. Gurav
Prof. P. A. Pawar
NSS Programme Officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044





Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No. 21, Yamunanagar, Nigdi,
Pune - 411 044.



12. University level Nature conservation camp Report:



Progressive Education Society's
MODERN COLLEGE OF PHARMACY
Accredited by NAAC
Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (b) of UGC Act, 1956

Sector No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel : 020-27661315 Fax: 020-27661314
E-mail : mcapnigdi44@gmail.com Website : www.mcap.org.in


Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

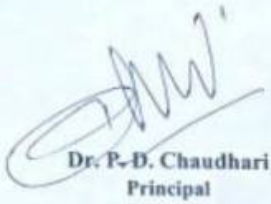
Prof. Dr. G. E. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council

Date: 25/02/2022

NOTICE

All the B. Pharm students of Modern College of Pharmacy, Nigdi Pune are hereby informed that SPPU has organized university level Swachh Bharat Abhiyan (Clean India)- Nature conservation camp from 27/02/2022 to 05/03/2022 at Ratangad, Kalsubai, Tal Akole, Dist. Ahamadnagar. Interested students can give their names to NSS office before 26/02/2022.




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

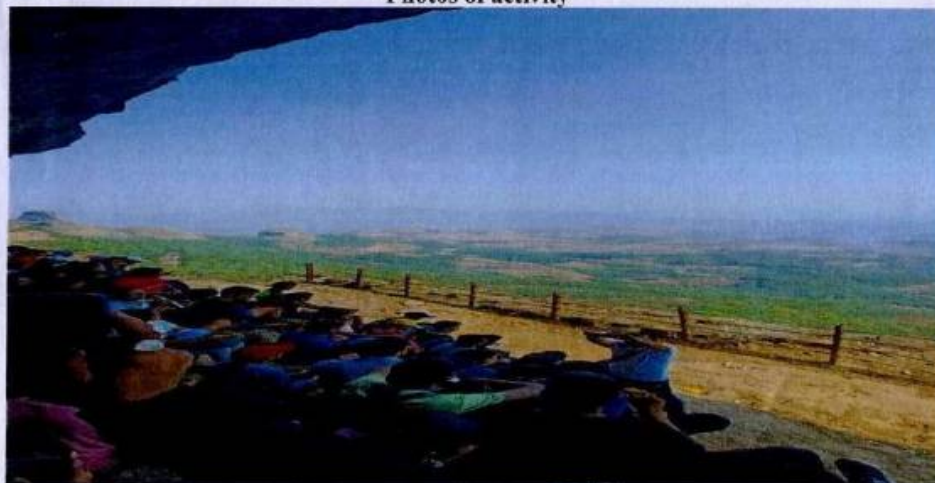
STRIVING TOWARDS EXCELLENCE FOREVER



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
NSS REGULAR ACTIVITY REPORT
2021-2022**

1.	Name of activity	University level Nature Conservation Camp
2.	Date of activity	27 Feb to 05 Mar 2022
3.	Time	6.00 am to 10.00 pm
4.	Total no students participated	1(Ganesh Shelke)
5.	Occasion of activity	Nature Conservation Camp
6.	Inauguration by	Dr. Prabhakar Desai
7.	Place of activity	Kalsubai Shikhar
8.	Objectives of activity	<ul style="list-style-type: none">• Awareness about Nature• To take part in nature conservation• Nature Empowerment
9.	Outcome of activity	<ul style="list-style-type: none">• Participant learn about social values and activities related to nature conservation, development, exchange of culture and humanity
10.	Activity co-coordinator	Dr. A. S. Tapkir Prof. R. M. Gurav

Photos of activity



Photos of University level Nature conservation camp dated 27/02/2022-05/03/2022



Photos of University level Nature conservation camp dated 27/02/2022-05/03/2022










AWARENESS CAMPAIGN

2020-21



13. Tree plantation Report:

   		
P. E. Society's Modern College of Pharmacy, Nigdi. Pune-44 NSS REGULAR ACTIVITY REPORT 2020-2021		
1.	Name of activity	Tree Plantation-Swatchh bharat Abhiyan
2.	Date of activity	03.07.2020
3.	Time	10.00 am to 2.00 pm
4.	Total no students participated	50
5.	Occasion of activity	Tree Plantation
6.	Inauguration by	Dr. P.D. Chaudhari
7.	Place of activity	PES Modern College of Pharmacy, Nigdi, and student home town
8.	Objectives of activity	To make the region green. To help in decrease in global warming To improve water and air quality To increase green spaces in cities. To conserve biodiversity.
9.	Outcome of activity	Students planted various saplings at different regions. Students get exposed to nature and understood importance of conservation of nature and biodiversity. Student get aware about proper scientific techniques of plantation.
10.	Activity co-coordinator	Dr. A. S. Tapkir





Progress E. Society's
MODERN COLLEGE OF PHARMACY,
Yamunanagar, Nigdi, Pune-44



Date: 01/07/2020

NOTICE

All the NSS Volunteers are hereby informed that NSS Unit of the college has organised **"Tree Plantation" on 3rd July 2020** at your nearby area. All are requested to actively participate in the activity.

Note:

All are requested to take a photograph during the activity & forward it the coordinator.

Dr. A. S. Tapkir
NSS Program Officer



Dr. P. D. Chaudhari
Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Photos of Tree plantation dated 03/07/2020
Photos of activity



Dr. A. S. Tapkir
NSS Program Officer







Dr. P.D. Chaudhari
Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044



4







**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

Name of activity: Tree Plantation


Date of activity: 03.07.2020

Sr. No.	Name Of Participants	Signature
1.	Inde Vaishnavi Somshankar	Vaishnavi
2.	Sanchit Kishor Madavi	Kishor
3.	Aher Omkar	Omkar
4.	Walunjkar Chaitanya	Chaitanya
5.	Gatkal Kajal	Kajal
6.	Khandagale Saakshi Suresh	Sakshi
7.	Suryawanshi Vaibhavi Ramesh	Vaibhavi
8.	Ranaware Sunita Ramadas	Sunita
9.	Taru Deepak Khandu	Deepak
10.	Hamdulay Yusra	Yusra
11.	Swaroop Sanjay Jadhav	Swaroop
12.	Jachak Dhanashree Nitin	Dhanashree
13.	Raut Pratiksha Laxman	Pratiksha
14.	Thorat Rutuja	Rutuja
15.	Shelke Ganesh Suresh	Ganesh
16.	Banduke Mugdha	Mugdha
17.	Shaikh Tabassum Rahim	Tabassum
18.	Maskare Mayuri Santosh	Mayuri
19.	Barwad Naresh Ramakant	Naresh
20.	Ratnaparkhi Aniket	Aniket
21.	Chimate Manasi Ashok	Manasi
22.	Kumbhar Nikhita Dattatray	Nikhita
23.	Nikalje Pritam	Pritam
24.	Gaikwad Abhijit Atmaram	Abhijit Gaikwad







25.	Waghmare Shrinath	Shrinath.
26.	Dalvi Aditya Navnath	D. Aditya
27.	Date Mayuresh Sitaram	Mayuresh
28.	Deokar Saakshi Shrikant	Sakshi
29.	Dhawade Siddhi	Siddhi D.
30.	Patil Shubham	Shubham
31.	Khedekar Tejas	Tejas.
32.	Shinde Ashish Hanmant	S. Ashish
33.	Dhumal Neha	Neha
34.	Shirsat Pranali Sanjay	Pranali S.
35.	Borole Samiksha Vishnu	S.V. Borole.
36.	Sambra Shivam Hemant	Shivam
37.	Shinde Shivanjali Bhau	Shivanjali
38.	Gaikwad Siddhi Gulchand	Siddhi G.
39.	Patil Sayali Dipak	Sayali Patil
40.	Sewatkar Mansi Narhari	Mansi
41.	Supe Akshay Ramdas	Akshay
42.	Gite Roshani Suryabhan	Roshani G.
43.	Gahiine Pritesh Namdev	Pritesh
44.	Pawar Siddhant Deepak	S.D. Pawar.
45.	Bansode Nikhil Pramod	Nikhil
46.	Yedage Pranita Sanjay	Pranita Y.
47.	Hage Vaibhav Ganesh	Vaibhav.
48.	Chavan Yash Dinesh	Y.D. Chavan.
49.	Onkar Dhole	Onkar.
50.	Swapnil Dhobe	Dhobe S.


Dr. A. S. Tapkir
NSS Program Officer





14. Swachha Bharat Abhiyaan- cleaning campaign Report:


 **Progress E. Society's
MODERN COLLEGE OF PHARMACY,
Yamunanagar, Nigdi, Pune-44** 


Date: 02/07/2020


NOTICE

All the students & staff members are hereby informed that NSS Unit of the college has organised "Swachh Bharat Abhiyan" on 04th July 2020; 10 to 01 pm at native place of participants. All are requested to actively participate in the activity.

Note:
Kindly capture geotag photos of this activity.


Dr. A. S. Tapkir
NSS Program Officer




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
NSS REGULAR ACTIVITY REPORT
2020-2021**

1.	Name of activity	Swachh Bharat Abhiyan
2.	Date of activity	04.07.2020
3.	Time	10.00 am to 2.00 pm
4.	Total no students participated	25
5.	Occasion of activity	Cleaning activity on occasion of swachh wari sunder wari haritwari
6.	Inauguration by	Dr. P.D. Chaudhari
7.	Place of activity	PES Modern College of Pharmacy, Nigdi, Pune-44
8.	Objectives of activity	To generate awareness about sanitation and its links to public health. To aware about waste management. To spread awareness about how to clean the premises. To maintain public health with the help of cleaning.
9.	Outcome of activity	Generated awareness in students and society regarding Swachh Bharat Abhiyan. Students understood how to do management of solid waste. As a pharmacist discussed and counseled regarding health and cleanliness and its relation in causing various diseases.
10.	Activity co-coordinator	Dr. A. S. Tapkir






Photos of Swachha Bharat Abhiyaan dated 04/07/2020




Dr. A. S. Tapkir
NSS Program Officer




Dr. P.D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



S

**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

Name of activity: Swachh Bharat Abhiyan-Cleaning campaign

Date of activity: 04.07.2020

Sr. No.	Name of Participants	Signature
1.	Dalvi Aditya Navnath	D. Aditya
2.	Date Mayuresh Sitaram	Mayuresh
3.	Deokar Saakshi Shrikant	Saakshi
4.	Dhawade Siddhi	Siddhi D.
5.	Patil Shubham	Shubham
6.	Khedekar Tejas	Tejas
7.	Shinde Ashish Hanmant	Ashish
8.	Dhumal Neha	Neha
9.	Shirsat Pranali Sanjay	Pranali S.
10.	Borole Samiksha Vishnu	S.V. Borole
11.	Sambra Shivam Hemant	Shivam
12.	Shinde Shivanjali Bhau	Shivanjali
13.	Gaikwad Siddhi Gulchand	Siddhi G.
14.	Patil Sayali Dipak	Sayali Patil
15.	Sewatkar Mansi Narhari	Mansi
16.	Supe Akshay Ramdas	Akshay
17.	Gite Roshani Suryabhan	Roshani G.
18.	Gahiine Pritesh Namdev	Pritesh
19.	Pawar Siddhant Deepak	S.D. Pawar
20.	Bansode Nikhil Pramod	Nikhil
21.	Yedage Pranita Sanjay	Pranita Y.
22.	Hage Vaibhav Ganesh	Vaibhav
23.	Chavan Yash Dinesh	Y. D. Chavan
24.	Onkar Dhole	Onkar
25.	Swapnil Dhobe	Dhobe S.

Dr. A. S. Papkir

NSS Program Officer





AWARENESS CAMPAIGN

2019-20



15. World record participation: Tree plantation in the “Palakhi Marg” Report:


**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**


Date: 18/06/2019


NOTICE

All the NSS Volunteers are hereby informed that NSS Unit of the college has going to participate in **“Guinness World Record: Neem Sampling Distribution”** organised by the Savitribai Phule Pune University on **23rd June 2019**. All are requested to actively participate in the activity.

Note:
Lunch & Tshirts will be provided by the University.





Dr. A. S. Tapkir
NSS Program Officer





Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



  		
<p style="text-align: center;">P. E. Society's Modern College of Pharmacy, Nigdi, Pune-44</p>		
<p style="text-align: center;">NSS REGULAR ACTIVITY REPORT 2019-20</p>		
1.	Name of activity	Guinness World Records
2.	Date of activity	23.06.2019
3.	Time	7.00 am to 5.00 pm
4.	Total no students participate	100
5.	Occasion of activity	Nirmal wari
6.	Inauguration by	Maharashtra Chief Minister Devendra Fadnavis
7.	Place of activity	SPPU
8.	Objectives of activity	The Savitribai Phule Pune University (SPPU) Sunday attempted to create a Guinness World record by distributing 16,631 saplings of neem to volunteers of the National Service Scheme (NSS), linked to more than 350 colleges. The saplings are likely to be planted along the Pune-Pandharpur pilgrimage route taken by warkaris during Ashadhi Wari,
9.	Outcome of activity	Above said objective achieved and created Guinness World record by distributing 16,631 saplings of neem to volunteers of the National Service Scheme (NSS).
10.	Activity co-coordinator	Prof. Mr. A. S. Tapkir

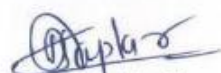





Photos of World record participation: Tree plantation in the “Palakhi Marg” dated
23/06/2019

Photos of activity








Dr. A. S. Tapkir
Program officer




Dr. P. D. Chaudhari
Principal




P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2019-2020

Name Of Activity: Guinness World Records
Date of Activity: 23.06.2019

Sr. No	Name of Student	Sign
1.	Kothari Vinay Nitinkumar	Vinay
2.	Yeole Akshay Ashok	Ashok
3.	Narwade Swapnadeep Namdeo	Swapnadeep
4.	Thakare Vivek Vasant	Vivek
5.	Powar Sayali Raju	Sayali
6.	Deshmukh Ketki Dinesh	Ketki
7.	More Mayur Satish	Mayur
8.	Pujari Suraj Shivaji	Suraj
9.	Gurav Tushar Sanjay	Tushar
10.	Kharsade Dnyaneshwar Vittal	Kharsade
11.	Pande Darshana Sudhakar	Pande
12.	Dhongade Janhavi Satish	Janhavi
13.	Jadhav Nikita Yashwant	Nikita
14.	Mahadik Monika Sanjay	Monika
15.	Gujare Ashwini Gangadhar	Ashwini
16.	Pawar Sayali Suresh	Sayali
17.	Mahadik Indrani Raman	Indrani
18.	Agarwal Saloni Manish	Saloni
19.	Karambelkar Aarya Avinash	Aarya
20.	Shinde Vaishali Rajkumar	Vaishali
21.	Ransing Vaishnavi Sunil	Vaishnavi
22.	Jadhav Gayatri Somanath	Gayatri
23.	Choudhary Bharti Jagdish	Bharti
24.	Amritkar Akanksha Praveen	Akanksha
25.	Abhang Siddhi Dnyaneshwar	Siddhi
26.	Wagh Pranjal Ashok	Pranjal
27.	Hajare Pratiksha Kantilal	Pratiksha
28.	Choure Saurabh Kailas	Saurabh





Criteria 7: Institutional Values and Best Practices

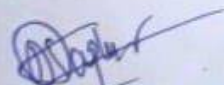


29.	Deshpande Urvi Vijay	<u>Deshpande</u>
30.	Shirke Disha Ajay	<u>Disha</u>
31.	Suryawanshi Pooja Prakash	<u>P. Pooja</u>
32.	Naykinde Sandhya	<u>Sandhya</u>
33.	Andre Rutuja Sunil	<u>Raj</u>
34.	Padale Neha Madan	<u>Padale</u>
35.	Shaikh Sufiyan Mohamadaslam	<u>Sufiyan</u>
36.	Pathan Ayesha Vinus	<u>Ayesha</u>
37.	ThoratRutuja Mahesh	<u>Rutuja</u>
38.	Tantri Rashmi Raveendra	<u>Rashmi</u>
39.	SavaseBhagyashreeHaridas	<u>Bhagyashree</u>
40.	Chaudhari Sagar Rohidas	<u>Sagar</u>
41.	Tiwari Shruti Ashok	<u>Shruti</u>
42.	Richardson Charmine .	<u>Charmine</u>
43.	Sudrik Kranti Gorakh	<u>Kranti</u>
44.	Chavan Yash Dinesh	<u>Yash</u>
45.	Todkar Aniket Sunil	<u>Aniket</u>
46.	Hamdulay Yusra Rafiq	<u>Yusra</u>
47.	Dighe Trupti Eknath	<u>Trupti</u>
48.	Borole Samiksha Vishnu	<u>Borole</u>
49.	Taru Deepak Khandu	<u>Deepak</u>
50.	Rokade Manish Subhash	<u>Manish</u>
51.	HandeMaithil Dattatray	<u>Hande</u>
52.	Shrivastav Kalyani Rahul	<u>Kalyani</u>
53.	SawkarRutuja Nitin	<u>Rutuja</u>
54.	Gaikwad Akash Angad	<u>Akash</u>
55.	Kale RushikeshHanmant	<u>Rushikesh</u>
56.	Ranaware Sunita Ramdas	<u>Sunita</u>
57.	GulhaneRiteeka Ravindra	<u>Riteeka</u>
58.	Gohil KhushabuBhikubhai	<u>Khushabu</u>
59.	Dhumal Neha Vinod	<u>Neha</u>
60.	Harne Shivani Sahadeo	<u>Shivani</u>
61.	ShirsatPranali Sanjay	<u>Pranali</u>
62.	Gatkal Kajal Baliram	<u>Kajal</u>
63.	Mate Dnyaneshwari Sandip	<u>Dnyaneshwari</u>
64.	Shinde ShivanjaliBhau	<u>Shivanjali</u>
65.	Raut Pratiksha Laxman	<u>Pratiksha</u>
66.	Patil Sayali Dipak	<u>Patil</u>
67.	Sewatkar Mansi Narhari	<u>Mansi</u>
68.	Supe Akshay Ramdas	<u>Supe</u>
69.	Barwad Naresh Ramakant	<u>Naresh</u>
70.	Chimte Manasi Ashok	<u>Manasi</u>





71.	Pawar Siddhant Deepak	<i>Pawar</i>
72.	Bansode Nikhil Pramod	<i>Bansode</i>
73.	Dhole Onkar Nishikant	<i>Dhole</i>
74.	Hage Vaibhav Ganesh	<i>Vaibhav</i>
75.	Khandagale Saakshi Suresh	<i>Khandagale</i>
76.	GiriRutujaVithal	<i>Rutuja</i>
77.	Patil Shubham Mahadev	<i>Shubham</i>
78.	SambraShivam Hemant	<i>Shivam</i>
79.	Patil Dinesh Vasudeo	<i>Patil</i>
80.	Gaikwad Siddhi Gulchand	<i>Siddhi</i>
81.	JachakDhanashree Nitin	<i>Jachak</i>
82.	Gite RoshaniSuryabhan	<i>Roshani</i>
83.	Surwase Onkar Vishnu	<i>Surwase</i>
84.	BandukeMugdha Vikas	<i>Banduke</i>
85.	SuryawanshiVaibhavi Ramesh	<i>Vaibhavi</i>
86.	Mande Tanvi Sanjay	<i>Mande</i>
87.	Date Mayuresh Sitaram	<i>Mayuresh</i>
88.	Khedekar Tejas Gulab	<i>Khedekar</i>
89.	Nemmaniwar Abhishek Sunil	<i>Abhishek</i>
90.	Jadhav Swaroopa Sanjay	<i>Jadhav</i>
91.	KalaskarSmitesh Narayan	<i>Kalaskar</i>
92.	Shelke Ganesh Suresh	<i>Shelke</i>
93.	Bhongale Prasad Bharat	<i>Bhongale</i>
94.	PhapaleSanchit Prakash	<i>Phapale</i>
95.	Gahiine Pritesh Namdev	<i>Gahiine</i>
96.	YedagePranita Sanjay	<i>Yedage</i>
97.	Ratnaparkhi Aniket Girishrao	<i>Ratnaparkhi</i>
98.	Sawant Nitesh Shankar	<i>Sawant</i>
99.	BandukeMugdha Vikas	<i>Banduke</i>
100.	Mahajan Akshay Gopal	<i>Mahajan</i>


Signature

NSS Programme Officer



16. Swachha Wari – Swastha Wari- Nirmal Wari – Harit Wari Abhiyaan-leaf
patra valivatap Report:


**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**


Date: 22/06/2019

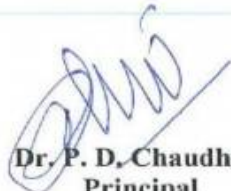
NOTICE

All the NSS Volunteers are hereby informed that NSS Unit of the college has going to participate in “Swachha Wari-Swastha Wari-Nirmal Wari-Hareet Wari Abhiyan: Patrawali Vatap” activity organised by Modern College of Pharmacy, Nigdi on 24/06/2019. All are requested to actively participate in the activity.

Note:
Interested volunteers are informed to submit their names to NSS office.


Dr. A. S. Tapkir
NSS Program Officer




Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2019-20

**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2019-20

1.	Name of activity	Swachha Wari-Swastha Wari-Nirmal Wari-Hareet Wari Abhiyan Patravali Watap (distribution of dish prepared from plant leaf are used to serve food)
2.	Date of activity	24/06/2019
3.	Time	8am to 1pm
4.	Total no students participate	10
5.	Occasion of activity	Nirmal wari
6.	Inauguration by	Mr. Raosaheb Kalokhe
7.	Place of activity	Dehugaon
8.	Objectives of activity	To keep city clean , avoid plastic and thermacol plates and promote to use patravali for lunch and dinner by pilgrims
9.	Outcome of activity	1 lakh patravali distributed in dehugaon so we avoid plastic and thermacol use and achive the goal of nirmal wari swatch wari
10.	Activity co-coordinator	Dr. A. S. Tapkir





Photos of Swachhawari-swasthawari- nirmalwari-haritwariAbhiyaan-leaf patraivalivatap
dated 24/06/2029


Photos of activity





Photos of Swachhawari-swasthawari- nirmalwari-haritwariAbhiyaan-leaf patraivalivatap
dated 24/06/2029




Dr. A. S. Tapkir
Program officer




Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2019-2020

Name Of Activity: Swachha wari Swastha wari

Date of Activity: 24.06.2019

Sr. No	Name of Student	Sign
1.	Nikhil Gabale	Gabale
2.	Onkar Aher	Aher
3.	Santosh-kumar kashid	Kashid
4.	Swapnil Dhobe	Dhobe
5.	Abhishek Khairne	Khairne
6.	Chavan Yash	Nash
7.	Deshpande Vijay	Despande
8.	Nareesh Barwad	Nareesh
9.	Swapnadeep Narwade	Narwade
10.	Shaikh Sufiyan	Shaikh


Signature

NSS Programme Officer





17. Save water (Ganesh idols donation and Nirmalya collection activity) Report:


**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**


Date: 03/09/2019

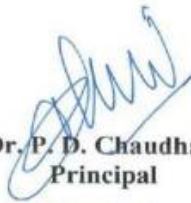
NOTICE

All the NSS Volunteers are hereby informed that NSS Unit of the college has organised **"Donation of the Ganpati Bappa Idols"** activity on **06.09.2019**. All are requested to actively participate in the activity.

Note:
Volunteers will collect the Ganpati Bappa Idols instead of immersing Ganesh idols into the rivers to prevent water pollution: Swachh Bharat abhiyan.


Dr. A. S. Tapkir
NSS Program Officer




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

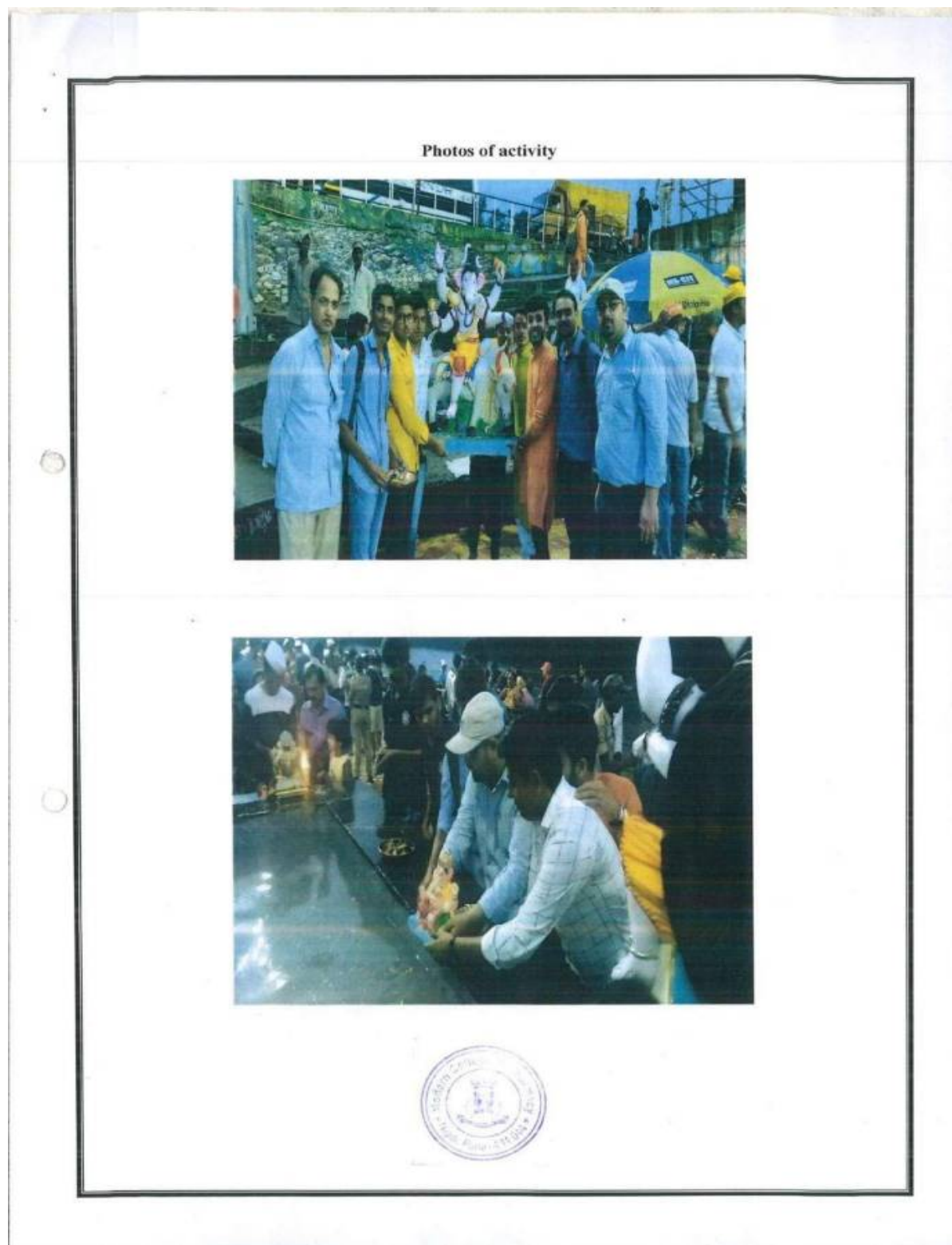
NSS REGULAR ACTIVITY REPORT 2019-20

1.	Name of activity	Donation the Ganpati bappa idols: Instead of immersing Ganesh idols, families and mandals donated the idols to NSS unit of MCOP to prevent water pollution, this Swachh Bharat Abhiyan was conducted in collaboration with sanskar pratishthan chinchwad
2.	Date of activity	06.09.2019
3.	Time	5pm to 8 pm
4.	Total no students participate	20
5.	Occasion of activity	Ganpati visarjan
6.	Inauguration by	Dr. Mohan Gaikwad sanskar pratishthan chinchwad
7.	Place of activity	Morya Gosavi , Pawana Nadi Ghat, Chinchwad, Pune.
8.	Objectives of activity	To prevent water pollution, river pollution To keep environment clean and safe
9.	Outcome of activity	Ganesh idols not immersed in a river by citizen, hence the objectives are achieved. Some citizen immersed the idol in artificial tanks rather than river.
10.	Activity co-coordinator	Dr. A. S. Tapkir





Photos of Save water (Ganesh idols donation and Nirmalya collection activity) dated
06/09/2019

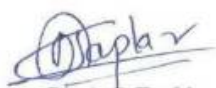




Photos of Save water (Ganesh idols donation and Nirmalya collection activity) dated

06/09/2019




Dr. A. S. Tapkir
Program officer




Dr. P. D. Chaudhari
Principal

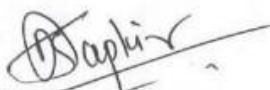


P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2019-2020

Name Of Activity: Donation the Ganpati bappa idols

Date of Activity: 06.09.2019

Sr. No	Name of Student	Sign
1.	Shruti Tiwari	<u>Shruti</u>
2.	Swapnil Dhobe	<u>Dhobe</u>
3.	Shalikh Sufyan	<u>S Shaikh</u>
4.	Onkar Aher	<u>Onkar</u>
5.	Onkar Dhole	<u>Dhole</u>
6.	Yash Girwan	<u>Y. Ghu.</u>
7.	Rushi Kale	<u>Rushi Kale</u>
8.	Rutuja Thorat	<u>Thorat</u>
9.	Abhishek Nimmiwar	<u>AN</u>
10.	Onkar Surwase	<u>Onkar</u>
11.	Akash Gaikwad	<u>Gaikwad</u>
12.	Atharva Nande	<u>Atharva</u>
13.	Akshay Mahamuni	<u>Mahamuni</u>
14.	Sumit Udawat	<u>Sumit</u>
15.	Sanket Talegaonkar	<u>Sanket</u>
16.	Shiva Khanal	<u>Shiva</u>
17.	Pranav Yelambar	<u>Pranav</u>
18.	Divya Hagawane	<u>Divya</u>
19.	Aparna Avhad	<u>Aparna</u>
20.	Saloni Yadav	<u>Saloni</u>


Signature
NSS Programme Officer





18. Swachh Bharat Abhiyan Cleaning campaign near Morya Gosavi mandir Report:

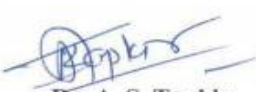
**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**


Date: 28/09/2019


NOTICE

All the NSS Volunteers are hereby informed that NSS Unit of the college has organised "Swachh Bharat Abhiyan Cleaning campaign at Morya Gosavi Mandir and Pawana river" activity on **02.10.2019** at 10:00 am to 1:00 pm. All are requested to actively participate in the activity.

Note:
GPS location will be shared on WhatsApp Group


Dr. A. S. Tapkir
NSS Program Officer




Dr. P. D. Chaudhari
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2019-20

1.	Name of activity	Swachh Bharat Abhiyan Cleaning campaign Morya Gosavi mandir and Pawana river on occasion of Mahatma Gandhi Jayanti Celebration
2.	Date of activity	02.10.2019
3.	Time	7am to 10am
4.	Total no students participate	20
5.	Occasion of activity	Gandhi Jayanti
6.	Inauguration by	NSS volunteers
7.	Place of activity	Morya Gosavi mandir parisar
8.	Objectives of activity	To prevent water pollution, river pollution To keep environment clean and safe
9.	Outcome of activity	River area is clean successfully, area was cleaned
10.	Activity co-coordinator	Dr. A. S. Tapkir

Photos of activity

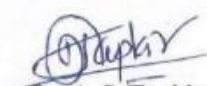


Photo of Swachh Bharat Abhiyan Cleaning campaign near Morya Gosavi mandir dated 02/10/2019




Photos of Swachh Bharat Abhiyan Cleaning campaign near Morya Gosavi mandir dated
02/10/2019




Dr. A. S. Tapkir
Program officer




Dr. P. D. Chaudhari
Principal



**P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2019-2020**

Name Of Activity: Swachh Bharat Abhiyan

Date of Activity: 02.10.2019

[Morya Gosavi
Cleaning Campaign]

Sr. No	Name of Student	Sign
1.	shruti Tiwari	S. Tiwari
2.	Swapnil Dhobe	Dhobe
3.	Shaikh Sufiyan	S. Shaikh
4.	Onkar Aher	Onkar
5.	Onkar Dhobe	Dhobe
6.	Yogish Girwani	X. Ghe
7.	Rushi Kale	Rushi Kale
8.	Rutuja Thorat	Thorat
9.	Abhishank Nimniwar	Abh.
10.	Onkar Surwase	Onkar
11.	Powar Sayali	Sayali
12.	Padale Neha	Padale
13.	Chavan Yash	Yash
14.	Gite Roshani	Roshani
15.	Giri Rutuja	Rutuja
16.	Deshpande Vijay	Deshpande
17.	Pathan Ayesha	Pathan
18.	Narwade Swapnadeep	Narwade
19.	Patil Sayali	Patil
20.	Barwad Naresh	Naresh

Signature

NSS Programme Officer





19. Clean India Mission Awareness rally Report:

**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
National Service Scheme 2019-20**

Date: 06/01/2020

NOTICE


All the NSS volunteers for the year 2019-20 are hereby informed that NSS **SPECIAL CAMP** for this year is arranged at **At post Shirgaon Tal. Mawal, Dist Pune, from 13th January 2020 to 19th January 2020**. Interested volunteers those who have enrolled for the year 2019-20 as NSS volunteers can enroll their names to undersigned before 09/01/2020.

Total no. of volunteers to be enrolled for camp are: **50**


Sequence of preference to be enrolled


- 1) Final year Students
- 2) Third year students
- 3) Second year students

Further details of the camp will be notice soon.




Dr. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.





Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.





P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
National Service Scheme 2019-20

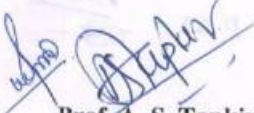
Date: 06/01/2020

NOTICE

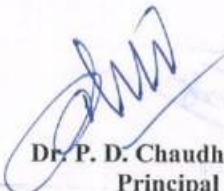
All teaching and non teaching faculty members are hereby informed that **WINTER SPECIAL CAMP** of NSS for this year is arranged at **At post Shirgaon Tal. Mawal, Dist Pune, from 13th January 2020 to 19th January 2020**. All teaching staff members are requested to share the own views, ideas on any activity related to NSS, patriotism, personality development, safety training, safety of health related camp, with the NSS volunteers in the camp and cooperate for conducting the camp. Your suggestions if any are welcome.

The scheduled of the activities/collaborative projects in the camp will be display and circulate soon.

Thanking you.


Prof. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.




Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.





**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS CAMP ACTIVITY REPORT 2019-2020

1.	Name of activity	Clean India mission awareness rally
2.	Date of activity	14/01/2020
3.	Time	9.30 am to 11.00am
4.	Total no students participate	50
5.	Occasion of activity	NSS camp
6.	Inauguration by	Dr. Amit Tapkir
7.	Place of activity	At post Shirgaon Tal. Mawal, Dist Pune.
8.	Objectives of activity	To Create awareness among communities towards sanitation and cleanliness. To aware peoples improving the quality of life in rural areas through cleanliness and personal hygiene.
9.	Outcome of activity	Community peoples were encouraged to maintain their surrounding clean and hygienic.
10.	Activity co-coordinator	Dr. Amit Tapkir





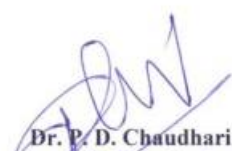
Photos of Clean India Mission Awareness rally dated 14/01/2020

Photos of activity




Dr. Amit Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

Name of activity: NSS Camp

Place: A/P Shirgaon, Tal: Mawal, Dist: Pune

Date of activity: 13/01/2020 to 19/01/2020

Sr. No.	Name	Signature
1.	Powar Sayali Raju	<i>Sayali</i>
2.	Tiwari Shruti Ashok	<i>Shruti</i>
3.	Savase Bhagyashree Haridas	<i>Bhagyashree</i>
4.	Thorat Rutuja Mahesh	<i>Rutuja</i>
5.	Chaudhari Sagar Rohidas	<i>Sagar</i>
6.	Richardson Charmine	<i>Charmine</i>
7.	Sudrik Kranti Gorakh	<i>Kranti</i>
8.	Tantri Rashmi Raveendra	<i>Rashmi</i>
9.	Bansode Nikhil Pramod	<i>Nikhil</i>
10.	Kothari Vinay Nitinkumar	<i>Vinay</i>
11.	Ycole Akshay Ashok	<i>Akshay</i>
12.	Narwade Swapnadeep Namdeo	<i>Narwade</i>
13.	Thakare Vivek Vasant	<i>Vivek</i>
14.	Deshmukh Ketki Dinesh	<i>Ketki</i>
15.	More Mayur Satish	<i>More S.M</i>
16.	Pujari Suraj Shivaji	<i>Suraj</i>
17.	Gurav Tushar Sanjay	<i>Tushar S.</i>
18.	Kharsade Dnyaneshwar Vittal	<i>Dnyaneshwar</i>
19.	Pande Darshana Sudhakar	<i>Pande</i>
20.	Chavan Yash Dinesh	<i>Yash</i>
21.	Yedage Pranita Sanjay	<i>Pranita</i>
22.	Pathan Ayesha Vinus	<i>Pathan</i>





23.	Dhongade Janhavi Satish	Janhavi Dhongade
24.	Jadhav Nikita Yashwant	Nikita
25.	Mahadik Monika Sanjay	Monika M.
26.	Gujare Ashwini Gangadhar	Ashwini
27.	Pawar Sayali Suresh	Sayali
28.	Dhat Vaishnavi Shriram	Vaishnavi
29.	Mahadik Indrani Raman	Indrani
30.	Agarwal Saloni Manish	Saloni
31.	Karambelkar Aarya Avinash	Aarya
32.	Shinde Vaishali Rajkumar	Vaishali
33.	Ransing Vaishnavi Sunil	Vaishnavi
34.	Jadhav Gayatri Somanath	Gayatri
35.	Choudhary Bharti Jagdish	Bharti
36.	Amritkar Akanksha Praveen	Akanksha
37.	Abhang Siddhi Dnyaneshwar	Siddhi
38.	Wagh Pranjal Ashok	Pranjal
39.	Hajare Pratiksha Kantilal	Pratiksha
40.	Choure Saurabh Kailas	Saurabh
41.	Deshpande Urvi Vijay	Urvide
42.	Shirke Disha Ajay	Disha
43.	Suryawanshi Pooja Prakash	Pooja
44.	Naykinde Sandhya	Sandhya
45.	Andre Rutuja Sunil	Rutuja
46.	Ratnaparkhi Aniket Girishrao	Aniket
47.	Sawant Nitesh Shankar	Nitesh
48.	Padale Neha Madan	Neha
49.	Shaikh Sufiyan Mohamadaslam	Sufiyan
50.	Pawar Siddhant Deepak	Deepak


Dr. A. S. Tapkir
NSS program officer





20. Gram Swachhta Abhiyaan Report:

**P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
National Service Scheme 2019-20**

Date: 06/01/2020

NOTICE


All the NSS volunteers for the year 2019-20 are hereby informed that NSS **SPECIAL CAMP** for this year is arranged at **At post Shirgaon Tal. Mawal, Dist Pune, from 13th January 2020 to 19th January 2020**. Interested volunteers those who have enrolled for the year 2019-20 as NSS volunteers can enroll their names to undersigned before 09/01/2020.

Total no. of volunteers to be enrolled for camp are: **50**


Sequence of preference to be enrolled


- 1) Final year Students
- 2) Third year students
- 3) Second year students

Further details of the camp will be notice soon.




Dr. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.





Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.





**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS CAMP ACTIVITY REPORT 2019-2020

1.	Name of activity	Gram swachataAbhiyan
2.	Date of activity	15/01/2020
3.	Time	7.30 am to 12.00pm
4.	Total no students participate	50
5.	Occasion of activity	NSS camp activity
6.	Inauguration by	Students and Villagers
7.	Place of activity	At post Shirgaon Tal. Mawal, Dist Pune.
8.	Objectives of activity	To clean the premises of At post Shirgaon Tal. Mawal, Dist Pune. To make the students aware about the cleaning.
9.	Outcome of activity	ShirgaonPremiseshas been free from unwanted dusty materials and students got idea regarding importance of cleaning activity to keep good environment.
10.	Activity co-coordinator	Dr. Amit Tapkir





Photos of gram Swachata Abhiyaan dated 15/01/2020

Photos of activity




Dr. Amit Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

Name of activity: NSS Camp

Place: A/P Shirgaon, Tal: Mawal, Dist: Pune

Date of activity: 13/01/2020 to 19/01/2020

Sr. No.	Name	Signature
1.	PowarSayali Raju	<i>Sayali</i>
2.	Tiwari Shruti Ashok	<i>Shruti</i>
3.	SavaseBhagyashreeHaridas	<i>Bhagyashree</i>
4.	ThoratRutuja Mahesh	<i>Rutuja</i>
5.	Chaudhari Sagar Rohidas	<i>Sagar</i>
6.	Richardson Charmine	<i>Charmine</i>
7.	Sudrik Kranti Gorakh	<i>Kranti</i>
8.	Tantri Rashmi Raveendra	<i>Rashmi</i>
9.	Bansode Nikhil Pramod	<i>Nikhil</i>
10.	Kothari Vinay Nitinkumar	<i>Vinay</i>
11.	YeoleAkshay Ashok	<i>Akshay</i>
12.	NarwadeSwapnadeepNamdeo	<i>Narwade</i>
13.	Thakare Vivek Vasant	<i>Vivek</i>
14.	Deshmukh Ketki Dinesh	<i>Ketki</i>
15.	More Mayur Satish	<i>Mayur S.M</i>
16.	Pujari Suraj Shivaji	<i>Suraj</i>
17.	Gurav Tushar Sanjay	<i>Tushar S.</i>
18.	Kharsade Dnyaneshwar Vittal	<i>Dnyaneshwar</i>
19.	Pande Darshana Sudhakar	<i>Pande</i>
20.	Chavan Yash Dinesh	<i>Yash</i>
21.	YedagePranita Sanjay	<i>Pranita</i>
22.	Pathan Ayesha Vinus	<i>Pathan</i>

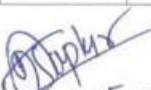




Criteria 7: Institutional Values and Best Practices



23.	Dhongade Janhavi Satish	Janhavi Dhongade
24.	Jadhav Nikita Yashwant	Nikita
25.	Mahadik Monika Sanjay	Monika M.
26.	Gujare Ashwini Gangadhar	Ashwini
27.	Pawar Sayali Suresh	Sayali
28.	Dhat Vaishnavi Shriram	Vaishnavi
29.	Mahadik Indrani Raman	Indrani
30.	Agarwal Saloni Manish	Saloni
31.	Karambelkar Aarya Avinash	Aarya
32.	Shinde Vaishali Rajkumar	Vaishali
33.	Ransing Vaishnavi Sunil	Vaishnavi
34.	Jadhav Gayatri Somanath	Gayatri
35.	Choudhary Bharti Jagdish	Bharti
36.	Amritkar Akanksha Praveen	Akanksha
37.	Abhang Siddhi Dnyaneshwar	Siddhi
38.	Wagh Pranjal Ashok	Pranjal
39.	Hajare Pratiksha Kantilal	Pratiksha
40.	Choure Saurabh Kailas	Saurabh
41.	Deshpande Urvi Vijay	Urpande
42.	Shirke Disha Ajay	Disha
43.	Suryawanshi Pooja Prakash	Pooja
44.	Naykinde Sandhya	Sandhya
45.	Andre Rutuja Sunil	Rutuja
46.	Ratnaparkhi Aniket Girishrao	Aniket
47.	Sawant Nitesh Shankar	Nitesh
48.	Padale Neha Madan	Padale
49.	Shaikh Sufiyan Mohamadaslam	Sufiyan
50.	Pawar Siddhant Deepak	Deepak P.


Dr. A. S. Tapkir
NSS program officer





21. Tree plantation Report:

**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
National Service Scheme 2019-20**

Date: 06/01/2020

NOTICE


All the NSS volunteers for the year 2019-20 are hereby informed that NSS **SPECIAL CAMP** for this year is arranged at **At post Shirgaon Tal. Mawal, Dist Pune, from 13th January 2020 to 19th January 2020**. Interested volunteers those who have enrolled for the year 2019-20 as NSS volunteers can enroll their names to undersigned before 09/01/2020.

Total no. of volunteers to be enrolled for camp are: **50**


Sequence of preference to be enrolled


- 1) Final year Students
- 2) Third year students
- 3) Second year students

Further details of the camp will be notice soon.




Dr. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.





Dr. P. D. Chaudhari
Principal
Principal
P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.





**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS REGULAR ACTIVITY REPORT 2019-2020

1.	Name of activity	Tree Plantation activity.
2.	Date of activity	16.01.2020
3.	Time	11am-1pm
4.	Total no students participate	50
5.	Occasion of activity	NSS camp activity
6.	Inauguration by	Dr. Amit Tapkir
7.	Place of activity	At post Shirgaon Tal. Mawal, Dist Pune.
8.	Objectives of activity	To clean the Shirgaon premises or Destruction of unwanted weeds and to sow the seeds for plant growth. To make the students aware about the tree plantation on hills. To make the premises green.
9.	Outcome of activity	The Premises of Shirgaon is free from unwanted weeds and students got idea how to do tree plantation and importance of tree plantation for our forest ecosystem.
10.	Activity co-coordinator	Dr. Amit Tapkir.




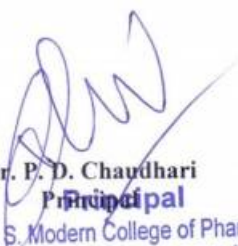


Photos of Tree plantation dated 16/01/2020

Photos of activity




Dr. Amit Tapkir.
NSS Program officer


Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

Name of activity: NSS Camp

Place: A/P Shirgaon, Tal: Mawal, Dist: Pune

Date of activity: 13/01/2020 to 19/01/2020

Sr. No.	Name	Signature
1.	PowarSayali Raju	<i>Sayali</i>
2.	Tiwari Shruti Ashok	<i>Shruti</i>
3.	SavaseBhagyashreeHaridas	<i>Bhagyashree</i>
4.	ThoratRutuja Mahesh	<i>Rutuja</i>
5.	Chaudhari Sagar Rohidas	<i>Sagar</i>
6.	Richardson Charmine	<i>Charmine</i>
7.	Sudrik Kranti Gorakh	<i>Kranti</i>
8.	Tantri Rashmi Raveendra	<i>Rashmi</i>
9.	Bansode Nikhil Pramod	<i>Nikhil</i>
10.	Kothari Vinay Nitinkumar	<i>Vinay</i>
11.	YeoleAkshay Ashok	<i>Akshay</i>
12.	NarwadeSwapnadeepNamdeo	<i>Narwade</i>
13.	Thakare Vivek Vasant	<i>Vivek</i>
14.	Deshmukh Ketki Dinesh	<i>Ketki</i>
15.	More Mayur Satish	<i>Mayur S.M</i>
16.	Pujari Suraj Shivaji	<i>Suraj</i>
17.	Gurav Tushar Sanjay	<i>Tushar S.</i>
18.	Kharsade Dnyaneshwar Vittal	<i>Dnyaneshwar</i>
19.	Pande Darshana Sudhakar	<i>Pande</i>
20.	Chavan Yash Dinesh	<i>Yash</i>
21.	YedagePranita Sanjay	<i>Pranita</i>
22.	Pathan Ayesha Vinus	<i>Pathan</i>






Criteria 7: Institutional Values and Best Practices



23.	Dhongade Janhavi Satish	Janhavi Dhongade
24.	Jadhav Nikita Yashwant	Nikita
25.	Mahadik Monika Sanjay	Monika M.
26.	Gujare Ashwini Gangadhar	Ashwini
27.	Pawar Sayali Suresh	Sayali
28.	Dhat Vaishnavi Shriram	Vaishnavi
29.	Mahadik Indrani Raman	Indrik
30.	Agarwal Saloni Manish	Saloni
31.	Karambelkar Aarya Avinash	Aarya
32.	Shinde Vaishali Rajkumar	Vaishali
33.	Ransing Vaishnavi Sunil	Vaishnavi
34.	Jadhav Gayatri Somanath	Gayatri
35.	Choudhary Bharti Jagdish	Bharti
36.	Amritkar Akanksha Praveen	Akanksha
37.	Abhang Siddhi Dnyaneshwar	Siddhi
38.	Wagh Pranjal Ashok	Pranjal
39.	Hajare Pratiksha Kantilal	Pratiksha
40.	Choure Saurabh Kailas	Saurabh
41.	Deshpande Urvi Vijay	Despande
42.	Shirke Disha Ajay	Disha
43.	Suryawanshi Pooja Prakash	Pooja
44.	Naykinde Sandhya	Sandhya
45.	Andre Rutuja Sunil	Rutuja
46.	Ratnaparkhi Aniket Girishrao	Aniket
47.	Sawant Nitesh Shankar	Nitesh
48.	Padale Neha Madan	Nehale
49.	Shaikh Sufiyan Mohamadaslam	Sufiyan
50.	Pawar Siddhant Deepak	Deepak P.


Dr. A. S. Tapkir
NSS program officer





22. Sinhagadh Fort cleaning camp Report:

**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

Date: 20/02/2020

NOTICE

All the NSS volunteers are hereby informed that NSS Unit of the college has organised **"Sinhgad Fort Cleaning Camp & conservation of fort"** activity on **23.02.2020** at 07 am to 07 pm

Note:

All interested participants are informed to report before 6:50am at Sinhgad fort.

Dr. A. S. Tapkir
NSS Program Officer



Dr. P. D. Chaudhari
Principal

Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44

NSS REGULAR ACTIVITY REPORT 2019-20

1.	Name of activity	Sinhgad Fort Cleaning Camp and conservation of fort
2.	Date of activity	23.02.2020
3.	Time	7 am to 5 pm
4.	Total no students participate	20
5.	Occasion of activity	Swatchh bharat abhyan, gadh sanvardhan
6.	Inauguration by	Dr. Umbhrani, VC of SPPU
7.	Place of activity	Sinhgad fort
8.	Objectives of activity	To clean the fort To make the people aware about cleaning of historical place.
9.	Outcome of activity	Sinhgad fort was clean
10.	Activity co-coordinator	Dr. A. S. Tapkir

Photos of activity

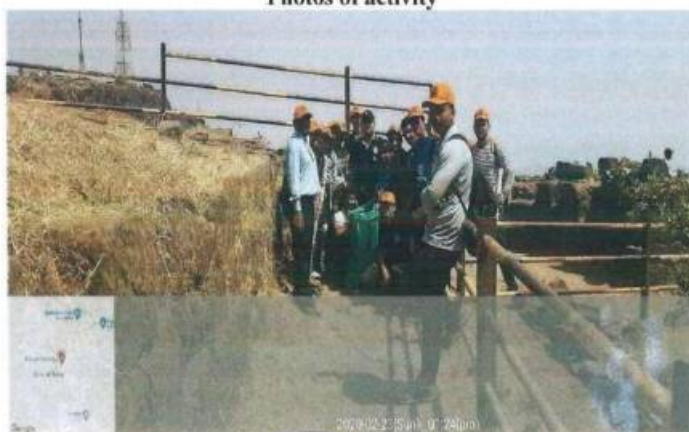
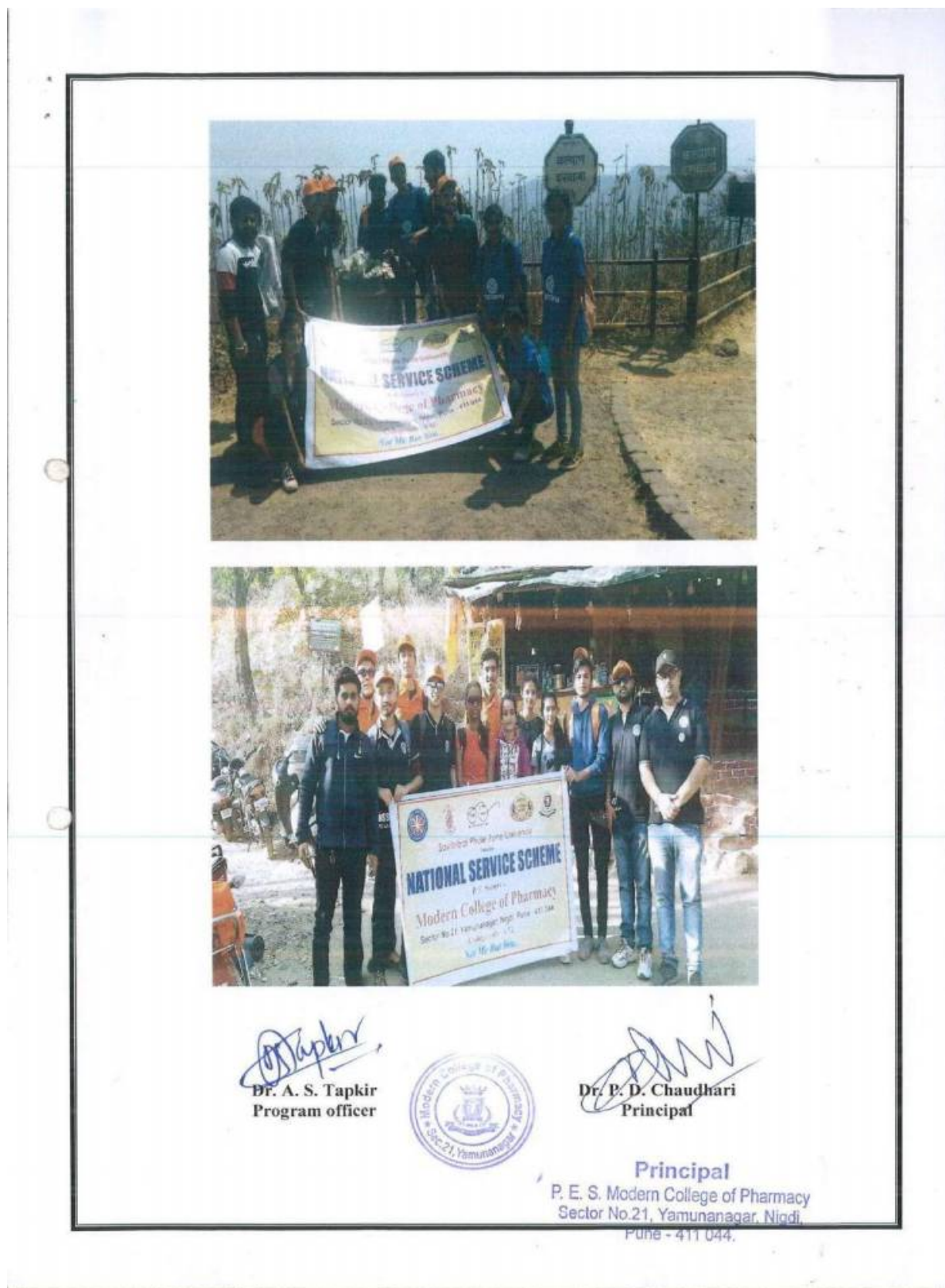


Photo of Sinhagadh Fort cleaning camp dated 23/02/2020



Photo of Sinhagadh Fort cleaning camp dated 23/02/2020





**P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2019-2020**

Name Of Activity: **Sinhgad Fort Cleaning Camp**

Date of Activity: **23.02.2020**

Sr. No	Name of Student	Sign
1.	Atharva Nande	ANANDE.
2.	Akshay Mahamuni	akshay17.
3.	Sumit Udawant	Sumit
4.	Sanket Talegaonkar	Sanket T.
5.	Shiva Khandal	Shankals.
6.	Pranav Yelamkar	Pranav.
7.	Divya Hagware	Divya.
8.	Aparna Avhad	Aparna.
9.	Saloni Radav	Yadav S.
10.	Jagruiti Yempure	Jagruiti.
11.	Nitesh Agrawal.	NITESH
12.	Powar Sayali	Sayali
13.	Padale Neha	Nadale
14.	Chavan Rash	Rash
15.	Giriraj Rasthni	Rasthni
16.	Giriraj Rutuja	Rutujal
17.	Beshpande Vijay	Beshpande
18.	Pathan Ayesha	Pathan
19.	Patil Sayali	Patil
20.	Borwad Nareesh	Nareesh

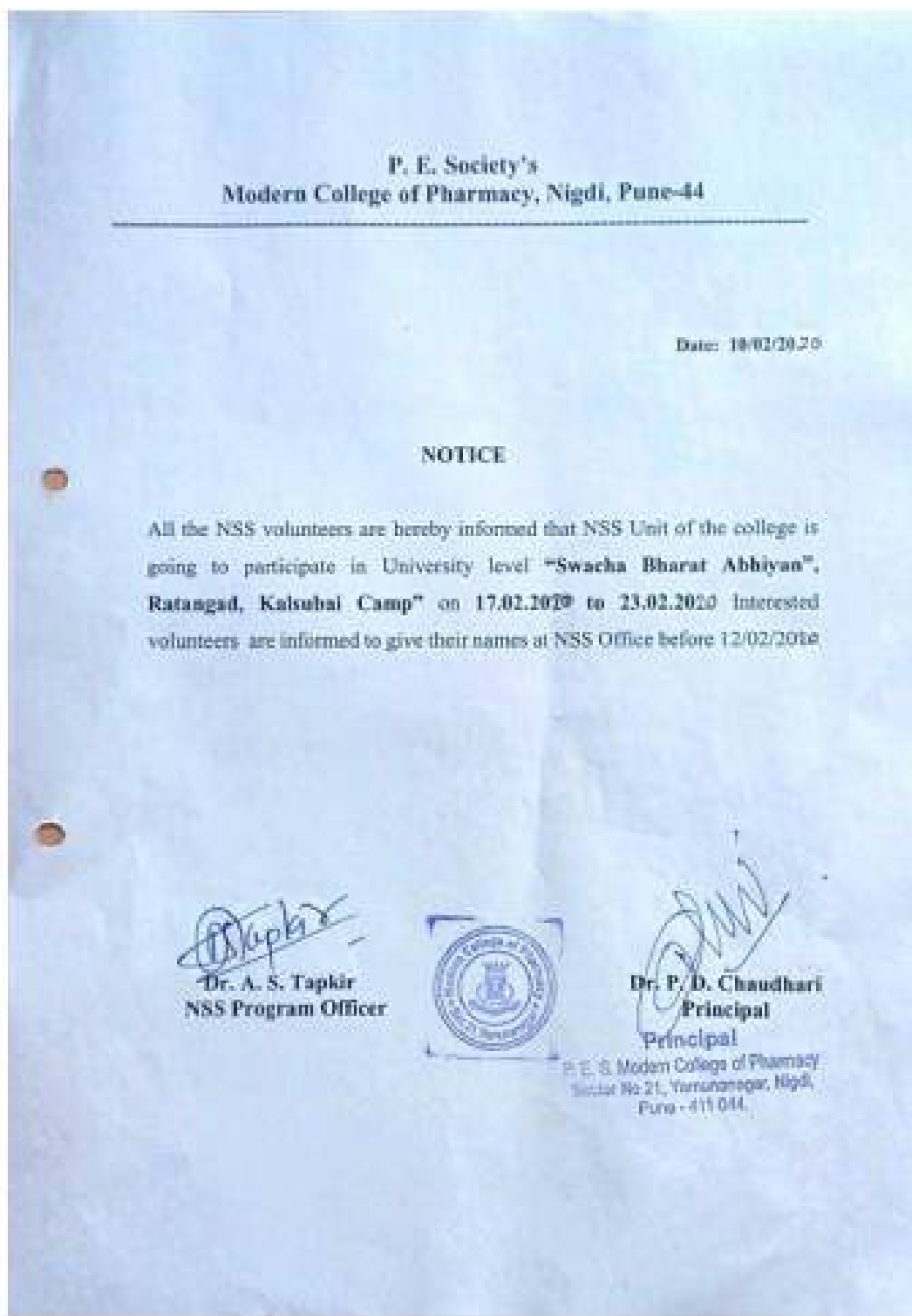

Signature

NSS Programme Officer






23. Swachha Bharat Abhiyaan- Ratangadh, Kalsubai camp Report:





P. E. Society's Modern College of Pharmacy, Nigdi, Pune-44		
NSS REGULAR ACTIVITY REPORT 2019-20		
1.	Name of activity	"Swachh Bharat Abhiyan", Ratangadh, Kalsubai camp university level residential camp
2.	Date of activity	17.02.2020 to 23.02.2020
3.	Time	Residential camp
4.	Total no students participate	4
5.	Occasion of activity	
6.	Inauguration by	Dr. D.Y. Paul ACS College, Pimpri, Pune & Dr. D.Y. Paul ACS College, Akurdi, Pune.
7.	Place of activity	Ratangadh, Kalsubai forest, Top Akole, Dist. Ahmednagar.
8.	Objectives of activity	<ul style="list-style-type: none">Swachh Bharat AbhiyanTo create awareness amongst the students.
9.	Outcome of activity	<ul style="list-style-type: none">The ratangadh fort was cleaned by NSS volunteers.
10.	Activity co-ordinator	Dr. A. S. Tapkir

Photos of activity



Photos of Swachha Bharat Abhiyaan- Ratangadh, Kalsubai camp dated 17/02/2020-
23/02/2020



Photos of Swachha Bharat Abhiyaan- Ratangadh, Kalsubai camp dated 17/02/2019-

23/02/2019








Dr. A. S. Tapkir
Program officer




Dr. P. B. Chaudhari
Principal





Principal
P. E. S. Modern College of Pharmacy
Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.





   

**P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44
NSS REGULAR ATTENDANCE
2019-2020**

Name Of Activity: Swachh Bharat Abhiyan (Ratangad, Kharasubai Camp)
Date of Activity: 17.02.2020 to 23.02.2020

Sr. No.	Name of Student	Sign
1.	Shwasti Tiwari	
2.	Swarnil Dhobe	
3.	Ankur Aher	
4.	Pratiksha Jadhav	


Signature
NSS Programme Officer





AWARENESS CAMPAIGN

2018-19



24. Gram Swachhata Abhiyaan Report:

**P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
National Service Scheme 2018-19**

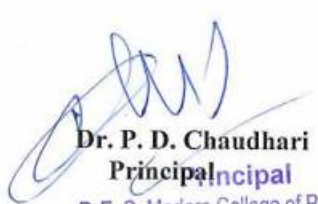
Date: 09/01/2019

NOTICE

All the teaching and non teaching faculty members are hereby informed that **Special winter camp** of NSS volunteers of Modern College of Pharmacy, Nigdi will be arranged at **At post Shirgaon Tal. Mawal, Dist Pune, from 14th January 2019 to 20th January 2019.**

Attached listed student of Second year, Third year and Final year B. Pharm are selected for above camp, you are informed that consider their attendance on above period.

This is for your information and necessary action.


Dr. P. D. Chaudhari
Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Copy to.

1. Academic section
2. Exam Section
3. Final Year B. Pharm Class Teachers
4. Third Year B. Pharm Class Teachers
5. Second Year B. Pharm Class Teachers







**P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
National Service Scheme 2018-19**

Date: 09/01/2019


NOTICE

All teaching and non teaching faculty members are hereby informed that **WINTER SPECIAL CAMP** of NSS for this year is arranged at **At post Shirgaon Tal. Mawal, Dist Pune, from 14th January 2019 to 20th January 2019**. All teaching staff members are requested to share the own views, ideas on any activity related to NSS, patriotism, personality development, safety training, safety of health related camp, with the NSS volunteers in the camp and cooperate for conducting the camp. Your suggestions if any are welcome. The scheduled of the activities/collaborative projects in the camp will be display and circulate soon.

Thanking you.



**Prof. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer**




**Dr. P. D. Chaudhari
Principal**
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS CAMP ACTIVITY REPORT 2018-2019

1.	Name of activity	Gram swachata Abhiyan
2.	Date of activity	14/01/19
3.	Time	7.30 am to 12.00pm
4.	Total no students participate	50
5.	Occasion of activity	NSS camp
6.	Inauguration by	Dr. P. D. Chaudhari
7.	Place of activity	At post Shirgaon Tal. Mawal, Dist Pune. 1. All Road and Street 2. Schools 3. Colleges 4. Grampanchayat 5. Prarthanasthal 6. Cremation ground (Shamashanbhumi) etc 7. River etc.
8.	Objectives of activity	To clean the premises of At post Shirgaon Tal. Mawal, Dist Pune. To make the students aware about the cleaning.
9.	Outcome of activity	Shirgaon Premises has been free from unwanted dusty materials and students got idea regarding importance of cleaning activity to keep good environment.
10.	Activity co-coordinator	Dr. Amit Tapkir

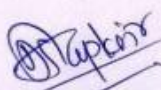




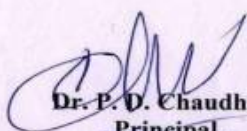
Photos of Gram Swachhata Abhiyaan dated 14/01/2019

Photos of activity




Dr. Amit Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Criteria 7: Institutional Values and Best Practices



College code: A-32

**National Service Scheme
Special Camp Attendance - Morning**

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
1.	Dhage Shyamsundar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
2.	Jadhav Mayureshn.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3.	Mekhe Aniket R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4.	Sathe Rahul.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5.	Wagh Anupad.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6.	Takawle Mayuresh V.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7.	Wayal Nilam B.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
8.	Gaind Ketan R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9.	Nimbalkar Omkar S.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
10.	Singh Jyoti Jai	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11.	Landge Vaishnav.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
12.	Zambare Aishwarya	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
13.	Choudhary Hitesh R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
14.	Aher Omkar S.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
15.	Dopewad Mamta B.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
16.	Waghmare Pranali K.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
17.	Dhobe Swapnil T.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
18.	Choudhary Savita N.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
19.	Kavitha Rohit	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20.	Tidke Mahesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

Dr. Amit S. Tapkir
NSS PO
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.

Principal
P. E. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.

College code: A-32

**National Service Scheme
Special Camp Attendance - Morning**

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
21.	Pawar Anagha Satisha	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
22.	More Mayur Satish	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
23.	Gurav Tushar Sanjay	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
24.	Salunkhe Manisha Sanjay	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
25.	Dalvi Tejaswini Hanuman	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
26.	Patsute Swapnali Hanumant	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
27.	Rathod Shital Ganpat	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
28.	Shirude Snehal Sunil	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
29.	Uttarkar Manasi Manoj	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
30.	Chavan Saurabh P.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
31.	Shah Ankita Harshvardhan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
32.	Acharya Shubhada Prabhakar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
33.	Shinde Sneha Rajendra	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
34.	Joshi Ajay Anil	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
35.	Dale Pooja Arvind	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
36.	Sonawane Pratiksha Devidas	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
37.	Vanarote Omkar Nagesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
38.	Choudhary Laxmi Rataram	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
39.	Mahangare Sankalpa Dhanaji	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
40.	Lekhwani Sailesh Rajkumar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

Dr. Amit S. Tapkir
NSS PO
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.

Principal
P. E. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.



Criteria 7: Institutional Values and Best Practices



National Service Scheme Special Camp Attendance- Morning

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
41.	Choudhary Radhika N.							
42.	Chinchole Swapnil Jagannath							
43.	Mulawkar Akshay Ashok							
44.	Kakade Pooja Shivaji							
45.	Pawar Jayashri Shivaji							
46.	Nivdunge Akshay Shivaji							
47.	Turalekar Sumit Sanjay							
48.	Kazi Tajheen Azmatulla							
49.	Dalvi Rajashree Eknath							
50.	Wakhare Yash Dilip							



Dr. Amit S. Tapkir
NSS PO
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.

Principal
P.E.S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.

National Service Scheme Special Camp Attendance - evening

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
1.	Dhage Shyamsundar							
2.	Jadhav Mayureshn.							
3.	Mekhe Aniket R.							
4.	Sathe Rahuls.							
5.	Wagh Anupad.							
6.	Takawle Mayuresh V.							
7.	Wayal Nilam B.							
8.	Gained Ketan R.							
9.	Nimbalkar Omkar S.							
10.	Singh Jyoti Jai							
11.	Landge Vaishnav.							
12.	Zambare Aishwarya							
13.	Choudhary Hitesh R.							
14.	Aher Omkar S.							
15.	Dopewad Mamta B.							
16.	Waghmare Pranali K.							
17.	Dhobe Swapnil T.							
18.	Choudhary Savita N.							
19.	Kavathe Rohit							
20.	Tidke Mahesh							

Dr. Amit S. Tapkir
NSS PO
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.

Principal
P.E.S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.



Criteria 7: Institutional Values and Best Practices



National Service Scheme Special Camp Attendance - evening

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
21.	Pawar Anagha Satisha	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
22.	More Mayur Satish	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23.	Gurav Tushar Sanjay	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
24.	Salunkhe Manisha Sanjay	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
25.	Dalvi Tejaswini Hanuman	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26.	Patsute Swapnali Hanuman	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27.	Rathod Shital Ganpat	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
28.	Shirude Snehal Sunil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
29.	Uttarkar Manasi Manoj	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
30.	Chavan Saurabh P.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
31.	Shah Ankita Harshvardhan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
32.	Acharya Shubhada Prabhakar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33.	Shinde Sneha Rajendra	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34.	Joshi Ajay Anil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35.	Dule Pooja Arvind	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36.	Sonawane Pratiksha Devidas	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37.	Vanarote Omkar Nagesh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38.	Choudhary Laxmi Rataram	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
39.	Mahangare Sankalpa Dhanaji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
40.	Lekhwani Sailesh Rajkumar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Dr. Amit S. Tapkir

NSS PO
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.

P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.

National Service Scheme Special Camp Attendance - evening

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
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42.	Chinchole Swapnil Jagannath	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
43.	Mulawkar Akshay Ashok	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
44.	Kakade Pooja Shivaji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
45.	Pawar Jayashri Shivaji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
46.	Nivdunge Akshay Shivaji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
47.	Taralekar Sumit Sanjay	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
48.	Kazi Tajheen Azmatulla	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
49.	Dalvi Rajashree Eknath	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
50.	Wakhare Yash Dilip	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Dr. Amit S. Tapkir

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Programme Officer
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Modern College of Pharmacy
Nigdi, Pune - 411044.

P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.



25. Plastic free India, Samartha Bharat Abhiyaan Report:

**P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
National Service Scheme 2018-19**

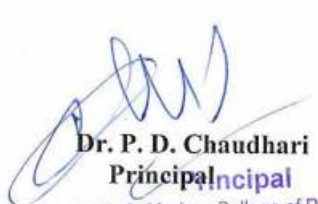
Date: 09/01/2019

NOTICE

All the teaching and non teaching faculty members are hereby informed that **Special winter camp** of NSS volunteers of Modern College of Pharmacy, Nigdi will be arranged at **At post Shirgaon Tal. Mawal, Dist Pune, from 14th January 2019 to 20th January 2019.**

Attached listed student of Second year, Third year and Final year B. Pharm are selected for above camp, you are informed that consider their attendance on above period.

This is for your information and necessary action.


Dr. P. D. Chaudhari
Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Copy to.



1. Academic section
2. Exam Section
3. Final Year B. Pharm Class Teachers
4. Third Year B. Pharm Class Teachers
5. Second Year B. Pharm Class Teachers



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
National Service Scheme 2018-19**



Date: 09/01/2019

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The scheduled of the activities/collaborative projects in the camp will be display and circulate soon.

Thanking you.



**Prof. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer**




**Dr. P. D. Chaudhari
Principal**
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS CAMP ACTIVITY REPORT 2018-2019

1.	Name of activity	Sessions on: 1. Plastic free India 2. Samarth Bharat Abhiyan 3. Saksham Yuva Abhiyan
2.	Date of activity	18/01/2019
3.	Time	8.00 to 11.00
4.	Total no students participate	50
5.	Occasion of activity	NSS Camp
6.	Inauguration by	Dr. A. S. Tapkir
7.	Place of activity	At post Shirgaon Tal. Mawal, Dist Pune
8.	Objectives of activity	To make the orphanage students aware about use of cloth bags instead of plastic bags and plastics drawbacks. To aware orphanage students for being responsible for development of nation. To aware orphanage students regarding the actual work and dedication required by young generation for ruler society development
9.	Outcome of activity	Orphanage students got idea regarding hazards effect of plastic on environment. Many orphanage students has been motivates for development of nation. Orphanage students realized the importance of hard work and dedication required for developing ruler society.
10.	Activity co-coordinator	Dr. A. S. Tapkir.

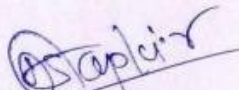





Photos of Plastic free India, Samarth Bharat Abhiyaan dated 18/01/2019

Photos of activity




Dr. A. S. Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Criteria 7: Institutional Values and Best Practices



National Service Scheme Special Camp Attendance - Morning

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shingao, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
1.	Dhage Shyamsundar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
2.	Jadhav Mayuresh.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3.	Mekhe Aniket R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4.	Sathe Rahul.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5.	Wagh Anupad.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6.	Takawle Mayuresh V.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7.	Wayal Nilam B.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
8.	Gaund Ketan R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9.	Nimbalkar Omkar S.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
10.	Singh Jyoti Jai	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11.	Landge Vaishnav.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
12.	Zambare Aishwarya	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
13.	Choudhary Hitesh R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
14.	Aher Omkar S.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
15.	Dopewad Mamta B.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
16.	Waghmare Pranali K.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
17.	Dhobe Swapnil T.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
18.	Choudhary Savita N.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
19.	Kavathe Rohit	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20.	Tidke Mahesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]



Dr. Amit S. Tapkir
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.

[Signature]
Principal
P. E. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.

National Service Scheme Special Camp Attendance - Morning

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shingao, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
21.	Pawar Anagha Satisha	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
22.	More Mayur Satish	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
23.	Gurav Tushar Sanjay	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
24.	Salunkhe Manisha Sanjay	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
25.	Dalvi Tejaswini Hanuman	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
26.	Patsute Swapnali Hanuman	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
27.	Rathod Shital Ganpat	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
28.	Shirude Snehal Sunil	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
29.	Uttakar Manasi Manoj	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
30.	Chavan Saurabh P.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
31.	Shah Ankita Harshvardhan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
32.	Acharya Shubhada Prabhakar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
33.	Shinde Sneha Rajendra	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
34.	Joshi Ajay Anil	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
35.	Dale Pooja Arvind	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
36.	Sonawane Pratiksha Devidas	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
37.	Vanarote Omkar Nagesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
38.	Choudhary Laxmi Rataram	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
39.	Mahangare Sankalpa Dhanaji	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
40.	Lekhwani Sailesh Rajkumar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]



Dr. Amit S. Tapkir
NSS PO
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.

[Signature]
Principal
P. E. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.



Criteria 7: Institutional Values and Best Practices



National Service Scheme Special Camp Attendance- Morning

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
41.	Choudhary Radhika N.							
42.	Chinchole Swapnil Jagannath							
43.	Mulawkar Akshay Ashok							
44.	Kakade Pooja Shivaji							
45.	Pawar Jayashri Shivaji							
46.	Nivdunge Akshay Shivaji							
47.	Taralekar Sumit Sanjay							
48.	Kazi Tajheen Azmatulla							
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50.	Wakhare Yash Dilip							



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1.	Dhage Shyamsundar							
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20.	Tidke Mahesh							

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Criteria 7: Institutional Values and Best Practices



National Service Scheme Special Camp Attendance - evening

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Pune - 411 044.



26. Street play on topic Swachha Bharat Report:

P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44
National Service Scheme 2018-19

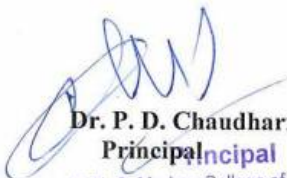
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Dr. P. D. Chaudhari
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Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.
Copy to.



1. Academic section
2. Exam Section
3. Final Year B. Pharm Class Teachers
4. Third Year B. Pharm Class Teachers
5. Second Year B. Pharm Class Teachers



**P. E. Society's
Modern College of Pharmacy, Nigdi. Pune-44
National Service Scheme 2018-19**



Date: 09/01/2019

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The scheduled of the activities/collaborative projects in the camp will be display and circulate soon.

Thanking you.



**Prof. A. S. Tapkir
Prof. A. G. More
N.S.S. Programme officer**




**Dr. P. D. Chaudhari
Principal
Principal**
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.




**P. E. Society's
Modern College of Pharmacy, Nigdi, Pune-44**

NSS CAMP ACTIVITY REPORT 2018-2019

1.	Name of activity	Street play on swachhanisundarbharat
2.	Date of activity	19/01/2019
3.	Time	6.00 to 8.00pm
4.	Total no students participate	50
5.	Occasion of activity	NSS CAMP ACTIVITY
6.	Inauguration by	Mr. A. S. Tapkir
7.	Place of activity	At post Shirgaon Tal. Mawal, Dist Pune
8.	Objectives of activity	To Create awareness among villagers towards sanitation and cleanliness. To aware peoples improving the quality of life in rural areas through cleanliness and personal hygiene.
9.	Outcome of activity	Villagers were encouraged to maintain their surrounding clean and hygienic.
10.	Activity co-coordinator	Mr. A. S. Tapkir

Photos of activity




Mr. A. S. Tapkir
NSS Program officer




Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Photos of Street play on topic Swachhaani Sundar Bharat dated 19/01/2019



Criteria 7: Institutional Values and Best Practices



National Service Scheme Special Camp Attendance - Morning

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shingao, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
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2.	Jadhav Mayuresh.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3.	Mekhe Aniket R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4.	Sathe Rahul.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5.	Wagh Anupad.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6.	Takawle Mayuresh V.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7.	Wayal Nilam B.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
8.	Gaund Ketan R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9.	Nimbalkar Omkar S.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
10.	Singh Jyoti Jai	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11.	Landge Vaishnav.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
12.	Zambare Aishwarya	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
13.	Choudhary Hitesh R.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
14.	Aher Omkar S.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
15.	Dopewad Mamta B.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
16.	Waghmare Pranali K.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
17.	Dhobe Swapnil T.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
18.	Choudhary Savita N.	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
19.	Kavathe Rohit	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20.	Tidke Mahesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]



Dr. Amit S. Tapkir
Programme Officer
National Service Scheme (NSS)
Modern College of Pharmacy
Nigdi, Pune - 411044.

[Signature]
Principal
P. E. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.

National Service Scheme Special Camp Attendance - Morning

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shingao, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
21.	Pawar Anagha Satisha	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
22.	More Mayur Satish	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
23.	Gurav Tushar Sanjay	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
24.	Salunkhe Manisha Sanjay	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
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26.	Patsute Swapnali Hanuman	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
27.	Rathod Shital Ganpat	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
28.	Shirude Snehal Sunil	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
29.	Uttarkar Manasi Manoj	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
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32.	Acharya Shubhada Prabhakar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
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34.	Joshi Ajay Anil	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
35.	Dale Pooja Arvind	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
36.	Sonawane Pratiksha Devidas	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
37.	Vanarote Omkar Nagesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
38.	Choudhary Laxmi Rataram	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
39.	Mahangare Sankalpa Dhanaji	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
40.	Lekhwani Sailesh Rajkumar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]



Dr. Amit S. Tapkir
NSS PO
Programme Officer
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[Signature]
Principal
P. E. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.



Criteria 7: Institutional Values and Best Practices



National Service Scheme Special Camp Attendance- Morning

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name Of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
41.	Choudhary Radhika N.							
42.	Chinchole Swapnil Jagannath							
43.	Mulawkar Akshay Ashok							
44.	Kakade Pooja Shivaji							
45.	Pawar Jayashri Shivaji							
46.	Nivdunge Akshay Shivaji							
47.	Taralekar Sumit Sanjay							
48.	Kazi Tajheen Azmatulla							
49.	Dalvi Rajashree Eknath							
50.	Wakhare Yash Dilip							



Dr. Amit S. Tapkir
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Programme Officer
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Principal
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Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.

National Service Scheme Special Camp Attendance - evening

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
1.	Dhage Shyamsundar							
2.	Jadhav Mayureshn.							
3.	Mekhe Aniket R.							
4.	Sathe Rahul.							
5.	Wagh Anupad.							
6.	Takawle Mayuresh V.							
7.	Wayal Nilam B.							
8.	Gaund Ketan R.							
9.	Nimbalkar Omkar S.							
10.	Singh Jyoti Jai							
11.	Landge Vaishnav.							
12.	Zambare Aishwarya							
13.	Choudhary Hitesh R.							
14.	Aher Omkar S.							
15.	Dopewad Mamta B.							
16.	Waghmare Pranali K.							
17.	Dhobe Swapnil T.							
18.	Choudhary Savita N.							
19.	Kavitke Rohit							
20.	Tidke Mahesh							

Dr. Amit S. Tapkir
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Yamunanagar, Sector No.21, Nigdi,
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Criteria 7: Institutional Values and Best Practices



National Service Scheme Special Camp Attendance - evening

College code: A-32

Name of the college: Modern College of Pharmacy, Nigdi Pune-44
Name of Camp Place: A.P. Shirgaon, Tal.-maval, Dist. - Pune.
Camp Date: 14/01/19 to 20/01/19

Sr.No.	Name of NSS Volunteers	14/01/2019	15/01/2019	16/01/2019	17/01/2019	18/01/2019	19/01/2019	20/01/2019
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22.	More Mayur Satish	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23.	Gurav Tushar Sanjay	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
24.	Salunkhe Manisha Sanjay	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
25.	Dalvi Tejaswini Hanuman	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26.	Patsute Swapnali Hanuman	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27.	Rathod Shital Ganpat	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
28.	Shirude Snehal Sunil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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32.	Acharya Shubhada Prabhakar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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34.	Joshi Ajay Anil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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42.	Chinchole Swapnil Jagannath	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
43.	Mulawkar Akshay Ashok	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
44.	Kakade Pooja Shivaji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
45.	Pawar Jayashri Shivaji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
46.	Nivdunge Akshay Shivaji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
47.	Taralekar Sumit Sanjay	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
48.	Kazi Tajheen Azmatulla	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
49.	Dalvi Rajashree Eknath	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
50.	Wakhare Yash Dilip	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

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P. E. S. Modern College of Pharmacy
Yamunanagar, Sector No.21, Nigdi,
Pune - 411 044.



Sustainable Practices:

Sustainable Practices:

Institute adopt sustainable practices within their own operations. This include implementing energy-efficient measure like using eco-friendly transportation options. Institute encourages students to maximize use of public transport and has CNG bus facility for Pharm D hospital visits.

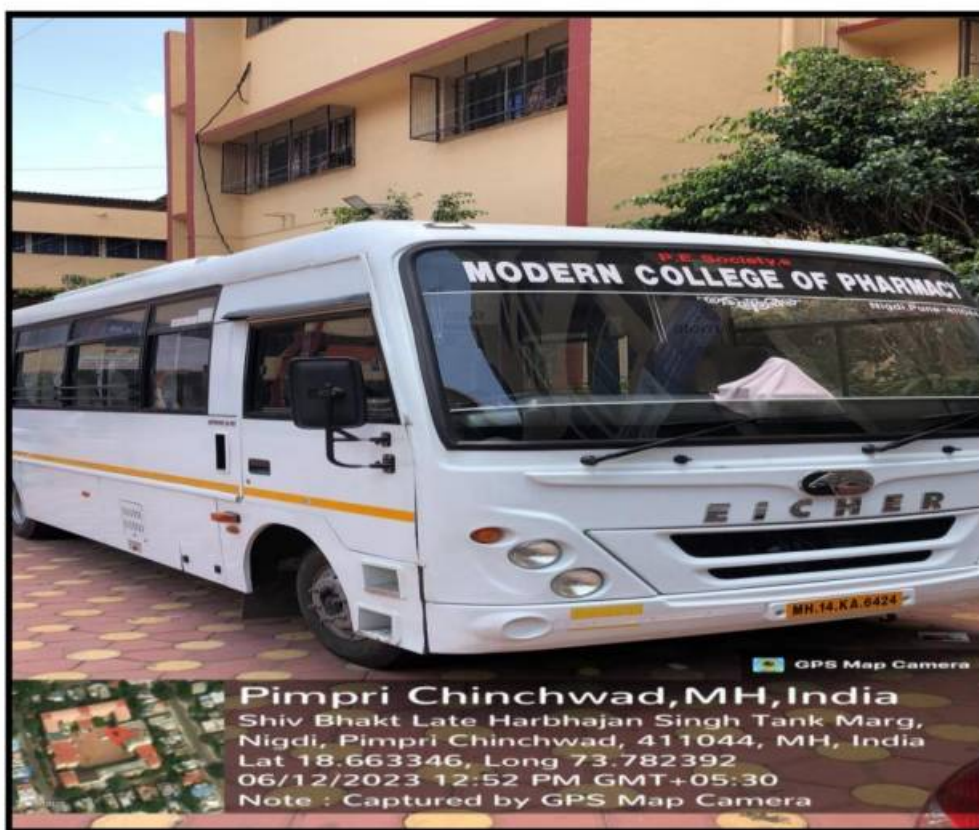


Photo of CNG bus



**7.1.3: Policy Document on
Environment and energy usage
certificates from auditing agency.**



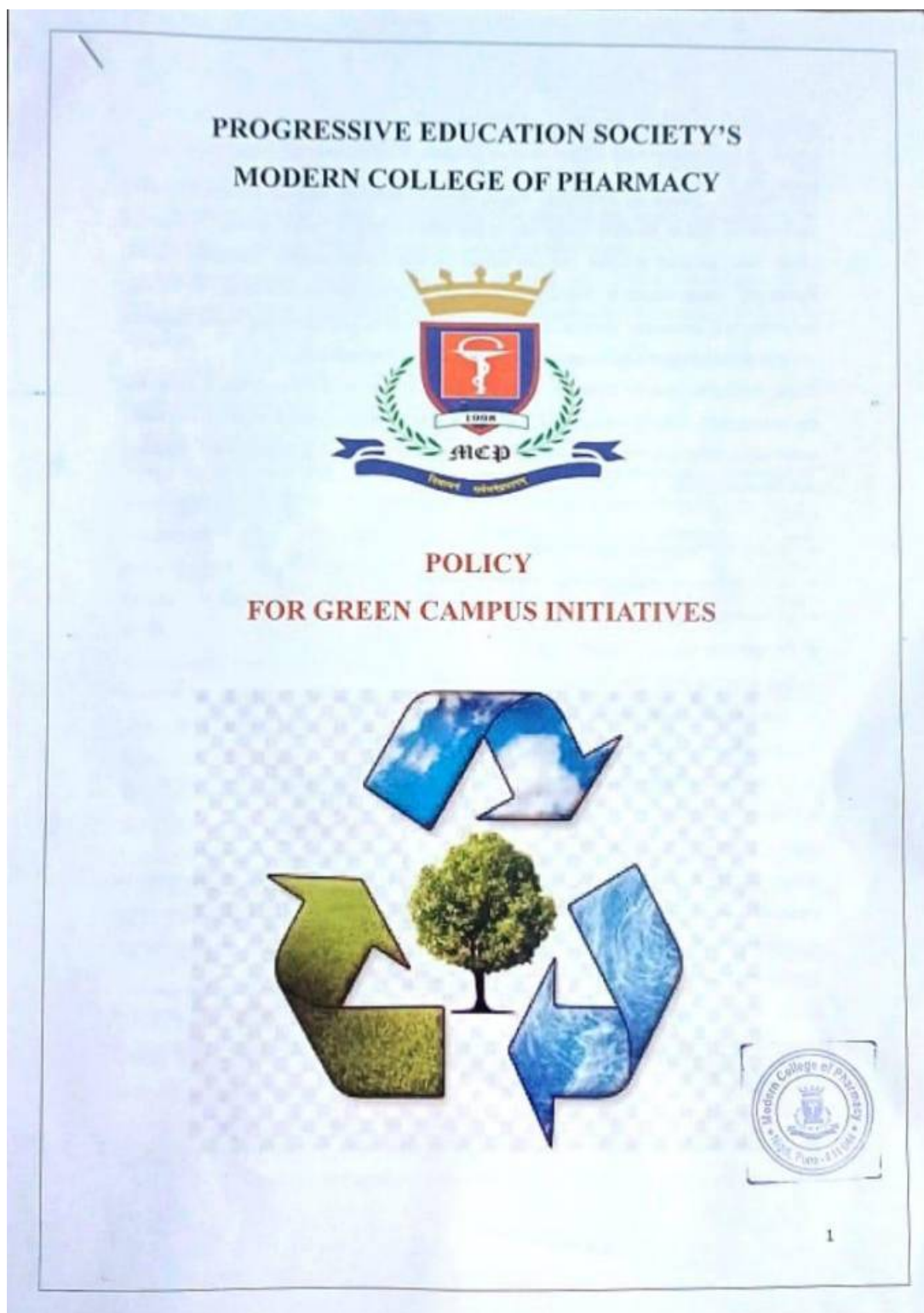
7.1.3: Policy Document on Environment and energy usage certificates from auditing agency.

INDEX

1	Policy Document on environment and energy usage
2	Certificates from auditing agency
	2022-23
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	2020-21
	2019-20
	2018-19



1. Policy Document on environment and energy usage





GREEN CAMPUS INITIATIVES POLICY

PREAMBLE

The Modern College of Pharmacy, Nigdi, Pune, outline its support for environmental sustainability and responsible energy use in this policy paper. A "green campus" is a setting where environmental practise and instruction coexist. Green campus initiatives include purchasing environmentally friendly equipment, utilising natural resources, developing environmental awareness through extracurricular activities, and removing waste materials using proper segregation techniques without harming the environment.

These Strategies must be included in institutional planning in order to create a clean and environmentally friendly campus. The goals of this policy are to develop an environmentally sustainable campus and promote environmental stewardship among faculty, staff, students, and the community.

OBJECTIVE

- To take energy conservation measures
- To identify and segregates different types of waste.
- To make the campus plastic free.
- To minimize the use of paper
- To encourage students to keep environment clean.
- To use rain water harvesting for water conservation
- To conduct green and energy audits from time to time.
- To conduct awareness programmes for environmental issues in and out of the campus.

ENVIRONMENTAL POLICY OF THE COLLEGE

Energy Use and Conservation

Solar power plant: The institution has facilities of Roof-top Solar Plants of 12 kVA capacity as alternate sources of energy. which is useful for the power requirement of institute's low range equipment's like lights, fans etc. LED bulbs are mostly used in campus to save energy. Electric and electronic equipment's are turned off after usage

Usage of LED Bulbs: LED and CFL bulbs are installed in the institution to conserve electricity and therefore energy. Power output of solar panels is used to supply electricity to LED and CFL bulbs.

Waste Management

Solid Waste Management: Waste should collect on a daily basis from various sources. Colour coded dustbins are used for different types of wastes. Students and staff are





educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus. Institute has tie ups with the local municipal corporation (PCMC) and in support with them institute manages the solid and liquid waste and hazardous chemicals waste management. For **Biomedical waste management** The institute has a tie up with PASSCO environmental solutions, Pimpri.

E-waste management: Old monitors and CPUs should be repaired by technician and reused. The institute has MOU with the ECA (Environment Conservation Association) for e waste collection.

Ban on Single-use Plastics on the Campus

Institute has banned the single use of plastic in the campus.

Paperless Operating Procedure

What's app group class wise, department wise, is prepared for e communication to reduce the usage of papers in notices and circulars. Study material is shared on e-platform and e - assignment is given to students in skill-based tutorial classes like presentation to avoid massive use of papers. Different software like ERP software for office work ,Autolibfor library, VM edulifeas a LMS, Talley software for daily accounting is used to reduce paper work.

Landscaping with Trees and Plants

Institute has medicinal Garden where variety of medicinal plants are cultivated and nurtured so it help to clean the atmosphere.

Rainwater harvesting

Rain water from our terrace is collected and the tube wells are recharged.

Air Pollution Management Clean Air Initiatives

Restricted Use of Automobiles: College employees and students are encouraged to frequently use public transport, bicycles, electronic Vehicle to limit the emissions. CNG bus facility is provided to Pharm D students for hospital visit.

No Smoking Campus: Institute is completely free from smoke and tobacco, smoking and chewing of tobacco is strictly prohibited in the college.

Green Audit, Energy Audit, Environment Audit

Green audit, Energy Audit, Environment Audit should be conducted on yearly basis to identify, quantify, describe and priorities a framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. Full time staff should be appointed for the maintenance of clean and Green Campus.






Organization of sensitization programmes

NSS department should organize various awareness programme in and out of the campus. Environmental promotion activity, awareness campaigns should be encouraged to facilitate effective implementation of the Green Campus, Energy and Environment policies.




Principal
P. E. S. Modern College of Pharmacy
Sector No-21, Yamunanagar, Nigdi,
Pune - 411 044.



**Certificates from auditing
agency**

2022-23



ENERGY AUDIT REPORT
of
**Progressive Education Society's,
MODERN COLLEGE OF PHARMACY**
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044



Year: 2022-23

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: engress123@gmail.com



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School, Parvati, Pune 411 009

Tel: 09890444795 Email: engress123@gmail.com

MEDA Registration No: ECN/2022-23/CR-43/1709

ISO: 9001-2015 Certified (Cert No: 23EQKC13),

ISO: 14001-2015 Certified (Cert No: 23EEKW20)

ENERGY AUDIT CERTIFICATE

Certificate No: ES/MCOP/22-23/01

Date: 18/5/2023

This is to certify that we have conducted an Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044, in the Year 2022-23.

The College has adopted following Energy Efficient practices:

- Usage of Energy Efficient LED Fittings
- Maximum usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Engress Services,

A Y Mehendale,
B E-Mechanical, M Tech- Energy
BEE Certified Energy Auditor, EA-8192

Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23**Registration Certificates**

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-24006430
Email: meda@maharashtra.gov.in, Web: www.maharashtra.gov.in

EDN/2022-23/CR-43/1709 10th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with
MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA) under given category as
"Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of
MEDA.

Name and Address of the firm : M/s Engress Services
Yashwantrao, 26, Nirmal Raj Society,
Near Nishankar English School,
Parvati, Pune - 411 004.

Registration Category : Empowered Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/EDN/2022-23/Class A/24-32.

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empowerment is valid till **09th May, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme.
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reason thereof.

[Signature]
General Manager (EC)

MEDA Registration Certificate**ISO: 9001-2015 Certificate****ISO: 14001-2015 Certificate****INDEX**



ENVIRONMENTAL AUDIT REPORT
of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi 411 044**



Year: 2022-23

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: engress123@gmail.com



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School,
Parvati, Pune 411 009 Tel: 09890444795 Email: engress123@gmail.com
MEDA Registration No: ECN/2022-23/CR-43/1709
ISO: 9001-2015 Certified (Cert No: 23EQKC13),
ISO: 14001-2015 Certified (Cert No: 23EEKW20)

ENVIRONMENTAL AUDIT CERTIFICATE

Certificate No: ES/MMIT/22-23/03

Date: 18/5/2023

This is to certify that we have conducted Environmental Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2022-23.

The College has adopted following Energy Efficient & Green Practices:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Segregation of Waste at Source
- Provision of Sanitary Waste Incinerator for Sanitary Waste Disposal
- Implementation of Rain Water Management Project
- Tree Plantation in the campus
- Creation of Awareness on Resource Conservation, by Display of Posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the Eco Friendly.

For Engress Services,

A Y Mehendale,
B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23**REGISTRATION CERTIFICATES****MEDA Registration Certificate****GEM Certified Professional Certificate****ISO: 9001-2015 Certificate****ISO: 14001-2015 Certificate**



GREEN AUDIT REPORT
of
**Progressive Education Society's,
MODERN COLLEGE OF PHARMACY,**
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044



Year: 2022-23

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: engress123@gmail.com



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School,
Parvati, Pune 411 009 Tel: 09890444795 Email: engress123@gmail.com
MEDA Registration No: ECN/2022-23/CR-43/1709
ISO: 9001-2015 Certified (Cert No: 23EQKC13),
ISO: 14001-2015 Certified (Cert No: 23EEKW20)

GREEN AUDIT CERTIFICATE

Certificate No: ES/MCOP/22-23/02

Date: 18/5/2023

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2022-23.

The College has adopted following Energy Efficient & Green Practices:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Segregation of Waste at Source
- Provision of Sanitary Waste Incinerator for Sanitary Waste Disposal
- Implementation of Rain Water Management Project
- Good Internal Road
- Tree Plantation in the campus
- Provision of Ramp for Divyangajan
- Creation of Awareness on Resource Conservation, by Display of Posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Engress Services,

A Y Mehendale,

B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788

Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

REGISTRATION CERTIFICATES



MEDA Registration Certificate



GEM Certified Professional Certificate



ISO: 9001-2015 Certificate



ISO: 14001-2015 Certificate



**Certificates from auditing
agency**

2021-22



ENERGY AUDIT REPORT
of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2021-22

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411009
Phone: 09890444795, Email: engress123@gmail.com





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/MCOP/21-22/01

Date: 11/6/2022

CERTIFICATE

This is to certify that we have conducted Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2021-22.

The College has adopted following Energy Efficient Practices:

- Usage of Energy Efficient LED Fittings
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Engress Services,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eec@maharaja.com, Web: www.maharaja.com

ECN/2022-23/CR-43/1709 10th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with
MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA) under given category as
"Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of
MEDA.

Name and Address of the firm : M/s Engress Services
Yashshree, 26, Nirmal Bag Society,
Near Mukangan English School,
Parvati, Pune - 411 009.

Registration Category : Empanelled Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/ECN/2022-23/Class A/EA-32.

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **09th May, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme.
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)

Engress Services, Pune



Page 2



GREEN AUDIT REPORT
of
Progressive Education Society's
MODERN COLLEGE OF PHARMACY,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044



Year: 2021-22

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795, Email: engress123@gmail.com





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/MCOP/21-22/02

Date: 11/6/2022

CERTIFICATE

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2021-22.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Segregation of Waste at Source
- Provision of Sanitary Waste Incinerator for Sanitary Waste Disposal
- Implementation of Rain Water Harvesting Project
- Maintenance of Good Internal Road
- Tree Plantation in the campus
- Provision of Ramp for Divyangajan
- Creation of Awareness on Resource Conservation, by Display of Posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Engress Services,

A Y Mehendale,
Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22





ENVIRONMENTAL AUDIT REPORT

of
Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi 411 044



Year: 2021-22

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411009
Phone: 09890444795, Email: engress123@gmail.com





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Muktagan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/MCOP/21-22/03

Date: 11/6/2022

CERTIFICATE

This is to certify that we have conducted Environmental Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2021-22.

The College has adopted following Environment Friendly Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Segregation of Waste at Source
- Provision of Sanitary Waste Incinerator for Sanitary Waste Disposal
- Implementation of Rain Water Harvesting Project
- Tree Plantation in the campus
- Creation of Awareness on Resource Conservation, by Display of Posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Environment Friendly.

For Engress Services,

A Y Mehendale,
Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22





**Certificates from auditing
agency**

2020-21



ENERGY AUDIT REPORT
of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2020-21

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

MAHARASHTRA ENERGY DEVELOPMENT AGENCY
AN ISO 9001:2009 Reg. no. / RQ 91 / 2482

Maharashtra Energy Development Agency
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2021-22/CR-14/1577 22nd April, 2021

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Enrich Consultants
Yashashree, Plot No. 26, Nizmal Bag Society,
Near Muktangan English School, Parvati,
Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/ECN/2021-22/Class A/EA-03

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **21st April, 2023** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)

Enrich Consultants, Pune



Page 2



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/20-21/01

Date: 01/9/2021

CERTIFICATE

This is to certify that we have conducted Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2020-21.

The College has adopted following Energy Efficient practices:

- Usage of Energy Efficient LED Fittings
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





ENVIRONMENTAL AUDIT REPORT

of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi 411 044**



Year: 2020-21

Prepared by:

Enrich Consultants


Yashashree, 26, Nirmal Bag Society,
Near Mukangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

MAHARASHTRA ENERGY DEVELOPMENT AGENCY
An ISO 9001 : 2000 Reg. No. : PQ 91 / 2462

**Maharashtra Energy Development Agency**
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eee@mahaaurja.com, Web: www.mahaaurja.com

ECN/2021-22/CR-14/1577 22nd April, 2021

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**


We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Enrich Consultants
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Muktagan English School, Parvati,
Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/ECN/2021-22/Class A/EA-03

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
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- This empanelment is valid till **21st April, 2023** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi. 2020-21

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/20-21/03

Date: 01/9/2021

CERTIFICATE

This is to certify that we have conducted Environmental Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2020-21.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp.
- Provision of Separate bins for Dry & Wet Waste
- Tree Plantation in the campus
- Provision of Sanitary Waste Incinerator

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192



Enrich Consultants, Pune

Page 3



GREEN AUDIT REPORT
of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2020-21

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktagan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

MAHARASHTRA ENERGY DEVELOPMENT AGENCY
An ISO 9001 : 2000 Reg. no. : RD 91 / 2402

**Maharashtra Energy Development Agency**
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2021-22/CR-14/1577 22nd April, 2021

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Enrich Consultants
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Muktangan English School, Parvati,
Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/ECN/2021-22/Class A/EA-03

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **21st April, 2023** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)

Enrich Consultants, Pune



Page 2



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi : 2020-21

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/20-21/02

Date: 01/9/2021

CERTIFICATE

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2020-21.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Provision of Separate bins for Dry & Wet Waste
- Maintenance of good Internal Road
- Tree Plantation in the campus
- Implementation of Rain Water Harvesting Project
- Provision of Ramp for Divyangajan
- Provision of Sanitary Waste Incinerator

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192



Enrich Consultants, Pune

Page 3



Certificates from auditing agency

2019-20



ENERGY AUDIT REPORT

of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2019-20

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/19-20/01

Date: 2/7/2020

CERTIFICATE

This is to certify that we have conducted Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2019-20.

The College has adopted following Energy Efficient Practices:

- Usage of Energy Efficient LED Fittings
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

MAHARASHTRA ENERGY DEVELOPMENT AGENCY



Maharashtra Energy Development Agency

(A Government of Maharashtra undertaking)
2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006,
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174

19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : **Enrich Consultants**
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Mukangan English School,
Parvati, Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation Programme

Registration Number : **MEDA/ECN/CR-05/2018-19/EA-03**

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit the firm at any time without giving any prior information and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **31st March 2021** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


(Smita Kudarikar)
General Manager (EC)

Enrich Consultants, Pune



Page 2



GREEN AUDIT REPORT

of

**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2019-20

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/19-20/02

Date: 02/7/2020

CERTIFICATE

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2019-20.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Provision of Separate bins for Dry & Wet Waste
- Provision of Sanitary Waste Incinerator
- Maintenance of good Internal Road
- Tree Plantation in the campus
- Implementation of Rain Water Harvesting Project
- Provision of Ramp for Divyangajan

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(A Government of Maharashtra undertaking)
2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune-411 006,
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174 19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : **Enrich Consultants**
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Mukhtangan English School,
Parvati, Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation Programme

Registration Number : **MEDA/ECN/CR-05/2018-19/EA-03**

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit the firm at any time without giving any prior information and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **31st March 2021** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


(Smila Kudarikar)
General Manager (EC)





ENVIRONMENTAL AUDIT REPORT

of

Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi 411 044



Year: 2019-20

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/19-20/03

Date: 02/7/2020

CERTIFICATE

This is to certify that we have conducted Environmental Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2019-20.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp.
- Provision of Separate bins for Dry & Wet Waste
- Provision of Sanitary Waste Incinerator
- Implementation of Rain Water Harvesting Project
- Tree Plantation in the campus

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(A Government of Maharashtra undertaking)
2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006,
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174 19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**


We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : **Enrich Consultants**
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Muktangan English School,
Parvati, Pune - 411009.

Registration Category : *Empanelled Consultant for Energy Conservation Programme*

Registration Number : *MEDA/ECN/CR-05/2018-19/EA-03*

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit the firm at any time without giving any prior information and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **31st March 2021** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


(Smita Kudarikar)
General Manager (EC)

Enrich Consultants, Pune



Page 2



Certificates from auditing agency

2018-19



ENERGY AUDIT REPORT

of

**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2018-19

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktagan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/18-19/01

Date: 29/6/2019

CERTIFICATE

This is to certify that we have conducted Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2018-19.

The College has adopted following Energy Efficient Practices:

- Usage of Energy Efficient LED Fittings
- Maximum usage of Day Lighting

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

MAHARASHTRA ENERGY DEVELOPMENT AGENCY



Maharashtra Energy Development Agency

(A Government of Maharashtra undertaking)

2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006,

Ph No: 020-26614393/266144403

Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174

19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : **Enrich Consultants**
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Mukangan English School,
Parvati, Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation Programme

Registration Number : **MEDA/ECN/CR-05/2018-19/EA-03**

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit the firm at any time without giving any prior information and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **31st March 2021** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


(Smriti Kudarikar)
General Manager (EC)

Enrich Consultants, Pune



Page 2



GREEN AUDIT REPORT

of

**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2018-19

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/18-19/02

Date: 29/6/2019

CERTIFICATE

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2018-19.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Provision of Separate bins for Dry & Wet Waste
- Maintenance of good Internal Road
- Tree Plantation in the campus
- Implementation of Rain Water Harvesting Project
- Provision of Sanitary Waste Incinerator

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(A Government of Maharashtra undertaking)
2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006,
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174 19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : **Enrich Consultants**
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Mukangan English School,
Parvati, Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation Programme

Registration Number : MEDA/ECN/CR-05/2018-19/EA-03

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit the firm at any time without giving any prior information and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **31st March 2021** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


(Smita Kudarikar)
General Manager (I/C)

Enrich Consultants, Pune



Page 2



7.1.3: Green audit Environmental audit report from recognized bodies



7.1.3: Quality audits on Environment and energy undertaken by institute during last five years

Every year PES Modern College of Pharmacy, Nigdi, Pune conducts green audit, environment audit and energy audit of its facilities and campus through third party Engress services, Pune . It is a certified auditor- registered under Maharashtra Energy Development Agency (MEDA). The reports submitted by the auditing agency are attached below:

Index

Sr. No.	Particulars of document	Document
2022-23		
1	Green, Energy and Environment Audit Report	View Document
2021-22		
4	Green, Energy and Environment Audit Report	View Document
2020-21		
7	Green, Energy and Environment Audit Report	View Document
2019-20		
10	Green, Energy and Environment Audit Report	View Document
2018-19		
13	Green, Energy and Environment Audit Report	View Document



Green, Energy and Environment audit report 2022-23



ENERGY AUDIT REPORT
of
**Progressive Education Society's,
MODERN COLLEGE OF PHARMACY**
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044



Year: 2022-23

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: engress123@gmail.com



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School, Parvati, Pune 411 009

Tel: 09890444795 Email: engress123@gmail.com

MEDA Registration No: ECN/2022-23/CR-43/1709

ISO: 9001-2015 Certified (Cert No: 23EQKC13),

ISO: 14001-2015 Certified (Cert No: 23EEKW20)

ENERGY AUDIT CERTIFICATE

Certificate No: ES/MCOP/22-23/01

Date: 18/5/2023

This is to certify that we have conducted an Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044, in the Year 2022-23.

The College has adopted following Energy Efficient practices:

- Usage of Energy Efficient LED Fittings
- Maximum usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Engress Services,

A Y Mehendale,
B E-Mechanical, M Tech- Energy
BEE Certified Energy Auditor, EA-8192



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

Registration Certificates

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Communications of Animal Husbandary,
Aundh, Pune, Maharashtra 411007
Ph No: 020-24000430
Email: me@meda.gov.in Web: www.medara.in

ELN/2022-23/CR-43/1709 16th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with
MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA) under given category as
"Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of
MEDA.

Name and Address of the firm : M/s Engress Services
Varadhe, 26, Nirmal Raj Society,
Near Makangan English School,
Parvat, Pune - 411 008.

Registration Category : Empowered Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/EN/2022-23/Class A/R-1-02.

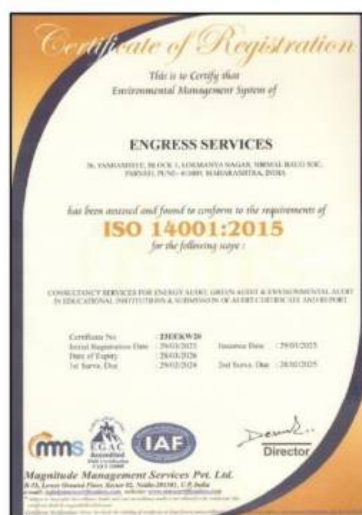
- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the estimated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and cancelling the registration, if the information is found incorrect.
- This empowerment is valid till 30th May, 2024 from the date of registration, to carry out energy audits under the Energy Conservation Programme.
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.

General Manager (EC)

MEDA Registration Certificate



ISO: 9001-2015 Certificate



ISO: 14001-2015 Certificate

INDEX



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

Sr. No	Particulars	Page No
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3	Study of Present Energy Consumption	10
4	Study of Energy Performance Index	12
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6	Study of Renewable Energy & Energy Efficiency	15

ACKNOWLEDGEMENT

Engress Services, Pune

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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

We Engress Services, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Energy Audit of their Campus for the Academic Year: 22-23.

We are thankful to all the Staff members for helping us during the field study.

EXECUTIVE SUMMARY



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of **Electrical Energy and LPG**; used for various Electrical Equipment, office & other facilities.

2. Present Connected Load & Annual Energy Consumption:

No	Particulars	Value	Unit
1	Total Connected Load	66.26	kW
2	Annual Energy Consumption	110824	kWh
3	Annual CO ₂ Emissions	89.65	MT

3. Energy Performance Index:

No	Particulars	Value	Unit
1	Total Annual Energy Consumed	110824	kWh
2	Total Built up area of College		m ²
3	Energy Performance Index =(1) / (2)		kWh/m ²

4. Study of Lighting Power Density & % of LED Lighting:

No	Particulars	Value	Unit
2	% of Usage of LED Lighting to Total Lighting Load		%

5. Renewable Energy & Energy Efficiency Projects:

- Usage of Energy Efficient LED fittings
- Installation of **10 kWp** Roof Top Solar Thermal Water Heating System.

6. Assumptions:

1. **1 kWh** of Electrical Energy releases **0.9 Kg of CO₂** into atmosphere
2. **1 Kg** of LPG releases **2.68 Kg of CO₂** into atmosphere
3. Average Energy generated by Solar PV Plant is 4 kWh/kWp per Day
4. Annual Energy Generation Days: 300 Nos

7. References:

- Audit Methodology: www.mahaurja.com
- Energy Conservation Building Code: ECBC-2017: www.beeindia.gov.in
- For CO₂ Emissions: www.tatapower.com
- For Solar PV Energy Generation: www.rooftopsolar.gov.in

ABBREVIATIONS



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

LED	: Light Emitting Diode
MSEDCL	: Maharashtra State Electricity Distribution Company Limited
BEE	: Bureau of Energy Efficiency
ECBC	: Energy Conservation Building Code
MEDA	: Maharashtra Energy Development Agency
PV	: Photo Voltaic
Kg	: Kilo Gram
kWh	: kilo-Watt Hour
CO ₂	: Carbon Di Oxide
MT	: Metric Ton

CHAPTER-I INTRODUCTION

Engress Services, Pune

Page 7

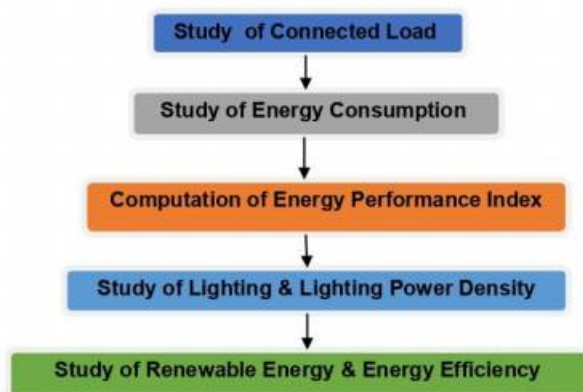
Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi; 2022-23

1.1 Introduction:

An Energy Audit is conducted at Progressive Education Society's Modern College of Pharmacy, Nigdi Pune. The guidelines followed for conducting the Energy Audit are:

- BEE India's Energy Conservation Building Code: ECBC-2017
- Maharashtra Energy Development Agency (www.mahaurja.com)
- Tata Power: www.tatapower.com

1.2 Audit Procedural Steps:



1.3 College Location Image:



College
Campus

CHAPTER-II STUDY OF CONNECTED LOAD



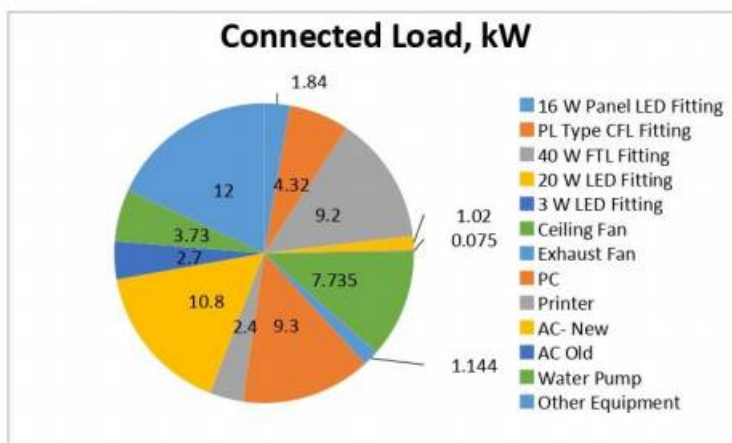
Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

The major contributors to the connected load of the College include:

Table No 1: Study of Equipment wise Connected Load:

No	Equipment	Qty	Load, W/Unit	Load, kW
1	16 W Panel LED Fitting	115	16	1.84
2	PL Type CFL Fitting	135	32	4.32
3	40 W FTL Fitting	230	40	9.2
4	20 W LED Fitting	51	20	1.02
5	3 W LED Fitting	25	3	0.075
6	Ceiling Fan	119	65	7.735
7	Exhaust Fan	22	52	1.144
8	PC	62	150	9.3
9	Printer	16	150	2.4
10	AC- New	6	1800	10.8
11	AC Old	1	2700	2.7
12	Water Pump	1	3730	3.73
13	Other Equipment	80	150	12
14	Total			66.26

Chart No 1: Study of Connected Load:



CHAPTER-III STUDY OF PRESENT ENERGY CONSUMPTION



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

Table No 2: Study of Electrical Energy, LPG Consumption & CO₂ Emission: 22-23:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO2 Emissions, MT
1	Apr-22	9218	9.5	8.32
2	May-22	9492	19	8.59
3	Jun-22	8263	19	7.49
4	Jul-22	7422	19	6.73
5	Aug-22	8260	19	7.48
6	Sep-22	8857	38	8.07
7	Oct-22	7420	19	6.73
8	Nov-22	7714	9.5	6.97
9	Dec-22	8108	19	7.35
10	Jan-23	7980	38	7.28
11	Feb-23	8779	38	8.00
12	Mar-23	7311	19	6.63
13	Total	98824	266	89.65
14	Maximum	9492	38	8.59
15	Minimum	7311	9.5	6.63
16	Average	8235.33	22.17	7.47

Chart No 2: Variation in Monthly Energy Consumption:

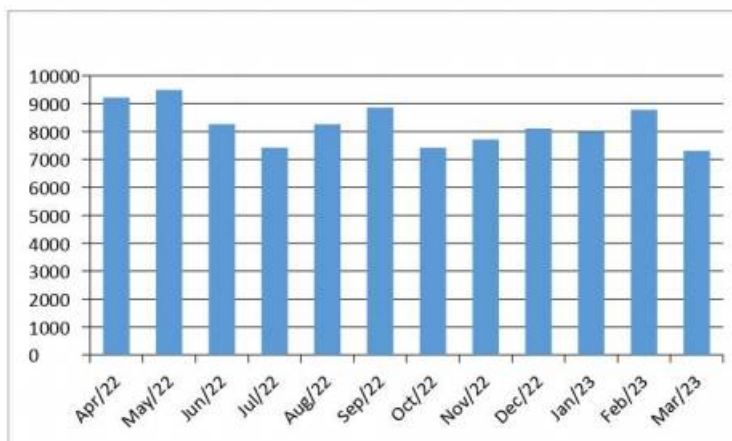
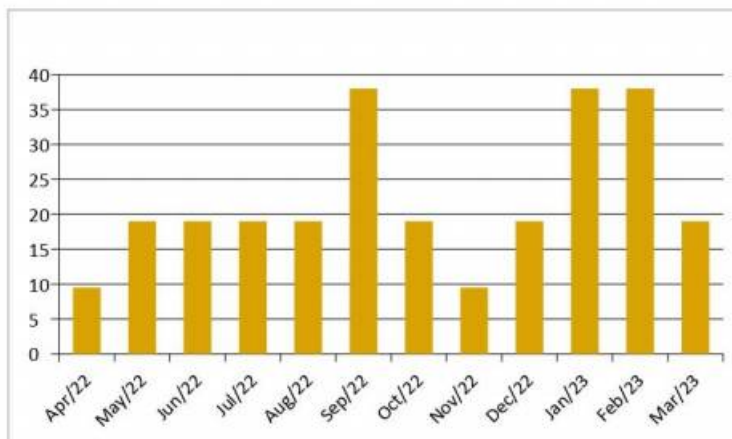


Chart No 3: Variation in Monthly LPG Consumption:



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23



CHAPTER-IV STUDY OF ENERGY PERFORMANCE INDEX



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

Energy Performance Index: Energy Performance Index of a Building is its Annual Energy Consumption in Kilo Watt Hours per square meter of the Building

It is determined by:

$$\text{EPI} = \frac{\text{(Annual Energy Consumption in kWh)}}{\text{(Total Built-up area in m}^2\text{)}}$$

Now we compute the EPI for the College as under:

Table No 4: Computation of Energy Performance Index:

No	Particulars	Value	Unit
1	Annual Energy Purchased	98824	kWh
2	Roof Top Solar PV Capacity	10	kWp
3	Energy generated by Solar PV Plant per Day	4	kWh
4	Annual Energy generation days	300	Nos
5	Annual Energy generated	12000	kWh
6	Total Energy Consumed= 1+5	110824	kWh
7	Total Built up area of College		m ²
8	Energy Performance Index =(1) / (2)		kWh/m ²

CHAPTER V



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

STUDY OF LIGHTING

Terminology:

1. Lumen is a unit of light flow or luminous flux. The lumen rating of a lamp is a measure of the total light output of the lamp. The most common measurement of light output (or luminous flux) is the lumen. Light sources are labeled with an output rating in lumens.

2. Lux is the metric unit of measure for illuminance of a surface. One lux is equal to one lumen per square meter.

3. Circuit Watts is the total power drawn by lamps and ballasts in a lighting circuit under assessment.

4. Installed Load Efficacy is the average maintained illuminance provided on a horizontal working plane per circuit watt with general lighting of an interior. Unit: lux per watt per square metre (lux/W/m^2)

5. Lamp Circuit Efficacy is the amount of light (lumens) emitted by a lamp for each watt of power consumed by the lamp circuit, i.e. including control gear losses. This is a more meaningful measure for those lamps that require control gear. Unit: lumens per circuit watt (lm/W)

6. Installed Power Density. The installed power density per 100 lux is the power needed per square metre of floor area to achieve 100 lux of average maintained illuminance on a horizontal working plane with general lighting of an interior

Unit: watts per square metre per 100 lux ($\text{W/m}^2/100 \text{ lux}$) 100 Installed power density ($\text{W/m}^2/100 \text{ lux}$)

7. Lighting Power Density: It is defined as Total Lighting Load in a room divided by the Area of that Room in square meters.

In this Chapter we compute the percentage usage of LED Lighting to total Lighting Load of the College.

Now, we compute the usage of LED Lighting to Total Lighting Load, as under.

Table No 5: Percentage Usage of LED Lighting to Annual Lighting Load:

No	Particulars	Value	Unit
1	No of 40 W FTL Fittings	230	Nos
2	Demand of 40 W FTL Fitting	40	W/Unit
3	Total Electrical Load of 40 W FTL Fittings	9.2	kW
4	No of 20 W LED Tube Lights	51	Nos
5	Demand of 20 W LED Tube Light	20	W/Unit



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

6	Total Electrical Load of 20 W LED Fittings	1.02	kW
7	No of 16 W Panel LED Fittings	115	Nos
8	Demand of 16 W Panel LED Fittings	16	W/Unit
9	Total Electrical Load of 16 W Panel LED Fittings	1.84	kW
10	No of 3 W LED Fittings	25	Nos
11	Demand of 3 W LED Fittings	3	W/Unit
12	Total Electrical Load of 3 W LED Fittings	0.075	kW
13	No of PL Type 32 W CFL Fittings	135	Nos
14	Demand of PL Type 32 W CFL Fittings	32	W/Unit
15	Total Electrical Load of PL Type 32 W CFL Fittings	4.32	kW
16	Total LED Lighting Load= 6+9+12	2.94	kW
17	Total Lighting Load=3+6+9+12+15	16.46	kW
18	Lighting Requirement met by LED= $16 \times 100 / 17$	17.84	%

CHAPTER-VI

STUDY OF RENEWABLE ENERGY & ENERGY EFFICIENCY

Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

6.1 Renewable Energy Usage:

The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.

In the following Table, we compute the percentage of Usage of Alternate Energy to Annual Energy Demand of the College.

Table No 6: Computation of % Annual Energy Demand met by Alternate Energy:

No	Particulars	Value	Unit
1	Energy Purchased from MSEDCL	98824	kWh
2	Installed Roof Top Solar PV Plant Capacity	10	kWp
3	Average Daily Energy Generated	4	kWh/kWp
4	Annual Generation Days	300	Nos
5	Annual Solar Energy Generated	12000	kWh
6	Total Energy Demand = (1) + (5)	110824	kWh
7	% of Usage of Alternate Energy to Total Annual Energy Demand = $(5) \times 100 / (6)$	10.82	%

Photograph of Roof Top Solar PV Plant:



6.2 Usage of Energy Efficient Equipment:

The College has installed:

Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

- Energy efficient LED Light Fittings
- The ACs are BEESTAR Rated Energy Efficient ACs

Photograph of STAR Rated ACs & LED Fittings:





ENVIRONMENTAL AUDIT REPORT

of

**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi 411 044**



Year: 2022-23

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society
Near Mukhtangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: engress123@gmail.com



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School,
Parvati, Pune 411 009 Tel: 09890444795 Email: engress123@gmail.com
MEDA Registration No: ECN/2022-23/CR-43/1709
ISO: 9001-2015 Certified (Cert No: 23EQKC13),
ISO: 14001-2015 Certified (Cert No: 23EEKW20)

ENVIRONMENTAL AUDIT CERTIFICATE

Certificate No: ES/MMIT/22-23/03

Date: 18/5/2023

This is to certify that we have conducted Environmental Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2022-23.

The College has adopted following Energy Efficient & Green Practices:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Segregation of Waste at Source
- Provision of Sanitary Waste Incinerator for Sanitary Waste Disposal
- Implementation of Rain Water Management Project
- Tree Plantation in the campus
- Creation of Awareness on Resource Conservation, by Display of Posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the Eco Friendly.

For Engress Services,

A Y Mehendale,
B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23**REGISTRATION CERTIFICATES****MEDA Registration Certificate****GEM Certified Professional Certificate****ISO: 9001-2015 Certificate****ISO: 14001-2015 Certificate**



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

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I	Indoor Air Quality, Noise & Indoor Comfort Standards	22



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Environmental Audit of their Campus for the Academic Year: 22-23.

We are thankful to all the Staff members for helping us during the field study.



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

EXECUTIVE SUMMARY

1. **Progressive Education Society's Modern College of Pharmacy, Nigdi** consumes Energy in the form of **Electrical Energy and LPG**; used for various Electrical Equipment, office & other facilities.

2. Pollution due to College Activities:

- **Air pollution:** Mainly CO₂ on account of Electricity Consumption
- **Solid Waste:** Bio degradable Garden Waste
- **Liquid Waste:** Human liquid waste

3. Present Energy Consumption & CO₂ Emission:

No	Particulars	Value	Unit
1	Annual Energy Consumption	110824	kWh
2	Annual CO ₂ Emissions	89.65	MT

4. Study of Renewable Energy & CO₂ Emission Reduction:

- The College has installed **10 kWp** Roof Top Solar PV Plant.
- Energy generated by Solar PV Plant in 2022-23 is **12000 kWh**
- Reduction in CO₂ Emission in 2022-23 is **10.8 MT**

5. Indoor Air Quality Parameters:

No	Parameter/Value	AQI	PM-2.5	PM-10
1	Maximum	71	43	56
2	Minimum	43	25	27

6. Indoor Comfort Conditions:

No	Parameter/Value	Temperature, °C	Humidity, %	Lux Level	Noise Level, dB
1	Maximum	31.2	41	587	45.6
2	Minimum	31	39	142	40.9

7. Waste Management:

No	Head	Particulars
1	Solid Waste	Segregation of Waste at source
2	Bio Degradable Waste	Recommended to install a Bio Composting Bed
3	Sanitary Waste	Installed Sanitary Waste Incinerator



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

	Management	
4	Chemical Lab Liquid Waste	Follows Green Synthesis principle, no Waste is generated
5	Bio Medical Waste Management	Entered MoU with M/s PASCO
6	E Waste Management	Recommended to dispose of through Authorized Vendor

8. Rain Water Management:

The College has installed the Rain Water Management project; the rain water falling on the terrace is collected through pipes and is used for recharging the bore well.

9. Environment Friendly Initiatives:

- Maintenance of Internal Garden.
- Display of Posters on Resource Conservation

10. Assumptions:

1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
2. 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere
3. Average Energy generated by Solar PV Plant is 4 kWh/kWp per Day
4. Annual Energy Generation Days: 300 Nos

11. References:

- For CO₂ Emissions: www.tatapower.com
- For Solar PV Energy Generation: www.rooftopsolar.gov.in
- For Various Indoor Air Parameters: www.ishrae.com
- For AQI & Water Quality Standards: www.cpcb.com



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ABBREVIATIONS

Kg	: Kilo Gram
MSEDCL	: Maharashtra State Distribution Company Limited
MT	: Metric Ton
kWh	: kilo-Watt Hour
LPD	: Liters per Day
LED	: Light Emitting Diode
AQI	: Air Quality Index
PM-2.5	: Particulate Matter of Size 2.5 Micron
PM-10	: Particulate Matter of Size 10 Micron
CPCB	: Central Pollution Control Board
ISHRAE	: The Indian Society of Heating & Refrigerating & Air Conditioning Engineers



CHAPTER-I INTRODUCTION

1. Important Definitions:

1.1. Environment: Definition as per environment Protection Act: 1986

Environment includes water, air and land and the inter-relationship which exists among and between Water, Air, Land and Human beings, other living creatures, plants microorganism and property

1.2. Environmental Audit: Definition:

An audit which aims at verification and validation to ensure that various environmental laws are complied with and adequate care has been taken towards environmental protection and preservation

According to UNEP, 1990, "Environmental audit can be defined as a management tool comprising systematic, documented and periodic evaluation of how well environmental organization management and equipment are performing with an aim of helping to regularize the environment"

1.3. Environmental Pollutant: means any solid, liquid and gaseous substance present in the concentration as may be, or tend to be, injurious to Environment.

1.4 Audit Procedural Steps:



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

1.5 College Location Image:



College
Campus

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

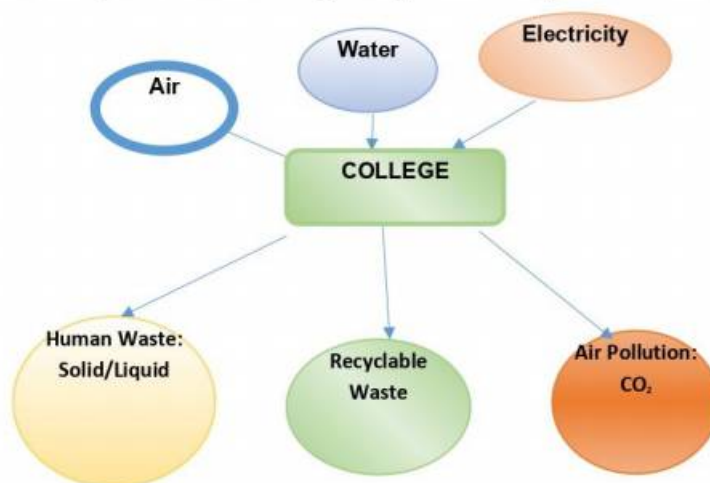
CHAPTER-II STUDY OF RESOURCE CONSUMPTION & CO₂ EMISSION

The College consumes following basic/derived Resources:

1. Air
2. Water
3. Electrical Energy

We try to draw a schematic diagram for the College System & Environment as under.

Chart No 1: Representation of College as System & Study of Resources & Waste



Now we compute the Generation of CO₂ on account of consumption of Electrical Energy. The basis of Calculation for CO₂ emissions due to Electrical Energy is as under.

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

Table No 1: Study of Consumption of Electrical Energy & CO₂ Emissions: 22-23:

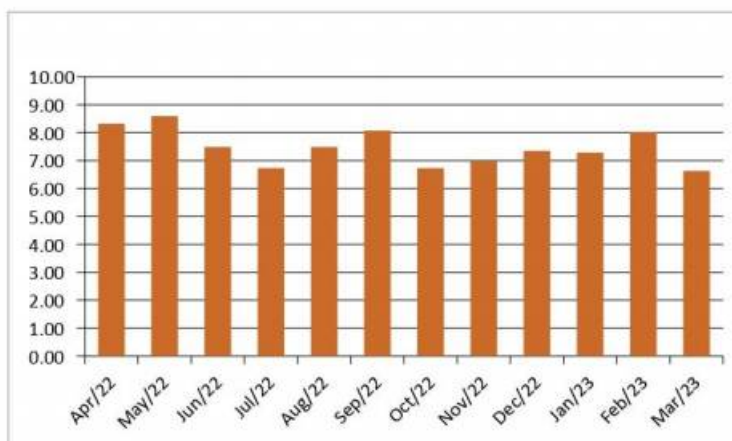
No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-22	9218	9.5	8.32
2	May-22	9492	19	8.59
3	Jun-22	8263	19	7.49
4	Jul-22	7422	19	6.73
5	Aug-22	8260	19	7.48
6	Sep-22	8857	38	8.07
7	Oct-22	7420	19	6.73



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

8	Nov-22	7714	9.5	6.97
9	Dec-22	8108	19	7.35
10	Jan-23	7980	38	7.28
11	Feb-23	8779	38	8.00
12	Mar-23	7311	19	6.63
13	Total	98824	266	89.65
14	Maximum	9492	38	8.59
15	Minimum	7311	9.5	6.63
16	Average	8235.33	22.17	7.47

Chart No 2: Month wise CO₂ Emissions:



CHAPTER III

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

STUDY OF USAGE OF RENEWABLE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No 2: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	10	kWp
2	Energy Generated in per kWp	4	kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 22-23	12000	kWh
5	1 kWh of Electrical Energy saves	0.9	Kg/kWh
6	Qty of CO ₂ Saved by Solar PV Plant $= (4) * (5) / 1000$	10.8	MT of CO ₂

Photograph of Roof Top Solar PV Plant:



CHAPTER IV



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

STUDY OF INDOOR AIR QUALITY

4.1 Importance of Air Quality:

Air: The common name given to the atmospheric gases used in breathing and photosynthesis.

By volume, Dry Air contains 78.09% Nitrogen, 20.95% Oxygen, 0.93% Argon, 0.039% carbon dioxide, and small amounts of other gases.

On average, a person inhales about **14,000 liters** of air every day. Therefore, poor air quality may affect the quality of life now and for future generations by affecting the health, the environment, the economy and the city's livability.

Air quality is a measure of the suitability of air for breathing by people, plants and animals.

4.2 Air Quality Index:

An **Air Quality Index (AQI)** is a number used by government agencies to measure the **air pollution** levels and communicate it to the population. As the AQI increases, it means that a large percentage of the population will experience severe adverse health effects. The measurement of the **AQI** requires an **air monitor** and an **air pollutant** concentration over a specified **averaging period**.

We present herewith following important Parameters.

1. AQI- Air Quality Index
2. PM-2.5- Particulate Matter of Size 2.5 micron
3. PM-10- Particulate Matter of Size 10 micron

Table No 3: Indoor Air Quality Parameters:

No	Location	AQI	PM-2.5	PM-10
	Ground Floor			
1	Entrance Lobby	53	32	33
2	Departmental Office	56	31	33
	Stilt Floor			
1	Pharmaceutical Analysis Lab	43	27	27
2	Instrument Room	55	30	31
	First Floor			
1	Class Room IV	50	30	31
2	Library	51	28	31
	Second Floor			
1	Administrative Office	46	26	28
2	HOD Pharmacology	43	25	28



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

	Third Floor			
1	Lab	70	42	55
2	Tutorial Room PG-IV	71	43	56
	Maximum	71	43	56
	Minimum	43	25	27

CHAPTER V STUDY OF INDOOR COMFORT CONDITION PARAMETERS

Engress Services, Pune

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

In this Chapter, we present the various Indoor Comfort Parameters measured during the Audit. The Parameters include:

1. Temperature
2. Humidity
3. Lux Level
4. Noise Level.

Table No 4: Study of Indoor Comfort Condition Parameters:

No	Parameter/Value	Temperature , °C	Humidity , %	Lux Level	Noise Level, dB
	Ground Floor				
1	Entrance Lobby	31.2	39	587	42.3
2	Departmental Office	31.2	41	215	44
	Stilt Floor				
1	Pharmaceutical Analysis Lab	31.2	41	169	41.6
2	Instrument Room	31.2	41	163	45
	First Floor				
1	Class Room IV	31.1	39	196	41.3
2	Library	31	40	147	45.6
	Second Floor				
1	Administrative Office	31.1	40	165	41.8
2	HOD Pharmacology	31.2	41	142	40.9
	Third Floor				
1	Lab	31	41	149	41.3
2	Tutorial Room PG-IV	31.2	40	153	42
	Maximum	31.2	41	587	45.6
	Minimum	31	39	142	40.9

CHAPTER VI STUDY OF WASTE MANAGEMENT

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

6.1 Segregation of Waste at Source:

The Waste is segregated at source. Separate Waste bins are kept at various points in the College.

Photograph of Waste Collection Bins:



6.2 Organic Waste Management:

It is recommended to install Bio Composting Bed to convert the Leafy Waste into Bio compost.

6.3 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, for disposal of Sanitary Waste.

Photograph of Sanitary Waste Incinerator:



6.4 Chemical Laboratory Liquid Waste Management:



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

The College is following the concept of Green Synthesis; hence, no Chemical Laboratory Liquid Waste is generated.

6.5 Bio Medical Waste Management:

The College has entered a Memorandum of understanding with M/s. PASCO, for disposal of Bio Medical Waste.

6.6 E-Waste Management:

It is recommended to dispose of the E Waste through Authorized Agency.

**CHAPTER-VII
STUDY OF RAIN WATER MANAGEMENT**

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

The College has implemented the Rain Water Management Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to recharge the bore well.

Photograph of Rain Water Management Pipe:



Rain Water
Collecting Pipe

Photograph of Rain Water Management Recharging Well Section:



Recharge Point

CHAPTER-VIII STUDY OF ECO FRIENDLY INITIATIVES

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

8.1 Internal Tree Plantation:

The College has well maintained landscaped garden in the campus.

Photograph of Tree plantation:



8.2 Creation of Awareness about Energy Conservation:

The College has displayed posters emphasizing on importance of Energy Conservation.

Photograph of Poster on Energy Conservation:



8.3 Cleanliness Drive Program OR TREE Plantation Program:



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

Under, NSS, Cleanliness Drive was conducted in the Village: Jamavade, in Taluka: Maval of Pune District.

Photograph of Cleanliness Drive Event:

ANNEXURE-I:

Engress Services, Pune

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

AIR QUALITY, NOISE & INDOOR COMFORT STANDARDS:

1. Category Wise Air Quality Index Values & Concentration of PM 2.5 & PM10:

No	Category	AQI Value	Concentration Range, PM 2.5	Concentration Range, PM 10
1	Good	0 to 50	0 to 30	0 to 50
2	Satisfactory	51 to 100	31 to 60	51 to 100
3	Moderately Polluted	101 to 200	61 to 90	101 to 250
4	Poor	201 to 300	91 to 120	251 to 350
5	Very Poor	301 to 400	121 to 250	351 to 430
6	Severe	401 to 500	250 +	430 +

2. Recommended Noise Level Standards:

No	Location	Noise Level dB
1	Auditoriums	20-25
2	Outdoor Playground	55
3	Occupied Class Room	40-45
4	Un occupied Class Room	35
5	Apartment, Homes	35-40
6	Offices	45-50
7	Libraries	35-40
8	Restaurants	50-55

4. Thermal Comfort Conditions: For Non-conditioned Buildings:

No	Parameter	Value
1	Temperature	Less Than 33°C
2	Humidity	Less Than 70%



GREEN AUDIT REPORT
of
**Progressive Education Society's,
MODERN COLLEGE OF PHARMACY,**
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044



Year: 2022-23

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society
Near Mukhtangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: engress123@gmail.com



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School,
Parvati, Pune 411 009 Tel: 09890444795 Email: engress123@gmail.com
MEDA Registration No: ECN/2022-23/CR-43/1709
ISO: 9001-2015 Certified (Cert No: 23EQKC13),
ISO: 14001-2015 Certified (Cert No: 23EEKW20)

GREEN AUDIT CERTIFICATE

Certificate No: ES/MCOP/22-23/02

Date: 18/5/2023

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2022-23.

The College has adopted following Energy Efficient & Green Practices:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Segregation of Waste at Source
- Provision of Sanitary Waste Incinerator for Sanitary Waste Disposal
- Implementation of Rain Water Management Project
- Good Internal Road
- Tree Plantation in the campus
- Provision of Ramp for Divyangajan
- Creation of Awareness on Resource Conservation, by Display of Posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Engress Services,

A Y Mehendale,

B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788

Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

REGISTRATION CERTIFICATES



MEDA Registration Certificate



GEM Certified Professional Certificate



ISO: 9001-2015 Certificate



ISO: 14001-2015 Certificate



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Green Audit of their Campus for the Academic Year: 22-23.

We are thankful to all the Staff members for helping us during the field study.



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of **Electrical Energy and LPG**; used for various Electrical Equipment, office & other facilities.

2. Present Energy Consumption & CO₂ Emission:

No	Particulars	Value	Unit
1	Annual Energy Consumption	110824	kWh
2	Annual CO ₂ Emissions	89.65	MT

3. Study of Renewable Energy & CO₂ Emission Reduction:

- The College has installed **10 kWp** Roof Top Solar PV Plant.
- Energy generated by Solar PV Plant in 2022-23 is **12000 kWh**
- Reduction in CO₂ Emission in 2022-23 is **10.8 MT**

4. Waste Management:

No	Head	Particulars
1	Solid Waste	Segregation of Waste at source
2	Bio Degradable Waste	Recommended to install a Bio Composting Bed
3	Sanitary Waste Management	Installed Sanitary Waste Incinerator
4	Chemical Lab Liquid Waste	Follows Green Synthesis principle, no Waste is generated
5	Bio Medical Waste Management	Entered MoU with M/s PASCO
6	E Waste Management	Recommended to dispose of through Authorized Vendor

5. Rain Water Management:

The College has installed the RainWater Management project; the rain water falling on the terrace is collected through pipes and is used for recharging the bore well.

6. Green & Sustainable Practices:

- Maintenance of good Internal Road
- Maintenance of Internal Garden
- Provision of Ramp for Divyangajan
- Creation of awareness on Resource Conservation Display of Posters



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

7. Assumptions:

1. **1 kWh** of Electrical Energy releases **0.9 Kg of CO₂** into atmosphere
2. **1 Kg** of LPG releases **2.68 Kg of CO₂** into atmosphere
3. Average Energy generated by Solar PV Plant is 4 kWh/kWp per Day
4. Annual Energy Generation Days: 300 Nos

8. References:

- Audit Methodology: www.mahaurja.com
- Energy Conservation Building Code: ECBC-2017: www.beeindia.gov.in
- For CO₂ Emissions: www.tatapower.com
- For Solar PV Energy Generation: www.rooftopsolar.gov.in

ABBREVIATIONS

Engress Services, Pune

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

BEE	Bureau of Energy Efficiency
kWh	Kilo Watt Hour
Kg	Kilo Gram
MT	Metric Ton
CO ₂	Carbon Di Oxide
Qty	Quantity

CHAPTER-I INTRODUCTION

Engress Services, Pune

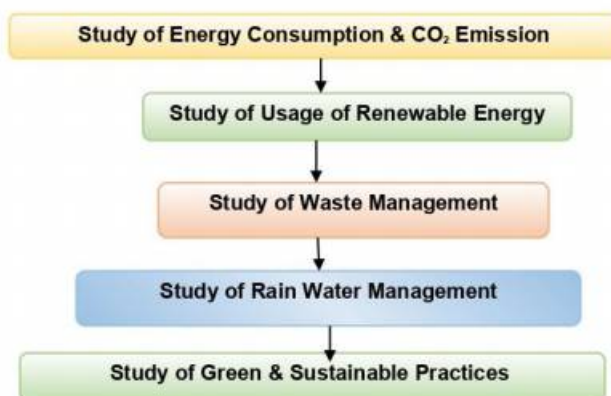
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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

1.1 Introduction:

A Green Audit is conducted at Progressive Education Society's Modern College of Pharmacy.

1.2 Audit Procedural Steps:



1.3 College Location Image:



CHAPTER-II STUDY OF ENERGY CONSUMPTION & CO₂ EMISSION



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities. In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy for various Electrical gadgets.

Basis for computation of CO₂ Emissions:

The basis of Calculation for CO₂ emissions due to Electrical Energy is as under

- **1 kWh** of Electrical Energy releases **0.9 Kg of CO₂** into atmosphere
- **1 Kg of LPG** releases **2.68 Kg** of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 1: Month wise CO₂ Emissions:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-22	9218	9.5	8.32
2	May-22	9492	19	8.59
3	Jun-22	8263	19	7.49
4	Jul-22	7422	19	6.73
5	Aug-22	8260	19	7.48
6	Sep-22	8857	38	8.07
7	Oct-22	7420	19	6.73
8	Nov-22	7714	9.5	6.97
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12	Mar-23	7311	19	6.63
13	Total	98824	266	89.65
14	Maximum	9492	38	8.59
15	Minimum	7311	9.5	6.63
16	Average	8235.33	22.17	7.47

Chart No 1: Month wise CO₂ Emissions:



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

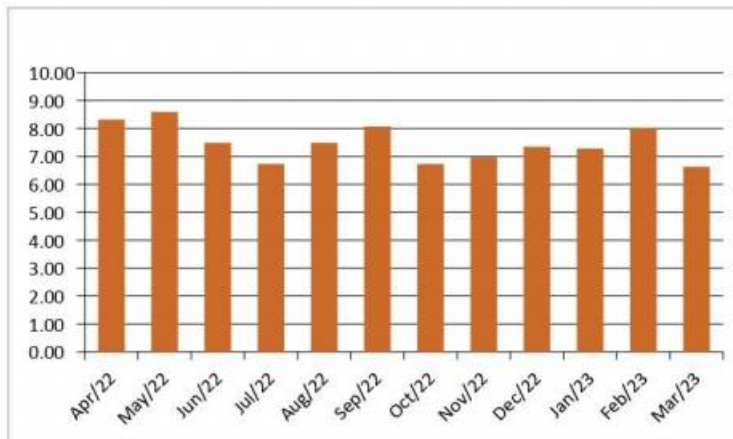


Table No 2: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	98824	266	89.65
2	Maximum	9492	38	8.59
3	Minimum	7311	9.5	6.63
4	Average	8235.33	22.17	7.47

CHAPTER III

Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

STUDY OF USAGE OF RENEWABLE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No 3: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	10	kWp
2	Energy Generated in per kWp	4	4 kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 21-22	12000	kWh
5	1 kWh of Electrical Energy saves	0.9	Kg/kWh
6	Qty of CO ₂ Saved by Solar PV Plant = (4)*(5) /1000	10.8	MT of CO ₂

Photograph of Roof Top Solar PV Plant:



CHAPTER IV

Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

STUDY OF WASTE MANAGEMENT

4.1 Segregation of Waste at Source:

The Waste is segregated at source. Separate Waste bins are kept at various points in the College.

Photograph of Waste Collection Bins:



4.2 Organic Waste Management:

It is recommended to install Bio Composting Bed to convert the Leafy Waste into Bio compost.

4.3 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, for disposal of Sanitary Waste.

Photograph of Sanitary Waste Incinerator:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

4.4 Chemical Laboratory Liquid Waste Management:

The College is following the concept of Green Synthesis; hence, no Chemical Laboratory Liquid Waste is generated.

4.5 Bio Medical Waste Management:

The College has entered a Memorandum of understanding with M/s. PASCO, for disposal of Bio Medical Waste.

4.6 E-Waste Management:

It is recommended to dispose of the E Waste through Authorized Agency.

CHAPTER V

Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

STUDY OF RAIN WATER MANAGEMENT

The College has implemented the Rain Water Management Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to recharge the bore well.

Photograph of Rain water Collection Pipe:



Rain Water
Collecting Pipe

Photograph of Rain Water Management Recharging Well Section:



Recharge Point

CHAPTER VI

Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

STUDY OF GREEN & SUSTAINABLE PRACTICES

6.1 Pedestrian Friendly Road & Internal Tree Plantation:

The College has well maintained internal road to facilitate the easy movement of the students within the campus. The College has well maintained landscaped garden in the campus.

Photograph of Internal Road & Tree plantation:



6.2 Provision of Ramp:

For easy movement of Divyangajan, the College has made provision of Ramp.

Photograph of Ramp:



6.3 Creation of Awareness about Energy Conservation:

Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

The College has displayed posters emphasizing on importance of Resource Conservation.

Photograph of Poster on Water Conservation:



6.4 Cleanliness Drive Program OR TREE Plantation Program:

Under, NSS, Cleanliness Drive was conducted in the Village: Jamavade, in Taluka: Maval of Pune District.

Photograph of Cleanliness Drive Event:

ANNEXURE-1:



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

DETAILS OF TREES& PLANTS:

1. List of Trees:

No	Common Name Of Tree	Qty
1	Palm	130
2	Audumbar	2
3	Ficus	10
4	Pimpal	1
5	Palas	1
6	Ashoka	2
7	Sonchampa	2
8	Chrimas	3
9	Mango	1
10	Chikoo	1
11	Rubber	1
12	Umberell Palm	5
13	Ticoma	2
14	Papaya	1
15	Shevri	1
16	Tagar	1
17	Ixzora	4
18	Kadunim	3
19	Total	171

2. List of Ornamental Plants:

No	Common Name
1	Coleus
2	Drecena
3	Song Of India
4	Hibiscus
5	Gokarna
6	Cactus
7	Tulsi
8	Rose
9	Jai

3. List of Medicinal Plants:



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2022-23

No.	Botanical Name	No.	Botanical Name
1.	<i>Adhatodavasica</i>	29.	<i>Lawsoniainermis</i>
2.	<i>Aegle marmelos</i>	30.	<i>Magnolia champaca</i>
3.	<i>Aloe barbadensis</i>	31.	<i>Mangifera indica</i>
4.	<i>Andrographis paniculata</i> Nees.	32.	<i>Mimosa pudica</i>
5.	<i>Annona reticulata</i> L.	33.	<i>Musa acuminata</i>
6.	<i>Asparagus racemosus</i> Wild.	34.	<i>Myristica fragrans</i>
7.	<i>Azadirachta indica</i>	35.	<i>Pimentaoica</i>
8.	<i>Bergerakoenigii</i>	36.	<i>Piper betel</i>
9.	<i>Butea monosperma</i>	37.	<i>Piper longum</i>
10.	<i>Cassia angustifolia</i>	38.	<i>Piper nigrum</i>
11.	<i>Catharanthus roseus</i>	39.	<i>Pongamia pinnata</i>
12.	<i>Centella asiatica</i>	40.	<i>Pterocarpus santalum</i>
13.	<i>Chrysalidocarpus lutescens</i>	41.	<i>Ricinus communis</i>
14.	<i>Cinnamomum zeylanicum</i> Breyn.	42.	<i>Rutaga graveolens</i>
15.	<i>Citrus limon</i>	43.	<i>Sapindus mukorossi</i>
16.	<i>Costus igneus</i>	44.	<i>Saraca asoca</i>
17.	<i>Curcuma amada</i>	45.	<i>Syzygium aromaticum</i>
18.	<i>Curcuma longa</i>	46.	<i>Syzygium cumini</i>
19.	<i>Cymbopogon citratus</i>	47.	<i>Tamarindus indica</i>
20.	<i>Elettaria cardamomum</i>	48.	<i>Terminalia arjuna</i>
21.	<i>Eucalyptus globules</i>	49.	<i>Terminalia bellirica</i>
22.	<i>Ficus glomerata</i>	50.	<i>Terminalia chebula</i>
23.	<i>Ficus racemosa</i>	51.	<i>Tinospora cordifolia</i>
24.	<i>Gymnema sylvestre</i>	52.	<i>Trachyspermum ammi</i>
25.	<i>Helicteres isora</i>	53.	<i>Vitex negundo</i> L.
26.	<i>Hemidesmus indicus</i>	54.	<i>Withania somnifera</i>
27.	<i>Hibiscus rosa-sinensis</i>	55.	<i>Eleocarpus ganitrus</i>
28.	<i>Kalanchoe pinnata</i>	56.	<i>Cinnamomum camphora</i>
29.	<i>Bryophyllum pinnatum</i>		



Green, Energy and Environment audit report 2021-22



ENVIRONMENTAL AUDIT REPORT

of
Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi 411 044



Year: 2021-22

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795, Email: engress123@gmail.com





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra-411007.
Ph. No: 020-35000430
Email: eec@meda.maharaja.com, Web: www.maharaja.com

ECN/2022-23/CR-43/1709 10th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with
MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA) under given category as
"Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of
MEDA.

Name and Address of the firm : M/s Engress Services
Yashdree, 26, Nirmal Bag Society,
Near Mukangan English School,
Parvati, Pune - 411 009.

Registration Category : Empowered Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/ECN/2022-23/Class A/EA-32.

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empowerment is valid till **09th May, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme.
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.

[Signature]
General Manager (EC)



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/MCOP/21-22/03

Date: 11/6/2022

CERTIFICATE

This is to certify that we have conducted Environmental Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2021-22.

The College has adopted following Environment Friendly Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Segregation of Waste at Source
- Provision of Sanitary Waste Incinerator for Sanitary Waste Disposal
- Implementation of Rain Water Harvesting Project
- Tree Plantation in the campus
- Creation of Awareness on Resource Conservation, by Display of Posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Environment Friendly.

For Engress Services,

A Y Mehendale,
Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044 , for awarding us the assignment of Environmental Audit of their Campus for the Academic Year: 21-22.

We are thankful to all the Staff members for helping us during the field study.

Engress Services, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of **Electrical Energy and LPG** used for various Electrical Equipment, office & other facilities.

2. Pollution due to College Activities:

- **Air pollution:** Mainly CO₂ on account of Electricity Consumption
- **Solid Waste:** Bio degradable Garden Waste
- **Liquid Waste:** Human liquid waste

3. Present Energy Consumption & CO₂ Emission:

No	Parameter/Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	57606	100	52.11
2	Maximum	5233	14	4.75
3	Minimum	3906	2	3.52
4	Average	8862.46	15.38	8.02

4. Various initiatives taken for Energy Conservation:

- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity **10kWp**.

5. Usage of Renewable Energy & Reduction in CO₂ Emission:

- The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.
- The Electrical Energy generated in 21-22 is **12000 kWh**.
- Reduction in CO₂ Emissions in 21-22 is **10.8MT**.

6. Indoor Air Quality Parameters:

No	Parameter/Value	AQI	PM-2.5	PM-10
1	Maximum	124	68	86
2	Minimum	100	60	76

7. Indoor Comfort Conditions:

No	Parameter/Value	Temperature, °C	Humidity, %	Lux Level	Noise Level, dB
1	Maximum	29.2	41	587	45
2	Minimum	28.8	40	147	36.9

Engress Services, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

8. Waste Management:

8.1 Segregation of Waste at Source:

The Waste is segregated at source and the recyclable waste, like paper waste is handed over to Authorized Agency for further action.

8.2 Organic Waste Management:

It is recommended to install Bio Composting Unit to convert the Bio degradable Waste into Bio compost, which can be used in the internal garden.

8.3 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, for disposal of Sanitary Waste.

8.4 Bio Medical Waste Management:

The College has entered a Memorandum of understanding with M/s. PASCO, for disposal of Bio Medical Waste.

8.5 Chemical Laboratory Waste Management:

The College is following the concept of Green Synthesis; hence, no Chemical Laboratory Waste is generated.

8.6 E-Waste Management:

It is recommended to dispose of the E Waste through Authorized Agency

9. Rain Water Harvesting:

The College has installed the Rainwater harvesting project, the rain water falling on the terrace is collected and is used for recharging the bore well.

10. Green & Sustainable Initiatives

- Good Internal Road
- Tree Plantation & Medicinal Plant Garden
- Provision of Ramp for Divyangajan
- Creation of Awareness by Display of Posters on Resource Conservation
- Tree Plantation and Cleanliness Drive Events, under National Service Scheme

11. Notes & Assumptions:

1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
2. 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere
3. 1 kWp Roof Top Solar PV Plant releases 4 kWh of Electrical Energy per Day.
4. Annual Solar Energy Generation Days: 300 Nos.





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

12. References:

- For CO₂ Emissions: www.tatapower.com
- For Solar PV Energy Generation: www.solarrooftop.gov.in
- For Various Indoor Air Parameters: www.ishrae.com
- For AQI & Water Quality Standards: www.cpcb.com

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ABBREVIATIONS

Kg	: Kilo Gram
MSEDCL	: Maharashtra State Distribution Company Limited
MT	: Metric Ton
kWh	: kilo-Watt Hour
LPD	: Liters per Day
LED	: Light Emitting Diode
AQI	: Air Quality Index
PM-2.5	: Particulate Matter of Size 2.5 Micron
PM-10	: Particulate Matter of Size 10 Micron
CPCB	: Central Pollution Control Board
ISHRAE	: The Indian Society of Heating & Refrigerating & Air Conditioning Engineers

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-I INTRODUCTION

1.1 Important Definitions:

1.1.1 Environment: Definition as per environment Protection Act: 1986

Environment includes water, air and land and the inter-relationship which exists among and between Water, Air, Land and Human beings, other living creatures, plants microorganism and property

1.1.2. Environmental Audit: Definition:

An audit which aims at verification and validation to ensure that various environmental laws are complied with and adequate care has been taken towards environmental protection and preservation

According to UNEP, 1990, "Environmental audit can be defined as a management tool comprising systematic, documented and periodic evaluation of how well environmental organization management and equipment are performing with an aim of helping to regularize the environment"

1.1.3. Environmental Pollutant: means any solid, liquid and gaseous substance present in the concentration as may be, or tend to be, injurious to Environment.

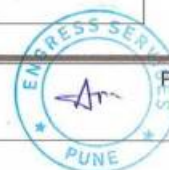
1.1.4. Relevant Environmental Laws in India: Table No-1:

1927	The Indian Forest Act
1972	The Wildlife Protection Act
1974	The Water (Prevention and Control of Pollution) Act
1977	The Water (Prevention & Control of Pollution) Cess Act
1980	The Forest (Conservation) Act
1981	The Air (Prevention and Control of Pollution) Act
1986	The Environment Protection Act
1991	The Public Liability Insurance Act
2002	The Biological Diversity Act
2010	The National Green Tribunal Act

1.1.5. Some Important Environmental Rules in India: Table No-2:

1989	Hazardous Waste (Management and Handling) Rules
1989	Manufacture, Storage and Import of Hazardous Chemical Rules
2000	Municipal Solid Waste (Management and Handling) Rules
1998	The Biomedical Waste (Management and Handling) Rules
1999	The Environment (Siting for Industrial Projects) Rules
2000	Noise Pollution (Regulation and Control) Rules
2000	Ozone Depleting Substances (Regulation and Control) Rules
2011	E-waste (Management and Handling) Rules

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

2011	National Green Tribunal (Practices and Procedure) Rules
2011	Plastic Waste (Management and Handling) Rules

1.1.6 National Environmental Plans & Policy Documents: Table No-3:

1.	National Forest Policy, 1988
2.	National Water Policy, 2002
3.	National Environment Policy or NEP (2006)
4.	National Conservation Strategy and Policy Statement on Environment and Development, 1992
5.	Policy Statement for Abatement of Pollution (1992)
6.	National Action Plan on Climate Change
7.	Vision Statement on Environment and Human Health
8.	Technology Vision 2030 (The Energy Research Institute)
9.	Addressing Energy Security and Climate Change (MoEF and Bureau of Energy Efficiency)
10.	The Road to Copenhagen; India's Position on Climate Change Issues (MoEF)

1.2 Objectives:

1. To study Resource Consumption & CO₂ Emissions
2. To Study CO₂ Emission Reduction
3. To study Indoor Air Quality Parameters
4. To study Indoor Comfort Condition Parameters
5. To Study of Waste Management
6. To Study of Rain Water Harvesting
7. To Study of Environment Friendly Initiatives

1.3 General Details of College: Table No 4:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Nigdi, Pune-411044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

1.4 Google Earth Image:



College
Campus





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-II

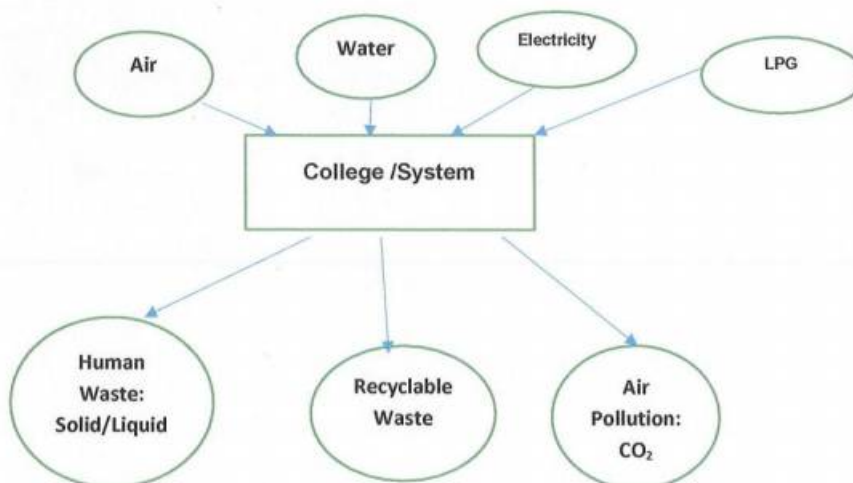
STUDY OF CONSUMPTION OF RECOURCES & CO₂ EMISSION

The Institute consumes following basic/derived Resources:

1. Air
2. Water
3. Electrical Energy

We try to draw a schematic diagram for the College System & Environment as under.

Chart No 1: Representation of College as System & Study of Resources & Waste



Now we compute the Generation of CO₂ on account of consumption of Electrical Energy. The basis of Calculation for CO₂ emissions due to LPG & Electrical Energy are as under

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Table No 5: Study of Consumption of Electrical Energy, LPG & CO₂ Emissions: 21-22:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-21	4872	4	4.40
2	May-21	5000	8	4.52
3	Jun-21	5233	14	4.75
4	Jul-21	5855	12	5.30
5	Aug-21	4622	19	4.21





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

6	Sep-21	5274	38	4.85
7	Oct-21	6074	38	5.57
8	Nov-21	5695	19	5.18
9	Dec-21	6541	19	5.94
10	Jan-22	5891	19	5.35
11	Feb-22	5782	38	5.31
12	Mar-22	6042	38	5.54
13	Total	66881	266	60.91
14	Maximum	6541	38	5.94
15	Minimum	4622	4	4.21
16	Average	5573.42	22.17	5.08

Chart No 2: Month wise CO₂Emissions:

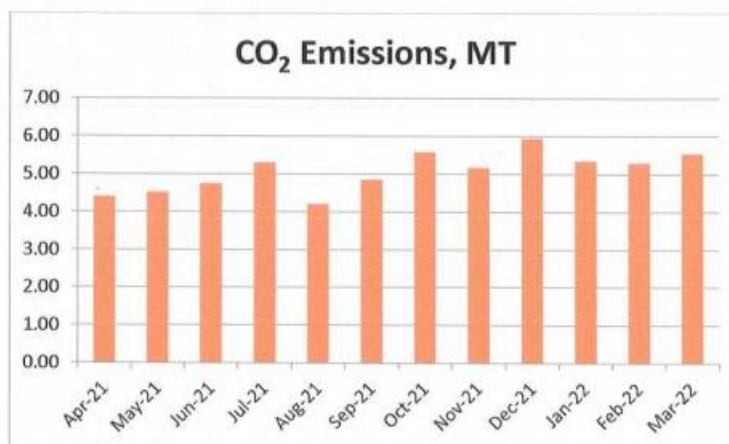


Table No 6: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	66881	266	60.91
2	Maximum	6541	38	5.94
3	Minimum	4622	4	4.21
4	Average	5573.42	22.17	5.08





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER III STUDY OF CO₂ EMISSION REDUCTION

The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No 7: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	10	kWp
2	Energy Generated in per kWp	4	4 kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 21-22	12000	kWh
5	1 kWh of Electrical Energy saves	0.9	Kg/kWh
6	Qty of CO ₂ Saved by Solar PV Plant $= (4) * (5) / 1000$	10.8	MT of CO ₂

Photograph of Roof Top Solar PV Plant:





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER IV STUDY OF INDOOR AIR QUALITY

4.1 Importance of Air Quality:

Air: The common name given to the atmospheric gases used in breathing and photosynthesis.

By volume, Dry Air contains 78.09% Nitrogen, 20.95% Oxygen, 0.93% Argon, 0.039% carbon dioxide, and small amounts of other gases.

On average, a person inhales about **14,000 liters** of air every day. Therefore, poor air quality may affect the quality of life now and for future generations by affecting the health, the environment, the economy and the city's livability.

Rapid urbanization and industrialization has added other elements/compounds to the pure air and thus caused the increase in pollution. In order to prevent, control and abate air pollution, the Air (Prevention and Control of Pollution) Act was enacted in 1981.

Air quality is a measure of the suitability of air for breathing by people, plants and animals.

According to Section 2(b) of Air (Prevention and control of pollution) Act, 1981 'air pollution' has been defined as 'the presence in the atmosphere of any air pollutant.'

4.2 Air Quality Index:

An **Air Quality Index (AQI)** is a number used by government agencies to measure the **air pollution** levels and communicate it to the population. As the AQI increases, it means that a large percentage of the population will experience severe adverse health effects. The measurement of the AQI requires an **air monitor** and an **air pollutant** concentration over a specified averaging period.

We present herewith following important Parameters.

1. AQI- Air Quality Index
2. PM-2.5- Particulate Matter of Size 2.5 micron
3. PM-10- Particulate Matter of Size 10micron

Table No 8: Indoor Air Quality Parameters:

No	Location	AQI	PM-2.5	PM-10
	Ground Floor			
1	Store Room	103	61	81
2	Industry Lab	100	60	76
3	Animal House	100	61	78
4	GYM	106	62	82
	Stilt Floor			
1	Pharma Chem Lab	110	64	81
2	Instrumental Room	113	64	85





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

3	NSS Office	112	64	84
4	Faculty Room	120	66	85
	First Floor			
1	Classroom-I	123	67	86
2	Tutorial Room-I	115	66	85
3	exam section	112	64	82
4	Library	118	67	85
	Second Floor			
1	Board Room	113	63	80
2	Departmental office	113	64	82
3	Phy. Lab	110	66	81
4	Pharmaceutics Lab	120	67	81
	Third Floor			
1	Tutorial Room-III	124	68	81
2	Pharma Research Lab	116	65	82
3	IQAC Room	115	63	84
4	Faculty Room	113	64	82
	Maximum	124	68	86
	Minimum	100	60	76





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER V STUDY OF INDOOR COMFORT CONDITION PARAMETERS

In this Chapter, we present the various Indoor Comfort Parameters measured during the Audit. The Parameters include:

1. Temperature
2. Humidity
3. Lux Level
4. Noise Level.

Table No 9: Study of Indoor Comfort Condition Parameters:

No	Location	Temperature, °C	Humidity, %	Lux Level	Noise Level, dB
	Ground Floor				
1	Store Room	29.2	40	587	45
2	Industry Lab	29.1	41	541	44.6
3	Animal House	29.2	41	498	44.9
4	GYM	29.1	41	213	42
	Stilt Floor				
1	Pharma Chem Lab	29.2	41	201	39.8
2	Instrumental Room	28.9	41	236	39.4
3	NSS Office	28.9	40	245	38.9
4	Faculty Room	28.9	41	312	39
	First Floor				
1	Classroom-I	29.1	40	547	42.6
2	Tutorial Room-I	29	41	512	41.2
3	exam section	29.1	41	496	44.1
4	Library	29.1	41	451	41.3
	Second Floor				
1	Board Room	29.2	40	149	42.3
2	Departmental office	28.9	40	169	41.6
3	Phy Lab	28.8	40	198	45
4	Pharmaceutics Lab	28.9	41	197	36.9
	Third Floor				
1	Tutorial Room-III	29	41	187	36.9
2	Pharma Research Lab	29	41	147	38.5
3	IQAC Room	29.1	40	163	41.3
4	Faculty Room	28.9	41	209	42
	Maximum	29.2	41	587	45
	Minimum	28.8	40	147	36.9



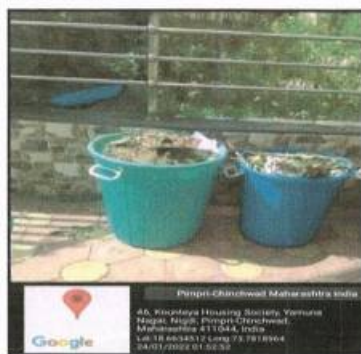
Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER VI STUDY OF WASTE MANAGEMENT

6.1 Segregation of Waste at Source:

The Waste is segregated at source and the recyclable waste, like paper waste is handed over to Authorized Agency for further action.

Photograph of Waste Collection Bins:



6.2 Organic Waste Management:

It is recommended to install Bio Composting Unit to convert the Bio degradable Waste into Bio compost, which can be used in the internal garden.

6.3 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, for disposal of Sanitary Waste.

Photograph of Sanitary Waste Incinerator:



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

6.4 Bio Medical Waste Management:

The College has entered a Memorandum of understanding with M/s. PASCO, for disposal of Bio Medical Waste.

6.5 Chemical Laboratory Waste Management:

The College is following the concept of Green Synthesis; hence, no Chemical Laboratory Waste is generated.

6.6 E-Waste Management:

It is recommended to dispose of the E Waste through Authorized Agency.

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-VII

STUDY OF RAIN WATER HARVESTING

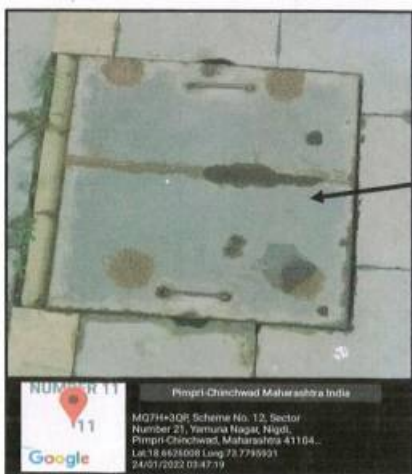
The College has implemented the Rain Water Harvesting Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to recharge the bore well.

Photograph of Rain water Harvesting Pipe:



Rain Water
Collecting Pipe

Photograph of Rain water Harvesting Recharging Well Section:



Recharge Point

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-VIII

STUDY OF ENVIRONMENT FRIENDLY INITIATIVES

8.1 Internal Tree Plantation:

The College has well maintained landscaped garden in the campus.

Photograph of Tree plantation:



8.2 Creation of Awareness about Resource Conservation:

The College has displayed posters emphasizing on importance of Energy Conservation.

Photograph of Poster on Resource Conservation:



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

8.3 Tree Plantation Program, under Mazi Vasundhara Abhiyan:

The College, under the NSS, conducted Mazi Vasundhara Program. Tree Plantation was done.

Photograph of Tree Plantation under Mazi Vasundhara Abhiyan:



8.4 Cleanliness Drive Program:

Under, NSS, Cleanliness Drive was conducted in the Village: Jamavade, in Taluka: Maval of Pune District.

Photograph of Cleanliness Drive Event:





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ANNEXURE-I:

VARIOUS AIR QUALITY, WATER QUALITY, NOISE & INDOOR COMFORT STANDARDS:

1. Category Wise Air Quality Index Values & Concentration of PM 2.5 & PM10:

No	Category	AQI Value	Concentration Range, PM 2.5	Concentration Range, PM 10
1	Good	0 to 50	0 to 30	0 to 50
2	Satisfactory	51 to 100	31 to 60	51 to 100
3	Moderately Polluted	101 to 200	61 to 90	101 to 250
4	Poor	201 to 300	91 to 120	251 to 350
5	Very Poor	301 to 400	121 to 250	351 to 430
6	Severe	401 to 500	250 +	430 +

2. Recommended Water Quality Standards:

No	Designated Best Use	Criteria
1	Drinking Water Source without conventional Treatment but after disinfection	pH between 6.5 to 8.5 Dissolved Oxygen 6 mg/l or more
2	Drinking water source after conventional treatment and disinfection	pH between 6 to 9 Dissolved Oxygen 4 mg/l or more
3	Outdoor Bathing (Organized)	pH between 6.5 to 8.5 Dissolved Oxygen 5 mg/l or more
4	Controlled Waste Disposal	pH between 6 to 8.5





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

3. Recommended Noise Level Standards:

No	Location	Noise Level dB
1	Auditoriums	20-25
2	Outdoor Playground	55
3	Occupied Class Room	40-45
4	Un occupied Class Room	35
5	Apartment, Homes	35-40
6	Offices	45-50
7	Libraries	35-40
8	Restaurants	50-55

4. Thermal Comfort Conditions: For Non-conditioned Buildings:

No	Parameter	Value
1	Temperature	Less Than 33°C
2	Humidity	Less Than 70%





GREEN AUDIT REPORT
of
Progressive Education Society's
MODERN COLLEGE OF PHARMACY,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044



Year: 2021-22

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35800450
Email: ee@mahaurja.com, Web: www.mahaurja.com

ECN/2022-23/CR-43/1709 10th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with
MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA) under given category as
"Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of
MEDA.

Name and Address of the firm : M/s Engress Services
Yashdree, 26, Nirmal Bag Society,
Near Mukundan English School,
Parvati, Pune - 411 009.

Registration Category : Empanelled Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/ECN/2022-23/Class A/EA-32.

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **09th May, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme.
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.

[Signature]
General Manager (FC)

 **GEM Certificate** 

ASSOCHAM hereby certifies that
Mr. AY Mehendale
has successfully passed the
Green and Eco-friendly Movement Certified Professional Test (GEM CP)
with
"Excellent Performance"
on
06 June, 2022
He/she is now eligible to execute the GEM Sustainability Certification Projects.
ASSOCHAM feels proud to award the GEM Certified Professional title to him/her.

[Signature] **Pankaj R. Dharkar**
Chairman, GEM

GEM CP 22/788

[Signature] **Deepak Sood**
Secretary General, ASSOCHAM

Engress Services, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/MCOP/21-22/02

Date: 11/6/2022

CERTIFICATE

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2021-22.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Segregation of Waste at Source
- Provision of Sanitary Waste Incinerator for Sanitary Waste Disposal
- Implementation of Rain Water Harvesting Project
- Maintenance of Good Internal Road
- Tree Plantation in the campus
- Provision of Ramp for Divyangajan
- Creation of Awareness on Resource Conservation, by Display of Posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Engress Services,

A Y Mehendale,
Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Green Audit of their Campus for the Academic Year: 21-22.

We are thankful to all the Staff members for helping us during the field study.

Engress Services, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of Electrical Energy and LPG used for various Electrical Equipment, office & other facilities.

2. Present Energy Consumption & CO₂ Emissions:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	66881	266	60.91
2	Maximum	6541	38	5.94
3	Minimum	4622	4	4.21
4	Average	5573.42	22.17	5.08

3. Various initiatives taken for Energy Conservation:

- Usage of Energy Efficient BEE STAR Rated Equipment
- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp.

4. Usage of Renewable Energy & CO₂ Emission Reduction:

- The College has installed Roof Top Solar PV Plant of Capacity 10kWp.
- The Electrical Energy generated in 21-22 is 12000 kWh.
- Reduction in CO₂ Emissions in 21-22 is 10.8 MT.

5. Waste Management:

5.1 Segregation of Waste at Source:

The Waste is segregated at source and the recyclable waste, like paper waste is handed over to Authorized Agency for further action.

5.2 Organic Waste Management:

It is recommended to install Bio Composting Unit to convert the Bio degradable Waste into Bio compost, which can be used in the internal garden.

5.3 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, for disposal of Sanitary Waste.

5.4 Bio Medical Waste Management:

The College has entered a Memorandum of understanding with M/s. PASCO, for disposal of Bio Medical Waste.

Engress Services, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

5.5 Chemical Laboratory Waste Management:

The College is following the concept of Green Synthesis; hence, no Chemical Laboratory Waste is generated.

5.6 E-Waste Management:

It is recommended to dispose of the E Waste through Authorized Agency

6. Rain Water Harvesting:

The College has installed the Rainwater harvesting project, the rain water falling on the terrace is collected and is used for recharging the bore well.

7. Green & Sustainable Initiatives

- Good Internal Road
- Tree Plantation & Medicinal Plant Garden
- Provision of Ramp for Divyangajan
- Creation of Awareness by Display of Posters on Resource Conservation
- Tree Plantation & Cleanliness Drive, under National Service Scheme

8. Notes & Assumptions:

1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
2. 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere
3. 1 kWp Roof Top Solar PV Plant releases 4 kWh of Electrical Energy per Day.
4. Annual Solar Energy Generation Days: 300 Nos.

9. References:

- For CO₂ Emissions: www.tatapower.com
- For Roof Top Solar Energy generation: www.solarrooftop.gov.in





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ABBREVIATIONS

BEE	Bureau of Energy Efficiency
kWh	Kilo Watt Hour
LPD	Liters Per Day
Kg	Kilo Gram
MT	Metric Ton
CO ₂	Carbon Di Oxide
Qty	Quantity





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study Present Energy Consumption
2. To Study CO₂ emissions
3. To study usage of Renewable Energy
4. Study of Waste Management
5. Study of Rain Water Harvesting
6. Study of Green & Sustainable Practices

1.2 General Details of College: Table No 1:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Sector 21, Yamuna Nagar, Nigdi 411 044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University

1.3 Google Earth Image:



Engress Services, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-II STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

Table No 2: Electrical Energy & LPG Consumption Analysis- 2021-22:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg
1	Apr-21	4872	4
2	May-21	5000	8
3	Jun-21	5233	14
4	Jul-21	5855	12
5	Aug-21	4622	19
6	Sep-21	5274	38
7	Oct-21	6074	38
8	Nov-21	5695	19
9	Dec-21	6541	19
10	Jan-22	5891	19
11	Feb-22	5782	38
12	Mar-22	6042	38
13	Total	66881	266
14	Maximum	6541	38
15	Minimum	4622	4
16	Average	5573.42	22.17

Chart No 1: Variation in Monthly Energy Purchased:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

Chart No 2: Variation in Variation in Monthly LPG Consumption:

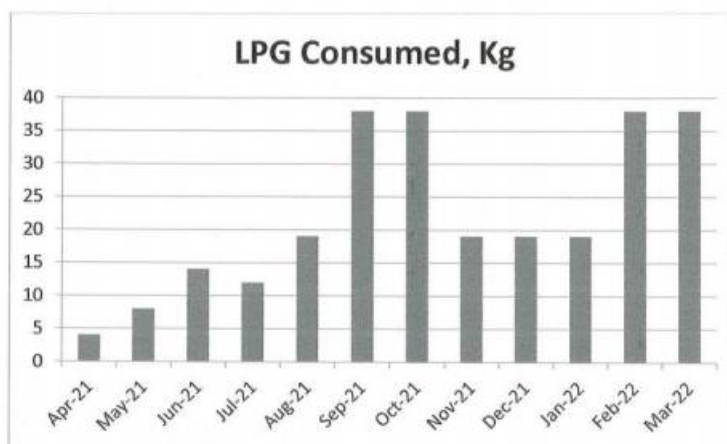


Table No 3: Variation in Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg
1	Total	66881	266
2	Maximum	6541	38
3	Minimum	4622	4
4	Average	5573.42	22.17





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER III STUDY OF CARBON FOOTPRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy and LPG as the Energy Source.

Basis for computation of CO₂ Emissions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 4: Month wise CO₂ Emissions:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-21	4872	4	4.40
2	May-21	5000	8	4.52
3	Jun-21	5233	14	4.75
4	Jul-21	5855	12	5.30
5	Aug-21	4622	19	4.21
6	Sep-21	5274	38	4.85
7	Oct-21	6074	38	5.57
8	Nov-21	5695	19	5.18
9	Dec-21	6541	19	5.94
10	Jan-22	5891	19	5.35
11	Feb-22	5782	38	5.31
12	Mar-22	6042	38	5.54
13	Total	66881	266	60.91
14	Maximum	6541	38	5.94
15	Minimum	4622	4	4.21
16	Average	5573.42	22.17	5.08





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

Chart No 3: Month wise CO₂Emissions:

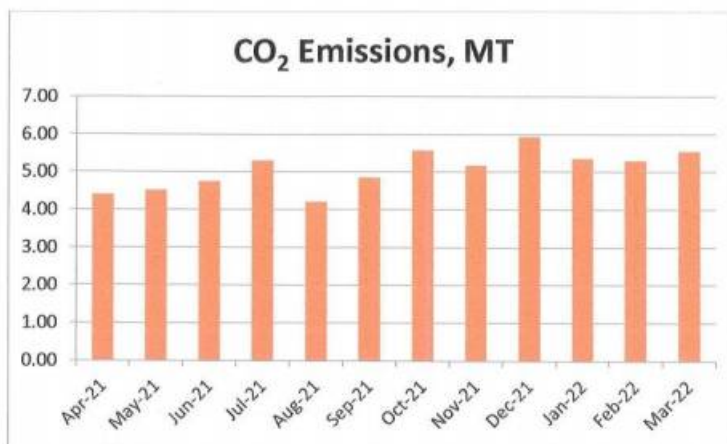


Table No 5: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	66881	266	60.91
2	Maximum	6541	38	5.94
3	Minimum	4622	4	4.21
4	Average	5573.42	22.17	5.08





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER IV STUDY OF USAGE OF RENEWABLE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No6: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	10	kWp
2	Energy Generated in per kWp	4	4 kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 21-22	12000	kWh
5	1 kWh of Electrical Energy saves	0.9	Kg/kWh
6	Qty of CO ₂ Saved by Solar PV Plant $= (4) * (5) / 1000$	10.8	MT of CO ₂

Photograph of Roof Top Solar PV Plant:



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER V STUDY OF WASTE MANAGEMENT

5.1 Segregation of Waste at Source:

The Waste is segregated at source and the recyclable waste, like paper waste is handed over to Authorized Agency for further action.

Photograph of Waste Collection Bins:



5.2 Organic Waste Management:

It is recommended to install Bio Composting Unit to convert the Bio degradable Waste into Bio compost, which can be used in the internal garden.

5.3 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, for disposal of Sanitary Waste.

Photograph of Sanitary Waste Incinerator:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

5.4 Bio Medical Waste Management:

The College has entered a Memorandum of understanding with M/s. PASCO, for disposal of Bio Medical Waste.

5.5 Chemical Laboratory Waste Management:

The College is following the concept of Green Synthesis; hence, no Chemical Laboratory Waste is generated.

5.6 E-Waste Management:

It is recommended to dispose of the E Waste through Authorized Agency.



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-VI STUDY OF RAIN WATER HARVESTING

The College has implemented the Rain Water Harvesting Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to recharge the bore well.

Photograph of Rain water Harvesting Pipe:



Rain Water
Collecting Pipe

Photograph of Rain water Harvesting Recharging Well Section:



Recharge Point



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-VII STUDY OF GREEN & SUSTAINABLE PRACTICES

7.1 Pedestrian Friendly Roads:

The College has well maintained internal road to facilitate the easy movement of the students within the campus.

Photograph of Internal Road:



7.2 Internal Tree Plantation:

The College has well maintained Tree Plantation in the campus.

Photograph of Tree plantation:



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

7.3 Provision of Ramp:

For easy movement of Divyangajan, the College has made provision of Ramp.

Photograph of Ramp:



7.4 Creation of Awareness about Energy Conservation:

The College has displayed posters emphasizing on importance of Resource Conservation.

Photograph of Poster on Water Conservation:



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

7.5 Tree Plantation Program under Mazi Vasundhara Abhiyan:

The College, under the NSS, conducted Mazi Vasundhara Program. Tree Plantation was done.

Photograph of Tree Plantation under Mazi Vasundhara Abhiyan:



7.6 Cleanliness Drive Program:

Under, NSS, Cleanliness Drive was conducted in the Village: Jamavade, in Taluka: Maval of Pune District.

Photograph of Cleanliness Drive Event:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ANNEXURE-1:
DETAILS OF TREES& PLANTS:

1. List of Trees:

No	Common Name Of Tree	Qty
1	Palm	130
2	Audumbar	2
3	Ficus	10
4	Pimpal	1
5	Palas	1
6	Ashoka	2
7	Sonchampa	2
8	Christmas	3
9	Mango	1
10	Chikoo	1
11	Rubber	1
12	Umbrell Palm	5
13	Ticoma	2
14	Papaya	1
15	Shevri	1
16	Tagar	1
17	Ixzora	4
18	Kadunim	3
19	Total	171

2. List of Ornamental Plants:

No	Common Name
1	Coleus
2	Drecena
3	Song Of India
4	Hibiscus
5	Gokarna
6	Cactus
7	Tulsi
8	Rose
9	Jai





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

3. List of Medicinal Plants:

No.	Botanical Name	No.	Botanical Name
1.	<i>Adhatodavasica</i>	29.	<i>Lawsoniainermis</i>
2.	<i>Aegle marmelos</i>	30.	<i>Magnolia champaca</i>
3.	<i>Aloe barbadensis</i>	31.	<i>Mangifera indica</i>
4.	<i>Andrographis paniculata</i> Nees.	32.	<i>Mimosa pudica</i>
5.	<i>Annona reticulata</i> L.	33.	<i>Musa acuminata</i>
6.	<i>Asparagus racemosus</i> Wild.	34.	<i>Myristica fragrans</i>
7.	<i>Azadirachta indica</i>	35.	<i>Pimentadiaoica</i>
8.	<i>Bergerakoenigii</i>	36.	<i>Piper betel</i>
9.	<i>Butea monosperma</i>	37.	<i>Piper longum</i>
10.	<i>Cassia angustifolia</i>	38.	<i>Piper nigrum</i>
11.	<i>Catharanthus roseus</i>	39.	<i>Pongamia pinnata</i>
12.	<i>Centella asiatica</i>	40.	<i>Pterocarpus santalum</i>
13.	<i>Chrysalidocarpus lutescens</i>	41.	<i>Ricinus communis</i>
14.	<i>Cinnamomum zeylanicum</i> Breyn.	42.	<i>Rutagraveolens</i>
15.	<i>Citrus limon</i>	43.	<i>Sapindus mukorossi</i>
16.	<i>Costus igneus</i>	44.	<i>Saraca asoca</i>
17.	<i>Curcuma amada</i>	45.	<i>Syzygium aromaticum</i>
18.	<i>Curcuma longa</i>	46.	<i>Syzygium cumini</i>
19.	<i>Cymbopogon citratus</i>	47.	<i>Tamarindus indica</i>
20.	<i>Elettaria cardamomum</i>	48.	<i>Terminalia arjuna</i>
21.	<i>Eucalyptus globules</i>	49.	<i>Terminalia bellirica</i>
22.	<i>Ficus glomerata</i>	50.	<i>Terminalia chebula</i>
23.	<i>Ficus racemosa</i>	51.	<i>Tinospora cordifolia</i>
24.	<i>Gymnema sylvestre</i>	52.	<i>Trachyspermum ammi</i>
25.	<i>Helicteres isora</i>	53.	<i>Vitex negundo</i> L.
26.	<i>Hemidesmus indicus</i>	54.	<i>Withania somnifera</i>
27.	<i>Hibiscus rosa-sinensis</i>	55.	<i>Eleocarpus ganitrus</i>
28.	<i>Kalanchoe pinnata</i>	56.	<i>Cinnamomum camphora</i>
29.	<i>Bryophyllum pinnatum</i>		





ENERGY AUDIT REPORT
of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2021-22

Prepared by:

ENGRESS SERVICES


Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795, Email: engress123@gmail.com





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

**Maharashtra Energy Development Agency**
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2022-23/CR-43/1709 10th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**


We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Engress Services
Yashshree, 26, Nirmal Bag Society,
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General Manager (EC)

Engress Services, Pune



Page 2



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/MCOP/21-22/01

Date: 11/6/2022

CERTIFICATE

This is to certify that we have conducted Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2021-22.

The College has adopted following Energy Efficient Practices:

- Usage of Energy Efficient LED Fittings
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Engress Services,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

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3	Study of Present Energy Consumption	11
4	Study of Carbon Foot Printing	13
5	Study of Usage of Alternate Energy	14
6	Study of LED Lighting	15





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College Of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Energy Audit of their Campus for the Academic Year: 21-22.

We are thankful to all the Staff members for helping us during the field study.

Engress Services, Pune



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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

EXECUTIVE SUMMARY

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1	Total	66881	266	60.91
2	Maximum	6541	38	5.94
3	Minimum	4622	4	4.21
4	Average	5573.42	22.17	5.08

3. Energy Conservation projects already installed:

- Usage of Energy Efficient LED fittings
- Maximum Usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

4. Usage of Alternate Energy:

- The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.
- Energy purchased from MSEDCL is 66881 kWh.
- Energy generated by Roof Top Solar PV Plant is 12000 kWh.
- The Annual Energy Demand of the College is: 78881 kWh.
- The percentage of Usage of Alternate Energy to Annual Energy Demand is 15.21 %.

5. Usage of LED Lighting:

- The Total Lighting Load of the College is 16.90 kW.
- The Total LED Lighting Load of the College is 2.16 kW.
- The percentage of LED Lighting to Total Lighting Load is 15.45 %.

6. Assumptions:

1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
2. 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere
3. 1 kWp Roof Top Solar PV Plant generates 4 kWh of Electrical Energy per Day.
4. Annual Solar Energy Generation Days: 300 Nos.

7. References:

- For CO₂ Emissions: www.tatapower.com
- For Roof Top Solar PV Plant Energy generation: www.solarroftop.gov.in





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

ABBREVIATIONS

LED	: Light Emitting Diode
MSEDCL	: Maharashtra State Electricity Distribution Company Limited
IQAC	: Internal Quality Assurance Cell
BEE	: Bureau of Energy Efficiency
FTL	: Fluorescent Tube Light
CFL	: Compact Fluorescent Light
PV	: Photo Voltaic
Kg	: Kilo Gram
kWh	: kilo-Watt Hour
CO ₂	: Carbon Di Oxide
MT	: Metric Ton

Engress Services, Pune



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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study Connected Load and Present Energy Consumption
2. To Study the present CO₂ emissions
3. To study usage of Alternate Energy
4. To study usage of LED Lighting

1.2 Table No 1: General Details of the College:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Sector 21, Yamuna Nagar, Nigdi 411 044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University

1.3 Google Earth Image:



College
Campus





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

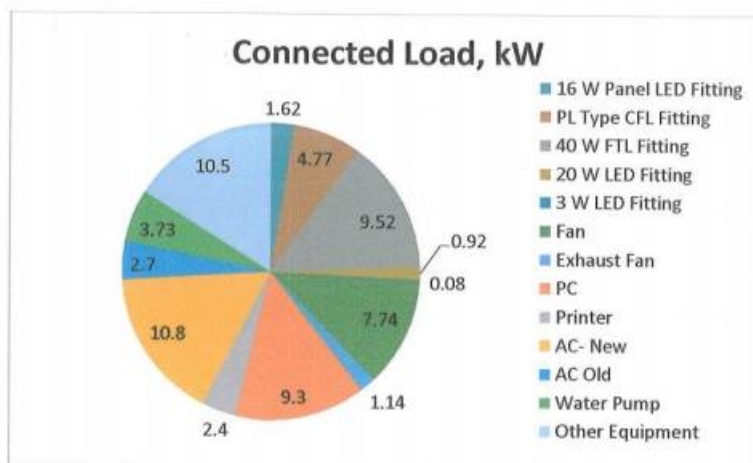
CHAPTER-II STUDY OF CONNECTED LOAD

The major contributors to the connected load of the College include:

Table No 2: Study of Equipment wise Connected Load:

No	Equipment	Qty	Load, W/Unit	Load, kW
1	16 W Panel LED Fitting	101	16	1.62
2	PL Type CFL Fitting	149	32	4.77
3	40 W FTL Fitting	238	40	9.52
4	20 W LED Fitting	46	20	0.92
5	3 W LED Fitting	25	3	0.08
6	Fan	119	65	7.74
7	Exhaust Fan	22	52	1.14
8	PC	62	150	9.30
9	Printer	16	150	2.40
10	AC- New	6	1800	10.80
11	AC Old	1	2700	2.70
12	Water Pump	1	3730	3.73
13	Other Equipment	70	150	10.50
14	Total			65.21

Chart No 1: Study of Connected Load:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

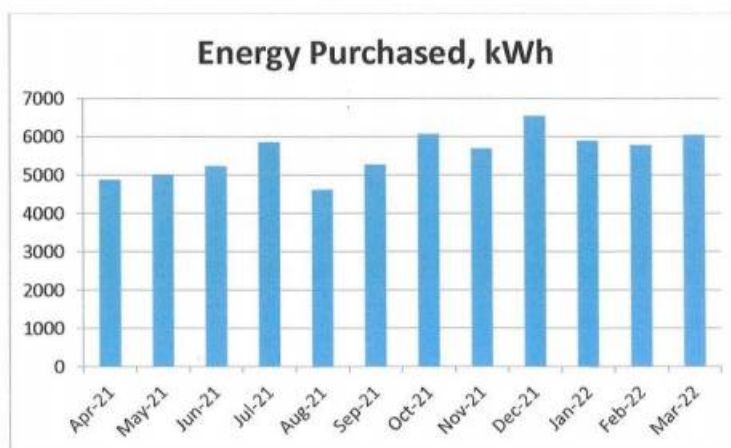
CHAPTER-III STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

Table No 3: Electrical Energy & LPG Consumption Analysis- 2021-22:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg
1	Apr-21	4872	4
2	May-21	5000	8
3	Jun-21	5233	14
4	Jul-21	5855	12
5	Aug-21	4622	19
6	Sep-21	5274	38
7	Oct-21	6074	38
8	Nov-21	5695	19
9	Dec-21	6541	19
10	Jan-22	5891	19
11	Feb-22	5782	38
12	Mar-22	6042	38
13	Total	66881	266
14	Maximum	6541	38
15	Minimum	4622	4
16	Average	5573.42	22.17

Chart No 2: Variation in Monthly Energy Consumption:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

Chart No 3: Variation in Monthly LPG Consumption:

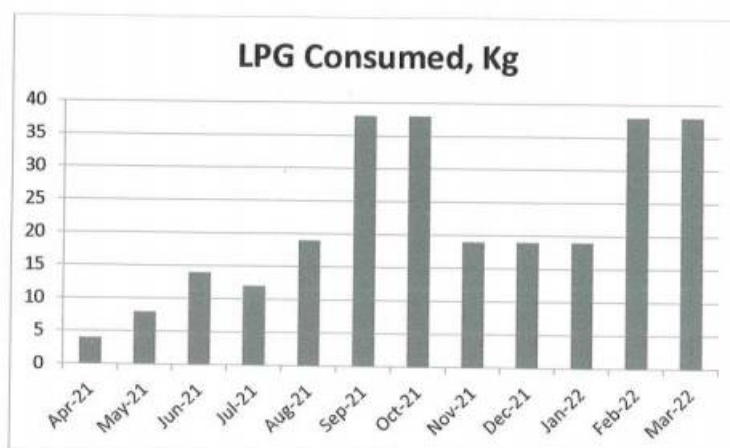


Table No 4: Variation in Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg
1	Total	66881	266
2	Maximum	6541	38
3	Minimum	4622	4
4	Average	5573.42	22.17





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-IV STUDY OF CARBON FOOTPRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy and LPG as the Energy Source.

Basis for computation of CO₂ Emissions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 5: Month wise CO₂ Emissions:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-21	4872	4	4.40
2	May-21	5000	8	4.52
3	Jun-21	5233	14	4.75
4	Jul-21	5855	12	5.30
5	Aug-21	4622	19	4.21
6	Sep-21	5274	38	4.85
7	Oct-21	6074	38	5.57
8	Nov-21	5695	19	5.18
9	Dec-21	6541	19	5.94
10	Jan-22	5891	19	5.35
11	Feb-22	5782	38	5.31
12	Mar-22	6042	38	5.54
13	Total	66881	266	60.91
14	Maximum	6541	38	5.94
15	Minimum	4622	4	4.21
16	Average	5573.42	22.17	5.08





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

Chart No 4: Month wise CO₂Emissions:

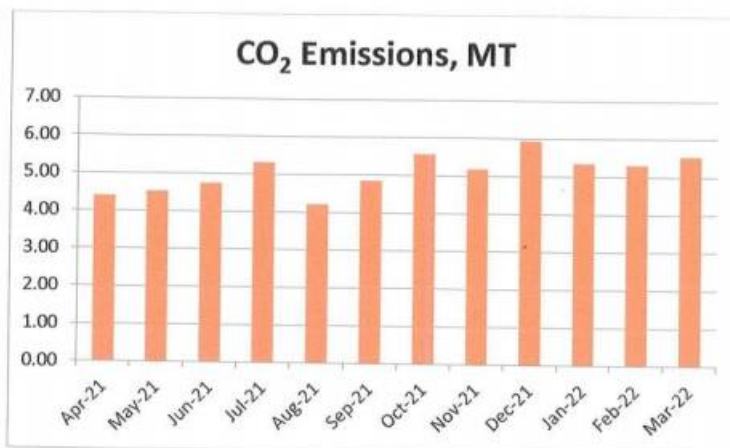


Table No 6: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	66881	266	60.91
2	Maximum	6541	38	5.94
3	Minimum	4622	4	4.21
4	Average	5573.42	22.17	5.08





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER-V STUDY OF USAGE OF ALTERNATE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.

In the following Table, we compute the percentage of Usage of Alternate Energy to Annual Energy Demand of the College.

Table No 7: Computation of % Annual Energy Demand met by Alternate Energy:

No	Particulars	Value	Unit
1	Energy Purchased from MSEDCL	57606	kWh
2	Installed Roof Top Solar PV Plant Capacity	10	kWp
3	Average Daily Energy Generated	4	kWh/kWp
4	Annual Generation Days	300	Nos
5	Annual Solar Energy Generated	12000	kWh
6	Total Energy Demand = (1) + (5)	69606	kWh
7	% of Usage of Alternate Energy to Total Annual Energy Demand= (5)*100/ (6)	17.24	%

Photograph of Roof Top Solar PV Plant:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2021-22

CHAPTER VI STUDY OF USAGE OF LED LIGHTING

In this chapter, we compute the percentage of usage of LED Lighting to Total Lighting Load.

Table No 8: Usage of LED Lighting to Total Lighting Load:

No	Particulars	Value	Unit
1	No of 40 W FTL Fittings	238	Nos
2	Demand of 40 W FTL Fitting	40	W/Unit
3	Total Electrical Load of 40 W FTL Fittings	9.52	kW
4	No of 20 W LED Tube Lights	46	Nos
5	Demand of 20 W LED Tube Light	20	W/Unit
6	Total Electrical Load of 20 W LED Fittings	0.92	kW
7	No of 16 W Panel LED Fittings	101	Nos
8	Demand of 16 W Panel LED Fittings	16	W/Unit
9	Total Electrical Load of 16 W Panel LED Fittings	1.62	kW
10	No of 3 W LED Fittings	25	Nos
11	Demand of 3 W LED Fittings	3	W/Unit
12	Total Electrical Load of 3 W LED Fittings	0.075	kW
13	No of PL Type 32 W CFL Fittings	149	Nos
14	Demand of PL Type 32 W CFL Fittings	32	W/Unit
15	Total Electrical Load of PL Type 32 W CFL Fittings	4.768	kW
16	Total LED Lighting Load= 6+9+12	2.61	kW
17	Total Lighting Load=3+6+9+12+15	16.90	kW
18	Annual Lighting Requirement met by LED= $16 \times 100 / 17$	15.45	%





Green, Energy and Environment audit report 2020-21



ENVIRONMENTAL AUDIT REPORT

of
Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi 411 044



Year: 2020-21

Prepared by:

Enrich Consultants


Yashashree, 26, Nirmal Bag Society,
Near Muktagan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

MAHARASHTRA ENERGY DEVELOPMENT AGENCY
An ISO 9001 : 2000 Reg. no. : RD/91/2462

**Maharashtra Energy Development Agency**
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2021-22/CR-14/1577 22nd April, 2021

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**


We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Enrich Consultants
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Muktangan English School, Parvati,
Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/ECN/2021-22/Class A/EA-03

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **21st April, 2023** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)

Enrich Consultants, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/20-21/03

Date: 01/9/2021

CERTIFICATE

This is to certify that we have conducted Environmental Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2020-21.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp.
- Provision of Separate bins for Dry & Wet Waste
- Tree Plantation in the campus
- Provision of Sanitary Waste Incinerator

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192



Enrich Consultants, Pune

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I	Various Standards in respect of Indoor Air Quality, Water, Noise & Indoor Comfort Condition	22





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Environmental Audit of their Campus for the Academic Year: 20-21.

We are thankful to all the Staff members for helping us during the field study.

Enrich Consultants, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of Electrical Energy and LPG used for various Electrical Equipment, office & other facilities.

2. Various Pollution due to College Activities:

- Air pollution: Mainly CO₂ on account of Electricity Consumption
- Solid Waste: Bio degradable Garden Waste
- Liquid Waste: Human liquid waste

3. Present Energy Consumption & CO₂ Emission:

No	Parameter/Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	57606	100	52.11
2	Maximum	5233	14	4.75
3	Minimum	3906	2	3.52
4	Average	8862.46	15.38	8.02

4. Various initiatives taken for Energy Conservation:

- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp.

5. Usage of Renewable Energy & Reduction in CO₂ Emission:

- The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.
- The Electrical Energy generated in 20-21 is 12000 kWh.
- Reduction in CO₂ Emissions in 2020-21 works out to be 10.8 MT.

6. Indoor Air Quality Parameters:

No	Parameter/Value	AQI	PM-2.5	PM-10
1	Maximum	186	86	93
2	Minimum	110	63	79

7. Indoor Comfort Conditions:

No	Parameter/Value	Temperature, °C	Humidity, %	Lux Level	Noise Level, dB
1	Maximum	29.2	41	270	71
2	Minimum	28.8	40	98	36





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

8.1 Solid Waste Management:

8.1.1 Segregation of Waste at Source:

The Waste is segregated at source and the recyclable waste, like paper, plastic waste is handed over to Authorized waste collecting agent for further recycling.

8.1.2 Organic Waste Management:

It is recommended to install Bio Composting Unit to convert the Bio degradable Waste into Bio compost, which can be used in the internal garden.

8.2 E-Waste Management:

The E-Waste is disposed of through Authorized E-Waste collecting agency.

9. Rain Water Harvesting:

The College has installed the Rainwater harvesting project, the rain water falling on the terrace is collected and is used for recharging the bore well.

10. Green & Sustainable Initiatives

- Provision of Sanitary Waste Incinerator
- Medicinal Plant Garden in the college premises
- Display of Posters on Resource Conservation

11. Notes & Assumptions:

1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
2. 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere
3. 1 kWp Roof Top Solar PV Plant releases 4 kWh of Electrical Energy per Day.
4. Annual Solar Energy Generation Days: 300 Nos.

12. References:

- For CO₂ Emissions: www.tatapower.com
- For Energy Saved by Solar Thermal Water Heating System: www.mahauria.com
- For Various Indoor Air Parameters: www.ishrae.com
- For AQI & Water Quality Standards: www.cpcb.com





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

ABBREVIATIONS

Kg	: Kilo Gram
MSEDCL	: Maharashtra State Distribution Company Limited
MT	: Metric Ton
kWh	: kilo-Watt Hour
LPD	: Liters per Day
LED	: Light Emitting Diode
AQI	: Air Quality Index
PM-2.5	: Particulate Matter of Size 2.5 Micron
PM-10	: Particulate Matter of Size 10 Micron
CPCB	: Central Pollution Control Board
ISHRAE	: The Indian Society of Heating & Refrigerating & Air Conditioning Engineers





CHAPTER-I INTRODUCTION

1.1 Important Definitions:

1.1.1 Environment: Definition as per environment Protection Act: 1986

Environment includes water, air and land and the inter-relationship which exists among and between Water, Air, Land and Human beings, other living creatures, plants microorganism and property

1.1.2. Environmental Audit: Definition:

An audit which aims at verification and validation to ensure that various environmental laws are complied with and adequate care has been taken towards environmental protection and preservation

According to UNEP, 1990, "Environmental audit can be defined as a management tool comprising systematic, documented and periodic evaluation of how well environmental organization management and equipment are performing with an aim of helping to regularize the environment"

1.1.3. Environmental Pollutant: means any solid, liquid and gaseous substance present in the concentration as may be, or tend to be, injurious to Environment.

1.1.4. Relevant Environmental Laws in India: Table No-1:

1927	The Indian Forest Act
1972	The Wildlife Protection Act
1974	The Water (Prevention and Control of Pollution) Act
1977	The Water (Prevention & Control of Pollution) Cess Act
1980	The Forest (Conservation) Act
1981	The Air (Prevention and Control of Pollution) Act
1986	The Environment Protection Act
1991	The Public Liability Insurance Act
2002	The Biological Diversity Act
2010	The National Green Tribunal Act

1.1.5. Some Important Environmental Rules in India: Table No-2:

1989	Hazardous Waste (Management and Handling) Rules
1989	Manufacture, Storage and Import of Hazardous Chemical Rules
2000	Municipal Solid Waste (Management and Handling) Rules
1998	The Biomedical Waste (Management and Handling) Rules
1999	The Environment (Siting for Industrial Projects) Rules
2000	Noise Pollution (Regulation and Control) Rules
2000	Ozone Depleting Substances (Regulation and Control) Rules
2011	E-waste (Management and Handling) Rules





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2011	National Green Tribunal (Practices and Procedure) Rules
2011	Plastic Waste (Management and Handling) Rules

1.1.6 National Environmental Plans & Policy Documents: Table No-3:

1.	National Forest Policy, 1988
2.	National Water Policy, 2002
3.	National Environment Policy or NEP (2006)
4.	National Conservation Strategy and Policy Statement on Environment and Development, 1992
5.	Policy Statement for Abatement of Pollution (1992)
6.	National Action Plan on Climate Change
7.	Vision Statement on Environment and Human Health
8.	Technology Vision 2030 (The Energy Research Institute)
9.	Addressing Energy Security and Climate Change (MoEF and Bureau of Energy Efficiency)
10.	The Road to Copenhagen: India's Position on Climate Change Issues (MoEF)

1.2 Objectives:

1. To study Resource Consumption & CO₂ Emissions
2. To Study CO₂ Emission Reduction
3. To study Indoor Air Quality Parameters
4. To study Indoor Comfort Condition Parameters
5. To Study of Waste Management
6. To Study of Rain Water Harvesting
7. To Study of Sustainable Initiatives

1.3 General Details of College: Table No 4:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Nigdi, Pune-411044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University





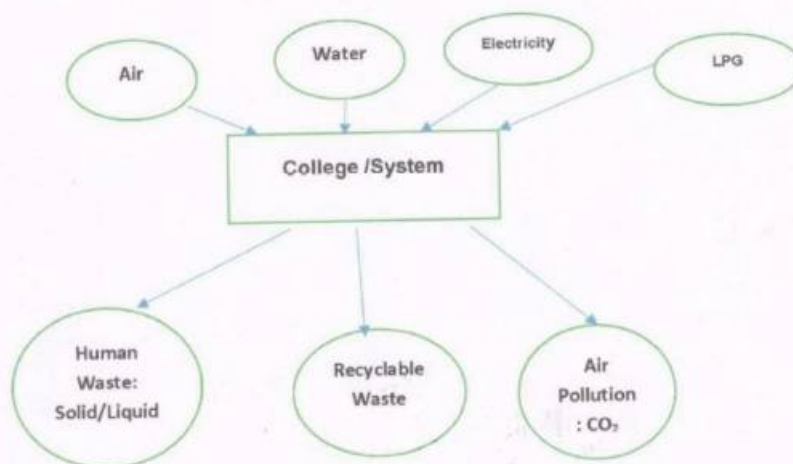
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CHAPTER-II STUDY OF CONSUMPTION OF RECOURCES & CO₂ EMISSION

The Institute consumes following basic/derived Resources:

1. Air
2. Water
3. Electrical Energy

We try to draw a schematic diagram for the College System & Environment as under.
Chart No 1: Representation of College as System & Study of Resources & Waste



Now we compute the Generation of CO₂ on account of consumption of Electrical Energy.

The basis of Calculation for CO₂ emissions due to LPG & Electrical Energy are as under

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

Table No 5: Study of Consumption of Electrical Energy, LPG & CO₂ Emissions: 20-21:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Jul-20	4635	8	4.19
2	Aug-20	5180	10	4.69
3	Sep-20	5220	7	4.72
4	Oct-20	4992	6	4.51
5	Nov-20	4509	10	4.08





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6	Dec-20	4655	12	4.22
7	Jan-21	4448	14	4.04
8	Feb-21	4956	5	4.47
9	Mar-21	3906	2	3.52
10	Apr-21	4872	4	4.40
11	May-21	5000	8	4.52
12	Jun-21	5233	14	4.75
13	Total	57606	100	52.11
14	Maximum	5233	14	4.75
15	Minimum	3906	2	3.52
16	Average	8862.46	15.38	8.02

Chart No 2: Month wise CO₂ Emissions:

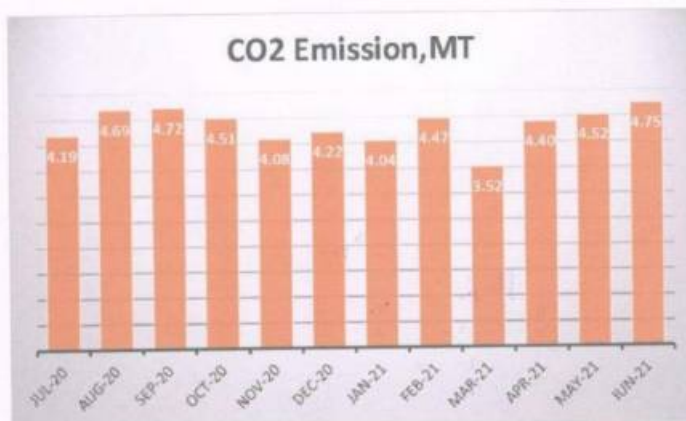


Table No 6: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	57606	100	52.11
2	Maximum	5233	14	4.75
3	Minimum	3906	2	3.52
4	Average	8862.46	15.38	8.02





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER III STUDY OF CO₂ EMISSION REDUCTION

The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No 7: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	10	kWp
2	Energy Generated in per kWp	4	4 kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 20-21	12000	kWh
5	1 kWh of Electrical Energy saves	0.9	Kg/kWh
6	Qty of CO ₂ Saved by Solar PV Plant = (4)*(5) /1000	10.8	MT of CO ₂

Photograph of Roof Top Solar PV Plant:





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER IV STUDY OF INDOOR AIR QUALITY

4.1 Importance of Air Quality:

Air: The common name given to the atmospheric gases used in breathing and photosynthesis.

By volume, Dry Air contains 78.09% Nitrogen, 20.95% Oxygen, 0.93% Argon, 0.039% carbon dioxide, and small amounts of other gases.

On average, a person inhales about **14,000 liters** of air every day. Therefore, poor air quality may affect the quality of life now and for future generations by affecting the health, the environment, the economy and the city's livability.

Rapid urbanization and industrialization has added other elements/compounds to the pure air and thus caused the increase in pollution. In order to prevent, control and abate air pollution, the Air (Prevention and Control of Pollution) Act was enacted in 1981.

Air quality is a measure of the suitability of air for breathing by people, plants and animals.

According to Section 2(b) of Air (Prevention and control of pollution) Act, 1981 'air pollution' has been defined as 'the presence in the atmosphere of any air pollutant.'

4.2 Air Quality Index:

An **Air Quality Index (AQI)** is a number used by government agencies to measure the **air pollution** levels and communicate it to the population. As the AQI increases, it means that a large percentage of the population will experience severe adverse health effects. The measurement of the AQI requires an **air monitor** and an **air pollutant** concentration over a specified averaging period.

We present herewith following important Parameters.

1. AQI- Air Quality Index
2. PM-2.5- Particulate Matter of Size 2.5 micron
3. PM-10- Particulate Matter of Size 10 micron

Table No 8: Indoor Air Quality Parameters:

No	Location	AQI	PM2.5	PM10
	Ground Floor			
1	Entrance Lobby	155	86	92
	Stilt Floor			
1	Dept Of Pharmaceuticals	183	85	93
2	Pharmaceutics Lab	140	78	90
3	Faculty Room	173	81	90
4	Pharmaceutical Analysis Lab	123	64	82
5	HOD Pharmaceutical chemistry	186	66	92

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

	First Floor			
1	Class Room-II	110	63	79
2	Class Room-IV	150	69	82
3	Tutorial room	120	68	85
4	Tutorial room	125	72	82
5	Exam Section	146	70	82
	Second floor			
1	Administrative Office	123	66	80
2	Pantry	113	66	80
3	Board room	112	68	87
4	Principal Cabin	110	67	88
5	Lobby	125	68	79
6	Pharmacognosy Lab	120	69	82
	Third Floor			
1	Dept Of Pharmacology Faculty	145	70	82
2	Pharmacology Research Lab-I	138	68	80
3	Neuropharmacology Lab	132	76	87
4	Dept Of Pharmaceutical quality assurance	112	67	88
5	Tutorial Room PG-III	125	69	79
6	Tutorial Room PG-IV	122	68	82
	Maximum	186	86	93
	Minimum	110	63	79





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER V STUDY OF INDOOR COMFORT CONDITION PARAMETERS

In this Chapter, we present the various Indoor Comfort Parameters measured during the Audit.
The Parameters include:

1. Temperature
2. Humidity
3. Lux Level
4. Noise Level.

Table No 9: Study of Indoor Comfort Condition Parameters:

No	Location	Temperature, °C	Humidity, %	Lux Level	Noise Level, dB
Ground Floor					
1	Entrance Lobby	29	40	168	36
	Stilt Floor				
1	Dept Of Pharmaceutics	28.8	41	202	41
2	Pharmaceutics Lab	28.9	41	130	56
3	Faculty Room	28.9	41	136	42.8
4	Pharmaceutical Analysis Lab	29	40	123	41
5	HOD Pharmaceutical chemistry	29.1	41	126	42.6
First Floor					
1	Class Room-II	28.8	40	186	49
2	Class Room-IV	28.9	41	156	43
3	Tutorial room	29	40	171	42
4	Tutorial room	29.1	41	170	42.1
5	Exam Section	29.1	41	270	46
Second floor					
1	Administrative Office	29	40	263	53.6
2	Pantry	29.1	41	238	42.1
3	Board room	28.9	40	258	56.9
4	Principal Cabin	29	41	137	71
5	Lobby	29.2	41	142	58.4
6	Pharmacognosy Lab	29.2	40	159	56.3
Third Floor					
1	Dept Of Pharmacology Faculty	29.1	40	159	49.3

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

2	Pharmacology Research Lab-I	29	40	98	40
3	Neuropharmacology Lab	29	41	114	56
4	Dept Of Pharmaceutical quality assurance	29.1	40	152	41.3
5	Tutorial Room PG-III	29	40	115	56
6	Tutorial Room PG-IV	29	40	157	54
	Maximum	29.2	41	270	71
	Minimum	28.8	40	98	36

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER VI STUDY OF WASTE MANAGEMENT

6.1 Solid Waste Management:

6.1.1 Segregation of Waste at Source:

The Waste is segregated at source and the recyclable waste, like paper waste is handed over to authorized waste collecting agent for further recycling.

Photograph of Waste Collection Bins:



6.2 Organic Waste Management:

It is recommended to install Bio Composting Unit to convert the Bio degradable Waste into Bio compost, which can be used in the internal garden.

6.3 E-Waste Management:

The E-Waste is disposed of through Authorized E-Waste collecting agency.

Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

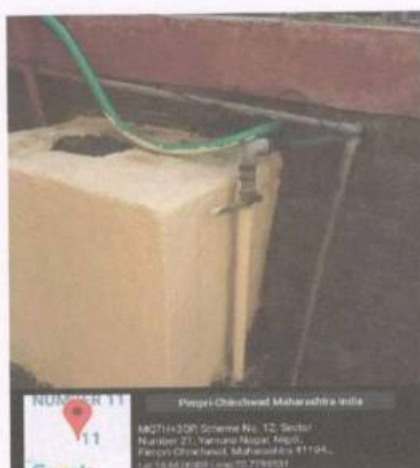
CHAPTER-VII STUDY OF RAIN WATER HARVESTING

The College has implemented the Rain Water Harvesting Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to recharge the bore well.

Photograph of Rain water Harvesting Pipe:



Photograph of Rain water Harvesting Recharging Well Section:



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER-VIII

STUDY OF ENVIRONMENT FRIENDLY INITIATIVES

8.1 Internal Tree Plantation:

The College has well maintained landscaped garden in the campus.

Photograph of Tree plantation:



8.2 Sanitary Waste Incinerator:

The College has installed Sanitary Waste Incinerator, for disposal of Sanitary Waste

Photograph of Sanitary Waste Incinerator:



Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

8.3 Creation of Awareness about Energy Conservation:

The College has displayed posters emphasizing on importance of Energy Conservation.

Photograph of Poster on Energy Conservation:





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

**ANNEXURE-I:
VARIOUS AIR QUALITY, WATER QUALITY, NOISE & INDOOR
COMFORT STANDARDS:**

1. Category Wise Air Quality Index Values & Concentration of PM 2.5 & PM10:

No	Category	AQI Value	Concentration Range, PM 2.5	Concentration Range, PM 10
1	Good	0 to 50	0 to 30	0 to 50
2	Satisfactory	51 to 100	31 to 60	51 to 100
3	Moderately Polluted	101 to 200	61 to 90	101 to 250
4	Poor	201 to 300	91 to 120	251 to 350
5	Very Poor	301 to 400	121 to 250	351 to 430
6	Severe	401 to 500	250 +	430 +

2. Recommended Water Quality Standards:

No	Designated Best Use	Criteria
1	Drinking Water Source without conventional Treatment but after disinfection	pH between 6.5 to 8.5 Dissolved Oxygen 6 mg/l or more
2	Drinking water source after conventional treatment and disinfection	pH between 6 to 9 Dissolved Oxygen 4 mg/l or more
3	Outdoor Bathing (Organized)	pH between 6.5 to 8.5 Dissolved Oxygen 5 mg/l or more
4	Controlled Waste Disposal	pH between 6 to 8.5

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

3. Recommended Noise Level Standards:

No	Location	Noise Level dB
1	Auditoriums	20-25
2	Outdoor Playground	55
3	Occupied Class Room	40-45
4	Un occupied Class Room	35
5	Apartment, Homes	35-40
6	Offices	45-50
7	Libraries	35-40
8	Restaurants	50-55

4. Thermal Comfort Conditions: For Non-conditioned Buildings:

No	Parameter	Value
1	Temperature	Less Than 33 ^o C
2	Humidity	Less Than 70%





ENERGY AUDIT REPORT

of
Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044



Year: 2020-21

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

MAHARASHTRA ENERGY DEVELOPMENT AGENCY
AN ISO 9001:2000 Reg. No. / PQ 91 / 2482

Maharashtra Energy Development Agency
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eec@mahauria.com, Web: www.mahauria.com

ECN/2021-22/CR-14/1577 22nd April, 2021

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Enrich Consultants
Yashashree, Plot No. 26, Nirmal Bug Society,
Near Muktangan English School, Parvati,
Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation Programme for Class 'A'

Registration Number : MEDA/ECN/2021-22/Class A/EA-03

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till 21st April, 2023 from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)

Enrich Consultants, Pune

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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/20-21/01

Date: 01/9/2021

CERTIFICATE

This is to certify that we have conducted Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2020-21.

The College has adopted following Energy Efficient practices:

- Usage of Energy Efficient LED Fittings
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

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3	Study of Present Energy Consumption	11
4	Carbon Foot Printing	13
5	Study of Usage of Alternate Energy	14
6	Study of LED Lighting	15





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College Of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Energy Audit of their Campus for the Academic Year: 20-21.

We are thankful to all the Staff members for helping us during the field study.

Enrich Consultants, Pune

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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of Electrical Energy and LPG used for various Electrical Equipment, office & other facilities.

2. Present Energy Consumption & CO₂ Emission:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	57606	100	52.11
2	Maximum	5233	14	4.75
3	Minimum	3906	2	3.52
4	Average	8862.46	15.38	8.02

3. Energy Conservation projects already installed:

- Usage of Energy Efficient LED fittings
- Maximum Usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

4. Usage of Alternate Energy:

- The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.
- Energy purchased from MSEDCL is 57606 kWh.
- Energy generated by Roof Top Solar PV Plant is 12000 kWh.
- The percentage of Usage of Alternate Energy to Annual Energy Demand is 17.24 %.

5. Usage of LED Lighting:

- The Total Annual Lighting Demand of the College is 15209 kWh.
- The Total Annual LED Lighting Demand is 2350 kWh.
- The percentage of Annual LED Lighting to Annual Lighting Demand is 15.45 %.

6. Assumptions:

1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
2. 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere
3. Daily working hours-6 Nos (For Lighting Calculations)
4. Annual working Days-150 Nos (For Lighting Calculations)
5. 1 kWp Roof Top Solar PV Plant releases 4 kWh of Electrical Energy per Day.
6. Annual Solar Energy Generation Days: 300 Nos.

7. References:

- For CO₂ Emissions: www.tatapower.com
- For Roof Top Solar PV Plant Energy generation: www.solarrooftop.gov.in





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

ABBREVIATIONS

LED	: Light Emitting Diode
MSEDCL	: Maharashtra State Electricity Distribution Company Limited
IQAC	: Internal Quality Assurance Cell
BEE	: Bureau of Energy Efficiency
FTL	: Fluorescent Tube Light
CFL	: Compact Fluorescent Light
PV	: Photo Voltaic
Kg	: Kilo Gram
kWh	: kilo-Watt Hour
CO ₂	: Carbon Di Oxide
MT	: Metric Ton





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study present Energy Consumption
2. To Study the present CO₂ emissions
3. To study usage of Alternate Energy
4. To study usage of LED Lighting

1.2 Table No 1: General Details of the College:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Sector 21, Yamuna Nagar, Nigdi 411 044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

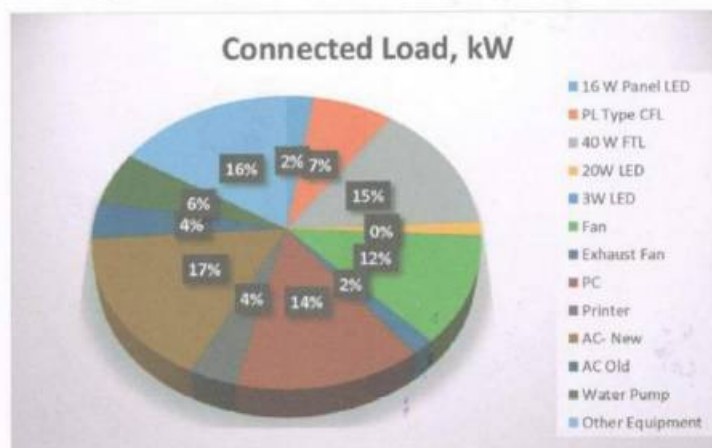
CHAPTER-II STUDY OF CONNECTED LOAD

The major contributors to the connected load of the College include:

Table No 2: Study of Equipment wise Connected Load:

No	Equipment	Qty	Load, W/Unit	Load, kW
1	16 W Panel LED	101	16	1.62
2	PL Type CFL	149	32	4.77
3	40 W FTL	238	40	9.52
4	20W LED	46	20	0.92
5	3W LED	25	3	0.08
6	Fan	119	65	7.74
7	Exhaust Fan	22	52	1.14
8	PC	62	150	9.30
9	Printer	16	150	2.40
10	AC- New	6	1800	10.80
11	AC Old	1	2700	2.70
12	Water Pump	1	3730	3.73
13	Other Equipment	70	150	10.50
14	Total			65.21

Chart No 1: Study of Connected Load:



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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi. 2020-21

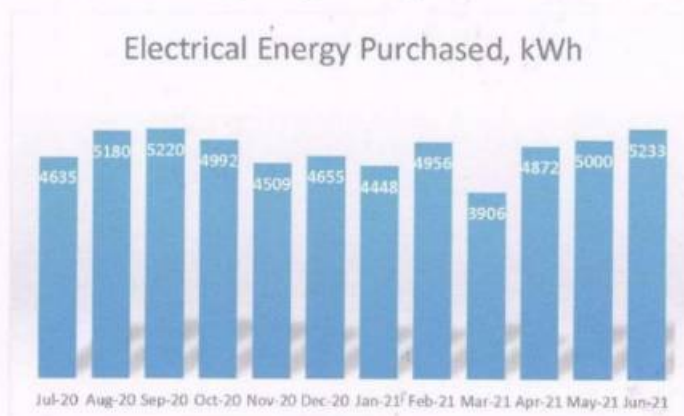
CHAPTER-III STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

Table No 3: Electrical Energy & LPG Consumption Analysis- 2020-21:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg
1	Jul-20	4635	8
2	Aug-20	5180	10
3	Sep-20	5220	7
4	Oct-20	4992	6
5	Nov-20	4509	10
6	Dec-20	4655	12
7	Jan-21	4448	14
8	Feb-21	4956	5
9	Mar-21	3906	2
10	Apr-21	4872	4
11	May-21	5000	8
12	Jun-21	5233	14
13	Total	57606	100
14	Maximum	5233	14
15	Minimum	3906	2
16	Average	8862.46	15.38

Chart No 2: Variation in Monthly Energy Consumption:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

Chart No 3: Variation in Monthly LPG Consumption:



Table No 4: Variation in Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg
1	Total	57606	100
2	Maximum	5233	14
3	Minimum	3906	2
4	Average	8862.46	15.38





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER-IV CARBON FOOTPRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy and LPG as the Energy Source.

Basis for computation of CO₂ Emissions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 5: Month wise CO₂ Emissions:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO2 Emissions, MT
1	Jul-20	4635	8	4.19
2	Aug-20	5180	10	4.69
3	Sep-20	5220	7	4.72
4	Oct-20	4992	6	4.51
5	Nov-20	4509	10	4.08
6	Dec-20	4655	12	4.22
7	Jan-21	4448	14	4.04
8	Feb-21	4956	5	4.47
9	Mar-21	3906	2	3.52
10	Apr-21	4872	4	4.40
11	May-21	5000	8	4.52
12	Jun-21	5233	14	4.75
13	Total	57606	100	52.11
14	Maximum	5233	14	4.75
15	Minimum	3906	2	3.52
16	Average	8862.46	15.38	8.02





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

Chart No 4: Month wise CO₂ Emissions:

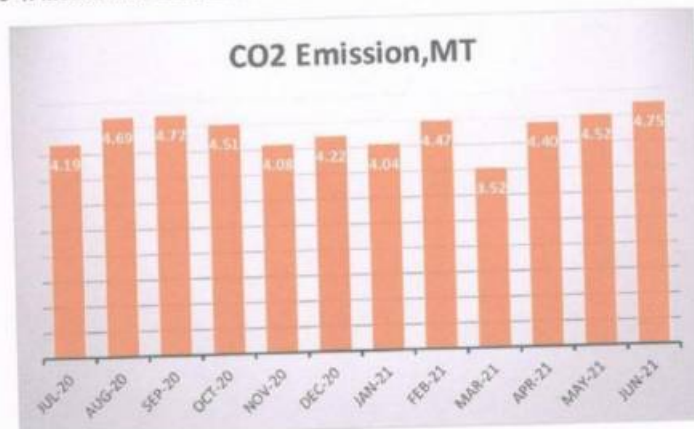


Table No 6: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	57606	100	52.11
2	Maximum	5233	14	4.75
3	Minimum	3906	2	3.52
4	Average	8862.46	15.38	8.02



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER-V

STUDY OF USAGE OF ALTERNATE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.

In the following Table, we compute the percentage of Usage of Alternate Energy to Annual Energy Demand of the College.

Table No 7: Computation of % Annual Energy Demand met by Alternate Energy:

No	Particulars	Value	Unit
1	Energy Purchased from MSEDCCL	57606	kWh
2	Installed Roof Top Solar PV Plant Capacity	10	kWp
3	Average Daily Energy Generated	4	kWh/kWp
4	Annual Generation Days	300	Nos
5	Annual Solar Energy Generated	12000	kWh
6	Total Energy Demand = (1) + (5)	69606	kWh
7	% of Usage of Alternate Energy to Total Annual Energy Demand= (5)*100/ (6)	17.24	%

Photograph of Roof Top Solar PV Plant:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER VI STUDY OF USAGE OF LED LIGHTING

In this chapter, we compute the percentage of usage of LED Lighting to Annual Lighting power requirement.

Table No 8: Percentage of Usage of LED Lighting to Annual Lighting Load:

No	Particulars	Value	Unit
1	No of 40 W FTL Fittings	238	Nos
2	Demand of 40 W FTL Fitting	40	W/Unit
3	Total Electrical Load of 40 W FTL Fittings	9.52	kW
4	No of 20 W LED Tube Lights	46	Nos
5	Demand of 20 W LED Tube Light	20	W/Unit
6	Total Electrical Load of 20 W LED Fittings	0.92	kW
7	No of 16 W Panel LED Fittings	101	Nos
8	Demand of 16 W Panel LED Fittings	16	W/Unit
9	Total Electrical Load of 16 W Panel LED Fittings	1.616	kW
10	No of 3 W LED Fittings	25	Nos
11	Demand of 3 W LED Fittings	3	W/Unit
12	Total Electrical Load of 3 W LED Fittings	0.075	kW
13	No of PL Type 32 W CFL Fittings	149	Nos
14	Demand of PL Type 32 W CFL Fittings	32	W/Unit
15	Total Electrical Load of PL Type 32 W CFL Fittings	4.768	kW
16	Total Lighting Load=3+6+9+12+15	16.899	kW
17	Total LED Lighting Load= 6+9+12	2.611	kW
18	Average Daily Usage Period	6	Hours
19	Annual Working Days	150	Nos
20	Annual Total Lighting Load = 10*12*13	15209	kWh
21	Annual LED Lighting Load = 11*12*13	2350	kWh
22	Annual Lighting Requirement met by LED= 15*100/14	15.45	%





GREEN AUDIT REPORT
of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2020-21

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

MAHARASHTRA ENERGY DEVELOPMENT AGENCY
An ISO 9001 : 2000 Reg. no. : RD 91 / 2462

Maharashtra Energy Development Agency
(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2021-22/CR-14/1577 22nd April, 2021

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Enrich Consultants
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati,
Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation
Programme for Class 'A'

Registration Number : MEDA/ECN/2021-22/Class A/EA-03

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **21st April, 2023** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)

Enrich Consultants, Pune



Page 2



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi : 2020-21

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/20-21/02

Date: 01/9/2021

CERTIFICATE

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2020-21.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Provision of Separate bins for Dry & Wet Waste
- Maintenance of good Internal Road
- Tree Plantation in the campus
- Implementation of Rain Water Harvesting Project
- Provision of Ramp for Divyangajan
- Provision of Sanitary Waste Incinerator

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192



Enrich Consultants, Pune

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044 , for awarding us the assignment of Green Audit of their Campus for the Academic Year: 20-21.

We are thankful to all the Staff members for helping us during the field study.

Enrich Consultants, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of **Electrical Energy and LPG** used for various Electrical Equipment, office & other facilities.

2. Present Energy Consumption & CO₂ Emissions:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	57606	100	52.11
2	Maximum	5233	14	4.75
3	Minimum	3906	2	3.52
4	Average	8862.46	15.38	8.02

3. Various initiatives taken for Energy Conservation:

- Usage of Energy Efficient BEE STAR Rated Equipment
- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity **10 kWp**.

4. Usage of Renewable Energy & CO₂ Emission Reduction:

- The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.
- The Electrical Energy generated in 20-21 is **12000 kWh**.
- Reduction in CO₂ Emissions in 2020-21 works out to be **10.8 MT**.

5.1 Solid Waste Management:

5.1.1 Segregation of Waste at Source:

The Waste is segregated at source and the recyclable waste, like paper, plastic waste is handed over to Authorized waste collecting agent for further recycling.

5.1.2 Organic Waste Management:

It is recommended to install Bio Composting Unit to convert the Bio degradable Waste into Bio compost, which can be used in the internal garden.

5.2 E-Waste Management:

The E-Waste is disposed of through Authorized E-Waste collecting agency.

6. Rain Water Harvesting:

The College has installed the Rainwater harvesting project, the rain water falling on the terrace is collected and is used for recharging the bore well.





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

7. Green & Sustainable Initiatives

- Maintenance of good Internal Road
- Maintenance of Internal Garden
- Provision of Ramp for Divyangajan
- Provision of Sanitary Waste Incinerator
- Medicinal Plant Garden in the college premises
- Display of Posters on Resource Conservation

8. Notes & Assumptions:

1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
2. 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere
3. 1 kWp Roof Top Solar PV Plant releases 4 kWh of Electrical Energy per Day.
4. Annual Solar Energy Generation Days: 300 Nos.

9. References:

- For CO₂ Emissions: www.tatapower.com
- For Roof Top Solar Energy generation: www.solarrooftop.gov.in





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

ABBREVIATIONS

BEE	Bureau of Energy Efficiency
kWh	Kilo Watt Hour
LPD	Liters Per Day
Kg	Kilo Gram
MT	Metric Ton
CO ₂	Carbon Di Oxide
Qty	Quantity

Enrich Consultants, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study present Energy Consumption
2. To Study CO₂ emissions
3. To study usage of Renewable Energy
4. Study of Waste Management
5. Study of Rain Water Harvesting
6. Study of Green & Sustainable Practices

1.2 General Details of College: Table No 1:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Sector 21, Yamuna Nagar, Nigdi 411 044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

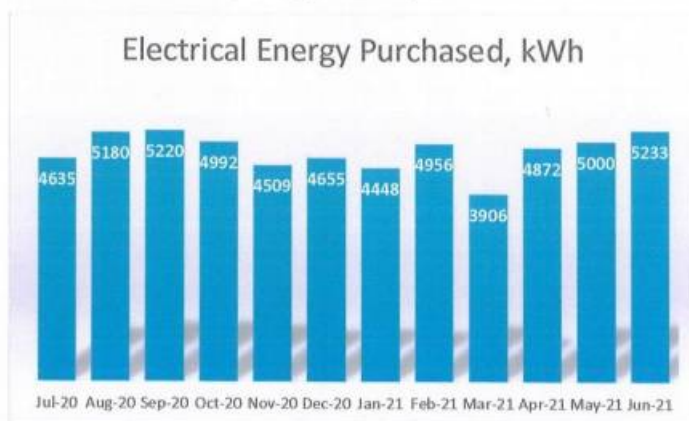
CHAPTER-II STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

Table No 2: Electrical Energy & LPG Consumption Analysis- 2020-21:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg
1	Jul-20	4635	8
2	Aug-20	5180	10
3	Sep-20	5220	7
4	Oct-20	4992	6
5	Nov-20	4509	10
6	Dec-20	4655	12
7	Jan-21	4448	14
8	Feb-21	4956	5
9	Mar-21	3906	2
10	Apr-21	4872	4
11	May-21	5000	8
12	Jun-21	5233	14
13	Total	57606	100
14	Maximum	5233	14
15	Minimum	3906	2
16	Average	8862.46	15.38

Chart No 1: Variation in Monthly Energy Consumption:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

Chart No 2: Variation in Variation in Monthly LPG Consumption:

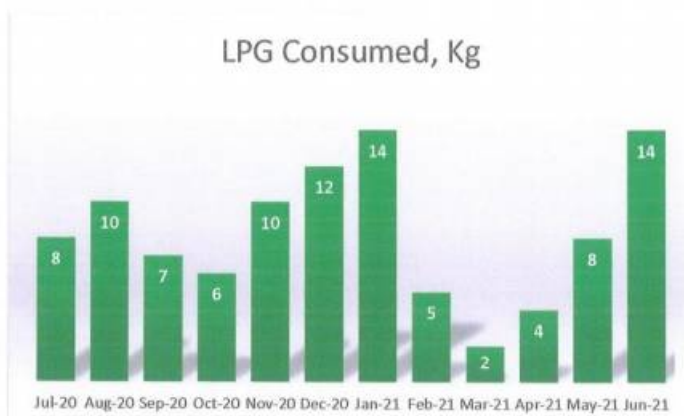


Table No 3: Variation in Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg
1	Total	57606	100
2	Maximum	5233	14
3	Minimum	3906	2
4	Average	8862.46	15.38





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER III STUDY OF CARBON FOOT PRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy and LPG as the Energy Source.

Basis for computation of CO₂ Emissions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 4: Month wise CO₂ Emissions:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO2 Emissions, MT
1	Jul-20	4635	8	4.19
2	Aug-20	5180	10	4.69
3	Sep-20	5220	7	4.72
4	Oct-20	4992	6	4.51
5	Nov-20	4509	10	4.08
6	Dec-20	4655	12	4.22
7	Jan-21	4448	14	4.04
8	Feb-21	4956	5	4.47
9	Mar-21	3906	2	3.52
10	Apr-21	4872	4	4.40
11	May-21	5000	8	4.52
12	Jun-21	5233	14	4.75
13	Total	57606	100	52.11
14	Maximum	5233	14	4.75
15	Minimum	3906	2	3.52
16	Average	8862.46	15.38	8.02





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

Chart No 3: Month wise CO₂ Emissions:

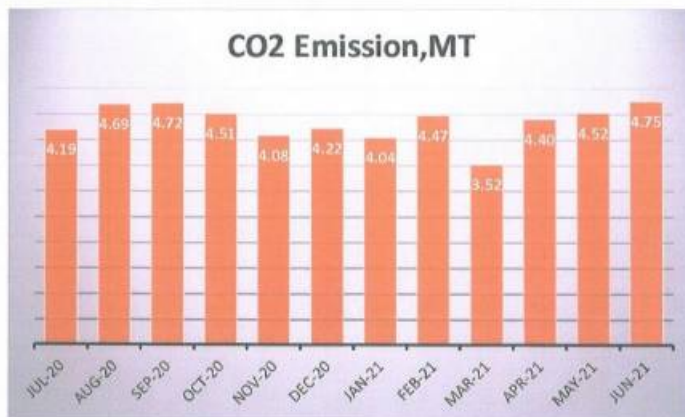


Table No 5: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	57606	100	52.11
2	Maximum	5233	14	4.75
3	Minimum	3906	2	3.52
4	Average	8862.46	15.38	8.02





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi; 2020-21

CHAPTER IV STUDY OF USAGE OF RENEWABLE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No 6: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	10	kWp
2	Energy Generated in per kWp	4	4 kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 20-21	12000	kWh
5	1 kWh of Electrical Energy saves	0.9	Kg/kWh
6	Qty of CO ₂ Saved by Solar PV Plant = (4)*(5) /1000	10.8	MT of CO ₂

Photograph of Roof Top Solar PV Plant:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER V STUDY OF WASTE MANAGEMENT

5.1 Solid Waste Management:

5.1. Segregation of Waste at Source:

The Waste is segregated at source and the recyclable waste, like paper waste is handed over to authorized waste collecting agent for further recycling.

Photograph of Waste Collection Bins:



5.2 Organic Waste Management:

It is recommended to install Bio Composting Unit to convert the Bio degradable Waste into Bio compost, which can be used in the internal garden.

5.3 E-Waste Management:

The E-Waste is disposed of through Authorized E-Waste collecting agency.

Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER-VI

STUDY OF RAIN WATER HARVESTING

The College has implemented the Rain Water Harvesting Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to recharge the bore well.

Photograph of Rain water Harvesting Pipe:



Photograph of Rain water Harvesting Recharging Well Section:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

CHAPTER-VII STUDY OF GREEN & SUSTAINABLE PRACTICES

7.1 Pedestrian Friendly Roads:

The College has well maintained internal road to facilitate the easy movement of the students within the campus.

Photograph of Internal Road:



7.2 Internal Tree Plantation:

The College has well maintained landscaped garden in the campus.

Photograph of Tree plantation:



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

7.3 Provision of Ramp:

For easy movement of Divyangajan, the College has made provision of Ramp.

Photograph of Ramp:



7.4 Creation of Awareness about Energy Conservation:

The College has displayed posters emphasizing on importance of Energy Conservation.

Photograph of Poster on Energy Conservation:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

7.5 Sanitary Waste Incinerator:

The College has installed Sanitary Waste Incinerator, for disposal of Sanitary Waste

Photograph of Sanitary Waste Incinerator:



Pimpri-Chinchwad Maharashtra In

47, Kounteya Housing Society, Yamuna
Nagar, Nigdi, Pimpri-Chinchwad,
Maharashtra 411044, India
Lat:18.6635608 Long:73.7819758





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

**ANNEXURE-1:
DETAILS OF TREES & PLANTS:**

List of Trees:

No	Common Name Of Tree	Qty
1	Palm	130
2	Audumbar	2
3	Ficus	10
4	Pimpal	1
5	Palas	1
6	Ashoka	2
7	Sonchampa	2
8	Chrismas	3
9	Mango	1
10	Chikoo	1
11	Rubber	1
12	Umberell Palm	5
13	Ticoma	2
14	Papaya	1
15	Shevri	1
16	Tagar	1
17	Ixzora	4
18	Kadunim	3
19	Total	171

List of Ornamental Plants:

No	Common Name
1	Coleus
2	Drecena
3	Song Of India
4	Hibiscus
5	Gokarna
6	Cactus
7	Tulsi
8	Rose
9	Jai

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2020-21

List Of Medicinal Plants

S.No.	BotanicalName	S.No.	BotanicalName
1.	<i>Adhatodavasica</i>	29.	<i>Lawsoniainermis</i>
2.	<i>Aegle marmelos</i>	30.	<i>Magnolia champaca</i>
3.	<i>Aloe barbadensis</i>	31.	<i>Mangifera indica</i>
4.	<i>Andrographis paniculata</i> Nees.	32.	<i>Mimosa pudica</i>
5.	<i>Annona reticulata</i> L	33.	<i>Musa acuminata</i>
6.	<i>Asparagus racemosus</i> Wild.	34.	<i>Myristica fragrans</i>
7.	<i>Azadirachta indica</i>	35.	<i>Pimenta dioica</i>
8.	<i>Bergerakoenigii</i>	36.	<i>Piper betel</i>
9.	<i>Butea monosperma</i>	37.	<i>Piper longum</i>
10.	<i>Cassia angustifolia</i>	38.	<i>Piper nigrum</i>
11.	<i>Catharanthus roseus</i>	39.	<i>Pongamia pinnata</i>
12.	<i>Centella asiatica</i>	40.	<i>Pterocarpus santalum</i>
13.	<i>Chrysalidocarpus lutescens</i>	41.	<i>Ricinus communis</i>
14.	<i>Cinnamomum zeylanicum</i> Breyn.	42.	<i>Ruta graveolens</i>
15.	<i>Citrus limon</i>	43.	<i>Sapindus mukorossi</i>
16.	<i>Costus igneus</i>	44.	<i>Saraca asoca</i>
17.	<i>Curcuma amada</i>	45.	<i>Syzygium aromaticum</i>
18.	<i>Curcuma longa</i>	46.	<i>Syzygium cumini</i>
19.	<i>Cymbopogon citratus</i>	47.	<i>Tamarindus indica</i>
20.	<i>Elettaria cardamomum</i>	48.	<i>Terminalia arjuna</i>
21.	<i>Eucalyptus globules</i>	49.	<i>Terminalia bellirica</i>
22.	<i>Ficus glomerata</i>	50.	<i>Terminalia chebula</i>
23.	<i>Ficus racemosa</i>	51.	<i>Tinospora cordifolia</i>
24.	<i>Gymnema sylvestre</i>	52.	<i>Trachyspermum ammi</i>
25.	<i>Helicteres isora</i>	53.	<i>Vitex negundo</i> L
26.	<i>Hemidesmus indicus</i>	54.	<i>Withania somnifera</i>
27.	<i>Hibiscus rosa-sinensis</i>	55.	<i>Eleocarpus ganitrus</i>
28.	<i>Kalanchoe pinnata</i>	56.	<i>Cinnamomum camphora</i>
29.	<i>Bryophyllum pinnatum</i>		





Green, Energy and Environment audit report 2019-20



ENERGY AUDIT REPORT

of
**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2019-20

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

**Maharashtra Energy Development Agency**
(A Government of Maharashtra undertaking)
2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006,
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174 19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**


We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : **Enrich Consultants**
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Mukhtangan English School,
Parvati, Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation Programme

Registration Number : MEDA/ECN/CR-05/2018-19/EA-03

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit the firm at any time without giving any prior information and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **31st March 2021** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


(Smita Kudarikar)
General Manager (EC)

Enrich Consultants, Pune



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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktang English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/19-20/01

Date: 2/7/2020

CERTIFICATE

This is to certify that we have conducted Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2019-20.

The College has adopted following Energy Efficient Practices:

- Usage of Energy Efficient LED Fittings
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum usage of Day Lighting
- Installation of 10 kWp Roof Top Solar PV Plant

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

INDEX

Sr. No	Particulars	Page No
I	Acknowledgement	5
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III	Abbreviations	7
1	Introduction	8
2	Study of Connected Load	9
3	Study of Present Energy Consumption	11
4	Carbon Foot Printing	13
5	Study of Usage of Alternate Energy	14
6	Study of LED Lighting	15





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College Of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Energy Audit of their Campus for the Academic Year: 19-20.

We are thankful to all the Staff members for helping us during the field study.

Enrich Consultants, Pune



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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of **Electrical Energy and LPG**; used for various Electrical Equipment, office & other facilities.

2. Present Energy Consumption & CO₂ Emission:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	60486	304	55.25
2	Maximum	5495	38	5.00
3	Minimum	4101	19	3.74
4	Average	9305.58	46.77	8.50

3. Energy Conservation projects already installed:

- Usage of Energy Efficient LED fittings
- Maximum Usage of Day Lighting
- Installation of **10 kWp** Roof Top Solar PV Plant

4. Usage of Alternate Energy:

- The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.
- Energy purchased from MSEDCL is **60486 kWh**.
- Energy generated by Roof Top Solar PV Plant is **12000 kWh**.
- Total Energy Demand of the College is **72486 kWh**
- The percentage of Usage of Alternate Energy to Annual Energy Demand is **16.55 %**.

5. Usage of LED Lighting:

- The LED Lighting Load of the College is **2.512 kW**.
- The Total LED Lighting Load of the College is **17.176 kW**.
- The percentage of Annual LED Lighting to Annual Lighting Demand is **14.63 %**.

6. Assumptions:

1. 1 kWh of Electrical Energy releases **0.9 Kg of CO₂** into atmosphere
2. **1 Kg of LPG** releases **2.68 Kg of CO₂** into atmosphere
3. **1 kWp Roof Top Solar PV** Plant releases **4 kWh** of Electrical Energy per Day.
4. Annual Solar Energy Generation Days: **300 Nos.**

7. References:

- For CO₂ Emissions: www.tatapower.com
- For Roof Top Solar PV Plant Energy generation: www.solarroftop.gov.in





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

ABBREVIATIONS

LED	: Light Emitting Diode
MSEDCL	: Maharashtra State Electricity Distribution Company Limited
BEE	: Bureau of Energy Efficiency
FTL	: Fluorescent Tube Light
CFL	: Compact Fluorescent Light
PV	: Photo Voltaic
Kg	: Kilo Gram
kWh	: kilo-Watt Hour
CO ₂	: Carbon Di Oxide
MT	: Metric Ton





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study Connected Load
2. To study present Energy Consumption
3. To Study the present CO₂ emissions
4. To study usage of Alternate Energy
5. To study usage of LED Lighting

1.2 Table No 1: General Details of the College:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Sector 21, Yamuna Nagar, Nigdi 411 044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

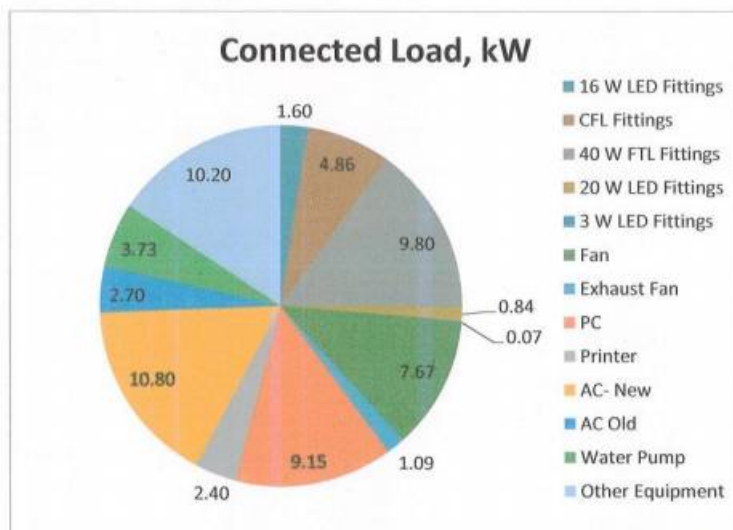
CHAPTER-II STUDY OF CONNECTED LOAD

The major contributors to the connected load of the College include:

Table No 2: Study of Equipment wise Connected Load:

No	Equipment	Qty	Load, W/Unit	Load, kW
1	16 W LED Fittings	100	16	1.60
2	CFL Fittings	152	32	4.86
3	40 W FTL Fittings	245	40	9.80
4	20 W LED Fittings	42	20	0.84
5	3 W LED Fittings	24	3	0.07
6	Fan	118	65	7.67
7	Exhaust Fan	21	52	1.09
8	PC	61	150	9.15
9	Printer	16	150	2.40
10	AC- New	6	1800	10.80
11	AC Old	1	2700	2.70
12	Water Pump	1	3730	3.73
13	Other Equipment	68	150	10.20
14	Total			64.92

Chart No 1: Study of Connected Load:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

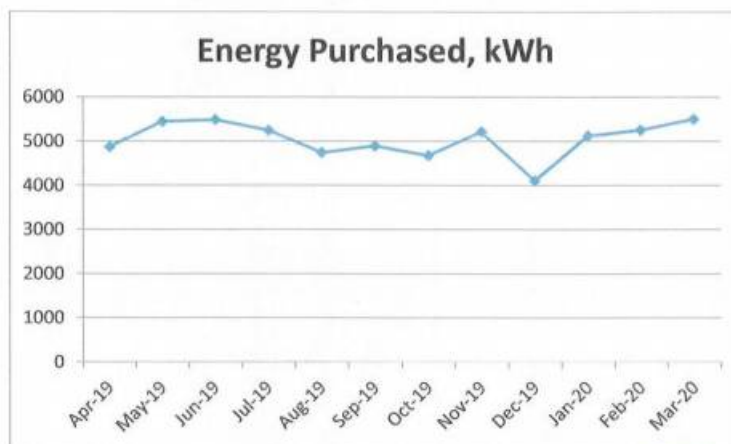
CHAPTER-III STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

Table No 3: Electrical Energy & LPG Consumption Analysis- 2019-20:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg
1	Apr-19	4867	19
2	May-19	5439	19
3	Jun-19	5481	19
4	Jul-19	5242	19
5	Aug-19	4734	38
6	Sep-19	4888	19
7	Oct-19	4670	19
8	Nov-19	5204	38
9	Dec-19	4101	19
10	Jan-20	5116	38
11	Feb-20	5250	38
12	Mar-20	5495	19
13	Total	60486	304
14	Maximum	5495	38
15	Minimum	4101	19
16	Average	9305.58	46.77

Chart No 2: Variation in Monthly Energy Consumption:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Chart No 3: Variation in Monthly LPG Consumption:

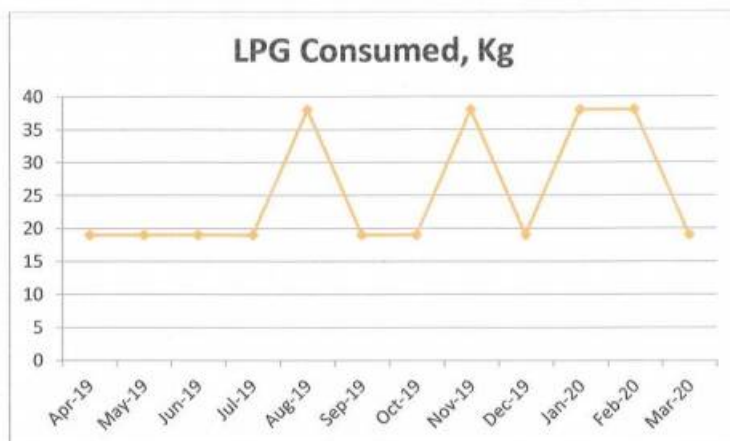


Table No 4: Variation in Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg
1	Total	60486	304
2	Maximum	5495	38
3	Minimum	4101	19
4	Average	9305.58	46.77





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-IV CARBON FOOTPRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy and LPG as the Energy Source.

Basis for computation of CO₂ Emissions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No5: Month wise CO₂ Emissions:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-19	4867	19	4.43
2	May-19	5439	19	4.95
3	Jun-19	5481	19	4.98
4	Jul-19	5242	19	4.77
5	Aug-19	4734	38	4.36
6	Sep-19	4888	19	4.45
7	Oct-19	4670	19	4.25
8	Nov-19	5204	38	4.79
9	Dec-19	4101	19	3.74
10	Jan-20	5116	38	4.71
11	Feb-20	5250	38	4.83
12	Mar-20	5495	19	5.00
13	Total	60486	304	55.25
14	Maximum	5495	38	5.00
15	Minimum	4101	19	3.74
16	Average	9305.58	46.77	8.50





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Chart No 4: Month wise CO₂ Emissions:

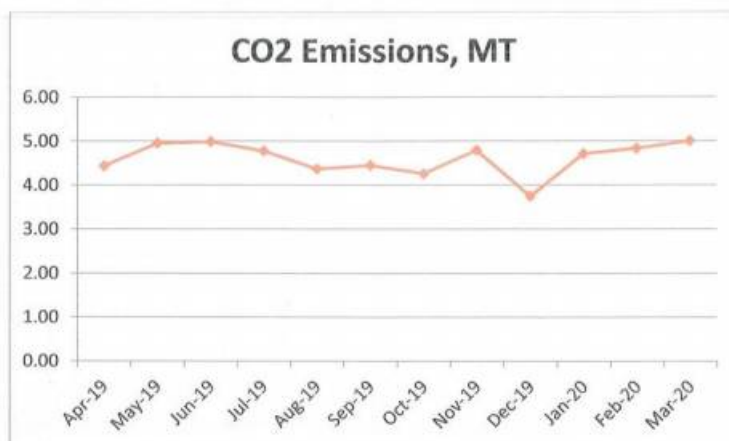


Table No 6: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	60486	304	55.25
2	Maximum	5495	38	5.00
3	Minimum	4101	19	3.74
4	Average	9305.58	46.77	8.50



Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-V

STUDY OF USAGE OF ALTERNATE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.

In the following Table, we compute the percentage of Usage of Alternate Energy to Annual Energy Demand of the College.

Table No 7: Computation of % Annual Energy Demand met by Alternate Energy:

No	Particulars	Value	Unit
1	Energy Purchased from MSDDL	60486	kWh
2	Installed Roof Top Solar PV Plant Capacity	10	kWp
3	Average Daily Energy Generated	4	kWh/kWp
4	Annual Generation Days	300	Nos
5	Annual Solar Energy Generated	12000	kWh
6	Total Energy Demand = (1) + (5)	72486	kWh
7	% of Alternate Energy to Total Energy Demand = (5)*100/ (6)	16.55	%

Photograph of Roof Top Solar PV Plant:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER VI STUDY OF USAGE OF LED LIGHTING

In this chapter, we compute the percentage of usage of LED Lighting to Annual Lighting power requirement.

Table No 8: Percentage of Usage of LED Lighting to Annual Lighting Load:

No	Particulars	Value	Unit
1	No of 40 W FTL Fittings	245	Nos
2	Demand of 40 W FTL Fitting	40	W/Unit
3	Total Load of 40 W FTL Fittings	9.8	kW
4	No of 20 W LED Fittings	42	Nos
5	Demand of 20 W LED Fittings	20	W/Unit
6	Total Load of 20 W LED Fittings	0.84	kW
7	No of 16 W LED Fittings	100	Nos
8	Demand of 16 W LED Fittings	16	W/Unit
9	Total Load of 16 W LED Fittings	1.6	kW
10	No of 3 W LED Fittings	24	Nos
11	Demand of 3 W LED Fittings	3	W/Unit
12	Total Load of 3 W LED Fittings	0.072	kW
13	No of 32 W CFL Fittings	152	Nos
14	Demand of 32 W CFL Fittings	32	W/Unit
15	Total Load of 32 W CFL Fittings	4.864	kW
16	Total LED Lighting Load= 6+9+12	2.512	kW
17	Total Lighting Load=3+6+9+12+15	17.176	kW
18	Annual Lighting Requirement met by LED= $16 \times 100 / 17$	14.63	%





GREEN AUDIT REPORT

of

**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2019-20

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(A Government of Maharashtra undertaking)
2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006,
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174 19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

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(Smita Kudarikar)
General Manager (EC)

Enrich Consultants, Pune



Page 2



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/19-20/02

Date: 02/7/2020

CERTIFICATE

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2019-20.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp
- Provision of Separate bins for Dry & Wet Waste
- Provision of Sanitary Waste Incinerator
- Maintenance of good Internal Road
- Tree Plantation in the campus
- Implementation of Rain Water Harvesting Project
- Provision of Ramp for Divyangajan

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044 , for awarding us the assignment of Green Audit of their Campus for the Academic Year: 19-20.

We are thankful to all the Staff members for helping us during the field study.

Enrich Consultants, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of Electrical Energy and LPG; used for various Electrical Equipment, office & other facilities.

2. Present Energy Consumption & CO₂ Emissions:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	60486	304	55.25
2	Maximum	5495	38	5.00
3	Minimum	4101	19	3.74
4	Average	9305.58	46.77	8.50

3. Various initiatives taken for Energy Conservation:

- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp.

4. Usage of Renewable Energy & CO₂ Emission Reduction:

- The College has installed Roof Top Solar PV Plant of Capacity 10 kWp.
- The Electrical Energy generated in 19-20 is 12000 kWh.
- Reduction in CO₂ Emissions in 2019-20 works out to be 10.8 MT.

5. Waste Management:

5.1 Segregation of Waste at Source:

The Waste is segregated at source by keeping Waste Bins at various locations.

5.2 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, to dispose of the Sanitary Waste.

6. Rain Water Harvesting:

The College has installed the Rainwater harvesting project; the rain water falling on the terrace is collected and is used for recharging the bore well.

7. Green & Sustainable Initiatives

- Maintenance of good Internal Road
- Maintenance of Internal Garden
- Provision of Ramp for Divyangajan





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

8. Assumptions:

1. **1 kWh** of Electrical Energy releases **0.9 Kg** of **CO₂** into atmosphere
2. **1 Kg of LPG** releases **2.68 Kg** of **CO₂** into atmosphere
3. **1 kWp Roof Top Solar PV** Plant releases **4 kWh** of Electrical Energy per Day.
4. Annual Solar Energy Generation Days: **300 Nos.**

9. References:

- For CO₂ Emissions: www.tatapower.com
- For Roof Top Solar Energy generation: www.solarrooftop.gov.in





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

ABBREVIATIONS

BEE	Bureau of Energy Efficiency
kWh	Kilo Watt Hour
LPD	Liters Per Day
Kg	Kilo Gram
MT	Metric Ton
CO ₂	Carbon Di Oxide
Qty	Quantity

Enrich Consultants, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study present Energy Consumption
2. To Study CO₂ emissions
3. To study usage of Renewable Energy
4. Study of Waste Management
5. Study of Rain Water Harvesting
6. Study of Green & Sustainable Practices

1.2 General Details of College: Table No 1:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Sector 21, Yamuna Nagar, Nigdi 411 044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

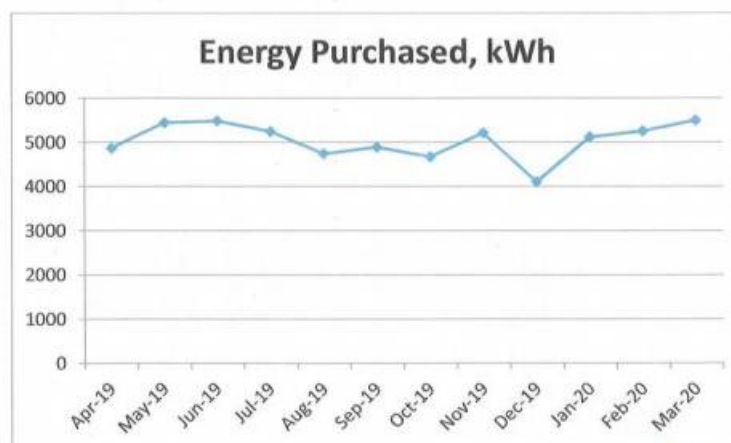
CHAPTER-II STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

Table No 2: Electrical Energy & LPG Consumption Analysis- 2019-20:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg
1	Apr-19	4867	19
2	May-19	5439	19
3	Jun-19	5481	19
4	Jul-19	5242	19
5	Aug-19	4734	38
6	Sep-19	4888	19
7	Oct-19	4670	19
8	Nov-19	5204	38
9	Dec-19	4101	19
10	Jan-20	5116	38
11	Feb-20	5250	38
12	Mar-20	5495	19
13	Total	60486	304
14	Maximum	5495	38
15	Minimum	4101	19
16	Average	9305.58	46.77

Chart No 1: Variation in Monthly Energy Consumption:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Chart No 2: Variation in Variation in Monthly LPG Consumption:

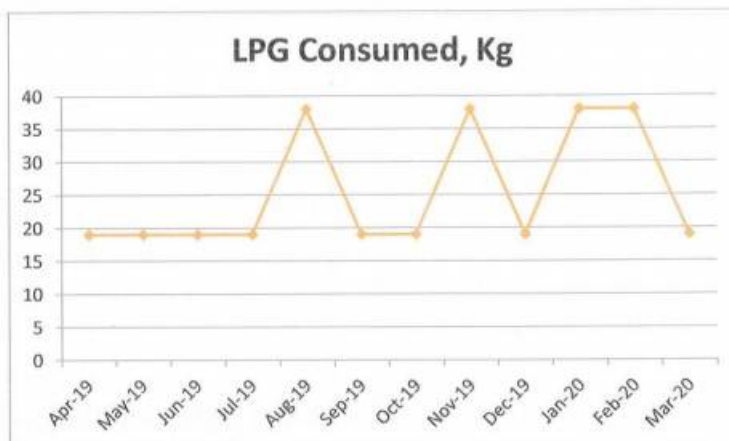


Table No 3: Variation in Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg
1	Total	60486	304
2	Maximum	5495	38
3	Minimum	4101	19
4	Average	9305.58	46.77





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER III STUDY OF CARBON FOOTPRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy and LPG as the Energy Source.

Basis for computation of CO₂ Emissions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 4: Month wise CO₂ Emissions:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-19	4867	19	4.43
2	May-19	5439	19	4.95
3	Jun-19	5481	19	4.98
4	Jul-19	5242	19	4.77
5	Aug-19	4734	38	4.36
6	Sep-19	4888	19	4.45
7	Oct-19	4670	19	4.25
8	Nov-19	5204	38	4.79
9	Dec-19	4101	19	3.74
10	Jan-20	5116	38	4.71
11	Feb-20	5250	38	4.83
12	Mar-20	5495	19	5.00
13	Total	60486	304	55.25
14	Maximum	5495	38	5.00
15	Minimum	4101	19	3.74
16	Average	9305.58	46.77	8.50





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Chart No 3: Month wise CO₂Emissions:

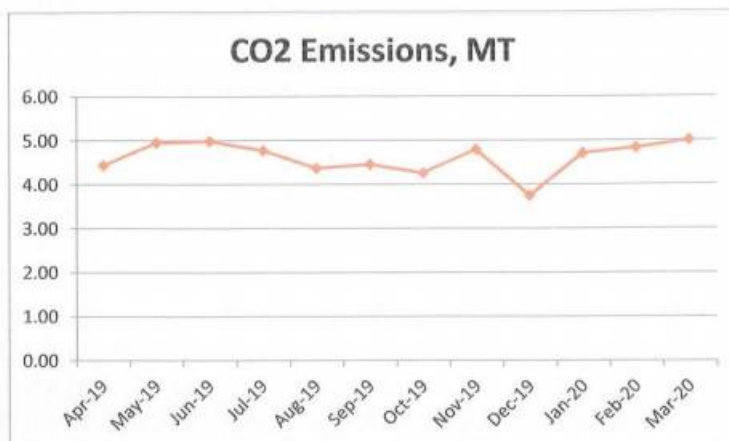


Table No 5: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	60486	304	55.25
2	Maximum	5495	38	5.00
3	Minimum	4101	19	3.74
4	Average	9305.58	46.77	8.50





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER IV STUDY OF USAGE OF RENEWABLE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No 6: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	10	kWp
2	Energy Generated in per kWp	4	4 kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 19-20	12000	kWh
5	1 kWh of Electrical Energy saves	0.9	Kg/kWh
6	Qty of CO ₂ Saved by Solar PV Plant $= (4) * (5) / 1000$	10.8	MT of CO ₂

Photograph of Roof Top Solar PV Plant:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER V STUDY OF WASTE MANAGEMENT

5.1 Segregation of Waste at Source:

The Waste is segregated at source by keeping Waste Bins at various locations.

Photograph of Waste Collection Bin:



5.2 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, to dispose of the Sanitary Waste.

Photograph of Sanitary Waste Management:



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-VI

STUDY OF RAIN WATER HARVESTING

The College has implemented the Rain Water Harvesting Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to recharge the bore well.

Photograph of Rain water Harvesting Recharging Well Section:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-VII

STUDY OF GREEN & SUSTAINABLE PRACTICES

7.1 Pedestrian Friendly Roads:

The College has well maintained internal road to facilitate the easy movement of the students within the campus.

Photograph of Main Entrance:



7.2 Internal Tree Plantation:

The College has well maintained Tree Plantation in the campus.

Photograph of Tree plantation:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

7.3 Provision of Ramp:

For easy movement of Divyangajan, the College has made provision of Ramp.

Photograph of Ramp:





ENVIRONMENTAL AUDIT REPORT

of

Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi 411 044



Year: 2019-20

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
(A Government of Maharashtra undertaking)
2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006,
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174 19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : **Enrich Consultants**
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Multangan English School,
Parvati, Pune - 411009.

Registration Category : Empanelled Consultant for Energy Conservation Programme

Registration Number : **MEDA/ECN/CR-05/2018-19/EA-03**

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit the firm at any time without giving any prior information and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **31st March 2021** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


(Smita Kudarikar)
General Manager (EC)

Enrich Consultants, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/19-20/03

Date: 02/7/2020

CERTIFICATE

This is to certify that we have conducted Environmental Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2019-20.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity 10 kWp.
- Provision of Separate bins for Dry & Wet Waste
- Provision of Sanitary Waste Incinerator
- Implementation of Rain Water Harvesting Project
- Tree Plantation in the campus

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044 , for awarding us the assignment of Environmental Audit of their Campus for the Academic Year: 19-20.

We are thankful to all the Staff members for helping us during the field study.

Enrich Consultants, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of **Electrical Energy and LPG**; used for various Electrical Equipment, office & other facilities.

2. Pollution due to College Activities:

- **Air pollution:** Mainly CO₂ on account of Electricity Consumption
- **Solid Waste:** Bio degradable Garden Waste
- **Liquid Waste:** Human liquid waste

3. Present Energy Consumption & CO₂ Emission:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	60486	304	55.25
2	Maximum	5495	38	5.00
3	Minimum	4101	19	3.74
4	Average	9305.58	46.77	8.50

4. Various Initiatives taken for Energy Conservation:

- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting
- Installation of Roof Top Solar PV Plant of Capacity **10 kWp**.

5. Usage of Renewable Energy & Reduction in CO₂ Emission:

- The College has installed Roof Top Solar PV Plant of Capacity **10kWp**.
- The Electrical Energy generated in 19-20 is **12000 kWh**.
- Reduction in CO₂ Emissions in 2019-20 works out to be **10.8MT**.

6.1 Waste Management:

6.1 Segregation of Waste at Source:

The Waste is segregated at source by keeping Waste Bins at various locations.

6.2 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, to dispose of the Sanitary Waste.

7. Rain Water Harvesting:

The College has installed the Rainwater harvesting project; the rain water falling on the terrace is collected and is used for recharging the bore well.

Enrich Consultants, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

8. Eco Friendly Initiatives:

- Medicinal Plant Garden in the college premises

9. Assumptions:

1. **1 kWh** of Electrical Energy releases **0.9 Kg of CO₂** into atmosphere
2. **1 Kg of LPG** releases **2.68 Kg of CO₂** into atmosphere
3. **1 kWp Roof Top Solar PV** Plant releases **4 kWh** of Electrical Energy per Day.
4. Annual Solar Energy Generation Days: **300 Nos.**

10. References:

- For CO₂ Emissions: www.tatapower.com
- For Roof Top Solar Energy generation: www.solarrooftop.gov.in





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

ABBREVIATIONS

Kg	: Kilo Gram
MSEDCL	: Maharashtra State Distribution Company Limited
MT	: Metric Ton
kWh	: kilo-Watt Hour
LED	: Light Emitting Diode
CPCB	: Central Pollution Control Board

Enrich Consultants, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-I INTRODUCTION

1.1 Important Definitions:

1.1.1 Environment: Definition as per environment Protection Act: 1986

Environment includes water, air and land and the inter-relationship which exists among and between Water, Air, Land and Human beings, other living creatures, plants microorganism and property

1.1.2. Environmental Audit: Definition:

An audit which aims at verification and validation to ensure that various environmental laws are complied with and adequate care has been taken towards environmental protection and preservation

According to UNEP, 1990, "Environmental audit can be defined as a management tool comprising systematic, documented and periodic evaluation of how well environmental organization management and equipment are performing with an aim of helping to regularize the environment"

1.1.3. Environmental Pollutant: means any solid, liquid and gaseous substance present in the concentration as may be, or tend to be, injurious to Environment.

1.1.4. Relevant Environmental Laws in India: Table No-1:

1927	The Indian Forest Act
1972	The Wildlife Protection Act
1974	The Water (Prevention and Control of Pollution) Act
1977	The Water (Prevention & Control of Pollution) Cess Act
1980	The Forest (Conservation) Act
1981	The Air (Prevention and Control of Pollution) Act
1986	The Environment Protection Act
1991	The Public Liability Insurance Act
2002	The Biological Diversity Act
2010	The National Green Tribunal Act

1.1.5. Some Important Environmental Rules in India: Table No-2:

1989	Hazardous Waste (Management and Handling) Rules
1989	Manufacture, Storage and Import of Hazardous Chemical Rules
2000	Municipal Solid Waste (Management and Handling) Rules
1998	The Biomedical Waste (Management and Handling) Rules
1999	The Environment (Siting for Industrial Projects) Rules
2000	Noise Pollution (Regulation and Control) Rules
2000	Ozone Depleting Substances (Regulation and Control) Rules
2011	E-waste (Management and Handling) Rules





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

2011	National Green Tribunal (Practices and Procedure) Rules
2011	Plastic Waste (Management and Handling) Rules

1.1.6 National Environmental Plans & Policy Documents: Table No-3:

1.	National Forest Policy, 1988
2.	National Water Policy, 2002
3.	National Environment Policy or NEP (2006)
4.	National Conservation Strategy and Policy Statement on Environment and Development, 1992
5.	Policy Statement for Abatement of Pollution (1992)
6.	National Action Plan on Climate Change
7.	Vision Statement on Environment and Human Health
8.	Technology Vision 2030 (The Energy Research Institute)
9.	Addressing Energy Security and Climate Change (MoEF and Bureau of Energy Efficiency)
10.	The Road to Copenhagen; India's Position on Climate Change Issues (MoEF)

1.2 Objectives:

1. To study Resource Consumption & CO₂ Emissions
2. To Study CO₂ Emission Reduction
3. To Study of Waste Management
4. To Study of Rain Water Harvesting
5. To Study of Eco Friendly Initiatives

1.3 General Details of College: Table No 4:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Nigdi, Pune-411044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University

Enrich Consultants, Pune



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Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-II

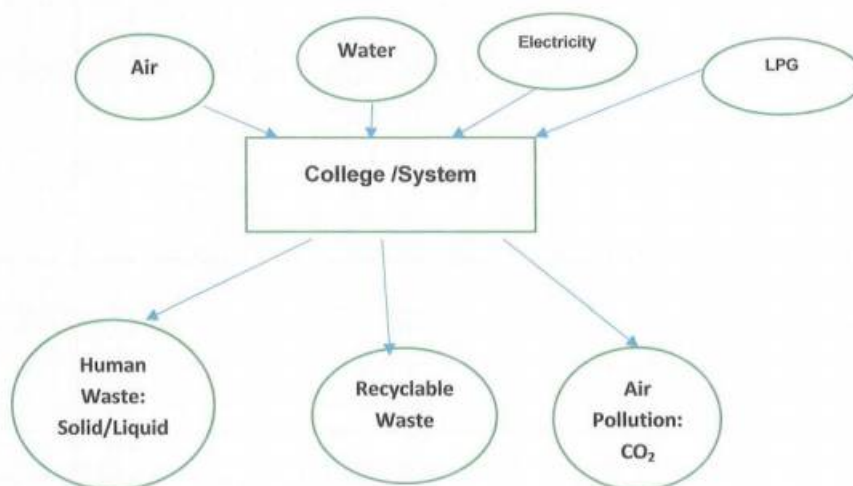
STUDY OF CONSUMPTION OF RECOURCES & CO₂ EMISSION

The Institute consumes following basic/derived Resources:

1. Air
2. Water
3. Electrical Energy

We try to draw a schematic diagram for the College System & Environment as under.

Chart No 1: Representation of College as System & Study of Resources & Waste



Now we compute the Generation of CO₂ on account of consumption of Electrical Energy.

The basis of Calculation for CO₂ emissions due to LPG & Electrical Energy are as under

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Table No 5: Study of Consumption of Electrical Energy, LPG & CO₂ Emissions: 19-20:

No	Month	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-19	4867	19	4.43
2	May-19	5439	19	4.95
3	Jun-19	5481	19	4.98
4	Jul-19	5242	19	4.77
5	Aug-19	4734	38	4.36





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

6	Sep-19	4888	19	4.45
7	Oct-19	4670	19	4.25
8	Nov-19	5204	38	4.79
9	Dec-19	4101	19	3.74
10	Jan-20	5116	38	4.71
11	Feb-20	5250	38	4.83
12	Mar-20	5495	19	5.00
13	Total	60486	304	55.25
14	Maximum	5495	38	5.00
15	Minimum	4101	19	3.74
16	Average	9305.58	46.77	8.50

Chart No 2: Month wise CO₂Emissions:

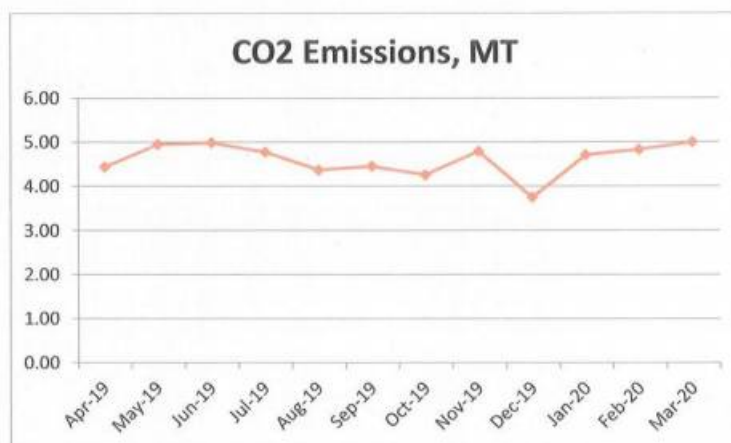


Table No 6: Important Parameters:

No	Parameter/ Value	Energy Purchased, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	60486	304	55.25
2	Maximum	5495	38	5.00
3	Minimum	4101	19	3.74
4	Average	9305.58	46.77	8.50





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER III STUDY OF CO₂ EMISSION REDUCTION

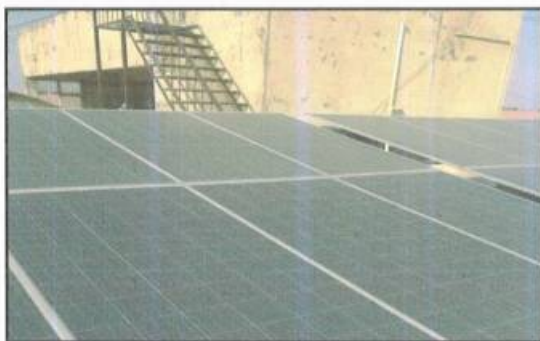
The College has installed Roof Top Solar PV Plant of Capacity **10 kWp**.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No 7: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	10	kWp
2	Energy Generated in per kWp	4	4 kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 19-20	12000	kWh
5	1 kWh of Electrical Energy saves	0.9	Kg/kWh
6	Qty of CO ₂ Saved by Solar PV Plant =(4)*(5) /1000	10.8	MT of CO ₂

Photograph of Roof Top Solar PV Plant:





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER IV STUDY OF WASTE MANAGEMENT

5.1 Segregation of Waste at Source:

The Waste is segregated at source by keeping Waste Bins at various locations.

Photograph of Waste Collection Bin:



5.2 Sanitary Waste Management:

The College has installed Sanitary Waste Incinerator, to dispose of the Sanitary Waste.

Photograph of Sanitary Waste Management:





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-V

STUDY OF RAIN WATER HARVESTING

The College has implemented the Rain Water Harvesting Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to recharge the bore well.

Photograph of Rain water Harvesting Recharging Well Section:





Environmental Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2019-20

CHAPTER-VI

STUDY OF ECO FRIENDLY INITIATIVES

6.1 Internal Tree Plantation:

The College has well maintained Tree Plantation in the campus.

Photograph of Tree plantation:





Green, Energy and Environment audit report 2018-19



ENERGY AUDIT REPORT

of

**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2018-19

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktagan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

MAHARASHTRA ENERGY DEVELOPMENT AGENCY



Maharashtra Energy Development Agency
(A Government of Maharashtra undertaking)
2nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006,
Ph No: 020-26614393/266144403
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2018-19/CR-05/4174

19th September, 2018

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : **Enrich Consultants**
Yashashree, Plot No. 26, Nirmal Bag Society,
Near Mukhtangan English School,
Parvati, Pune - 411009.

Registration Category : *Empanelled Consultant for Energy Conservation Programme*

Registration Number : **MEDA/ECN/CR-05/2018-19/EA-03**

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- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


(Smita Kudarikar)
General Manager (EC)

Enrich Consultants, Pune



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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/18-19/01

Date: 29/6/2019

CERTIFICATE

This is to certify that we have conducted Energy Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2018-19.

The College has adopted following Energy Efficient Practices:

- Usage of Energy Efficient LED Fittings
- Maximum usage of Day Lighting

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

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4	Carbon Foot Printing	13
5	Study of Usage of Alternate Energy	14
6	Study of LED Lighting	15





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College Of Pharmacy, Nigdi Pune 411044, for awarding us the assignment of Energy Audit of their Campus for the Academic Year: 18-19.

We are thankful to all the Staff members for helping us during the field study.

Enrich Consultants, Pune



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Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

EXECUTIVE SUMMARY

1. Progressive Education Society's Modern College of Pharmacy, Nigdi consumes Energy in the form of Electrical Energy and LPG; used for various Equipment.

2. Present Energy Consumption & CO₂ Emission:

No	Parameter/ Value	Energy Consumed, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	61638	342	56.39
2	Maximum	5599	38	5.09
3	Minimum	4179	19	3.81
4	Average	9482.83	52.62	8.68

3. Energy Conservation measures adopted:

- Usage of Energy Efficient LED fittings
- Maximum Usage of Day Lighting

4. Usage of Alternate Energy:

- The College has yet to install Roof Top Solar PV Plant
- It is recommended to install Roof Top Solar PV Plant

5. Usage of LED Lighting:

- The Total LED Lighting Load of the College is **2.458 kW**.
- The Total Lighting Load of the College is **17.49 kW**.
- The percentage of LED Lighting to Total Lighting Load is **14.05 %**.

6. Assumptions:

1. 1 kWh of Electrical Energy releases **0.9 Kg of CO₂** into atmosphere
2. **1 Kg of LPG** releases **2.68 Kg of CO₂** into atmosphere

7. References:

- For CO₂ Emissions: www.tatapower.com
- For Solar Energy generation: www.solarrooftop.gov.in





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

ABBREVIATIONS

LED	: Light Emitting Diode
MSEDCL	: Maharashtra State Electricity Distribution Company Limited
BEE	: Bureau of Energy Efficiency
FTL	: Fluorescent Tube Light
CFL	: Compact Fluorescent Light
PV	: Photo Voltaic
Kg	: Kilo Gram
kWh	: kilo-Watt Hour
CO ₂	: Carbon Di Oxide
MT	: Metric Ton





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study Connected Load
2. To study Present Energy Consumption
3. To Study the present CO₂ emissions
4. To study usage of Alternate Energy
5. To study usage of LED Lighting

1.2 Table No 1: General Details of the College:

No	Head	Particulars
1	Name of Institution	Progressive Education Society's Modern College of Pharmacy
2	Address	Sector 21, Yamuna Nagar, Nigdi 411 044
3	Year of Establishment	1998
4	Affiliation	Savitribai Phule Pune University





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

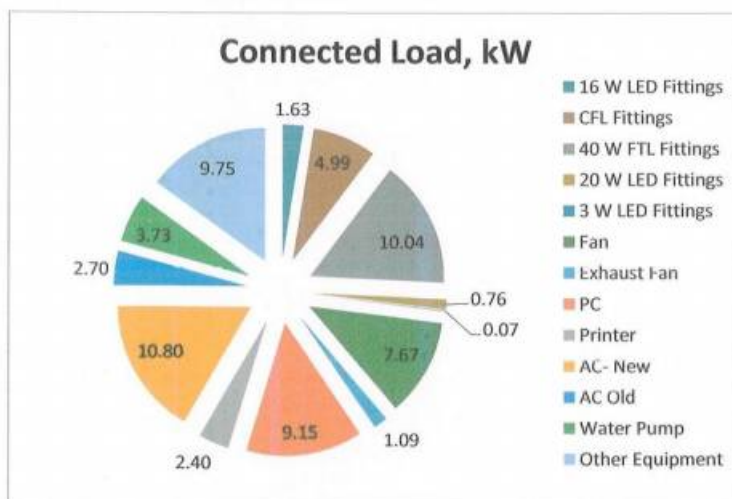
CHAPTER-II STUDY OF CONNECTED LOAD

The major contributors to the connected load of the College include:

Table No 2: Study of Equipment wise Connected Load:

No	Equipment	Qty	Load, W/Unit	Load, kW
1	16 W LED Fittings	102	16	1.63
2	CFL Fittings	156	32	4.99
3	40 W FTL Fittings	251	40	10.04
4	20 W LED Fittings	38	20	0.76
5	3 W LED Fittings	22	3	0.07
6	Fan	118	65	7.67
7	Exhaust Fan	21	52	1.09
8	PC	61	150	9.15
9	Printer	16	150	2.40
10	AC- New	6	1800	10.80
11	AC Old	1	2700	2.70
12	Water Pump	1	3730	3.73
13	Other Equipment	65	150	9.75
14	Total			64.78

Chart No 1: Study of Connected Load:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

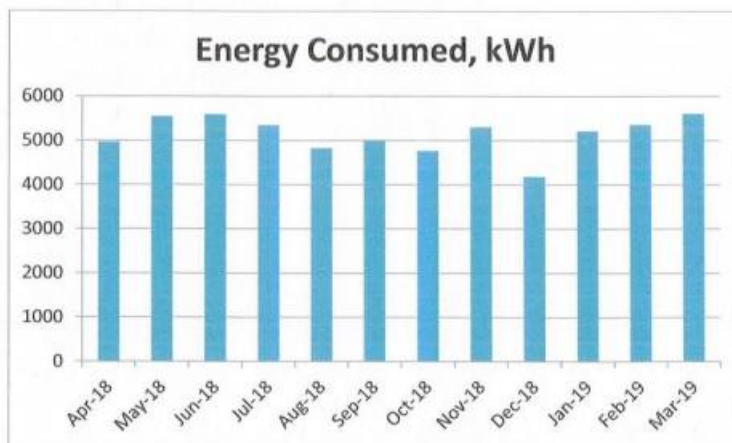
CHAPTER-III STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

Table No 3: Electrical Energy & LPG Consumption Analysis- 2018-19:

No	Month	Energy Consumed, kWh	LPG Consumed, Kg
1	Apr-18	4959	38
2	May-18	5543	19
3	Jun-18	5585	19
4	Jul-18	5341	19
5	Aug-18	4825	38
6	Sep-18	4981	19
7	Oct-18	4759	38
8	Nov-18	5303	38
9	Dec-18	4179	19
10	Jan-19	5213	38
11	Feb-19	5350	38
12	Mar-19	5599	19
13	Total	61638	342
14	Maximum	5599	38
15	Minimum	4179	19
16	Average	9482.83	52.62

Chart No 2: Variation in Monthly Energy Consumption:





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

Chart No 3: Variation in Monthly LPG Consumption:



Table No 4: Variation in Important Parameters:

No	Parameter/ Value	Energy Consumed, kWh	LPG Consumed, Kg
1	Total	61638	342
2	Maximum	5599	38
3	Minimum	4179	19
4	Average	9482.83	52.62





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

CHAPTER-IV CARBON FOOT PRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy and LPG as the Energy Source.

Basis for computation of CO₂ Emissions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
- 1 Kg of LPG releases 2.68 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 5: Month wise CO₂ Emissions:

No	Month	Energy Consumed, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Apr-18	4959	38	4.57
2	May-18	5543	19	5.04
3	Jun-18	5585	19	5.08
4	Jul-18	5341	19	4.86
5	Aug-18	4825	38	4.44
6	Sep-18	4981	19	4.53
7	Oct-18	4759	38	4.39
8	Nov-18	5303	38	4.87
9	Dec-18	4179	19	3.81
10	Jan-19	5213	38	4.79
11	Feb-19	5350	38	4.92
12	Mar-19	5599	19	5.09
13	Total	61638	342	56.39
14	Maximum	5599	38	5.09
15	Minimum	4179	19	3.81
16	Average	9482.83	52.62	8.68





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

Chart No 4: Month wise CO₂ Emissions:

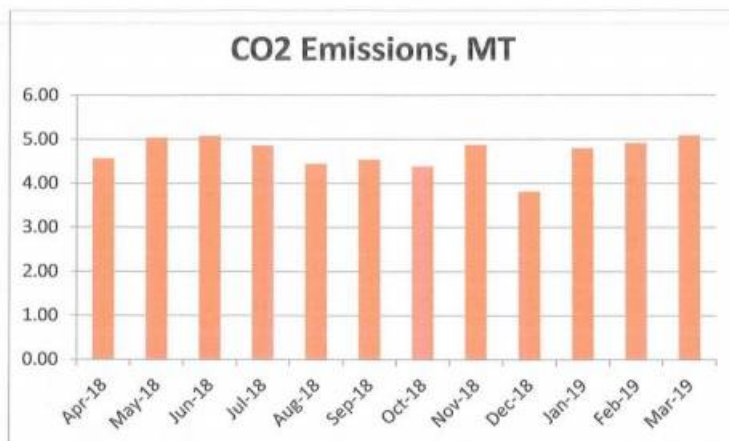


Table No 6: Important Parameters:

No	Parameter/ Value	Energy Consumed, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	61638	342	56.39
2	Maximum	5599	38	5.09
3	Minimum	4179	19	3.81
4	Average	9482.83	52.62	8.68





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

CHAPTER-V
STUDY OF USAGE OF ALTERNATE ENERGY

- The College has yet to install Roof Top Solar PV Plant
- It is recommended to install Roof Top Solar PV Plant





Energy Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

CHAPTER VI STUDY OF USAGE OF LED LIGHTING

In this chapter, we compute the percentage of usage of LED Lighting to Total Lighting Load.

Table No 7: Percentage of Usage of LED Lighting to Total Lighting Load:

No	Particulars	Value	Unit
1	No of 40 W FTL Fittings	251	Nos
2	Demand of 40 W FTL Fitting	40	W/Unit
3	Total Load of 40 W FTL Fittings	10.04	kW
4	No of 20 W LED Fittings	38	Nos
5	Demand of 20 W LED Fittings	20	W/Unit
6	Total Load of 20 W LED Fittings	0.76	kW
7	No of 16 W LED Fittings	102	Nos
8	Demand of 16 W LED Fittings	16	W/Unit
9	Total Load of 16 W LED Fittings	1.632	kW
10	No of 3 W LED Fittings	22	Nos
11	Demand of 3 W LED Fittings	3	W/Unit
12	Total Load of 3 W LED Fittings	0.066	kW
13	No of 32 W CFL Fittings	156	Nos
14	Demand of 32 W CFL Fittings	32	W/Unit
15	Total Load of 32 W CFL Fittings	4.992	kW
16	Total LED Lighting Load= 6+9+12	2.458	kW
17	Total Lighting Load=3+6+9+12+15	17.49	kW
18	Annual Lighting Requirement met by LED= $16 \times 100 / 17$	14.05	%





GREEN AUDIT REPORT

of

**Progressive Education Society's
Modern College of Pharmacy,
Sector 21, Yamuna Nagar, Nigdi, Pune 411 044**



Year: 2018-19

Prepared by:

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Mukhtangan English School, Parvati, Pune 411009
Phone: 09890444795 Email: enrichcons@gmail.com





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

MAHARASHTRA ENERGY DEVELOPMENT AGENCY	
	Maharashtra Energy Development Agency (A Government of Maharashtra undertaking) 2 nd Floor, MHADA Commercial Complex, Opp. Tridal Nagar, Yerwada, Pune 411 006, Ph No: 020-26614393/266144403 Email: eee@mahaurja.com , Web: www.mahaurja.com
ECN/2018-19/CR-05/4174	19 th September, 2018
CERTIFICATE OF REGISTRATION FOR CLASS 'A'	
We hereby certify that, the firm having following particulars is registered with MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA) under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.	
Name and Address of the firm	: Enrich Consultants Yashashree, Plot No. 26, Nirmal Bag Society, Near Mukhtangan English School, Parvati, Pune - 411009.
Registration Category	: Empanelled Consultant for Energy Conservation Programme
Registration Number	: MEDA/ECN/CR-05/2018-19/EA-03
<ul style="list-style-type: none">Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.MEDA reserves the right to visit the firm at any time without giving any prior information and canceling the registration, if the information is found incorrect.This empanelment is valid till 31st March 2021 from the date of registration, to carry out energy audits under the Energy Conservation ProgrammeThe Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.	
 (Smita Kudarikar) General Manager (EC)	

Enrich Consultants, Pune



Page 2



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

Enrich Consultants

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: enrichcons@gmail.com

Ref: EC/MCOP/18-19/02

Date: 29/6/2019

CERTIFICATE

This is to certify that we have conducted Green Audit at Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune, in the Academic year 2018-19.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Provision of Separate bins for Dry & Wet Waste
- Maintenance of good Internal Road
- Tree Plantation in the campus
- Implementation of Rain Water Harvesting Project
- Provision of Sanitary Waste Incinerator

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,

A Y Mehendale,
Certified Energy Auditor
EA-8192





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

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4	Study of Usage of Renewable Energy	13
5	Study of Waste Management	14
6	Study of Rain water Harvesting	15
7	Study of Green Practices	16





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Progressive Education Society's Modern College of Pharmacy, Nigdi Pune 411044 , for awarding us the assignment of Green Audit of their Campus for the Academic Year: 18-19.

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Enrich Consultants, Pune



Page 5



Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

EXECUTIVE SUMMARY

1. **Progressive Education Society's Modern College of Pharmacy, Nigdi** consumes Energy in the form of **Electrical Energy and LPG**; used for various Equipment.

2. Present Energy Consumption & CO₂ Emissions:

No	Parameter/ Value	Energy Consumed, kWh	LPG Consumed, Kg	CO ₂ Emissions, MT
1	Total	61638	342	56.39
2	Maximum	5599	38	5.09
3	Minimum	4179	19	3.81
4	Average	9482.83	52.62	8.68

3. Various initiatives taken for Energy Conservation:

- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting

4. Usage of Renewable Energy:

- The College has yet to install Roof Top Solar PV Plant
- It is recommended to install Roof Top Solar PV Plant

5. Solid Waste Management:

5.1 Segregation of Waste at Source:

The Waste is segregated at source. Waste bins are located at various locations.

6. Rain Water Harvesting:

The College has installed the Rainwater harvesting project; the rain water falling on the terrace is collected and is used for recharging the bore well.

7. Green & Sustainable Initiatives

- Maintenance of good Internal Road
- Maintenance of Internal Garden

8. Notes & Assumptions:

1. **1 kWh** of Electrical Energy releases **0.9 Kg** of CO₂ into atmosphere
2. **1 Kg** of LPG releases **2.68 Kg** of CO₂ into atmosphere

9. References:

- For CO₂ Emissions: www.tatapower.com
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Enrich Consultants, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

ABBREVIATIONS

BEE	Bureau of Energy Efficiency
kWh	Kilo Watt Hour
LPD	Liters Per Day
Kg	Kilo Gram
MT	Metric Ton
CO ₂	Carbon Di Oxide
Qty	Quantity





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study present Energy Consumption
2. To Study CO₂ emissions
3. To study usage of Renewable Energy
4. Study of Waste Management
5. Study of Rain Water Harvesting
6. Study of Green Practices

1.2 General Details of College: Table No 1:

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

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In this chapter, we present the analysis of Electrical Energy & LPG Consumption.

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Chart No 1: Variation in Monthly Energy Consumption:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

Chart No 2: Variation in Variation in Monthly LPG Consumption:



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

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A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

Chart No 3: Month wise CO₂ Emissions:

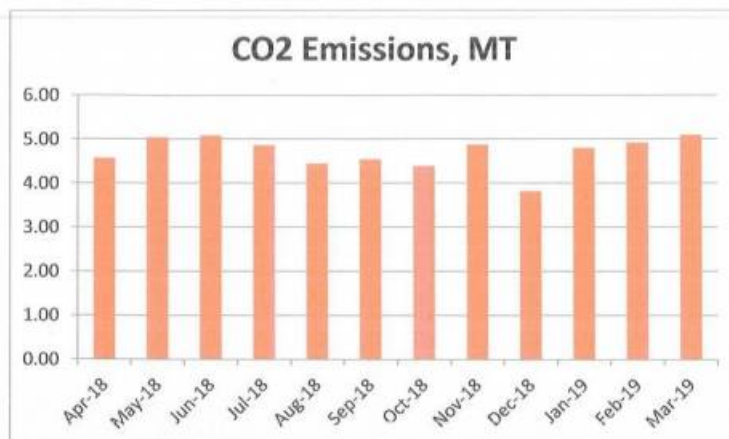


Table No 5: Important Parameters:

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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

**CHAPTER IV
STUDY OF USAGE OF RENEWABLE ENERGY**

- The College has yet to install Roof Top Solar PV Plant
- It is recommended to install Roof Top Solar PV Plant

Enrich Consultants, Pune



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Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

CHAPTER V STUDY OF WASTE MANAGEMENT

5.1 Solid Waste Management:

5.1. Segregation of Waste at Source:

The Waste is segregated at source. Waste bins are located at various locations

Photograph of Waste Collection Bins:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

CHAPTER-VI STUDY OF RAIN WATER HARVESTING

The College has installed the Rainwater harvesting project; the rain water falling on the terrace is collected and is used for recharging the bore well.

Photograph of Rain water Harvesting Pipe:





Green Audit Report: Progressive Education Society's Modern College of Pharmacy, Nigdi: 2018-19

CHAPTER-VII STUDY OF GREEN PRACTICES

7.1 Pedestrian Friendly Road:

The College has well maintained internal road to facilitate the easy movement of the students within the campus.

Photograph of Internal Road:



7.2 Internal Tree Plantation:

The College has well maintained Tree Plantation in the campus.

Photograph of Tree plantation:





7.1.3: Certificates of the awards received from recognized agency



7.1.3: Certificates of Awards received from recognized agency.

P.E.S. Modern College of Pharmacy is recipient of an award from VM EDUlife. VM EDUlife is an ISO 9001:2015 certified Company, it is an industry associate of SCGJ, India. Also, it is an Official Member of NASSCOM. It is a cloud-based learning platform provider for various educational institutions. This organization has awarded P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 to honor the valuable contribution towards implementation of online platform which contributes for sustaining greener nation.

This certificate of award is given for academic year 2022-23 as a continuation with previous award for the year 2016-21.

This is greatest outcome of all clean and green campus initiative.



Certificate of award by VM EDULife (2022-2023):



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

to recognize the participation in the vmedulife "GO GREEN" initiative and to honour the valuable contribution made towards implementation of the online platform which contributes for sustaining greener nation.

We appreciate the involvement and cooperation extended by all the stakeholders in making this drive a success.



Certificate No.: VMG20230511391
(For Academic Year 2022-23)

Director

VMEDULife Pvt. Ltd.

Date: 27/06/2023

This certificate of green campus remains the property of VMEDULife Pvt. Ltd.
For current validity of certificate, visit
www.vmedulife.com



Certificate of award by VM EDULife (2016-2021):

Certificate of Awards: Recognition by Vm EDULife

