

DECEMBER 2022

INSIGHT

A BNCA NEWSLETTER

BNCA
MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
DR. BHANUBEN NANAVATI
COLLEGE OF ARCHITECTURE
FOR WOMEN
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BNCA Pune



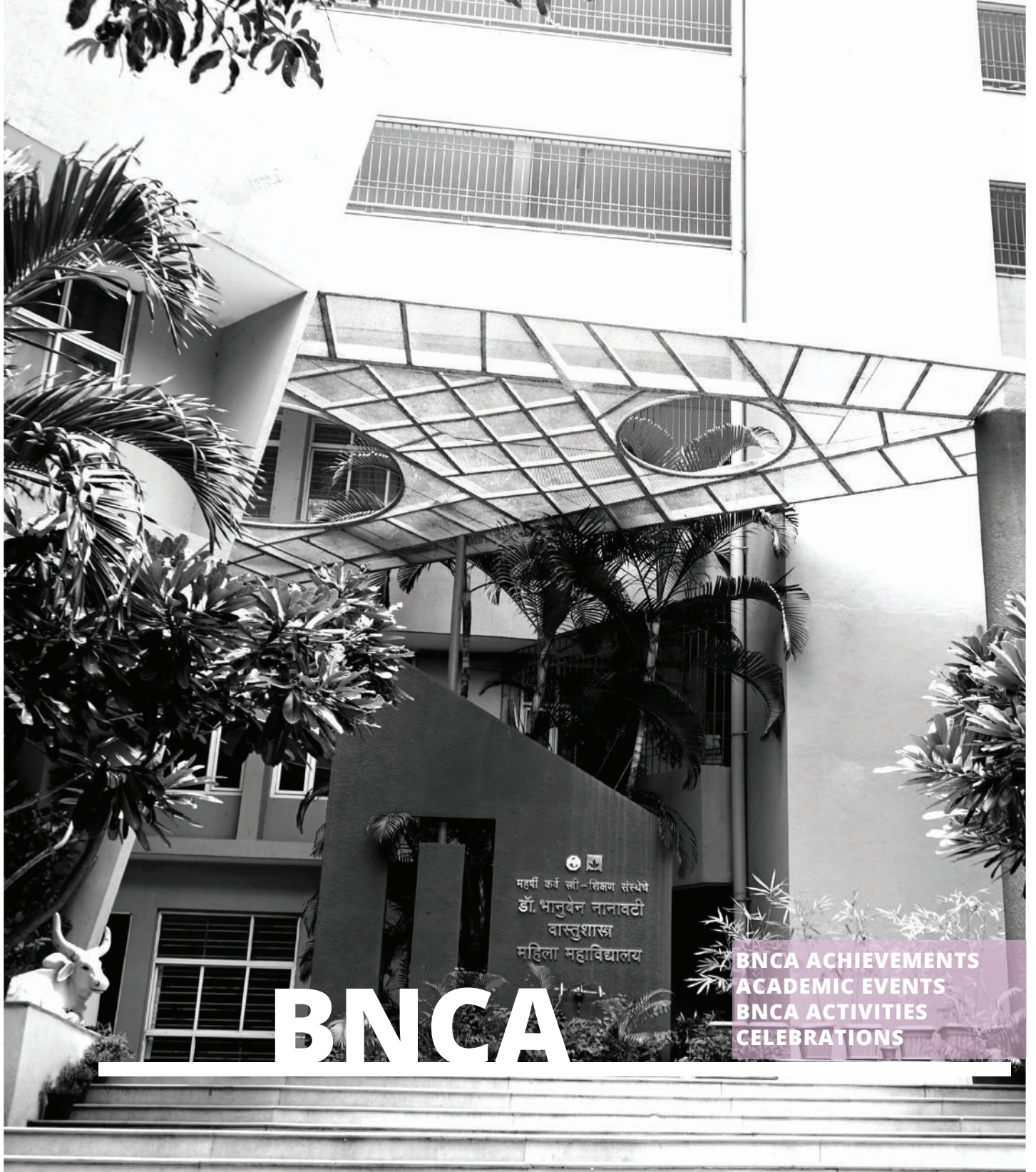
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BNCA

BNCA ACHIEVEMENTS
ACADEMIC EVENTS
BNCA ACTIVITIES
CELEBRATIONS

BNCA

BNCA hosts Teachers Training Program on Art in Architecture with Council of Architecture

BNCA successfully conducted a COA-TRC Online Training Program "Art in Architecture: An interdisciplinary Perspective and its Application in Architectural design" from 12th Dec to 16th Dec 2022 coordinated by Dr. Sanjeevani Pendse and Prof. Amruta Barve of BNCA.

There were 47 registered participants. The aim of this program was to explore the intrinsic qualities of different art forms from the architectural perspective and explore the inter-relationship between Art and Architecture.

The Key note address was by Dr. Anupam Mahajan, Professor, Faculty of Music and Fine Arts, Delhi University. The opening session was on Introduction to Art in Architecture by Dr. Sanjeevani Pendse, Assistant Professor, BNCA, Pune followed by 'Craft and Architecture' by Jui Tawade, Architect, Industrial and fibre artist, Pune.

Ar. Trivikram, Associate Professor at MSAP, MAHE, Manipal spoke on 'Culture, Rituals and Places' and Dr. Kiran Keswani, Architect and planner, Co-Founder- Everyday City Lab, Bengaluru spoke on 'Decoding city culture : Reading neighbourhood through citizen stories'.

'Music as stimulant for creativity' was elaborated upon by Dr. Prajakta Baste, Principal, N.D.M.V.P. Samaj's College of Architecture, Nashik. The session on Music and Architecture was conducted by Dr. Sanjeevani Pendse, the program co ordinator. Dr. Roopali Kavilkar, Professor and Head of Department of Architecture, Gogte Institute of Technology, Belagavi spoke on 'Art forms in urban settings' and Ar. Maithili Nagarkatti, practicing Architect at Bengaluru, spoke on 'Art in Interior design'.

 Dr. Anupam Mahajan Professor, Faculty of Music and Fine Arts, Delhi University		
Key note address		
 Ar. Rajiv Mishra Principal of Sir J.J College of Architecture at University of Mumbai	 Prabhakar Kolte Artist (Painting), Mumbai	
Urban Arts Commission	Painting and Architecture	
 Dr. Kiran Keswani Architect and planner, Co-Founder- Everyday City Lab, Bengaluru	 Dr. Roopali Kavilkar Professor and Head of Department of Architecture, Gogte Institute of Technology, Belagavi	
Decoding city culture: Reading neighbourhood through citizen stories	Art forms in urban settings	
 Ar. Maithili Nagarkatti Practicing Architect, Bengaluru	 Dr. Prajakta Baste Principal, N.D.M.V.P. Samaj's College of Architecture, Nashik	
Art in Interior Design	Music as stimulant for creativity	
 Ar. Tejashree Natu Practicing Architect, Bangalore	 Dr. Sanjeevani Pendse Assistant Professor, Dr. Bhanuben Nanavati College of Architecture for Women, Pune	
Dance and Architecture	Introduction to Art in Architecture Music and Architecture	
 Ar. Smrita Ogale Assistant Professor, Bhanuben Nanavati College of Architecture for Women, Pune	 Ar. Jui Tawade Architect, Industrial and fibre artist, Pune	 Ar. Trivikram Associate Professor at MSAP, MAHE, Manipal.
Rhino modelling	Craft in architecture	Cultural rituals and places

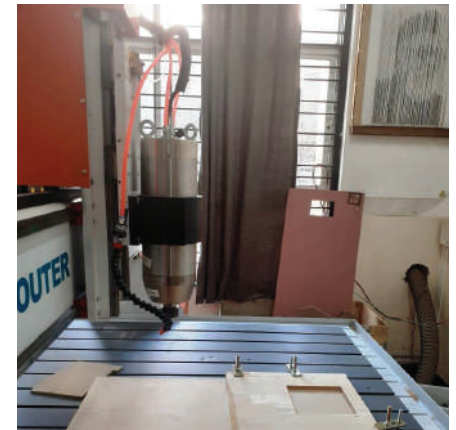
Ar. Tejashree Natu, an alumni of BNCA, spoke on 'Dance and Architecture' while Prof. Amruta Barve spoke on 'Decoding literature for landscape signatures'.

The last day opened with a session on Parametric modelling by Ar. Smrita Ogale, Assistant Professor, BNCA Pune.

The participants got good insights on the concepts and characteristics of different art forms and also submitted their design sketches based on Art in Architecture.

New 4 axis CNC machine operational at Digital Fabrication Lab BNCA

Our newly procured 4 axis CNC machine is an all in one machine for subtractive fabrication that can cut non ferrous metals, wood/wood composite and Aluminium composite.



Cutting and milling arm of the 4 axis CNC machine

The subtractive operations that can be done on the machine are 3D milling, 2D cutting and Rotary milling operation. (Lathe operation) Engineers from the machine vendor conducted a training session for BNCA faculty and Fab lab technicians.



Samples of milling of variable depths



FACULTY ACHIEVEMENTS**BNCA M.Arch Environmental Architecture Department signs MoU with Durocrete Lab**

Signing the MoU with Durocrete

Durocrete is one of the leading construction material testing labs in India. BNCA M.Arch Environmental Architecture Department signed an MoU with Durocrete Lab on 12th Dec 2022.

As per the MoU, our B. Arch and M. Arch students can avail technical support for material related research, get discount on material tests, visit their labs and understand processes, can work on collaborative research projects, internships and we can organise technical workshops etc.

Dr. Sujata Mehta Keynote speaker at Bamboo conference

Dr. Sujata Mehta delivering the keynote address

Dr. Sujata Mehta, Professor at BNCA, was invited to deliver the keynote speech at the Architects Conference organised by Bamboo Society of India and Council of Architecture on 9th and 10th December 2022. Prof. Sayali Andhare, Assistant Professor at BNCA, a bamboo specialist, was a part of the organising Team for the Conference.

BNCA faculty Dr. Avanti Bambawale presents a paper at the IIPA National Convention New Delhi

Indian Institute of Public Administration (IIPA) and Centre for Urban Studies (CUS) under the aegis of Ministry of Housing and Urban Affairs, MoHUA India, had organized a National Convention on "People Centric Urban Governance in India".



Dr. Avanti Bambawale, Professor at BNCA, Dr. Anurag Kashyap, Principal, BNCA and Dr. Avinash Gaikwad, CEC. P.M.C. presented a paper on "Developing Sidewalk Assessment Tool: Towards Evaluation of Pedestrian Environment in Urban Areas" in the conference.

The convention was inaugurated by Dr. Jitendra Singh, Hon'able Union Health Minister and IIPA Chairman, Shri S.N. Tripathi, IAS, Director General, IIPA, Shri Manoj Joshi, IAS, Secretary, MoHUA.

The session of paper presentation was chaired by Dr. D.S. Meshram, President, Institute of Town Planners, India.

Dr. Avanti's research paper is selected for publication in NAGARLOK, a UGC approved journal of MoHUA, Government of India.

BNCA Research Hub News

BRH Guest mentor Dr. Parag Narkhede conducted a hands on workshop on 'Writing a research paper focusing on time efficiency and effectiveness' on 20th Dec Tuesday at BNCA from 3pm to 5pm.

Prof. Dhruv Chandwania's PhD defense on 8th Dec 2022

Dr. Dhruv with Dr. Natu and Dr. Narkhede

Prof. Dhruv Chandwania's open defense was conducted on Thursday 8th Dec 2022 at 11.00 AM on Zoom meetings in the Seminar room at BNCA.

His thesis title was "Investigating the associations between the 'physical characteristics' and 'risks and benefits' of public open spaces in urban residential developments : A focus on children". Prof. Dhruv was guided by Dr. Abhijit Natu.

Bhaubeej Collection by BNCA staff Shilpa Pathak and Harshada Gadgil

BNCA Administrative Staff Mrs. Shilpa Pathak and Mrs. Harshada Gadgil collected Rs 3.5Lakh and Rs 1 lakh Bhaubeej respectively for this years Bhaubeej collection activity for the Samstha. They were felicitated by Dr. Kashyap in the HOD meeting on 21st-Dec 2022. Mr. Mahendra Wagh,



Mrs Shilpa Pathak felicitated in HOD meeting Content writer, MKSSS and Mrs. Priya More, Teacher, Mahilashram High school, MKSSS were felicitated in the BNCA HOD meeting in recognition for for the apt name "Kanyartha" and for Priya madam's lucid compering of the Bhaubeej function.

STUDENT ACHIEVEMENTS

BNCA M.Arch Environmental Architecture students secure First prize in National Level Competition



Student Suvarna Kulkarni receiving the award

M.Arch second year students, Suvarna Kulkarni and Mrunal Joglekar won first place in the National Competition 'Solutions for Carbon Neutral Campus' organized by IIM Kozhikode's Centre for Climate Studies.

The team presented a report on the carbon emission calculations of MKSS's Karvenagar Campus and the measures undertaken by the institute to reduce the carbon emissions. Thesis data of former students, Akanksha Shende and Monika Kotariya was incorporated in the report. The report also included setting realistic short-term and long-term goals for reduction in emissions and proposed action plan to achieve the set goals.

The team was mentored by Prof. Prajakta Kulkarni of Environmental Architecture Masters department.

BNCA student Sakshi Yerne bags GOLD Medal at the Baya Karve Marathon

Student Sakshi Yerne of 4th year B.Arch, BNCA bagged the GOLD Medal at the Baya Karve Marathon in the age group of 15-25. (Open marathon)

Sakshi's mother, Mrs. Vandana Yerne bagged the 2nd prize at the Baya Karve Marathon in the age group of 36-50 Years.



Sakshi(center), Mrs. Vandana Yerne and others with Prof. Umesh

BNCA students win Bamboo Architecture Design Competition

The Bamboo Society of India and COA held the Bamboo Architecture Design Competition in connection with the Architects Conference held on 9th and 10th of December 2022, and Miss. Sakshi Lanjewar, a fifth-year C Div student at BNCA, won the First Prize for the same.

A cash prize of Rs. 10,000 was awarded to her.

Miss. Dhanshree Yadav a student of M. Arch. EA came in third place and won Rs. 3000 as award.



Sakshi receiving the award from Ar. Neelam Manjunath



Dhanshree receiving the award from Ar. Neelam Manjunath

BNCA students win funded travel scholarship for conference at IIT Roorkee

'Investigating the causes of transportation bottlenecks: A case study in the city of Pune' by Samruddhi Purohit 4th Year B.Arch and 'Patterns of Urban Transformation of Pune City: A Case of 30 years' by Urja Shah of 4th year B.Arch, both guided by Dr. Amruta Garud have been accepted for Oral Presentation at the 'Global Center of Spatial Methods for Urban Sustainability' India Conference 2023 that will be held on-site at the Indian Institute of Technology Roorkee (IIT Roorkee, India) in February 2023. Both of them have been awarded a funded travel scholarship (by air to the nearest airport + accommodation) and an opportunity to attend a two-days Method Course at the conference.

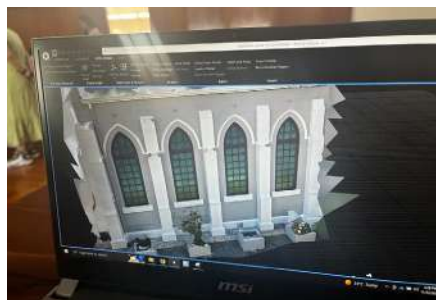
BNCA entry gets selected at Zonal level Avishkar 2022 Research competition

One Bnca entry got selected at zonal level Avishkar 2022 research competition. The Entry was presented by student Shriya Bhaiyya - M.Arch Landscape Architecture first year student. She was guided by Prof. Neha Adkar, Dr. Chetan Sahasrabudhe and Umesh Chavan Sir.

The project was about providing information about trees in campuses through QR code technology with in-house LMS system. Acknowledgements to the contribution of Dr. Shubhada Kamlapurkar for all the coordination efforts and Prof. Sayali Andhare and Prof. Nidhi Dixit for their help.

There were around 1000 entries from all over Maharashtra for this level with around 250 colleges under SPPU participating in Avishkar 2022.

UNAI - South Africa visit



Using the Lidar scan and Meshlab Tool

The tour started with a workshop on “Capturing spatial data by photogrammetry for scanning and documenting Architectural Heritage” conducted on 21st & 22nd November 2022.

Students were taught the latest technologies of documentation through digital techniques. Real life scenarios were shown to them through case studies, models and hands on training.

The purpose of the workshop was to inculcate a practice of using open source tools for documentation and explore the idea of using GIS, drones, 360 degree cameras and lidar machine to scan heritage buildings.

24 students from BNCA were part of the workshop. It was planned by Prof. Asmita Divekar and Prof. Emeritus Dr. Heinz Ruther (Cape Town University and founder of Zamani Project) and a team of experts Mr. Bruce McDonald, Mr. Ralph Schroeder and Mr. Roshan Bhurtha.



360 Degree camera-Immersive experience, with participants of the workshop

The students called on Mrs Anju Ranjan, Consul General of India at Johannesburg and celebrated Samvidhan Diwas and shared their experiences of the workshop.

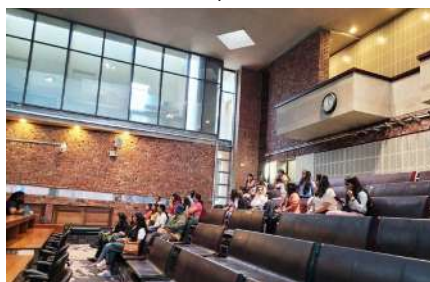
The students also visited Pretoria



At the Apartheid Museum

University to look at their work and the possibility of joint initiatives. Prof. Crisna and her team presented some of their work on Digital Twinning of neighbourhood - Open real time digital model to help city officials.

The University conducts an intensive 6-week program across 3 streams – Architecture, Geoinformatics & Civil / mechanical Engineering. This team works together on the digital twinning model, facilitated by faculty team and Industry mentor.



South Africa Court at Johannesburg

The students visited Cape Town University to understand collaboration prospects with geo – informatics and Architecture vertical of the university with facilitation of Dr. Heinz.

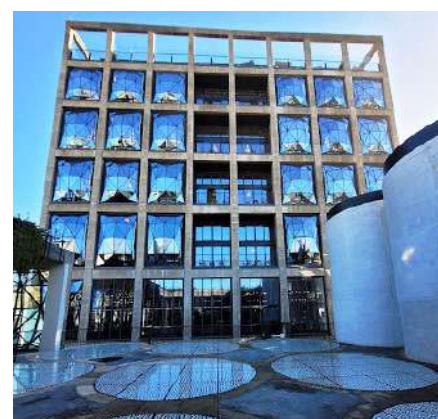
The students also visited the Apartheid Museum, Constitutional Court of South Africa at Johannesburg, and Zeitz Museum of Contemporary Art, Africa, an example of Building Reuse & Design.

The museum building is a conversion of the 57m tall historic Grain Silo, originally built between 1921- 1924 by indentured laborers.

The architects, Heatherwick Studio, aimed to conserve and celebrate the original structure’s industrial heri-

tage, while simultaneously excavating large open spaces from the 42 densely-packed concrete cylinders from which it was comprised.

Overall, the 9,500sqm museum consists of nine floors with 6,000 sqm of dedicated exhibition space and a sculpture garden on the lower roof, a restaurant, retail shops and coffee shop. The upper part of the building operates as The Silo Hotel.



Zeitz Museum of Contemporary Art

A variety of concrete-cutting techniques was used to create a number of galleries and a large central atrium.

From the exterior, the most noticeable change to the original structure was the addition of pillowed glass panels on the building’s upper floors.

Expert Session by UNFCC Hub BNCA - Ar. Pedro Ortiz

An online Expert Session was organised by UNFCCC Hub at BNCA on Friday, 16th December 2022 from 4.30 to 5.30pm.

The speaker was Ar. Pedro B. Ortiz from Madrid, Spain. He is an Independent Consultant to the European Union, UN-Habitat, World Bank and the founder of International Metropolitan Institute, Madrid. He presented on the topic “Introduction to Metropolitan Planning : Potential of Indian Metropolitan Cities.”

BNCA ACTIVITIES

Vruksha Maitrya - A Tree Walk by Landscape Architecture Dept BNCA

Vruksha Maitrya - A Tree Walk, was conducted by the Landscape Architecture Dept BNCA and organized by Max Muller Bhavan. The Tree walk was inspired by the exciting exhibition "Critical Zones".

It was conducted on 15th Dec at MKSSS Campus from 8am to 10pm, with 15 participants including students of first and second year B. Arch.

The 120 year old campus of Maharshi Karve Samstha has a mix of native old trees and new planted trees which gives a special character to the campus. This tree walk was an introduction to the campus' trees, their character, functions, importance and characteristics.

The legacy of the campus trees and the Philosophy of Maharshi Karve and Baya Karve was linked through this MKSSS campus walk and tree walk as the participants visited the heritage structure of 'Anna Kutir', 'Samadhi' and 'Karve Museum'. The resource persons were Prof. Neha Adkar and Prof. Kshitija Kolhatkar.



Tree tagging with the help of the participants



Tree walk ends at Maharshi Karve museum

DAY CELEBRATIONS

International GIS Day on 16th November 2022

Dr. Amruta Garud, mentor of the Bhumi GIS Research Lab at BNCA, conducted a GIS Awareness Mapathon from 21st to 24th November, to celebrate the International GIS Day. In this mapathon event, three focused sessions on introduction to Geographic Information System (GIS), spatial data mapping collection techniques, and GIS tools for spatial data visualization were conducted for the registered 19 masters students of BNCA. This event was featured on the Environmental Systems



In class during the Mapathon

Research Institute's(ESRI) International website.

The ESRI has awarded five ArcGIS annual licenses and five Story Maps annual licenses to the Bhumi GIS Research Lab at BNCA to encourage mapathon efforts. Two students from M.Arch Environmental Architecture, namely Ar. Yashashree Gogate and Ar. Namrata Khatri have been awarded in this mapathon for their remarkable performance. This mapathon was encouraged and supported by Dr.Kashyap, Dr. Sujata Karve and Dr. Swati Sahasrabudhe.



The Bhumi Lab Logo

BIRTHDAY CELEBRATIONS



Prof. Anupama Khatavkars Birthday 13th Dec



Prof. Sourabh Marathe's Birthday 25th Dec



Bhimashankar Patil's (IT Dept) Birthday



IT Head Umesh Chavan's Birthday



Prof. Nidhi Dixits Birthday

Wishing Everyone
"A Happy New Year"

from the Newsletter Team
Prof. Smita Ogale and students

Celeste Thomas
Shreshtha Lodhi
Tanu Khurana

Annette Reuben
Gautami Dakawale