7.1.3.: Green Campus Initiatives

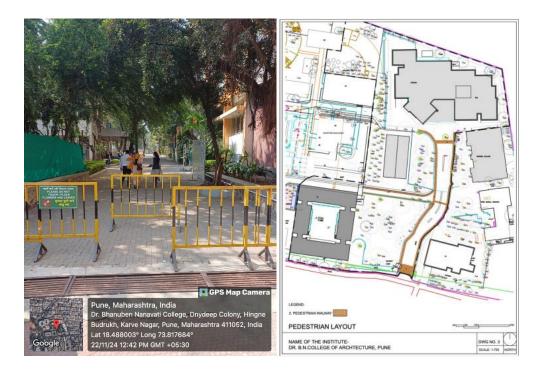
BNCA commits to sustainability and the efforts are reflected in various activities and programs aimed at reducing waste, conserving energy, and enhancing green spaces. From tree plantation drives to waste management programs, these efforts improve the campus environment and help instill a sense of responsibility among students, staff, and the community. Through these activities, the college aims to serve as a model for sustainable practices, inspiring stakeholders to adopt eco-conscious habits in their daily lives. BNCA's Environmental Department and Landscape Department regularly organize many activities and events on the campus to ensure the maintenance of a clean and green campus. Treeplantation drives are undertaken each year to increase the green coverage on the campus. A QR code was implemented on campus to promote awareness of the importance of trees in urban ecology and biodiversity in an educational campus. BNCA organizes various awareness drives about energy and water conservation, plastic pollution, climate change, global warming, climate resilience, and carbon footprint. A 'Sustainable Development Goal' hub was established in BNCA to give our contribution to the 17 Sustainable Development Goals (SDGs) set by the UN. This Hub enables and provides the students, who are passionate about making a change, a platform to fulfill their part towards the betterment of society.

• Ban on single-use plastic – BNCA strictly implements the ban on disposable plastic and thermocol usage on the campus. Steel plates, Paper plates, and cups are used in the canteen.



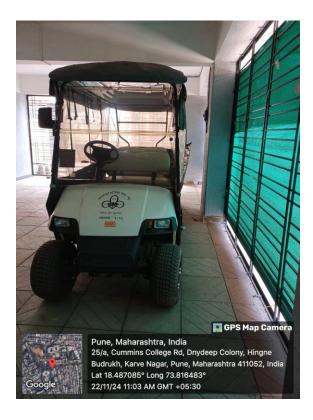
Plastic ban signages throughout the campus

• **Restricted Vehicular traffic** - Vehicle traffic on campus is limited to the main entry road and parking lots. The campus is pedestrian-friendly, with well-defined walkways throughout. The campus provides a secure and beautiful setting for walking and participating in outdoor educational activities.

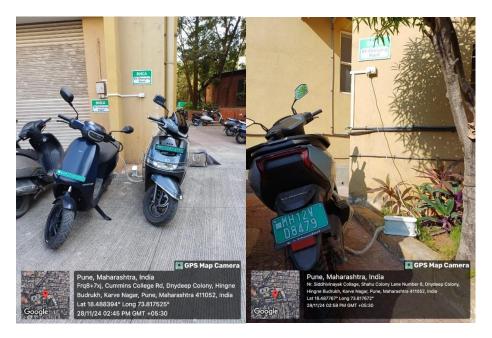


Vehicle free safe pedestrian pathways.

• An Electric cart is used regularly for campus transportation.

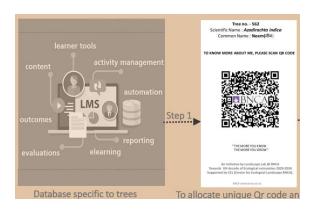


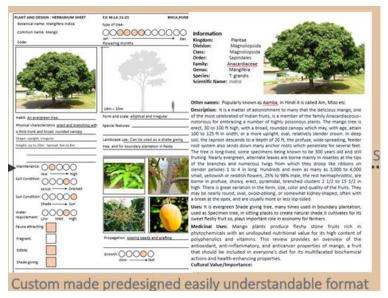
• BNCA has provided 4 charging points for electric vehicle charging for staff and students to encourage using EV for commuting to college.





QR coding of campus trees- Separate unique QR codes and URLs are developed for
individual trees giving information about that tree at a single click. The project aims to
promote awareness of the importance of trees in urban ecology and biodiversity in an
educational campus and to spread information about trees in society with the use of easy and
effective technological mediums.









• Tree Plantation Drive

i. The NSS team of BNCA organized a tree plantation activity on 15th Aug 2023. Enthusiastic participation from the students and the staff not only added greenery to the campus but also instilled a sense of unity and responsibility towards the environment among the participants.



ii. 'Environment Week' was celebrated from $3^{\rm rd}-7^{\rm th}$ June 2024 by organizing a tree plantation drive on the MKSSS campus ahead of World Environment Day. The students planted indigenous plant varieties on the campus as their contribution to safeguarding the environment.



• Cleanliness Drive – 03-10-2023

The NSS team of BNCA organized a cleanliness drive on the 3rd of October 2023. The event not only promoted a sense of responsibility and ownership among the students but also fostered a collective spirit of cleanliness within the college premises



Swachhata Abhiyaan - 01-10-2024

The BNCA NSS team organized 'Swachhata Abhiyan to mark Mahatma Gandhi Jayanti 2 Oct 2024. The Objective of this Event was to emphasize the importance of Cleanliness amongst students and staff. 30 students along with the MKSSS-BNCA Swachata Karmachari, cleaned the premises and also collected Plastic waste.







'Wood waste workshop'

The wood waste workshop was organized at BNCA to instill awareness of sustainable material use in design and to demonstrate the potential of upcycling waste materials in architecture and interior design. Students gained hands-on experience in woodworking and material reuse. The workshop successfully demonstrated how waste materials could be transformed into valuable products.



• Workshop - 'Know your Carbon Footprint'

The Department of Environmental Architecture in association with the 'Goethe Institute, organized a workshop on 'Know your Carbon Footprint' at BNCA on the 'World Energy Conservation Day' on 14th Dec 2022. The workshop helped the students understand how to calculate their personal carbon footprint and how they can reduce the same by making sustainable choices and modifications in their lifestyles.

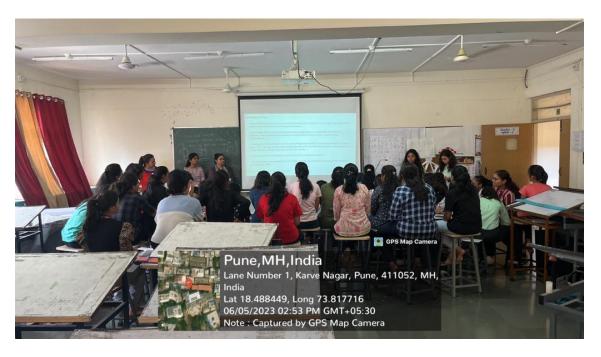






• Environment awareness drive

World Environment Day – The Department of Environmental Architecture carried out an awareness drive to educate students about the serious problems due to plastic pollution. Students were encouraged to take a pledge to not use disposable plastic bottles and to carry cloth/paper bags.





• Webinar Series (9, 16, 23 April 2021)

Towards low-carbon climate resilience: how architects can deliver change

The Department of Environmental Architecture and Planning, BNCA in collaboration with the Indian Network on Ethics and Climate Change (INECC) and LAYA recently kicked off its Online Webinar Series on How Architects Can Deliver Change under its Towards Low-Carbon Climate Resilience initiative. The three-part online series is conducted to increase awareness about sustainable architecture, its impact on the environment, and climate change.



• Clean Air for blue skies webinar (4th Sept. 2021)

International Day of Clean Air for blue skies



World Water Day 22 March 2021



• International Ozone Day – 16 to 23 September 2020 Awareness Drive



• World Environment Day 5 June 2019 – E-waste Collection Drive



• National Symposium on Sustainable Development

On 4th October 2022, a national symposium was held in BNCA on the topic of Sustainable Development. It consisted of two-panel discussions on the topics of Youth Action & SDGs and Current Challenges and SDGs.



Event 03 | 19 Nov. 2021

Climate change and COP 26

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By Prachi Shevgaonkar

BNCA had invited a speaker named Prachi Shevgaonkar, who is a communicator, climate entrepreneur, and the founder of an awardwinning startup 'Cool The Globe' - an app that enables common people to reduce their greenhouse gas emissions. It has over 10,000 users with a presence in 55 countries across the world and is burgeoning into a citizen-led movement for climate action.

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Prachi spent months covering stories of youth, farmers, waste picker communities, and citizen groups to understand the impact of climate change on the day-to-day lives of people. She firmly believes that when ordinary citizens come together, miracles can happen. The ethos behind the app is to make climate action achievable, simple, and quantifiable, and to empower individuals to take small but consistent measures to contribute to surmounting climate change.



"We don't have to engage in grand, heroic actions to participate in change. Small acts, when multiplied by millions of people, can transform the world."

- Howard Zinn



SUSTAINABILITY FACTS/ NEWS



According to a report by the International Energy Agency, solar power is set to be the number one power source by 2050



In the last 170 years, we added 2.4 trillion tons of Carbon Dioxide into our atmosphere. Half of this was added in the last 35 to 50 years.

















Event 05 | 04 Dec. 2021

Project Agroscape

By Millennium Fellows and SDG Student Hub

Millenium fellows worked on project Agroscape. This project was taken ahead by the SDG student hub. The pandemic has shown the rise in concern over food security and interest in To start with, urban farms healthier diets.

Thus, it has become crucial to develop ecologically sensitive urban landscapes which integrate food than just aesthetics.

To put this concept into practice, urban farming in the form of edible landscapes can be done at the home, institute, and corporate levels. were developed within campus encouraging participation among various students, faculty, and parents.

"Sustainability is no longer about doing less harm. It's about doing more good."

- Jochen Zeitz































Event 07 | 22 Jan. 2022

Stepwell Campaign S-Talk

By Rohan Kale

The state of Maharashtra has thousands of step-wells, if revived, they could become an excellent source of water for drinking and domestic use for people in rural areas. And the first step to doing this is to map and document all. With this goal in mind, Rohan Kale and his team have set out on a journey to explore the historic step-wells in Maharashtra and have mapped 1600+ step-wells so far.

To have a piece of explicit knowledge about this campaign, Rahul Kale was invited as the speaker to put light on the conservation of step-wells through people's participation in Maharashtra Stepwell Campaign.





SUSTAINABILITY FACTS/ NEWS



Scientists Show That at Least 44 Percent of Earth's Land Requires Conservation to Safeguard Biodiversity and Ecosystem Services.



Many plastics that are labelled as biodegradable are only compostable under industrial conditions, but scientists at the University of Bath have now found a way to make plastics break down using only UV light.

















