

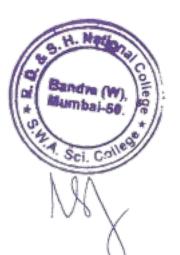


NAAC Criteria VII Institutional Values & Best Practices

7.1.3:
Green/ Environment Audit, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus
Environmental promotion activities



Assessment Period: 2018 – 2023



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Criteria VII: Institutional Values and Social Responsibilities

Beyond the campus environmental promotion activities

Sr.	Particulars	Pg. Nos.
No.		
1	2018- 2019	
	Citizen Science Activity – IInd Bandra Bird Race	2-4
	Internship – Ek Prithvi	5 - 6
2	2019 - 2020	
	Celebration of World Environment Day	6
	Beach Clean up activities	7 - 8
	One day National level Environmental Sustainability conference	8 - 10
	Awareness Program on Impact of Air Pollution "Saaf Shwas 24	10 - 11
	Taas":Air Quality Campaign	
	Earth Mela –An Environment Fest	12 - 16
3	2020 - 2021	
	National Butterfly Campeign	17 - 18
4	2021 - 2022	
	Compost testing for neighbouring societies in collaboration with	19
	MCGM	
	Beach Cleanup drive	19 - 20
	National Level Webinar titled "Save Blue to Stay Green"	20
5	2022 - 2023	
	Clean up drive at Mithi river, Bandra (East)	21



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Beyond Campus Environment Promotion Activities

The college tries to sensitize its stakeholders and inculcate pro-environment behavior amongst the students through various activities. The programs range from motivational seminars, lecture, visits, hands on training, etc. which are conducted not only inside the college premises but beyond, reaching to the youth in the society. Various reputed organizations and NGOs come forward to support such program either monetarily or otherwise.

Some of the important activities in this area are enlisted here:

2018-19:

a. Citizen Science Activity:

IInd Bandra Bird Race, a five yearly bird survey activity, was conducted by The Nature Club supported by D. M. Harish Foundation, Mumbai on 25 & 26 January 2019 where 103 students from 30 colleges from around Mumbai documented 106 birds in and around 10 km radius of Bandra. Prior to the actual survey, students were trained on birding, videography and photography by renowned professionals in the respective areas. As an outcome of this survey, a film on "Birds around Bandra" and a Research poster on Bird assessment were created. The film is uploaded on YouTube platform for public viewing.



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







Training Session by Dr. Lalana Khot, a Zoologist



Training Session by Mr. Saurabh Sawant, a renowned birder, wildlife photographer and film maker



Training Session on Bird photography by Mr. Nayan Khanolkar, A wildlife expert and award winning wildlife photographer



Inauguration of the Event by Mr. Sunjay Monga, a renowned wildlife photographer and conservationist





Students observing Birds in Bandra during the bird race

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







Riyan, the youngest photographer, taking photographs of birds during bird race



Students giving justification for the observation in field during bird race to the jury members comprising of renowned birders and wildlife researchers



The Bird of the Day -Ruff



One of the Winners of Photography Competition



The youngest participant explaining his finding during valecdictory session



Documentary Film on Common Birds around Bandra

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





b. Internship:

R. D. National College has been associating with various environmental organizations to impart first hand real life training and create leaders in the field of environment. In the academic year 2018-19, the department of Zoology partnered with WWF, Mumbai Chapter, (Maharashtra) India for one of their year-long Internship program "Ek Prithvi" through structured curriculum developed by WWF.

30 SYBSc students from the Department of Zoology, R D National College were entrusted with the responsibility to create awareness about environmental aspects and sensitize students of municipal schools around Bandra towards conservation activities.





Ms. Caroline Pais, education officer, WWF during the orientation session of 'Ek Prithvi' program



Kajal & Danya, SYBSc students teaching basics of conservation to the government school students

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities









Representative certificate awarded to students of National College after the internship program

2019-20:

World Environment Day - 5th June -2019 - Inter-College Poster Competition on Tree Plantation —as a component of 'My Earth My Trees': A Social Action Plan For Environmental Enrichment (5/6/2019 To 15/08/2019)

Around **40 participants** from **15 different colleges** participated in this competition. This poster competition was a Component of Social Action Plan for Environmental Enrichment: "My Earth My Trees" of NSS unit of R.D. National College (5/6/2019 to 15/08/2019). For motivation, first three participants were presented with mementos. All posters were exhibited in college campus to motivate students towards nature and plantations. NSS volunteers Hritik Shrivastav, Priyanka Vishwakarma, Jaswant Choudhary, Kavan Thakur and Padma Bhat coordinated the activity.



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Post Ganpati beach clean-up for restoration and awareness among youth to take up ecofriendly practices during ganeshotsav (13/09/2019) celebrations with 25 volunteers

Versova Beach cleanup on 17th August 2019 for celebrating Parsi New Year by BAF department spearhead by coordinator Dr. Mukesh Kanojia.





Cleanup activity in Versova beach in progress

Dana Pani Beach Malad Cleanup on 24th August 2019 and Mithi River Filterpada Cleanup on 25th August 2019 for celebrating Janmasthmi.



Group Photo of the students volunteers after the cleanup.

Beach clean up and Beat Plastic Pollution drive by students of R. D. National College participation by all the house captains and volunteers for celebration of International Coastal Cleanup Day on 21st September 2019 at Devachi Wadi Beach.

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities

Bandra (W Mumbai-50







Dr. Mukesh Kanojia leading the students and appreciation by CPRF officials.



Group Photo of the volunteers at the Venue

b. Establishment of CISSE and launch of 'Jal pe Charcha' – a save water initiative in collaboration with AquaKraft Pvt. Ltd. Was organized on 11th January 2020 with 500 participants.





Inauguration of Swachgraha and Jal pe Charcha by Mr. R. Ramanan (Atal Innovation Mission Niti Ayog, Govt. Of India) along with Trustees and President of HSNC Dr. Niranjan Hiranandani, Dr. Anil Harish, Ms. Maya Sahani, Dr. Indu Shanani, Principal Dr. Neha Jagtiani & Ms. Arushi Nishank (Chairperson, Sparsh Ganga).

One day National level Environmental Sustainability conference on 12th an 2020.

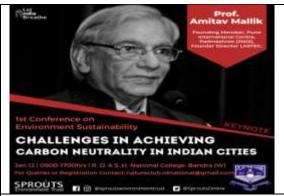
R. D. National College & S. W. A. Science College (The Nature Club) in conatoration with SPROUTS Environment Trust, Mumbai organized A 1-Day Conference on 1⁵¹ Environmental Sustainability on January, 12th 2020. The prime question was - **Can sustainability be achieved via urban, ecological and economic planning?**

50+ Participants of diverse backgrounds post graduate, graduate & school students, academicians, researchers, **urban planners**, common citizens, architects, etc were part of the conference.

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







Poster for Prof. Amitav Mallik (Padmashree Awardee)



Q & A session with Dr. Amitav Mallick, Mr. Kedarnath Rao Ghorpade, Dr. Pankaj Sekhsaria, Mr. S Ganesh & Mr.Vikram Pawar. (Right to Left)



Dr. Suhel Quader presenting a talk on Citizen Science on Monitoring Birds in a Changing Climate on Zoom



Dr. Ashwini Sandhu, Dr. Sugandha Shetye, Dr. Sashirekha S Iyer and Dr. Pankaj Sekhsaria during Launch of the The State of Wildlife and Protected Areas in Maharashtra book by Dr. Pankaj Sekhsaria (Left to Right)



Mr.Vikram Pawar gaving presentation on Rivers as Ecological Corridors.



Dr. Ashwini Sandu gaving a talk on Intellectual Property Rights

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







The Panel Discussion, titled The Urban Conflict, with Ms. Shweta Wagh, Ms.Sumaira Abdulali & Mr. Hussain Indorewala (Left to Right)



Questions & Answers session and interaction with Participants.



Schedule of the Conference



Merchandise Calendar given to participants

An Awareness Program on Impact of Air Pollution "Saaf Shwas 24 Taas": Air Quality Campaign on 14 January 2020

Students Participated: 76

Venue: Linking Road, Bandra (W), Mumbai

Resource persons: Dr. Amita Nene, Head of Dept. of Respiratory Medicine, Bombay Respita

Dr. Sanjeev Mehta, Chief Pulmonologist, Lilavati Hospital

An awareness bill board was installed with the support from an NGC was awaran Foundation on January 14. This was an unique and first of its kind public awareness campaign entitled as - The Billboard that Breathes. Its an installation shaped like the human lungs and fitted with HEPA filters, that showcase the impact of air pollution. Over time, pollution, emissions and dust causes the installation to change colour, and it goes from white to grey to black. It's a great way for citizens to know the direct impact of air pollution on their health. The billboard was

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





placed right outside RD National college. NSS Volunteers from National college to joined in spreading awareness about air pollution as well as the health impacts.



Bill Board installed near linking Road gate of College facing the ongoing traffic



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





• Organization of Two day Earth Mela –An Environment Fest in collaboration with SPROUTS Environment Trust on Jan 18 & 19, 2020.

Two day fun filled events comprising of lectures, workshops, Adventure Sports, Musical Program, photo exhibition, film exhibition, installation, stalls, competition, etc all based on environment.











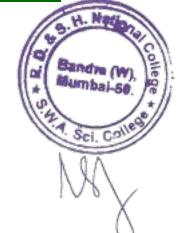








Representative Posters of various workshop during Earth Mela



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







Participants of Earth mela during inaugural session



Mandala making Workshop



Lecture on Animal & Plant communication



Welfare of Stray Dogs representative addressing the participants



Musical Evening



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







Lecture on How to be Ecowarrior



Photo Exhibition



Braille learning Workshop



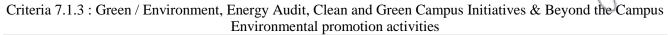
Lecture on Fountain Pens



workshop themed "How are you struggling "



Indian Sign Language Works









Warli Painting Workshop



Illustration Exhibition



Film Exhibition



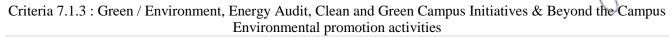
Installation Exhibition



Clay Figurine Workshop



Knots Workshop mbai a









Youth participants



Schools students as participants

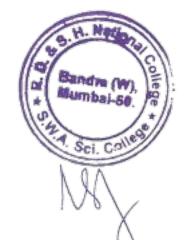


Keynote address by Dr. Anish Andheria, a Mumbai based environmentalist



Group Photo of the Organisers

Representative photos of different events during Earth Mela



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





2020-21

a. National Butterfly Campaign

A group of Butterfly experts from across the country led an initiative to select the 'National butterfly of India'. It was an online poll open to citizens of India to vote for a national butterfly. The Nature Club and the departments under DBT Star College Scheme of R. D. & S. H. National College had organized online training program - Vote for India's National Butterfly to create awareness and train the participants on this issue.

To facilitate this activity online sessions for teaching various aspects of the selection.

Schedule for the Sessions

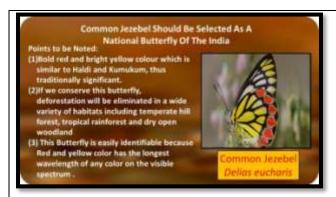
Sr. No.	Date	Timing	Lecture Title	Resource person/ Facilitator	Google meet link	No. of participants
1	24/09/	4 to 5pm	Importance of	Mr.	https://meet.google.com/mwa-	60+
	2020		having	Nikhil	<u>xrba-xfw</u>	
			Butterfly as	Disoria		
			National			
			Symbol			
2	28/09/	12 to	Process for	Dr.	https://meet.google.com/kjg-	82
	2020	12:30pm	Voting	Suchandra	<u>oefs-zkt</u>	
			National	Dutta		
			butterfly - An			
			Overview			
3	28/09/	12:30 to	Scientific	Mr. Isaac	https://meet.google.com/kjg-	82
	2020	1:40pm	approach	Kehimkar	oefs-zkt	
			towards			
			selecting			
			National			
			Butterfly			
4	01/10/	4 to 5pm	Detail process	Mr Nikhil	https://meet.google.com/qvc	28
	2020		of conduct of	Disoria	zusx-mxr	Mary Co.
			poll and		//8/	151
			things to		oi Bar	ndra (w)
			remember		//*/ were	nbai-50.
			when voting		110	/*//
5	02/10/	4 to 5pm	Student	Mr Nikhil	https://meet.google.com/vo-	28t-116
	2020		discussion	Disoria	<u>bqwx-jup</u>	1 1
			forum about			W\
			choosing a		1 0	0 /
			particular			\wedge

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Sr. No.	Date	Timing	Lecture Title	Resource person/	Google meet link	No. of participants
				Facilitator		
			candidate and			
			giving reasons			
			for it.(Session			
			1)			
6	03/10/	4 to 5pm	Student	Mr Nikhil	https://meet.google.com/sek-	13
	2020		discussion	Disoria	aosm-ybk	
			forum about			
			choosing a			
			particular			
			candidate and			
			giving reasons			
			for it.(Session			
			2)			
7	04/10/	4 to 5pm	Final session	Mr Nikhil	https://meet.google.com/oja-	13
	2020		cumulating all	Disoria	<u>xmwo-yqf</u>	
			the reasons for			
			voting a			
			candidate			





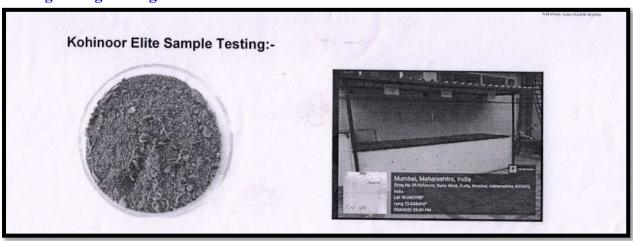
Student Poster for National Butterfly Campaign





2021-22

a. Dr. Mona Kejariwal, Associate Professor, Department of Botany, R. D. & S. H. National College has served as academia partner in a **project** in association with the MCGM for **Compost Testing in neighboring societies.**



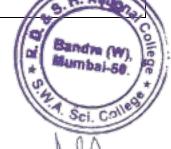
b. Beach Cleanup Drive by NSS unit of RD National College in association with Bhamla Foundation and Climate Warrior on 21st October 2021 at Bandra.



Bollywood Actress Bhoomi Pednekar was one of the dignitaries to encourage the student participants



Beach Cleanup activity in progress



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







Cleaning of plastic and other garbage from mangrove habitat at Carter Road, Bandra



Group Photo of the NSS volunteers who participated in thgis Clean —up drive

c. A National Level Webinar titled "Save Blue to Stay Green" was organized on Friday, 28th March 2022 by R.D. & S.H. National College & S.W.A. Science College Faculty of Commerce, Department of Bachelor of Management Studies (BMS) Bachelor of Commerce (Accounting and Finance) (BAF) & Internal Quality Assurance Cell (IQAC) in association with Department of Botany, Sacred Heart Degree College, Sitapur.



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities

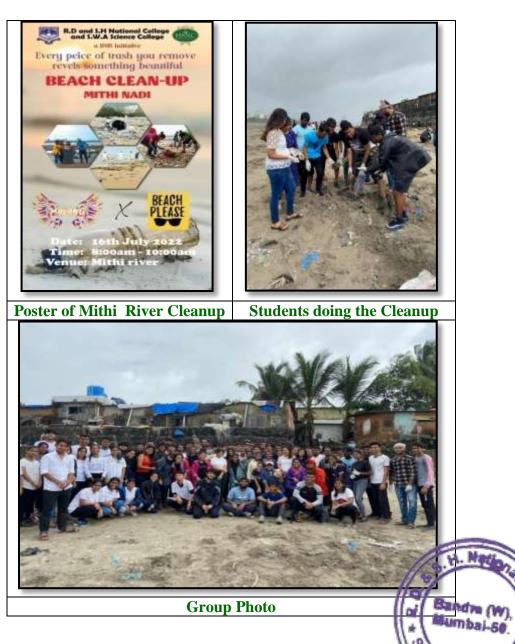
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2022-23

a. On 16th July 2022 students of BMS Department of R.D. & S.H. National College & S.W.A. Science College gathered at the Mithi River for a Clean-up drive organised in association with Beach Please.



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities

NAAC Criteria VII Institutional Values & Best Practices

7.1.3:

Green/ Environment Audit, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities (Clean & Green Campus Initiatives)



Assessment Period: 2018 - 2022





Criteria VII: Institutional Values and Social Responsibilities

Content

Sr. No.	Particulars	Pg. Nos.
1	Energy Conservation Measures	3
2.	Waste Management	4 - 10
3.	Water Conservation & Sensitization drive on water conservation	11 - 12
4.	Green Campus Initiatives	12 - 28







Green Campus Initiative: Replacement of Traditional lights with LED

- The College has replaced old traditional lights with LED.
- Of the total **1255** electric bulbs and lights in the College premises, more than **99**% lights and bulbs are LED (only less than 10 lights are conventional bulbs) contributing to energy saving by reducing energy consumption .

The details of the same is given in the following table:

Sr. No.	Location	Quantity
1.	Campus	51
2.	Auditorium	82
3.	Auditorium Foyer	21
4.	Principal, Vice principal's Cabin and	90
	Departmental staff Rooms, cafeteria	
5.	Ground Floor Office & Corridor, NSS,	72
	Multi utility sports Centre, IIC	
6.	Staff Common Room	21
7.	Digi Space	06
8	Class Rooms, Conference Room,	882
	Laboratories, Library, corridors & Toilets	

Using Energy Efficient Electrical Gadgets:

The College is committed to minimize the use of conventional energy and encourage the use of green and eco-friendly energy. As a step in this direction, the College has installed electrical devices, especially air-conditioners and refrigerators with star-rated energy saving devices.

The details of the various electrical devices are as under:

Sr. No.	Electrical Devices	Star Rated Devices (Number)
1.	Air Conditioners	3 star rating , 44 nos.
		2 star rating, 55 nos.
2.	Refrigerators	2 star rating , 5 nos.
		# Mumbai-50

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Waste Management : Management of the various types of degradable waste management :



Documentation of degradable waste management practiced in the College campus using Two bin Solid Waste Segregation System and Composting using Tumbler and Ground Pit







Management of the various types of non-degradable and recyclable waste management

Plastic waste management





Students are encouraged to collect multilayered plastic wastes and submit to initiative started in association with WWF-India chapter

Criteria 7.1.3: Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities

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Mumbai-50

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Students are sensitized towards using cloth bag instead of plastics bags through various activities:











Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Cerificate of Recycling of Paper, Iron & E-waste generated in college



DO PE

Date 28- 03-2023 SSSPL-2022-23/040

To

R. D. National college

Jotu kudnani chowk,

off linking road,

Bandra west

Mumbai 400050

Subject: Green certificate for responsibly disposing dry (non-biodegradable) waste

This is to confirm that 1546.0 kgs of waste was collected from March 2022 February 2023, in the form of Dry waste from Rishi Dayaram and Seth Hassaram National College and Seth Wassiamull Assomull Science College Jotu kudnani chowk, off linking road, Bandra west Mumbai 400050 and has been collected by ReCircle (brand of Swachh sustainable solutions Pvt Ltd) and its partners. The collected waste has been sent for processing via recycling & co-processing to ensure that no waste reaches landfills and oceans.

Total Material Diverted in March 2022 February 2023.

Material	Quantity
Mix Colour paper	1349
Iron	145
E-Waste	52
Total	1546

Note: All Numbers in Kg

We further confirm that the above-mentioned quantity of waste has been processed in an environmentally friendly manner and none of the waste has reached the landfills or oceans.

Thank you for your contribution!

Yours sincerely

Swachh Sustainable solution Pvt Ltd.

Swachh Sustainable Solutions Pvt Ltd

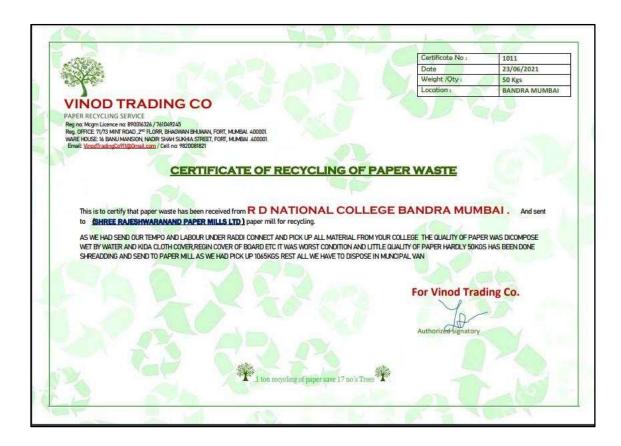
A-03, JUHU RITURAJ CHS, JUHU TARA ROAD, SANTACRUZ, WEST MUMBAI 400049. +91 90042 40004 | info@recircle.in | www.recircle.in



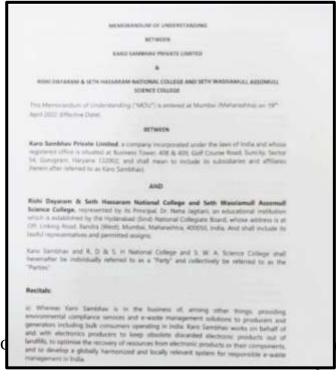




Recycling of paper waste generated in college:



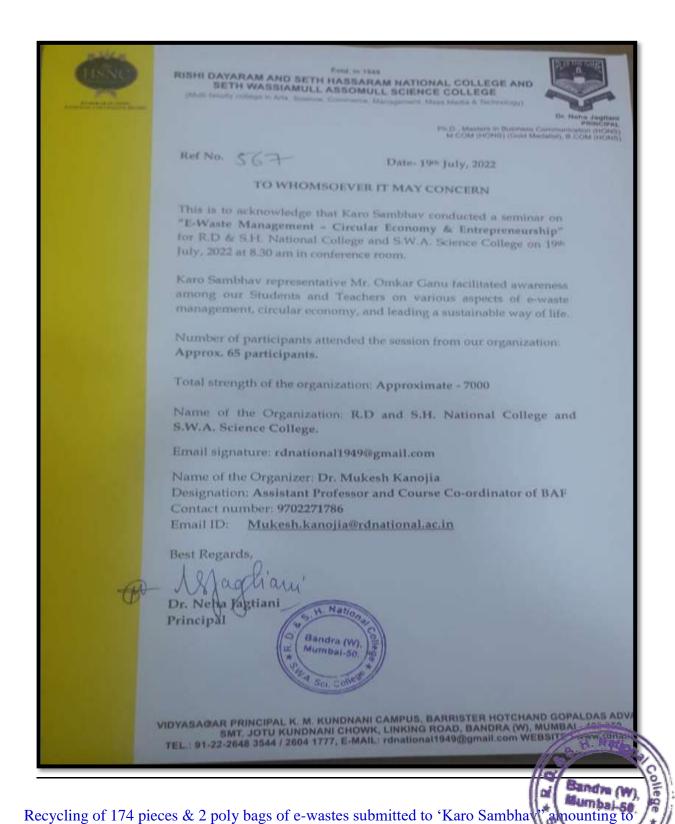
E-Waste Management in collaboration with "Karo Sambhav"











Recycling of 174 pieces & 2 poly bags of e-wastes submitted to 'Karo Sambhay' 496.6 kg of E-wastes on December 1, 2021

Criteria 7.1.3: Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







Session on E-waste Management by Karo-Sambhav for awareness generation amongst students:



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Water Conservation:

Sensitization drives on water conservation:

On the eve of National Science Day, on 26th February, 2022 a motivational session was organized on the topic "Catch the Rain" to sensitize youth towards the benefit to harvesting of rain water for achieving sustainability in association with Dr. Subhajit Mukherjee, Jal Shrishti Abhiyan. Around 400 students and 15 Faculties have attended this program. "Catch the Rain" concept is spearheaded by Veteran singer Smt. Anuradha Paudwal through her NGO.







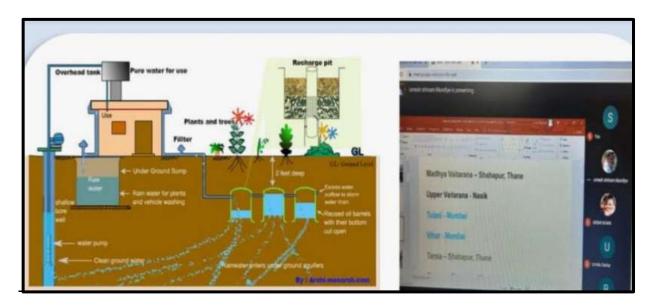
	Notice	24/2/22
workshops on 25th and suspended on these t Botany, Zoology, Mar	al Science day the Faculty of Science has organized 126" of February 2022. Lectures and Practical of all science days. Undergraduate & Post graduate Students of this, Computer Science, Biotechnology & Information 1 the seminar and workshops in the offline mode.	nce departments will be Physics Chemistry,
	Program Schedule	
National	Science Day Celebrations- 25th and 26th February 20	22 under
	DBT STAR College Scheme	
	Circular Economy -A step towards sustainable Futu	ire
Ch	ief Guest: Dr Vijay Habbu, Adjuct Professor, ICT M	umbai
Dayl: 25 th February 2	2022 – Auditorium	
10.00am - 10.45am	Inauguration	
10.45am – 11.45am	Prof (Dr) Vijay Habbu (Adjunct Professor, ICT, Mumbai)	Key note address
11.45am – 12.45pm	Dr Nestu, Iba., ICT, Mumbai	Nanomaterials for Energy Applications
12.45pm – 1.45pm	Lunch Break	
1.45 pm – 2.30pm	Badma Shri, Dr. Amuradha, Bandwal, & Dr. Subhajit Mukherjee (Jal Shruahti Abbiyan)	Rain water Harvesting
2.30pm to 4.00pm	Workshop on Rain water Harvesting	
0.00am - 10.45am 0.45am - 11.30am	2022 - Conference Room Career in paramedical courses Prof (Dr.) Sangulkar Mr Javesth Vishwakarma	Hinduja Hospital Digital Tecnnology Liveline by in
		Mangroves
2.15pm – 1.00pm	Dr Shekhar Badaswale	Caroon circle in regenerative SRT method of Framing.
.00pm - 2.00pm	Lunch Break	WHITE CAN
2.00 pm - 2.30pm 2.30pm to 4.00pm	Dr Prachi, Redekar, Principal, SMT-CM, HMC	Riosanitizers Workshied
	33 3	
2.00pm	Scientific Poster competition	Botanical Garden

Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





On line session on importance of **Rain Water Harvesting** was organized on 3rd **February, 2020** to observe world water day by the Department of Botany under DBT Star College Scheme . **58 participants** have attended this session . The resource person for this program was Dr. Umesh Mundley, Director, OIKOS Private limited, Pune



4. Green Campus Initiatives:

Activities organized for Clean and Green Campus : Reuse of plastic bottles to propagate various vegetable and plants by NSS Students of the college



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Workshop on 'Rethink Plastic':

Awareness and sensitization workshop on Rethink Plastic organized by NSS Unit and MHRD Innovation Cell RDNC with support from National Service Scheme Cell, University Of Mumbai; TERI - The Energy And Resources Institute under The Aegis Of United Nations Environment Program (UNEP) on Monday, 3rd Feb, 2020 where 347 students from 36 colleges have particiapated.

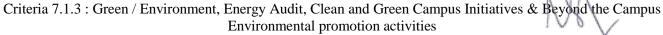




Ms. Saloni Goel, Consultant Plastic Pollution, UNEP Presenting her talk on COUNTER -MEASURES AGAINST MARINE PLASTIC LITTER



Group Photo of students for 'Rethink Plastic' Workshop











R.D. & S.H. NATIONAL COLLEGE & S.W.A. SCIENCE COLLEGE BANDRA WEST, MUMBAI - 50 ACTIVITIES 2019-20





RETHINK PLASTIC AN AWARENESS AND SENSITIZATION WORKSHOP

UNDER THE AEGIS OF

UNEF PROJECT ON PROMOTION OF COUNTERMEASURES AGAINST MARINE PLASTIC LITTER

ACTIVITY DATE: Monday, 3rd Feb, 2020 (TIME: 9.30 AM - 1.30 PM)

•	Students	participated:			
	M	167	F	18	

	F				
M	167	F	180	Total	347
Vumber	of Col	leges			36

- Venue: College Auditorium, R.D. and S.H. National College, Bandra (w)
- Nature of Program:
 - I. Inter-college Poster competition on Menace of Plastic Pollution II. University Level Workshop for Awareness And Sensitization on Menace Of Plastic
- Organized by: Organized By NSS Unit and MHRD Innovation Cell RDNC with support from National Service Scheme Cell, University Of Mumbai; TERI - The Energy And Resources Institute Under The Aegis Of United Nations Environment Program (UNEP)
- Resource Persons:
- Dr. Anjali Parasnis; Associate Director, The Energy and Resources Institute(TERI), MUMBAI
- Ms. Saloni Goel, Consultant Plastic Pollution, UNEP
- Ms. Shaila Sam Communications Specialist UNEP
- Brief Activity Description: Awareness and Sensitization Workshop for National Service Scheme (NSS) students of University of Mumbai was organized at Rishi Dayaram (RD) National College, Mumbai as part of the 'Rethink Plastic' Campaign under the aegis of UNEP PROJECT ON PROMOTION OF COUNTER MEASURES AGAINST MARINE PLASTIC LITTER. The workshop was attended, by 347 NSS students from 36 different colleges of Mumbai faculty members from R.D. National College and research staff from TERI . Following aspects related to plastic were covered at the workshop:
 - Creating awareness about plastic pollution.
 - Motivating youth to Influence communities to eliminate Single use plastic
 - 3. Carry out a perception survey and discussions with youth
 - Engaging communities and stakeholders with emphasis on youth

A lucid talk on Rethink Plastic Campaign was delivered by Dr. Anjali Parasnis. Associate Director, TERI. She explained How substaitfally increasing plastic pollution is damaging the mangroves. She enlightened the students How mangroves ecosystem support biodiversity and livelihood and play a key role in flood control, carbon sequestration and also help stabilise coastal erosion. She appealed youth to come forward and rasig awareness among communities to combat plastic pollution. She explained how the reuse and recycling of plastic can help in offsetting our carbon footprint. Dr. Parasnis comprehensively covered many other aspects also to highlithe extend of the problem of plastic pollution. Ms. Saloni Goel, Plastic B Consultant in UNEP also delivered a talk and interacted with the students workshop. She explained UNEP's role to driving research and action on the Bandra (W plastic waste specially it impact of marine ecosystems. She also explained mtent bai-50

Criteria 7.1.3: Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities

Measures project and its significance to enhance our understanding on sour

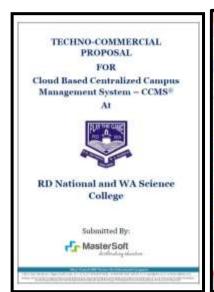
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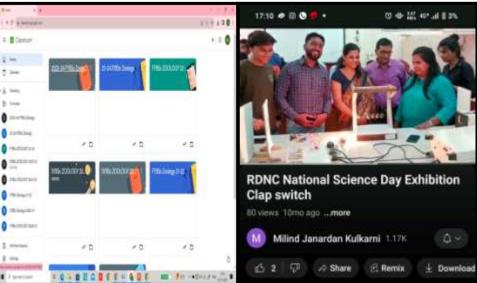
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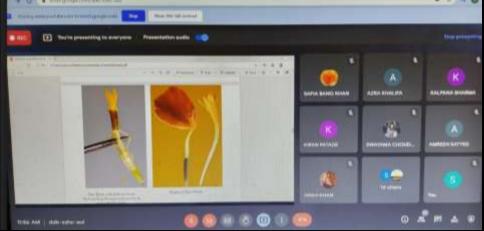


Cloud Based Centralized Campus Management System software to restrict use of paper thus minimization use of papers for internal communication. Lecture notes are sent to the students through LMS platform instead of paper based notes











Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Seminars on Sustainability (12 Jan 2019), College Social Responsibity towards Greener Campus (31 Aug. 2019) & Celebration of National Science Day (28 Feb., 2020)

R. D. & S. H. National College	
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(In collaboration with Sprouts annou	
One Day Conference on En	
	6/12/15
Dear Sir/ Medam	
The Nature Club of the college is organizing Sustainability in collaboration with Sprouts Envi in the Conference Room, R. D. National Co- students (UO: PO & Ph.D.), Research Schola etlend, this conference.	ironment Triut, Mumbai on 12 th January, 2020 ollege, Bandra (West), Mumbai 400050 Any
The aim of the conference is to understand management, and the effects of global climate to utilize business as the catalyzing force behin financial success can be tied to ecological and so	change. We also aim to discuss if is it possible nd this change? What if we admowledge that
The broad topics that will be discussed during this Maharashtta The Conservation V/2 Debetween Technology, Anthropology & Econology, Californology, Grantpropology & Econology, Californology, Grantpropology & Econology, Californology, Grantpropology, G	evelopment Dilemma - On the crossroads y; Environmental Planning, Sacred Groves ectual Property Rights , Citizen Science
The registration fees for this said conference i Registration kit, Breakfast, Tea and avoiding lunc	is as follows. (It includes expenditure for the ch.)
Ra. 500/- for UG/PG & Ph.D. students, Research Ra. 750 /- for Spot Registration for all participant	
Participation certificate will be given to all parti	icipants
Total number of seat is 100. Registration wi Interested candidates are requested to send duly (non refundable) by 21" December, 2019. Spo of seats.	filled registration form and registration fee:
The registration fee should be sent to the Nat Bandra (W.), Mumbai 400050 on or before 21" I	ture Club, R. D. & S. H. National College December 2019
Contact Persons.; Mr. Nikhil Disoria / Dr. Suchs Ot. Sht. Anand Pendharkar (sproutsonline@gmai	
Looking forward to your participation. Thanking you,	
All all	46(3)
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Convener,	Organizing Secretary

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Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





To sensitizes students about various aspects of Nature we celebrate environmentally important days such as World Water Day, Earth Day, Mangrove Protection Day, World Biodiversity Day, Vanomashotav, etc every year.





Information Poster Created during Mangrove Protection Day, 26 July 2021



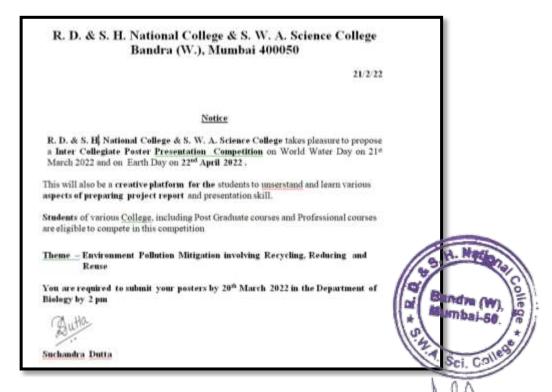






Rhizophora apiculata Blume, Asiatic Mangrove (Rhizophoraceae) –An evergreen tree; distinguished by its acute leaf-tip, 2-flowered inflorescence, glabrous petal-lobes and 12 stamens of flowers. Its wood forms a potential source of tannin and finds application in plywood, adhesive, dye bark, cellophane, rayon, ferroalloys, cellulose acetate industries and as a substitute for petroleum coke for calcium car-bide, besides being used as fuel-wood and in medicines; its leaves are used as fodder. The intricate stems with several stilt-roots are effective as tide breakers and check land run off and form an ideal niche for several faunal species. This tree is photographed at Nivti, Dist. Sindhudurg, Maharashtra. (Project is sponsored by the Mangrove Foundation, Mumbai)

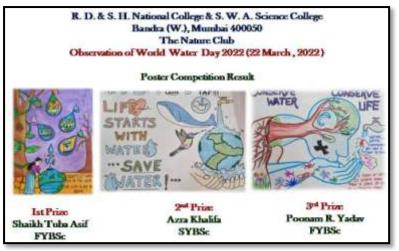
Celebration of Environmentally important days in College

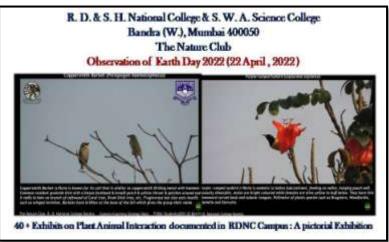


Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities













Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Medicinal Herb Plantation initiative to celebrate Vanmahotsav 2021:

R. D. & S. H. National College & S. W. A. Science College Bandra (W.), Mumbai 400050 The Nature Club

12/03/2022

Medicinal Herb Plantation Initiative

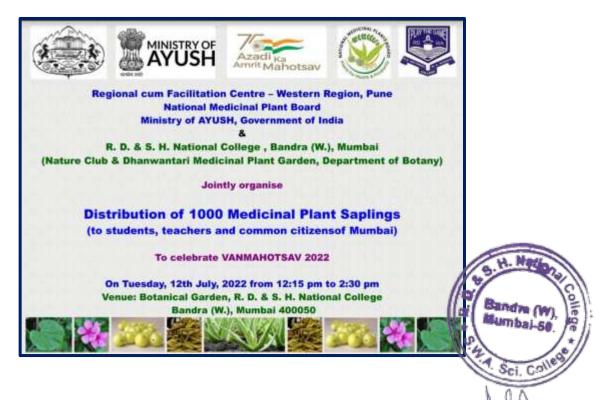
The Nature Club in association with the Department of Botany has organized a Medicinal herbs plantation drive to celebrate <u>Vanmahotsay</u> 2021.

Principal Dr. Nehn Jagfiani has consented to kick start the event. Interested faculty members and support staff are requested to remain present to plant medicinal berbs in newly proposed medicinal plant garden.



Suchandra Dutta Convener, The Nature Club





Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities













Session on **generation of electricity from compost** through Solid Waste Management was organized on 11th September 2019. 133 students and 15 faculty members have attended the session. Smt. Nirmala Kandalgaonkar, Proprietres Vivam SWM private Limited, Pune



Instead of floral bouquet, college prefers to **gift saplings and other merchandise**, **such as Vermicompost**, **Terrarium**, **Herbal products** which are prepared by our students





Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities

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QR coding of plants on the campus:





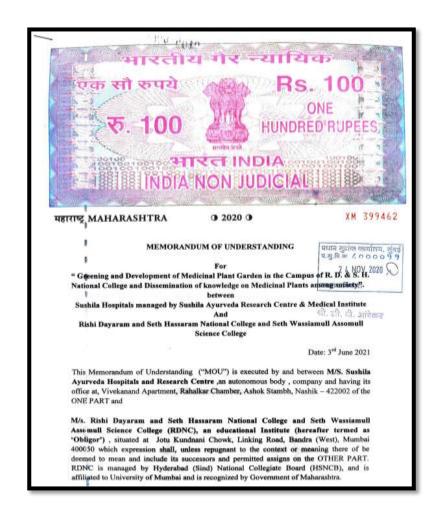
MoU signed on 3rd June 2021 between R. D. National College and with Sushila Ayurveda Research Centre, Nashik for development of Medicinal Garden and dissemination of knowledge (5 years)



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities







Botanical Garden: Green Landscaping with tree and plants.









Environmental promotion activities





Harvest from Botanical Garden : Aromatic turmeric leaf, Coconut, Mango ginger, Banana, Long pepper









Students of other colleges, plant enthusiasts, experts, etc. also visit the medicinal plant garden and Botanical garden for learning horticulture, medicinal botany, economic botany and plant taxonomy.

Till date ca 325 students of Botany, Chemistry, Marketing, Humanities faculty from 7 different colleges and personnel from Pharmaceutical and nursery; researchers of International Repute and Tour guides visited the garden









Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





5 yearly Tree census of the college campus (using Etrex20) and calculation of ideal carbon sequestration rate by each tree in the campus carried out by the student.

R. D. & S. H. National College & S. W. A. Science College Bandra (W.), Mumbai 400050 Department of Botany

12/03/2022

Notice for Tree Census in College Campus

The Department of Botany undertakes Tree Censis in and around the college campus once in every 5 years. Previous census was carried out in 2027-28.

On 21st March 2022, the department plans to begin the census work. Selected students of FY & SYBSc Botany will be a part of it. They will be counting and numbering every tree in the campus, assess the health of the tree and compare the result with previous census report.

Students will report for the instruction cum training session in the garden on Monday, 14th March 2022 at 10am.

Sutta

Suchandra Dutta Incharge, College Garden

Botany students conducting tree census





Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities

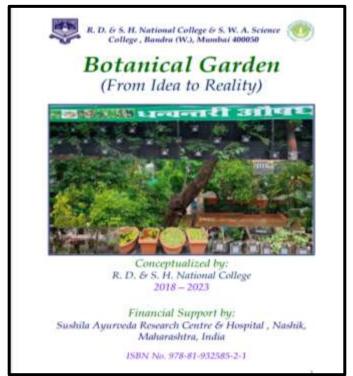




The College Tree Census document: 102 trees from the campus are documented during the census. Every tree is numbered. DBH and exact location of trees in the campus (using eTrex 20) are recorded. Ideal carbon sequestration value (in kg.) by every tree is calculated.

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Booklets on plants of National College with information about 407 species growing in the campus



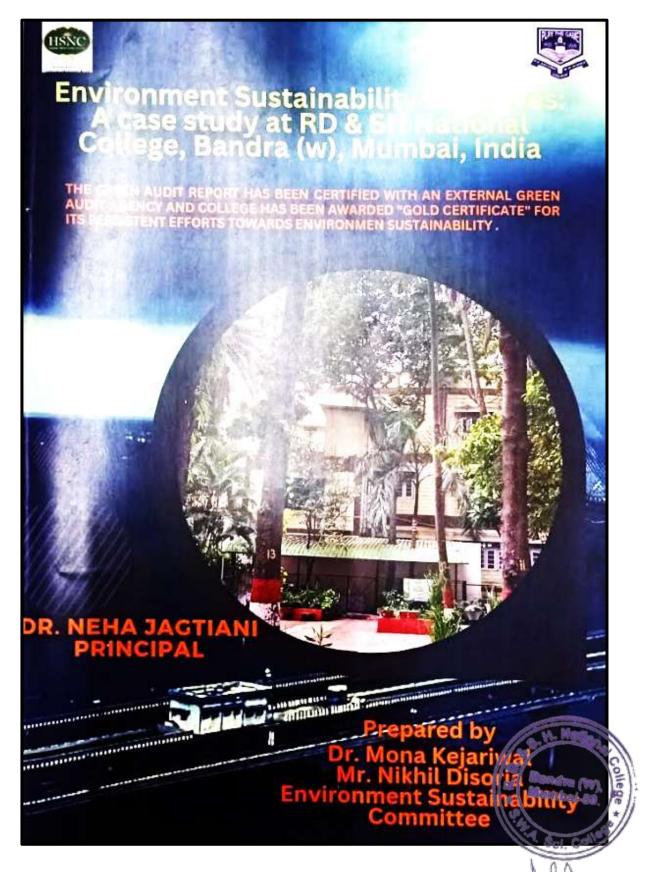


Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities





Sustainability initiatives booklet



Criteria 7.1.3 : Green / Environment, Energy Audit, Clean and Green Campus Initiatives & Beyond the Campus Environmental promotion activities