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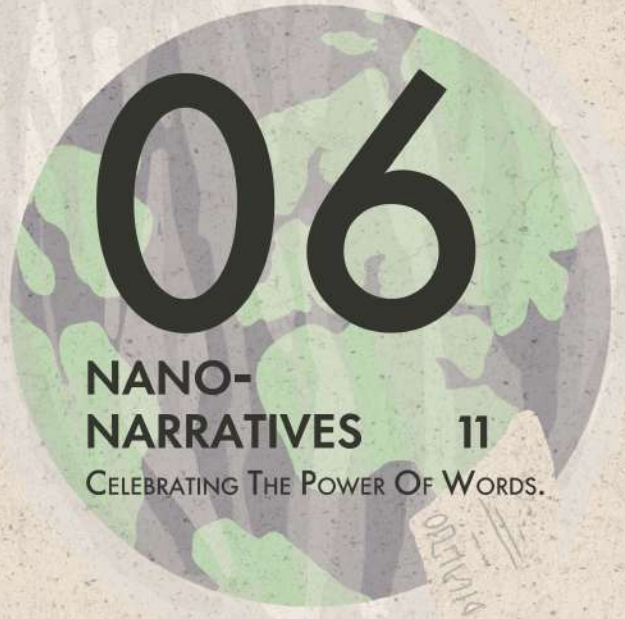
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EDITOR'S NOTE



THE EYES OF ALL FUTURE GENERATIONS ARE UPON YOU. AND IF YOU CHOOSE TO FAIL US, I SAY – WE WILL NEVER FORGIVE YOU.

-GRETA THUNBERG

CLIMATE CHANGE IS HAVING A SIGNIFICANT IMPACT ON ARCHITECTURE AND THE BUILT ENVIRONMENT. AS THE PLANET WARMS, CITIES AND BUILDINGS FACE NEW CHALLENGES, SUCH AS INCREASED FREQUENCY OF NATURAL DISASTERS, RISING SEA LEVELS, AND MORE INTENSE HEATWAVES. ARCHITECTS AND DESIGNERS MUST RESPOND BY CREATING RESILIENT AND ADAPTIVE BUILDINGS THAT CAN WITHSTAND THESE CHANGES AND MINIMIZE THEIR CARBON FOOTPRINT.

ONE OF THE MAIN WAYS THAT ARCHITECTURE IS RESPONDING TO CLIMATE CHANGE IS BY INCORPORATING GREEN TECHNOLOGIES AND MATERIALS. THIS INCLUDES THE USE OF RENEWABLE ENERGY SOURCES, SUCH AS SOLAR PANELS, WIND TURBINES AND GEOTHERMAL SYSTEMS, AS WELL AS MATERIALS THAT HAVE A LOWER ENVIRONMENTAL IMPACT SUCH AS BAMBOO AND CROSS-LAMINATED TIMBER. ADDITIONALLY, BUILDINGS ARE BEING DESIGNED TO OPTIMIZE NATURAL LIGHT AND VENTILATION, REDUCING THE NEED FOR ARTIFICIAL LIGHTING AND COOLING.

FINALLY, MANY ARCHITECTS AND DESIGNERS ARE EXPLORING NEW APPROACHES TO URBAN DESIGN THAT CAN REDUCE THE IMPACT OF CLIMATE CHANGE IN CITIES. THIS INCLUDES CREATING GREEN SPACES AND PARKS THAT CAN ABSORB RAINWATER AND REDUCE THE RISK OF FLOODING, AS WELL AS DESIGNING COMPACT, WALKABLE COMMUNITIES THAT REDUCE THE NEED FOR TRANSPORTATION AND DECREASE GREENHOUSE GAS EMISSIONS.

IN CONCLUSION, CLIMATE CHANGE IS HAVING A PROFOUND IMPACT ON ARCHITECTURE AND THE BUILT ENVIRONMENT, AND ARCHITECTS AND DESIGNERS ARE RESPONDING WITH INNOVATIVE AND ADAPTIVE DESIGN SOLUTIONS. THE GOAL IS TO CREATE BUILDINGS AND CITIES THAT ARE RESILIENT, SUSTAINABLE, AND CAPABLE OF THRIVING IN A CHANGING WORLD.

AYUMI CARDOZO
AANCHAL KUSHWAHA
PRANAYA KHADE



EVENTS

13-06 Guru Purnima

Guru Purnima is celebrated on the full moon day in the Hindu month of Ashadha. This year, 13th of July marked this auspicious day, where the students of BVCOA gathered together in the courtyard to present their thanksgiving to the teachers, showcasing their cultural facets through music, gifts, and much more! BVCOA celebrated this day with great zest and joy.



22-07 International Chess day

Marking the date of the international chess day, The students of BVCOA engaged in a constructive board battle, giving each other a tough competition with all the contestants putting out their best skills. The result was decided either by the timer, or by who said "check mate" first.



08-08 Student Council Investiture ceremony

The Investiture Ceremony for the academic session 2022-23 was held with great pomp and dignity at BVCOA. The day unveiled the squad that is ready to rush in and unleash their creative fires! In BVCOA, This team includes fostering an environment in which every student is free to share their opinions and concerns, express their ideas, and take initiatives.



15-08 Azadi ka Amrit mahotsav: Independence week

The glory of independence was celebrated in BVCOA with a week long of events zestfully marking the transformation and evolution of the country. The week was remarkable in terms of exhibiting the achievements of the country over the 75 years of independence, where the students showcased their endless talents through posters and Nano narratives dedicated to their mother country. The students also exhibited their dance and music performances devoted to the country. Apart from this, BVCOA organised tree plantation drive where students and teachers took to their part by planting trees in the campus.





Eco friendly Ganpati Idol workshop 29-08

BVCOA extended a green greeting to Bappa on the occasion of Ganesh Chaturthi. A workshop for creating models was held on campus, where both students and teachers actively took part and came up with some of the most beautifully curated eco friendly Bappa Idols!

Janmashtami celebration 18-09

Janmashtami is a time for enjoyment, happiness, and love. In order to take part in this auspicious day BVCOA celebrated dahi handi where students from each year had the golden chance to create their own pyramids, celebrating the birth of Lord Krishna.

Navratri celebration 30-09

The auspicious occasion of Navratri which marks the ultimate victory of 'Good over Evil' was celebrated by all the students along with the faculties. All students with their beautiful dresses and colourful dandiya performed Garbha in the courtyard along the beats to traditional Gujarati music. The day ended by felicitating the dancers and attire.

Footing design study models by 2nd year students. 18-11

Students from the second year created study models to comprehend the various footing types used in building construction. This aimed to instil in students, a knowledge of material, framing, and the connection between the foundation and the column.

Christmas celebration 23-12

Christmas Marks the end of the beautiful year and december is the month where everyone is reflecting on what an amazing year it had been. With the Christmas season setting in, BVCOA came back with its signature tradition of secret Santa where the students take it to themselves to gift their peers, and celebrate the day with glee and enthusiasm, in their lovely Christmas outfits!

SEMINARS

Profession and Innovation- Internship in the field of architecture.

23rd September 2022



On September 23, 2022, 4th-year students of BVCOA were present for an insightful lecture on professional internships in the architectural realm, organized by the Institute's Innovation Council. The lecture was led by Nikhil Badrike and Sangam Namwad where they shared valuable insights and guided students through one of the most crucial phases of an architecture degree.

Connecting with creative industry in the field of architecture.

5th December 2022



BVCOA hosted a seminar on "Connecting with the creative industry" for students of 3rd and 5th year with experts from UAL.

Students of BVCOA had an opportunity to debate and explore innovation and start-up policies with expert Ar. Sanskruti Rajhans during a lecture on the NISP Awareness Programme on Policy and Objectives.

27th September 2022



NISP awareness programme on policy and objectives

Awareness programme of sexual harassment of women

28th November 2022



BVCOA hosted an insightful seminar, throwing light on sexual harassment faced by women at workplaces, colleges and in other walks of life. Dr Sudarshan G. Ranpise's perceptive "Awareness programme: - Sexual harassment of women" was an attempt to end the stigma around these topics, and to educate and bring awareness amongst students and teachers.

Women and mental Health



10th August 2022

BVCOA had created a thought-provoking webinar on "Women and Mental Health", by inviting Dr. Mridula Apte, throwing light on the mental well being of women. The webinar was a modest start towards educating on self, listening to others, while learning to end the stigma around this topic.

With the motto of doing our small share to protect the environment, This masterclass constituted to be a simple approach to better inform oneself about environmental issues, with an insightful masterclass on Net zero glazing design strategy for sustainable design and green building organized by AIS Speaker Mr. Shailesh Ranjan and coordinator Ms. Anuja Ratnakar Pawar.



22nd September 2022

Masterclass on Glazing design strategy for sustainable design and green building

Sustainable urban development is the way forward for cities to mitigate climate change. With the motto of building sustainably, BVCOA had come up with an insightful seminar on Sustainable Urban Development in which students engaged in expert talks with Ar. Kshitija Pendharkar where the conversations revolved around sustainability and Urban development.



23rd December 2022

Sustainable Urban Development

NANO NARRATIVES

THE SHEETS OF RAIN PELT THE TOMBSTONES,
AS WE WALK THROUGH THE LABYRINTH OF GRAVES
ABOUND,

FOR THE GLORY IN THE BATTLEFIELD,
YOU LAY DOWN, IMMORTAL ON THE GROUND.

O! VALIANT MARTYRED,
HOLD YOUR HEAD HIGH,
FOR THE VICTORY YOU SEIZE
IS THE NATION'S PRIDE.

I SALUTE THOU SEPOY!
WHO FADES AWAY WITH SILENCED BEATS,
FOR SHIELDING OUR LAND, SEA, AND SKY.
YOUR ACHIEVEMENTS TRANSCEND,
BUT THOU LEGENDS, NEVER DIE!

**-DIVYA BHASKARAN(4TH YEAR)
1ST PLACE**

आजादी के कई हुए साल,
पर हमनेक्या हैपाया ।।
सोचा था क्या होगा लेककन,
सामनेक्या हैआया ।।
बापूका था यह सपना
रामराज्य - सा देश हो अपना,
चाचा बोलेआगेबढ़ कर
कर लो सब को अपना ।।
अपनी आजादी करि कनिन कोई
कदया शास्त्री नेतारा,
जय -जयकार ककसान की अपनी
जय जवान हमारा ।।
अब हमेइनके सपनीको हैसाकार करना
भ्रष्टाचार हटा देगेऔर देश बढ़ाऐगेहमारा ।।

आज यह दिन हैआया
जब भारत को मुक्ती का पर था भाया ।

दिनया नेदजस पर गर्वदकया
उन अमर रीर शदहीकी सलाम ।

जादत धमवका भेना पाया
खून मेलथपथ जर्नानीके इमान ।

तीन रोग के रूस्त्र मेदलपते
इन भारतमाता के पुतीकी सलाम ।

आजादी के अमृत महोत्सव पर भारतमाता को नमन कर ले,
आसमान मेंआई ततरंगकी उडान को सलाम कर ले!
आजादी के पहलेवो नजारा याद कर ले,
शहीदोंके तदल मेंभडकी वो जवाला याद कर ले!
तजसमेंबहकर आजादी पहंची थी जीत के तकनारपर,
देशभक्तीके लहू की वो बहती धारा याद कर ले!!

**-KOMAL AMRU (5TH YEAR)
4TH PLACE**

BANDE HUM USS MITTI KE
KASAM HAAME USS TIRANGE KI

BANDE HUM USS MITTI KE
KASAM HAAME USS TIRANGE KI
KAHANI UNN SHAIDO KI AISE
JAISE USS AZAD PARINDE KI
HUM HAI WON JO SAUGANDH LIYE CHALTE HAI
GOLIYA KI KYA BAAT KARTE HO

HUM TOH SIRF JUBAN SE DUSHMAN KO CHIR DETE HAI

JHUKNA HAAME AATA NAI
CHAHE LAKH BAAR THODO LO
AAYENGE SAAME BHALE 10,000
AGAR WO 21 SIKH PHIR UTHA JAAYE
TOH WO RASHTA MOD LO
KUCH NE DI JAAN
GAATE HUE SAARE JAHAN
TAB BHI KUCH SAWAL UTHATE HAI
FACTS AUR FIGURE BATLATE HAI
HAAN HUI GALTIAN IN LOGO SE BHI HAI

HAMARI HAIN...
TUMARI HAI....
YE HAI EK CHOTI SE BIMARI HAI....
PAR WAKT NAHI BADLEGA
BITA KAL PHIR SE DUHRANA HAI
CHALO DHAALTE SURAJ KO PHIR SE JAGATE HAI

AAO DOSTO

IS DESH KO PHIR SE MILKE BANANA HAI

KYU KI....
BANDE HUM USEE MITTI KE
KASAM HAAME USS TIRANGE KI
LEKE PHIR SE UDENGE MERE DOSTO
KASAM HAAME UNN AZAD SAHID PARINDO KI

**SAHIL MAHALE(5TH YEAR)
2ND PLACE**

75 YEARS OF INDEPENDENCE?
AS SHE LEFT FOR SCHOOL WAVING THE INDIAN FLAG TO
CELEBRATE THE 75 YEARS OF INDEPENDENCE.
HER MOTHER REMINDED, "BE HOME BEFORE 7 PM".
SHE LONG AWAITS THE INDEPENDENCE IN THE 75 YEARS
OF DEPENDENCE, INSECURITY AND UNTAGGED PARTIARCHY.

**-DHWANEE KOLAGE(5TH YEAR)
3RD PLACE**

HUMANS OF BVCOA

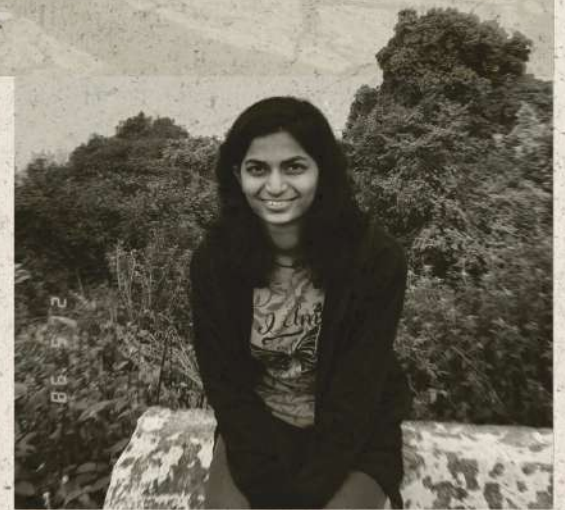
LOCAL WARNING

RAINS IN SUMMERS AND HEAT IN WINTER,
IS THIS A VARIANCE OR AN ENVIRONMENT THRILLER?
THIS CHANGE BY MANKIND NOT GOOD FOR EARTH,
FOR EVERY TREE WE CUT A NEW CLIMATE CRISIS TAKES BIRTH.
JUST THESE MISTAKES AROUND OUR LOCAL LIFE,
ARE HAVING IMPACTS ON CLIMATE CHANGE IN ITS DISGUISE.

WITH RISE IN GREENHOUSE GASES AND O₂ SCARCE,
USE OF OXYGEN CYLINDERS IS NOT WHERE OUR FUTURE SHOULD REST.
ADIEU TO FARMING FOR THE MOVE TO URBAN FAIR,
THE MELTING GLACIERS SEE THE RISE OF CFCs IN THE AIR.
JUST THESE LITTLE, LOCAL ERRORS OF DAILY LIFE,
ARE HAVING IMPACTS ON CLIMATE CHANGE IN ITS DISGUISE.

FLOODS IN DESERTS AND DROUGHT IN ICE,
IS THIS THE VISION OF OUR FUTURE LIFE?
THE GLOBE IS WARMING AND BUILDINGS COLLAPSING,
CONCRETE CANCER IS NO WAY WHAT THE STRUCTURES ARE AWAITING.
JUNGLES OF CONCRETE A SOLUTION FOR TODAY'S LIFE,
IS HAVING AN IMPACT ON CLIMATE CHANGE IN ITS DISGUISE.

AWARENESS AND EDUCATION ARE NEED OF THE HOUR,
RESPECT TO THE NATURE AND CLIMATE WILL SHOW ITS POWER.
AT LOCAL LEVELS, THE GREENHOUSE GASES WILL DEPRIVE,
AND THE PROTECTIVE LAYER OF OZONE WILL SOON REVIVE.
THESE LITTLE CHANGES IN OUR LOCAL LIFE,
WILL HAVE POSITIVE IMPACTS ON CLIMATE IN ITS DISGUISE.



PRANOTI SHINDE
5TH YEAR

FROM PROFESSOR'S DESK



Ar. Juili Satish Puri

Ar. Tejesh Nanaware



1. We seem to hear more and more about the dangers of climate change on the planet every day. How is this of concern to architects and designers, according to you?

As an urban designer and as an architect we do play a very important role in reducing the dangers of climate change- the very first role is to shift the scale from a site to a precinct to a city, and to identify all the factors that are associated with climate change. As architects we tend to directly focus upon the built environment but we also need to focus upon factors such as resource extraction by stressing upon local resources supply and followed by waste disposal, and so on. Understanding the problems of mega cities is the first step – which is currently a linear process of resource consumption such as - food, water and electricity and dump waste that ecosystems cannot process.

The problems of mega-cities also involve:

- (i) alarming increase in the use of resources without no thought for future needs, pressures on land for the use of housing, and
- (ii) environmental concerns, such as contaminated water, air pollution through atmospheric emissions, loss of green cover etc. The challenge is to switch from a linear point of view to a networked and cyclical point of view, in which all waste becomes new inputs. We should aim towards a natural ecosystem by efficient consumption, recycling, and reuse of resource flows. Explore new relationships between the physical aspects of urban planning and natural resource management. The objectives should be to promote more energy-efficient and less carbon- intensive design outcomes.

By – Ar. Juili Satish Puri

2. The impacts of the climate crisis are far-reaching, but solutions exist that can help us improve the quality of life around us in our micro-ecosystems. What, according to you, can people do on a personal level to combat this crisis?

Climate crises arose due to extensive carbon emissions in the environment. Carbon emissions happen due to every action carried out by the human beings. These actions include transportation, manufacturing of plastic materials, burning of coal in power-plant, emissions of green house gases, etc. The emissions of carbon from every action carried out to achieve these materials count upon carbon footprint of that material. The carbon emissions are solely responsible for climate crisis. Thus, to reduce these carbon emissions into the environment we must take care of 5R s, which are refuse, reduce, reuse, recycle & restore.

By – Ar. Tejesh Nanaware

3. What are some essential factors to consider as an architect while incorporating sustainability into a design project?

Focusing not just upon the project's design but also achieving self-sufficiency inside the project. A clearer understanding of the scale of resource flows required to build and sustain urban structures and also taking into consideration the impact on the local, regional or global ecosystem would enable more resource-efficient planning and effective waste reduction strategies should be implemented to achieve the goal of sustainability into a design project.

By – Ar. Juili Satish Puri

4. What do you think about the present concept of sustainable design in India, in modern architecture?

Sustainability in short means our behaviour towards nature. It's rethinking about use of resources wisely. Our country is very well gifted with vernacular materials. The materials vary as per the climate and those materials itself help to tackle the harsh effects of climate. And now talking about the present situation of modern architecture, the use of vernacular material has dropped down. The other sustainable materials are not in demand due to the fancy and over whelming design concepts. The concept of modern architecture in India is first creating problems and then are being tackled; Because of which the carbon footprint of the building increases and also the energy consumption. The government is making good efforts to tackle the air pollution by lowering the CFC levels in the air by changing the standards of motor engines as well as with air conditioning machinery.

By – Ar. Tejesh Nanaware



5. (India has a long history of exceptional traditional vernacular architectural styles that are also highly sustainable.) Do you think we are losing our responsibility towards the environment due to rapid urbanization and technological developments?

For not letting this happen more the critical zones have to be identified for innovation. Zones where developers, builders are targeting upcoming developments like residential townships, these areas new lens that is useful to observe and interpret the contemporary landscape that is being used in the innovative approach. This new perspective focuses on interactions between different regions, i.e., between individuals and their living environment. This overcomes the common approach to brownfield regeneration, usually referred to as the mere implementation in confined space or territory of technical solutions.

By – Ar. Juili Satish Puri

6. How can we ensure that sustainable buildings are maintained where there is administrative negligence?

Sustainability comes with a heavy responsibility. If we people act accordingly, it is easy to maintain the buildings in a sustainable way.

The building can be maintained manually as well as automatically. If manually controlled, Integrity plays a major role. Globally, automation system is used on a large scale. The automation system, helps to reduce the energy and water usage in the building and also takes care of maintaining the indoor environment quality. Thus, maintaining a sustainable building is directly equal to maintaining our environment & human body.

By – Ar. Tejesh Nanaware

7. What can architecture students, as future designers, do to contribute their bit to the earth and its environment?



Students should start moving towards sustainable and technological means of design, rather than looking for conventional means of construction. Moving towards sustainability comprises of vernacular architecture and intelligent building management systems (IBMS). This shall decrease the load of carbon emission and other hazards towards environment. Students can start looking for IGBC, GRIHA, LEED certifications for achieving a better design from sustainable point of view. The certification provides us the guidelines and benchmarks regarding planning & construction, landscape, building envelope, water & energy saving techniques, etc which makes the indoor environment comfortable for occupants. Students can also look SDG (sustainable development goals) as a career option, as it categorizes the problem and helps in achieving a sustainable ecosystem on a global basis.

By – Ar. Tejesh Nanaware

8. How do you think, can we use the existing built structures in a more sustainable way, so as to mitigate and curb the need for the newly built matter?

Retrofitting a structure means, assembling all strategies into the built structures. The strategies can be water saving ones as well as energy saving ones. Strategies to maintain indoor temperature and lowering down the rate of heat penetration from outdoor to indoor environment can also be considered as sustainable ones. Except the main framing structure elements or any other supporting elements, all the other elements can be retrofitted to make building a sustainable structure.

By – Ar. Tejesh Nanaware

9. What is one sustainable and/or climate-responsive architecture project that you find extremely interesting?

Looking to our Indian buildings first I would like to dwell upon structures like Pearl academy of Jaipur, Suzlon One earth- Pune, KMC Corporate office Hyderabad, Indian Institute of Tropical Meteorology. The above mentioned structures are good examples of green building, which are located in different climate zone and act accordingly. Every structure acts perfectly according to its climate to maintain comfort level in indoor environment for occupants' wellbeing. The structures comprise of many passive techniques which make them use less energy and water, making them environment friendly.

By – Ar. Tejesh Nanaware

10. "We cannot afford only to build greener; we need to build less." What is your take on this statement, considering the rapidly growing world and the increased need for shelters for human habitats?

Now we are on the verge of climate crisis and the world is already facing the effects of it. We have lost consciousness for environment while heading towards advancement, expansion and making heavy profits to ourselves. Now it's time to turn back and recognize what mistakes we have made which led us towards a disastrous impact on environment. Let's take some steps back and start restoring our environment.

By – Ar. Tejesh Nanaware



ART BY - PRASAD DHANESH SAWJI

