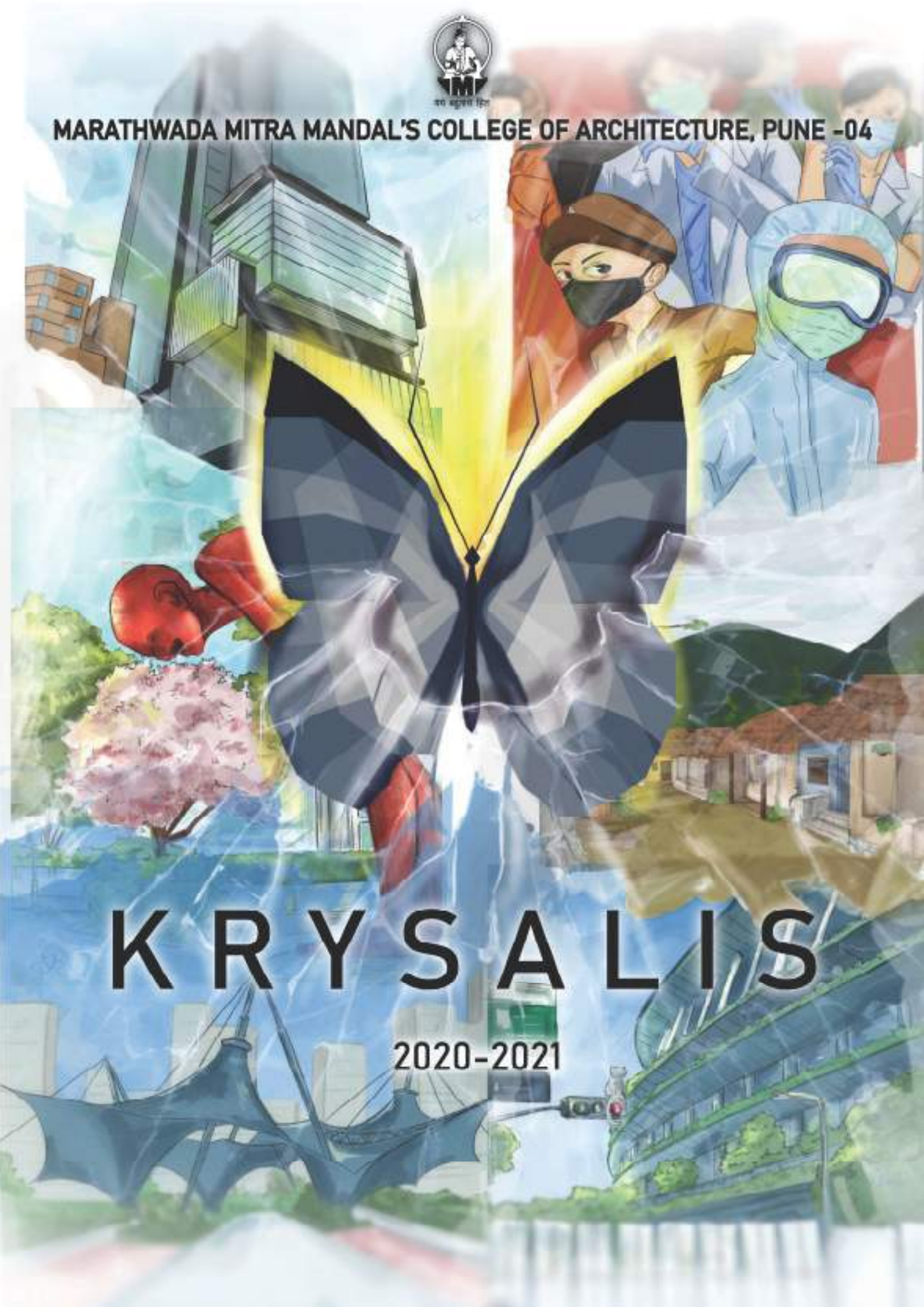




MARATHWADA MITRA MANDAL'S COLLEGE OF ARCHITECTURE, PUNE -04

# K R Y S A L I S

2020-2021



## GOVERNING BODY



Shri. Shivajirao D.  
Ganage



Prin. Bhausaheb G.  
Jadhav



Dr. Madavrao V.  
Suryawanshi



Dr. Nagnath V.  
Biradar



Shri. Kishor H.  
Mungle



Shri. Annasaheb  
H. Pawar



Shri. Sanjay S.  
Garge



Prin. Dwarkadas S.  
Bhandari



Dr. Sakharam H.  
Gavhane



Dr. Vishwas S.  
Patil



Shri. Sanjay S.  
Suryawanshi



Shri. Tej P.  
Nivalikar



Shri. Jitendra M.  
Pawar



### OUR FOUNDER PRESIDENT

#### Hon'ble Late Shri Shankarraoji Chavan

'Former Home Minister & Finance Minister of India & Former Chief Minister of Maharashtra'

He was an eminent lawyer who fought for social justice.

The Founder President of Marathwada Mitra Mandal Institute, Hon'ble Late Shri. Shankarraoji Chavan, is cherished in the memories of Indian citizens as a great parliamentarian, an able administrator and an excellent orator. He was an eminent lawyer who fought for social justice. This inherent acumen for social development was reflected through his Chief Ministership of Maharashtra which he honored twice. Along with these accolades, he was also the home minister and Finance Minister of India. He truly possessed all the wisdom and values of an ideal politician which led him to occupy the special place in the hearts of every Maharashtrian who respect him as "An Architect of Modern and Progressive Maharashtra." His fondness towards education and his futurist aptitude led to the establishment, growth and development of Shankarrao Chavan Law College which now occupies a special mention in the sphere of academics at international and national levels. In order to inculcate the values possessed by its leader, Shankarrao Chavan Law College organizes Late Shri Shankarrao Chavan Memorial State Level Elocution Competition" every year. In 2020, in order to commemorate the Centenary year and 16th death anniversary of its visionary leader, SCLC organized a memorial lecture which was delivered by Shri Mahesh Zagade, Former Chief Secretary Govt. of Maharashtra, who was his companion who relived his memories and inspired audience with visionary ideals.

# IMITATING SIGNIFICANT ASPECTS OF ARCHITECTURE

# JOURNEY AS THE INSTITUTIONAL LEVEL MODULES

## Structural System

The structural system works tirelessly to reinforce the structure. This sector includes a core committee that works in a college to assist and contribute to student growth. For an organization to operate, several branches and subgroups must work together to get the desired result. Respected principals and faculty members guide students and shape their destiny in this crucial field.

Heroes of the backstage are the non-teaching staff, who cater to all the students' as well as faculties' requirements. Various committees are formed for the active and cooperative engagement of students and teachers. Last but not least, the student representative body, the student council, puts up student agendas.

## Steel Structure

A structure's strength is determined by the strength of its primary as well as external supports. Similarly, in a student's life, out-of-class learning and involvement in extra-curricular activities are required. Our college conducts various activities and events on an online platform and hosts additional lectures from higher-level faculty members with real-world expertise.

This additional information gives students a fresh perspective on their job. The beginning of a weekly lecture series with a new topic each week. This part also includes the reports, which provide a thorough explanation of their work as well as their views.

## Vernacular Architecture

Respect, acceptance, curiosity, and dedication are only few features of student and faculty collaborative relationship.

These little details are taken into account while creating a place in many aspects, and the sector reflects this alliance via college trip activities. The connection and geniality students feel towards faculty is symbolized as the vernacular medium.

Years of educational partnership that develops into a tighter tie and the usage of locally sourced materials is portrayed as means of strengthening the community's relationship. The numerous experiences by which students are polished throughout their academic lives reflect the texture and material qualities.

In addition, the NAAC event sponsored by the college was planned and performed by students and staff. These initiatives taken by the college help the students to keep up with continuously upgrading world.

## Covid Warriors

Considering the current pandemic situation, one must respond to the call of social responsibilities and societal payback. Many college students and faculty members have volunteered to assist the needy in the current situation. These heroes of lockdown participated in the exercise to the best of their abilities.

This act of kindness must be acknowledged, as it will serve as an example for others to actively engage in similar activities.

On the other hands, many followed their passion and started their new home based business and expanded on online platforms. These entrepreneurs have shared their stories and struggle throughout their journeys.

## Art And Installation

Each person has their own unique style of expressing themselves through drawings, poems, sculptures, and other means. These abilities must be cultivated at the same time as academics.

The branches of architecture are divided into various categories, such as art, sustainability, landscape, development, interior design, and so on, and are conveyed via drawing and other creative forms. Every day there is a new experience and all the new visits and thoughts are expressed in variety of art forms. Some of them are to capture the moment, some to express their own thoughts about the neighbourhood and few to just cherish the experience.

With the advent of technology, digital art forms are becoming more prevalent, and college students have attempted and produced excellent work. The installation part gives teachers and students a chance to showcase their creative work.

## High Rise Structure

High-rise structure stands out in the neighborhood, setting a new benchmark, for others to achieve and go beyond. Each peak is an achievement in itself. The progress is mainly measured in the form of achievements, winning trophies, and academic records.

To capture the achievements of students and teachers on an individual level, in teams, and college level in their respective fields, as well as the new heights they have reached over the course of a year. The achievements are not just limited to academics, but also the extracurricular activities, sports, competitions, and the passion that students follow with keeping balance with the academics.

## Project: Backpackers' Hostel at Panchgani (ZOSTEL)

### Background:

The hostel for backpackers is situated near a hill station Panchgani. The design has evolved in response to the need of backpackers (18 to 40 years of age) for a safe, comfortable and hygienic place to stay at a scenic location while traveling on a shoestring budget.

### Concept:

The design ideas have evolved from simple observations from the nature. The container boxes are poised as if they are keeping an inquisitive vigil over the valley and surrounding, to avoid missing out on any drama created by clouds with the sunlight or a flock of birds flying by or the breeze gushing through the grass.

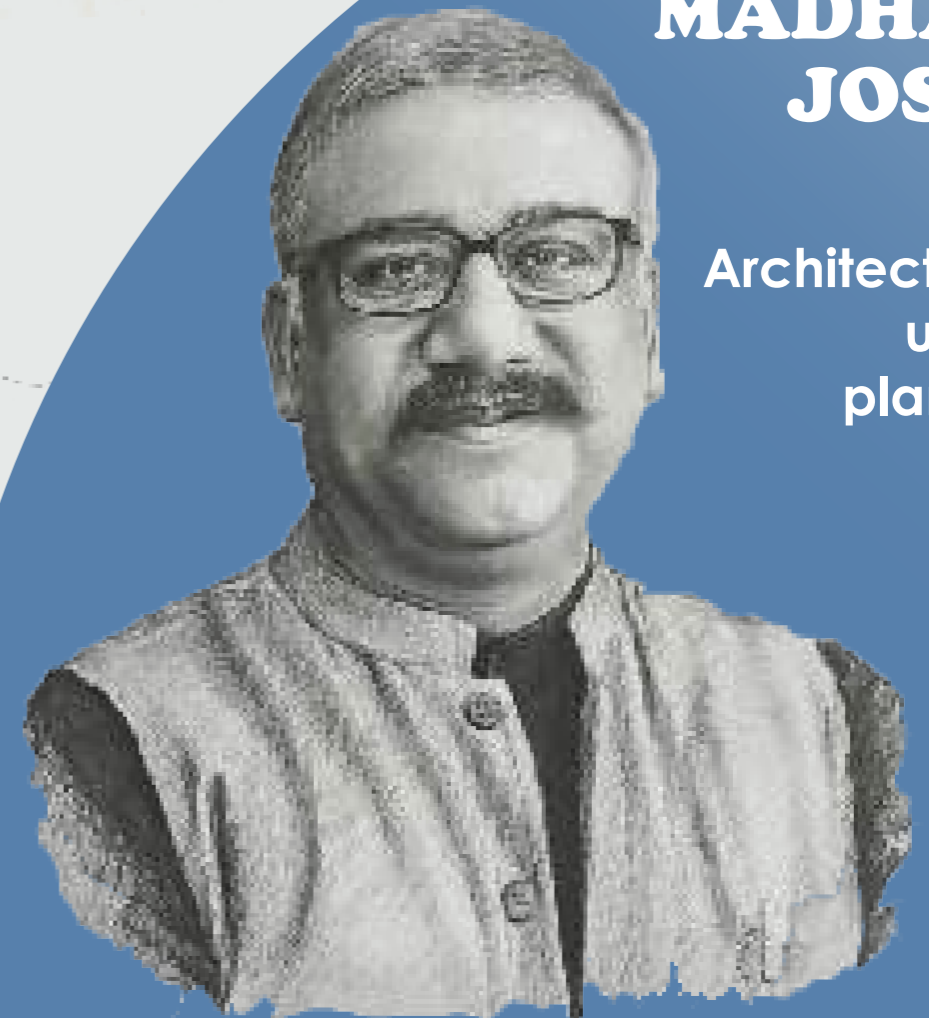
### Design:

Structural properties of the shipping containers are fully exploited to obtain maximum habitable space with minimum ground contact by precariously balancing the ensemble of masses. The unstable site slope was held together by a tree or two at places, but largely had to be retained by narrow terraces, to create usable spaces in a stepped manner to place narrow and long foot prints of the containers parallel to the slope. Leaving the in-between spaces of this hamlet for traversing and for the community and including least impact on the local ecology. it is a prpepicable prototype yet rooted in its context.

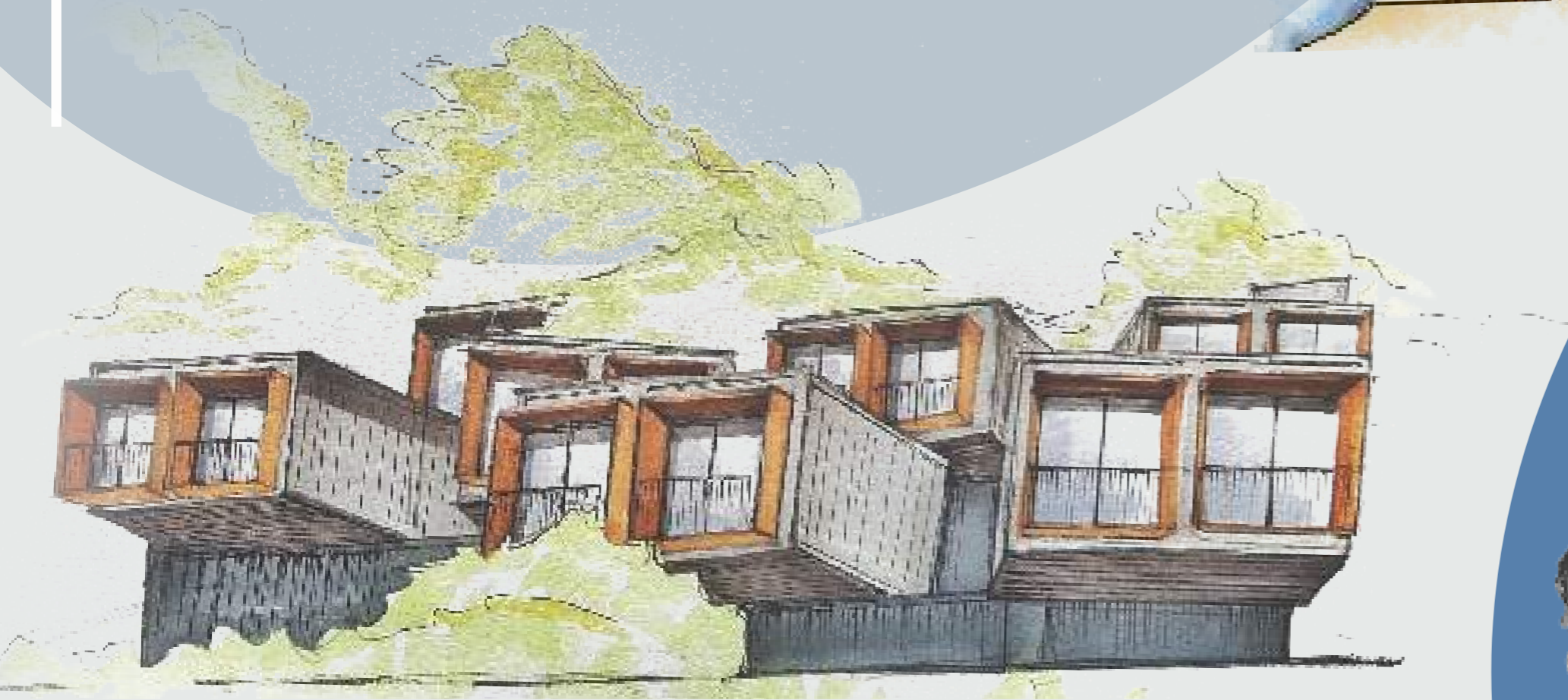


**AR.  
MADHAV  
JOSHI**

Architect and  
urban  
planner.



**STRUCTURAL SYSTEM**



## About MMCOA



The trust "Marathwada Mitra Mandal, Pune" was established in 1967 by Hon. Late Shri. Shankarraoji Chavan, Former Home Minister, Govt. of India as the "Founder Member and President". Hon. Late Shri. Vilasraoji Deshmukh, Minister of Science and Technology and Minister of Earth Sciences, Government of India was the President; heading the Board and the advisory panel. Presently, Hon. Shri Shivajirao Ganage an industrialist are the President of the Executive Committee of Marathwada Mitra Mandal which also includes many industrialists, academicians and philosophers. Urge to help Marathwada grow and prosper created a society with the objective that facilitated the stay of the regional students by providing hostel or similar accommodation in Pune.

### Vision of MMCOA

- The welfare of the society by inspiring the youth to contribute through excellence in Architecture and technology as knowledgeable professionals.
- The institution's main motto is 'welfare of masses. Therefore the assignments are planned in such a way that they are groomed to social awareness, they are encouraged to think outside the box through various exercises cleverly embedded in the subjects.
- Through study tours students are taught to pursue environmental friendly approaches at the same time, we keep updated with the new trends and technologies that are emerging into the market.

### Mission of MMCOA

- Sensitize young talent to address societal concerns by creating opportunities for learning.
- Follow quest for excellence through research and academics
- Accentuate the legacy of ethics and values through architectural studies.

## From Principal's Desk



When students enter Architecture College, they have dreamy eyes and a heart full of hopes. They are raw talent, waiting to be shaped into a professional. The teachers wait for them on the road ahead, with a candle in their hand, showing them the guiding light and making the path brighter. As they pass by on their journey to the faraway lands, a teacher looks on, standing still, waiting for the other one to come....

It gives me immense pleasure to present the second edition of our college magazine KRYSALIS. We, at Marathwada Mitra Mandal's College of Architecture, always encourage all the students to nourish their creative inclinations in various areas and capacities and showcase it to the fraternity.

They need a little bit of nurturing to bloom from a caterpillar to a butterfly. This exercise of publishing a college magazine helps them build strong leadership and management skills, efficiency of working in a group, entrepreneurial capacities and inspire them to become more passionate professionals. With encouragement of all the faculty members, parents, alumni and professionals, I have no doubt that they will achieve great heights. I sincerely thank all the contributors for encouraging our students with their help.

- Dr. Supriya Nene  
Principal, MMCOA

## Academic Advisor's Note

MMCOA is privileged to have Master Architect Professor Christopher Benninger as our academic advisor, from Academic Year 2017-18. Christopher Charles Benninger, the name that needs no introduction.

Consistently believing on the user interface design approach, he takes up projects involving study, analysis and exploration of visual, spatial, formal, social and technological ideas and concepts related to architecture, urbanism and human settlements.

The first academic symposium was organized on 8th May 2018, with presence of MMCOA professors, principal and guest dignitaries.

The agenda of the event was to further refine the structure, organization and overall architectural pedagogy, practiced at MMCOA.

The event was conceptualized by Dr. Supriya Nene, Principal, MMCOA, where participating faculties can interact and share their expertise in the subject.



- Ar. Christopher Benninger

## Design Chair's Note

MMCOA is privileged to have Architect Professor Girish Doshi as our design chair, from Academic Year 2019-20. Ar. Girish Doshi is the principal architect of Navkar Architects based in Pune. Navkar Architects has won prestigious awards such as AESA Kumar Architect of the Year Award in 1995, JK Cement Award in 1996 and 11A Architect of the Year Award 2005.

Girish Doshi's construction technique is strongly influenced by his Engineer Guru Vishnu Joshi who taught him the 'Art of Ferrogami and concrete block technique for cost-effective construction now known as 'Vishnu Padhat'. Due to this Navkar Architects has had a fairly long spell of 'Design and Build practice. Along with his practice, he also follows his passion for teaching.



- Ar. Girish Doshi

## Editorial Note



Mid-way through editing and designing a pile of articles which I was nose deep in and with the thoughts of the zillion things that 'JUST HAD TO BE DONE'. This was the first of many such moments (hours)! Putting a magazine together was no cake walk. I along with my editorial team members have spent sleepless nights to make this magazine stand out .

So here we are happy to present to you- KRYALIS III.

The magazine's attempt is to give glimpses of numerous events occurring throughout the year, as well as a few architects who may inspire our readers.

It's been a magnificent experience leading a fantastic magazine team. Owing to the fact that we lost a lot of work last year due to the pandemic, the magazine perchance will be able to fill the void.

From this entire process , I have ascertained many things that have enhanced my knowledge and skills.

This magazine is not any individual's work but it's done with the help of our alumini,students and various mentors who have supported me and the whole team throughout the whole process.

Though it was a difficult journey, I was pleased to head this phenomenal magazine team. Working for this magazine is one of the few memories I will cherish for the rest of my life. The team has put in all possible efforts to ensure that readers will appreciate the publication. We hope you enjoy reading the magazine as much as we enjoyed composing it.

- Vaishnavi Mandhare  
Magazine Head

## Motivating Mentors



Dr. Ujjwala  
Palsuley



Dr. Aparna  
Dixit



Ar. Girish  
Doshi



Ar. Arti Patil



Ar. Vishwas  
Lele



Ar. Shounak Naik



Ar. Preeti  
Chinnapattan



Ar. Keerti Mishra



Ar. Saurabh  
Joshi



Ar. Raghunandan



Ar. Sunil Kulkarni



Ar. Ravindra  
Patwardhan



Ar. Shubhangi  
Shirole



Ar. Vrinda  
Panse



Ar. Chanda  
Kanetkar



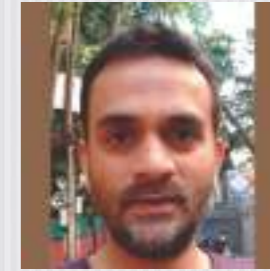
Ar. Tanay  
Ambavne



Ar. Pavan  
Gumaste



Ar. Gargi  
Kulkarni



Ar. Aditya  
Sambhare



Ar. Vinita  
Lawate



Ar. Atul Rajwade



Ar. Kirti  
Sagaonkar



Ar. Preeti  
Joglekar



Ar. Sunil  
Hingmire



Ar. Saurabh  
Agashe



Ar. Manas  
Marathe



Ar. Shubhada  
Sahsrabudhhe



Ar. Anirudhha  
Kolhatkar



Ar. Yamini  
Deshmukh



Ar. Nimesh  
Porwal



Prof. Manjusha  
Wagh



Ar. Purva  
Kulkarni



Ar. Anirudhha  
Joglekar



Ar. Suvarna  
Vaze



Ar. Jyoti Jain  
Tholiya



Ar. Neha  
Kulkarni



Dr. Dhanashree  
Ghare

## College Committees'

Academic Monitoring Committee
Research and Recognition Committee
Students Welfare Committee
Faculty Welfare Committee
College Publication Committee
Building and Works Committee
Examination committee
Grievance committee
Library committee
Purchase committee
HR committee

Students Council committee
Alumni Committee
Finance and Accounts Committee
Anti-ragging committee
College Development Committee
Internal Complaint committee
IQ AC committee
SC / ST Committee
Right to information Committee
Administrative committee

## Non - Teaching Staff



Mr. Subhash  
Kibe (Office  
Superintendent)



Sujata Pingle  
(Head Clerk)



Amruta  
Nalavade  
(Accountant)



Sagar Bagav  
(Computer  
Technician)



Veershetty  
Hangarge  
(Library Clerk)



Sanjay  
Khandekar  
(Jr. Clerk)



Prajakta  
Katare  
(Jr. Clerk)



Snehal  
Kadam  
(Librarian)



Abhishek  
(Receptionist)



Akshada  
(Jr. Librarian)



Nileshe  
(Computer  
Technician)



Rajendra  
Kamthe  
(Accountant)

## STUDENT COUNCIL 2020-2021



**Sakshi  
Bhalerao**  
Secretary



**Prithvi Desai**  
President



**Prasanna Gore**  
Treasurer



**Vaishnavi  
Mandhare**  
Magazine Head



**Aditya Wale**  
Sports Head



**Shreya  
Lohakare**  
Technical  
Head



**Pradyumna  
Bhavsar**  
Nasa Head



**Prathamesh  
Bibikar**  
Infrastructure  
Head



**Ojal Surana**  
Exhibition  
Head



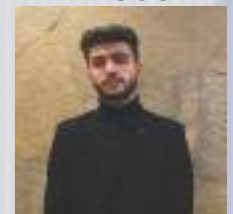
**Ajinkya Mali**  
Library Head



**Manas Dange**  
Social Media  
Head



**Kalyani  
Nangude**  
Photography  
Head



**Tanishq  
Pokhrana**  
Cultural Head

### Class Representatives



Shubham K.



Sakshi W.



Rohan K.



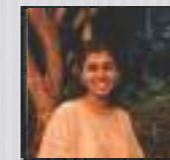
Mallika R.



Atharva D.



Rugvedi S.



Payal B.



Kedar D.



Rajvi P.



Pratik K.



Sanyukta K.



Gaurav R.



Tanishka J.



Rutik K.

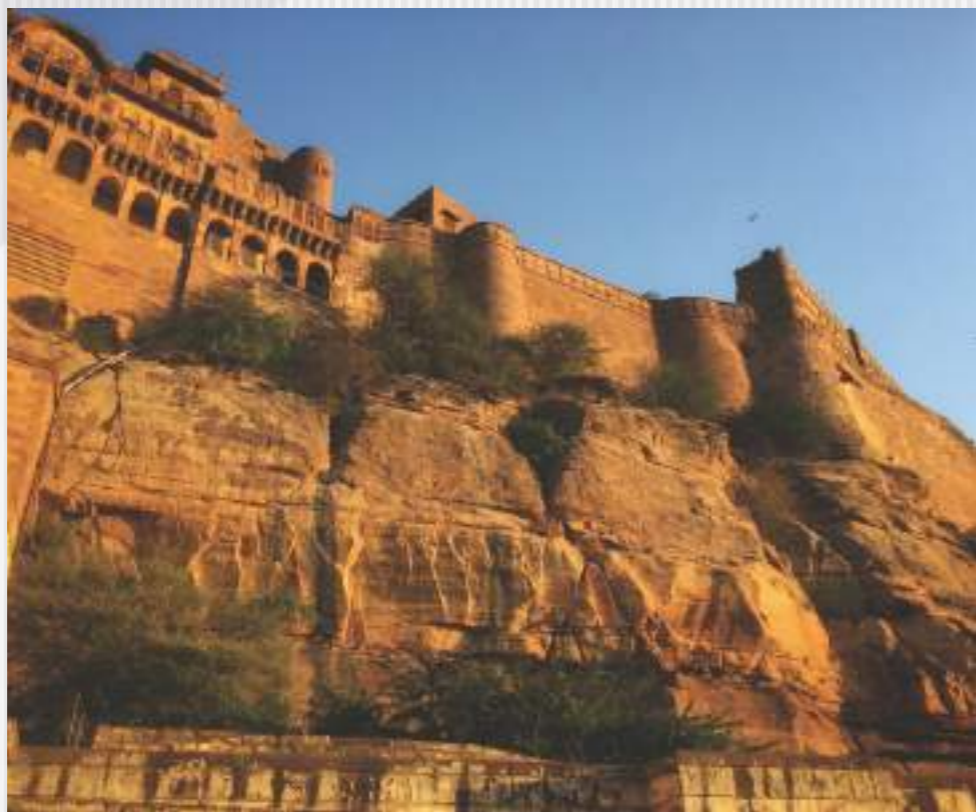


Isha M.



Pradnya J.





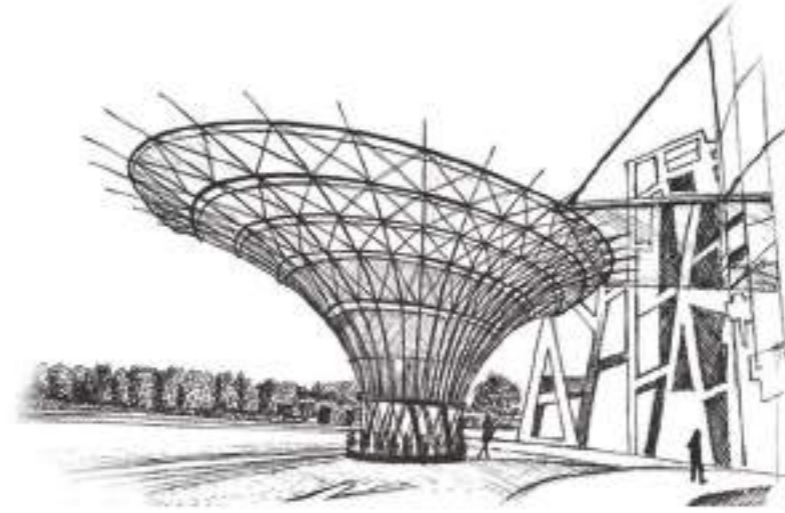
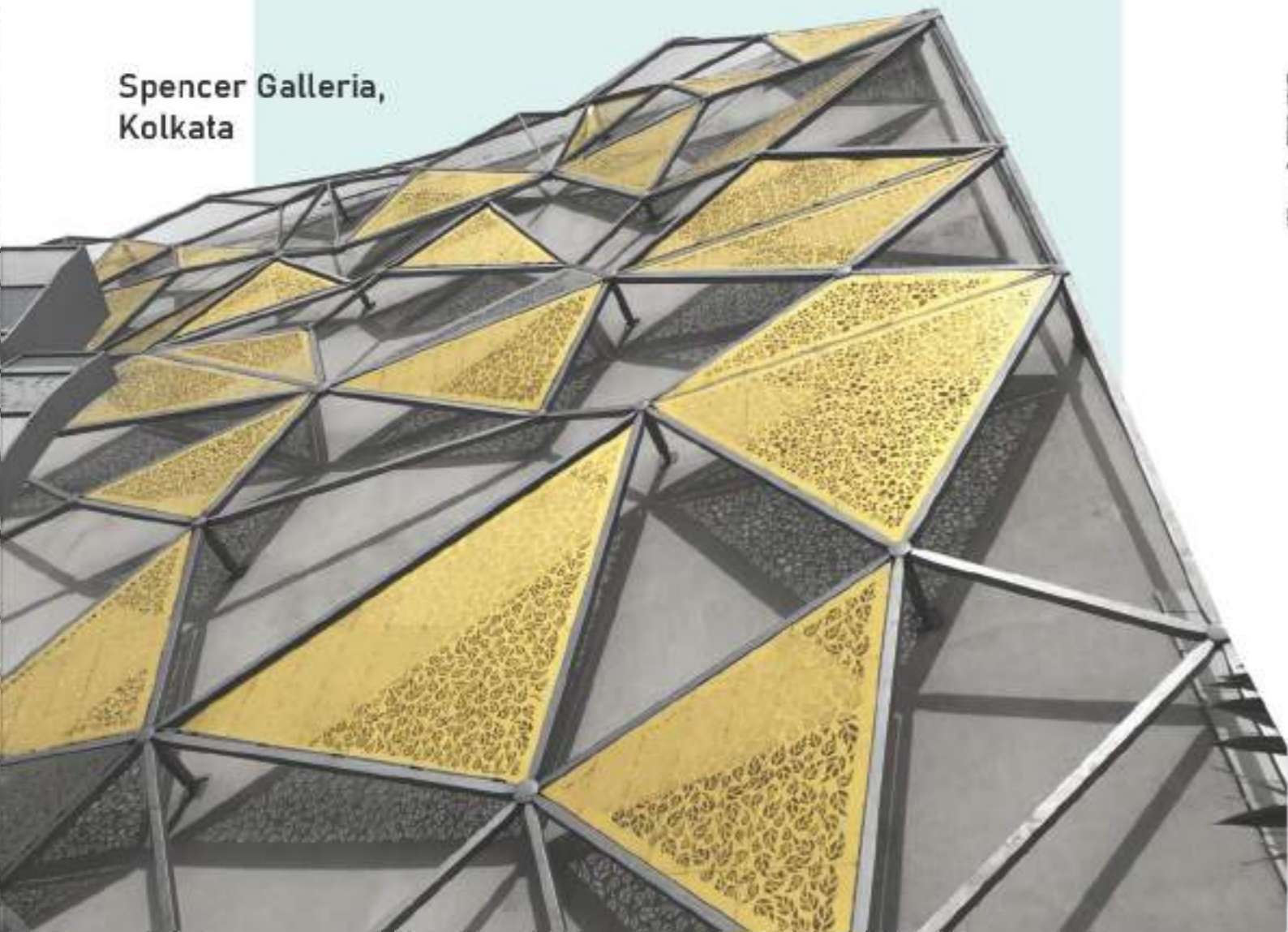
# CONSTRUCTION CATALYSERS

Established in 1988, Construction Catalysers is one of India's leading space structure design & Construction Company for new age architectural engineering solutions.

## STRUCTURES AND...

MODERN AND GREEN  
ART AND MATHEMATICS  
MINIMAL AND COMPLETE  
INNOVATE AND IMPLEMENT  
DESIGN AND EXECUTE  
STRUCTURE AND SERVICE  
ARCHITECTURE AND ENGINEERING

Spencer Galleria,  
Kolkata



ONGC Canopy, Delhi



Infosys Building, Pune



Biswa Bangla Gate, Kolkata



I-Lab Shell Building, Hyderabad

## Design approach:

Geometry and structural stability visible in the nature

Imbibing and executing the advanced technology

Minimal structures with holistic approach

Reattaining the old character of the context while adding new to it

## Other Projects:

Ganesh Kala Krida Manch, Pune

Statue of Unity, Gujrat

IBM Food Court, Bengaluru

Raja Bhoj International Airport, Bhopal

# 8 DAYS 8 CITIES 8 ARCHITECTS



## Day 1: Ar. Hirante Welandawe, Colombo, Sri Lanka (13th August)

The webinar started on 13th August 2020 with the first speaker being Ar. Hirante Welandawe from Colombo, Sri Lanka. Her talk was focused on her work as an architect and how she has developed her backyard into a small urban forest.



## Day 2: Ar. Biju Kuriakose, Chennai, India (14th August 2020)

The second speaker was from Chennai, India. Ar. Biju's presentation covered his work as well as the practices in the field of Architecture. He has worked on institutional, Commercial as well as residential projects.



## Day 3: Ar. Bijoy Ramchandran, Bengaluru, India (15th August 2020)

The third speaker for the webinar was Ar. Bijoy Ramchandran from Bengaluru, India. His presentation was focused on theories in Architecture. He presented a comparative study of works by master Architects and how he has incorporated these learnings in his works.



## Day 4: Ar. Saurabh Malpani, Pune, India (16th August 2020)

Ar. Saurabh Malpani was the fourth speaker from Pune, India. He gave a presentation about the different products designed by him and his inspiration from Ar. Alvaro Siza. He also shared his projects which were unique as they were responsive to the client requirements.



## Day 5: Ar. Sameep Padora, Mumbai, India (17th August 2020)

Ar. Sameep Padora, the fifth speaker was from Mumbai, India. He shared his work and projects which were inspiring. He also shared his urban design initiatives through his Urban Design Collective organization for the issues related to the cities.



## Day 6: Ar. Uday Andhare, Ahmedabad, India (18th August 2020)

Ar. Uday Andhare, the sixth speaker was from Ahmedabad, India. He presented his work and shared his practice emphasizes on a process intensive, technically appropriate and ecologically sensitive approach.



## Day 7: Ar. Verendra Wakhloo, Delhi, India (19th August 2020)

The seventh speaker for the webinar was Ar. Verendra Wakhloo from Delhi, India. He spoke about the philosophies of Architecture and how one has to consider opportunity in the time of crisis by stating the example of the Lock-down due to COVID-19.



## Day 8: Ar. Abin Chaudhuri, Kolkata, India (20th August 2020)

The eight and last speaker for the webinar was Ar. Abin Chaudhuri from Kolkata, India. His presentation involved projects which were of varying scales ranging from designing for Durga Puja festival in Kolkata through cost effective approach towards large scale projects.

# संवाद

Experiences and innovations are the heart of Architecture. A group of professionals share their knowledge on the studies they have conducted in order to educate students about current events. This gives students the opportunity to interact with new breakthroughs and updated technologies, while learning outside of the classroom.

Speaker: **Ar. Aniruddha Jogalekar**

Date & Time: Saturday, 6th March, 2021

**SUBJECT: Experiments with Digital Architecture: Long span structures**

Ar. Aniruddha Jogalekar was the first speaker of the SAMWAAD flagship series "After Hour Endeavor. The main aim was sharing experiences gained through a project involving Digital Architecture, Bio-mimicry & Long span structure.



Speaker: **Dr Aparna Dixit**

Date & Time: Saturday, 13th March, 2021

**SUBJECT: Learning from Architecture**

Dr Aparna Dixit has a professional practice of more than 25 years in the field of Architecture, interior and landscape design which covers numerous projects of varied typologies.



Speaker: **Dr Ujjwala Palsuley**

Date & Time: Saturday, 20th March, 2021

**SUBJECT: India outside India**

Dr Ujjwala Palsuley is a Conservation Architect, Sharing her experiences gained through Doctoral studies on South-Asian temples and Khmer Architecture

Speaker: **Ar. Vrinda Panse**

Date & Time: Saturday, 27th March, 2021

**SUBJECT: UDCPR...Importance & highlights**

Ar. Vrinda Panse has vast practical experience in the field of Architecture. The main aim was to highlight the UDCPR guidelines for the knowledge of students and faculties.



Speaker: **Dr Supriya Nene**

Date & Time: Saturday, 03th March, 2021

**SUBJECT: Data Center: An Emerging Building Typology**

Dr Supriya Nene has more than 22 years of professional experience in USA and in India. The Main aim was to learn about the data centers as an emerging building typology.



## NATIONAL YOUTH DAY CELEBRATION

National Youth Day celebrated on 12th January every year on account of Swami Vivekananda's Birthday. It was organized online, with great enthusiasm and participation of students and faculties.

The student council gave a motivational speech to in front of the youth of our college. This was followed by a speech given by our faculty Dr. Manas Marathe, who gave a direction and way of thinking to the students. He spoke about the legendary Swami Vivekananda and his doings. This speech was then followed by a poem written by on of the students from the second year.

A quiz competition was conducted for everyone which covered questions and trivia's on Architecture and general knowledge. This made a way for students to think out of the box and from different point of views. This program was conducted to inspire and promote the youth of college and to motivate them towards achieving their goals and dreams.



## SHIVAJI MAHARAJ JAYANTI CELEBRATION

Chhatrapati Shivaji Maharaj was a chivalrous king, a diplomat and the creator of Swarajya, a great personality in Indian history, Even today he is an inspiring leader for the youth. 19th of February 2021 was his 391th birth anniversary.

On this occasion to gain maximum participation from students of all the years, Student Council organized an 'Art Contest' for them. This was a student oriented activity to engage them in learning about the history and recreating it on the paper in an artistic way. Contestants had to submit their art forms based on Chhatrapati Shivaji Maharaj in any comfortable format.

## DIWALI FESTIVAL CELEBRATIONS

Every year during Diwali, the students and faculty get together for a Diwali party. This year, due to the pandemic it was not possible. However, this did not ruin the fun and festivities of Diwali. The Student Council organized 3 contests namely - Traditional dressing, Photography and Rangoli making Contests.

The participants were supposed to click pictures according to the contest they wanted to enter in and post them on their social media accounts and tag the official college page.

The students as well as faculty actively participated in the contest with great enthusiasm irrespective of the pandemic situation.



## WOMEN'S DAY CELEBRATION

International Women's Day is an occasion to celebrate the progress made towards achieving gender equality and women's empowerment but also to critically reflect on those accomplishments for women.

It is celebrated every year on the 8th of March. Women's Day was celebrated with great enthusiasm in our college with a presentation, a small quiz, and a poem which promoted women empowerment. A short presentation was delivered by Sakshi Bhalerao, a council member, which gave an overview of the importance of women's day. The next part of the event was the quiz which was co-ordinated by Prithvi Desai.

The quiz was based on women who have made a mark in the field of Architecture by their work. Payal Bhutada presented a poem on the problems faced by women in our society and how we can come together and solve them. The program ended with a vote of thanks proposed by Prithvi Desai.



### NAAC VISIT TO MMCOA 27th - 28th January 2021

The NAAC peer team visited Marathwada Mitramandal's College of Architecture, Pune on Wednesday, 27th January 2021, to assess the performance of the institution. The team was offered a traditional welcome by the Principal, the Administrators and the students of the college. The team comprised of Chairperson Dr. Vairinder S Kanwar, Dr. Sandeep Dua, Member Coordinator and Committee Member Dr. Anil Dewan.

Process of assessment began with an in-depth interaction with the principal of the college Dr. Supriya Nene after she presented a short briefing of the overall performance.

The peer team interacted with the counsellor of the institution Dr. Dhanashree Ghare followed by an interaction with the faculty members and then with the student council members. The team members then visited the exhibition put up by the students, consisting of all their academic and extra curricular work. The team later interacted with students, parents, alumni and the office staff to obtain their perspective about the institutional performance. In the evening a Cultural Event based on the theme, "Navaras" was conducted wherein the students from all the years and batches performed acts, songs, and dances displaying a spectrum of talent leaving the audience spellbound.

On the next day i.e. the 28th of January the peer team members examined the infrastructure of the institution. During the exit the members of the team expressed their happiness and satisfaction about the performance of the college. They also suggested a few necessary steps for the improvement towards future development of the Institution.



# NAAC CULTURALS

The NAAC peer team visited Marathwada Mitramandal's College of Architecture, Pune on Wednesday, 27th January 2021, to assess the performance of the institution.

The team comprised of the Chairperson Dr. Vairinder S Kanwar, Dr. Sandeep Dua, Member Coordinator and Committee Member Dr. Anil Dewan. During this process it was made sure that all the COVID-19 norms and social distancing was followed.

Afterwards, committee interacted with the counselor of the institution Dr. Dhanashree Ghare followed by an interaction with the faculty members and then with the student council members.



The team later interacted with students, parents, alumni and the office staff to obtain their perspective about the institutional performance.

In the evening a Cultural Event based on the theme, "Navaras" was conducted wherein students from all the years and batches performed acts, songs, and dances displaying a spectrum of talent leaving the audience spellbound. At the end of the day, the peer team members were presented with their portraits sketched by students of the MMCOA as a token of appreciation.

On the next day i.e. the 28th of January the peer team members reviewed the infrastructure of the institution. During the exit the members of the team expressed their happiness and satisfaction about the performance of the college. They also suggested a few necessary steps for improvement for future development of the Institution.





Ar. Aparna Kapoor ('94 Batch)  
Practicing Architect Delhi & NCR

We all know a bird's eye view, worm's eye view. Let's discuss an architect's view today. Well, now that would require me to write perhaps the longest article ever, because we Architects seem to have a 'point of view' for practically EVERYTHING on the face of the Earth! And apparently it 'coincidentally' seems to differ

from the 'rest of the people' not once but almost always. I am sure the feeling resonates with every architect reading this article. If analyzed quickly, the reason is that architects are thinkers, planners. The term 'plan' itself implies at something in the future, right? So we as 'planners' carve out a future in a way; thanks to our imagination, creativity, foresight and visualization. On a lighter note, the grilling viva sessions, the endless 'redos' and the scary jury brings out that hidden talent in all of us to think beyond!

Hence, it is very important to have an 'architect's view' in everything which matters!

All this was not to boast about an architect's saga but to get your attention to a more serious topic - the global scenario of a changed society and its norms because of the pandemic. The last year and a half has been a roller coaster ride for the world, a scary one at that. Our lives went for a toss and everyone's lifestyle took a 180 degree turn. A lot of realizations, modifications, and introspections were part of dealing with the situation. The world is coming back to its feet, but with a changed perspective in many aspects of life, because unfortunately, the virus is here to stay.

Here's where we architects take an entry. Since our profession is closely knit with people's lifestyle, we have to realise our responsibilities and perhaps change the way we plan their spaces to live, move, work, entertain, play, party, exercise, travel etc. As mentioned earlier, we are the future makers in a way and everything associated with not only the term "roof over one's head" but also "open spaces" has an architect's involvement in one way or the other.

Let's come straight to the point now. The topic is vast, but we will broadly yet briefly chalk out the areas where we need to alter our thinking pattern, and eventually our 'planning'.

## MACRO PLANNING

### Urban planning

The crisis has made us realise the importance of satellite townships which we studied in perhaps the third year of architecture. Every city, every town needs to be independent in all aspects; be it inward planning of residential areas (including crisis management of every kind like makeshift health care services, availability of essentials, etc.) or be it a flexible planning of health care centers, hospitals, schools and other larger buildings where they could always spread out and make room for more. Fluidity in design in every structure, especially public buildings should now be the new design criteria. There are already some common infrastructure mandates like firefighting and public movement areas which we are following, but there's a need to revisit and redefine them so that in an emergency, every building can change its function without much effort.

We do not need to develop just the metropolitan cities anymore, but create satellite towns so that every city fights for its own survival successfully without wasting time at all. We have seen the faces of the migrants being stuck and going through hell. With a wholesome planning of every city and town, we will solve the problem of migration too. People will find jobs locally and the local labour will not be jobless. We know how our metros are overflowing, which results in the collapse of the infrastructure every now and then. Should I call this situation a blessing in disguise? Well, why not; after all, architects are quite positive people, right?

### Movement

The roads necessarily have to have an emergency lane to let the vehicles like ambulances and PCR vans pass. We have seen that every breath counts – quite literally! The connectivity and bypasses have to be planned with intricacy, giving us the freedom to connect or isolate any particular area of a city.

### Open areas

More green pockets need to be created. The internal planning of open parks also needs to focus on social distancing norms so that one can at least walk around freely.

## MICRO LEVEL - SPACE PLANNING

### Transit areas

Earlier the transit areas were restricted to only a few spaces and were not so essential for every building. But since the sanitization protocol is a must to enter even a small apartment now, we need to create those buffer zones now for not only hotel lobbies and airports, but every public building like schools, colleges, commercial buildings, independent houses and apartments. Of course, the size and layout of these areas may differ from function to function of the building in question, but the buffer zone is the new area which has become as important as providing a toilet in every building.

### Social distancing

Practically every building, small or big, every activity which any person does outside his house needs to be carefully streamlined and channelized in a way that creating a social distance is a default criterion in our layouts and space planning. Imagine spaces - schools, colleges, restaurants, bus stands, airports - the list can be endless - and you would realise what we are talking about. So we need to design with a difference now. Broadly, our layouts need to be looking inward rather than being a cohesive. They need to be ones focusing on every individual separately and at the same time dealing with and handling large groups.

### Flexibility of zones

Being locked up inside for months, we have realized that our homes have to not only be self-reliant, but also flexible in a big way. Don't you think it would've been lovely if we could move the walls and give a new look and feel to our house every week? We should be able to rearrange the layout in order to create new areas. The freshness this flexibility would give us inside our own house would definitely help us in coping up with the stagnancy, boredom and monotony which come with quarantine and save us from being frustrated and depressed to see the same enclosure around us all the time. We can consider walls with wheels with an option of altering their sizes! A revolutionary idea...think about it!





### Dual functions

WFH (working from home) is the abbreviation which has recently surfaced in our vocabulary. Almost every household is now functioning like a convertible office area. Many of us had to make space in our homes to accommodate a fully functional office space. So perhaps in future every dwelling unit would require an additional office area to be included as an essentiality. Now we have also understood that by working from home, we can work efficiently on saving the establishing cost and travelling time, not to forget how much we save on fuel and contribute towards the environment in so many ways - directly and indirectly. Looking at all this, some of the large business houses have decided to adapt the WFH policy for good.

### Surfaces

The specifications and material selection is the next step in executing a project after planning. I feel that after this pandemic, even the selection of material will have to be reviewed. With sanitization becoming the new lifeline and a hope for survival, every surface needs to be carefully selected in order to make sure that it could be scrubbed, washed and wiped clean without damaging the material or the aesthetics.

### Sustainability

We, as planners, have been shouting from roof tops to save the environment and have been vouching for an energy saving methodology in planning, rain water harvesting, vernacular architecture etc. These are not only alternate ways to making buildings, but are socially relevant topics which need to be seriously considered. Opting for such structures and architecture, we, as a society, can make a difference for sure.

And with the changed mindset of people after the first loop of the roller coaster ride of this pandemic, I feel now is the right time to implement all that, which all sensitive architects wanted to practice since a long time now.

### Summary

So after making a lot of bird's eye views and worm's eye views for our client presentations, it's about time we unveil the architect's point of view to our society about things they are perhaps experiencing, but are not aware of, and try to make a healthy change in our society.

How appropriate is the quote by Ar. I.M. Pei in today's context and so relevant to the content of my article – "Life is Architecture and Architecture is the mirror of life."



Ar. Asmita Patwardhan  
( '96 Batch)

### UNSUNG HEROES, UNSEEN PEOPLE

Architectural education imparted to students during the course of five years, remains more or less limited to what happens on the drawing boards and what happens in offices. An architect's job is to bring to life a vision that his client has seen which suits his requirements, budget and time. The project, that is meticulously designed and exists on paper, needs to be executed on sites with equal diligence. This third aspect, beyond studios and offices, is where our real "unsung heroes" exist. The entire success of a project rests upon three factors accurate drawings, stringent supervision and quality control and excellent workmanship. Labour is an indispensable part of the building industry and hence our attitude towards them and understanding of their role is vital to a projects smooth execution.

India is a country that has an abundant supply of skilled/unskilled labour which is available at an economic cost. The one picture of the pandemic that will remain forever etched in our minds is that of the migrant workers fleeing cities in the first lockdown. It portrayed a sad and dismal representation of a workforce that literally builds Modern India. About 9% of the GDP is contributed by the construction sector alone and it employs close to 44 million workers across India. Our building industry is rapidly assuming third position, in becoming the second largest employer in the country. There was a speculation in the pre-pandemic times that in all probability, by 2025, Indian construction market would be the third largest market in the world.

In recent times several legal measures like Acts, have been put in place as a mechanism to achieve social welfare legislation and they aim to benefit workers engaged in building and construction activities. Acts like Building and Construction workers Act, 1996 (BOCW) focuses on their safety, health and welfare measures and are supposed to be mandatory, yet the condition of labourers is far from perfect. Although as an Architect our association with labour is mostly through contactors we can start by acknowledging their contribution and extending an empathetic approach to their situation so as to impact our work ethic and value system in a positive manner. It is said that actions speak louder than words so any steps taken to better their living standards and adding quality of life to them are much needed in today's day. Following are three poems penned to give a voice to their silent pleas.



## मेरा देश महान

मेरा देश महान  
हम ये कहते नहीं थक्के  
सर झुकाता है सारा जहान  
हिंदुस्तानियों के रहते

यहाँ डाल डाल पर सोने की चिड़िया करती है बसेरा  
नानी की कहानियों में गुड़े गुड़ी और परियों का डेरा

अरे निकलो इस सुनेहरे सपने से  
आओ रूबरू कराउ तुम्हे इस कठोर सत्य से  
भर आएंगे सैकड़ों के नैना  
सुन इस देश का एक सच घिनौना

यहाँ लड़की माल है  
मोरनी जैसी उसकी चाल है  
बस चुल्हे तक उसकी पहचान है  
फिर भी मेरा देश महान है

यहाँ किसान अपना पसीना बहाता है  
जिस्की कमाई नेता खा जाता है  
इस्का लुत्फ उठाता सारा जहान है  
फिर भी मेरा देश महान है

किया जाता है आरक्षण, जाति के आधार पर  
कैसा ये कानून नादान है  
जातिवाद को देता ये बढ़ावा मगर  
फिर भी मेरा देश महान है

कहते हम इसे धरती माँ  
पर कुड़ा फेक इस्का करते अपमान है  
गंदगी चारों ओर यहाँ  
फिर भी मेरा देश महान है

लड़का लड़के के साथ नहीं रह सकता लड़की लड़की से प्यार नहीं कर सकती  
ये कहने वाले हम कौन है  
इतनी छोटी सोच रखता है समाज  
फिर भी मेरा देश महान है

क्या घृणा नहीं आती ये सोच कर

~ पायल भुतडा  
एस. वाय. बी. आर्च



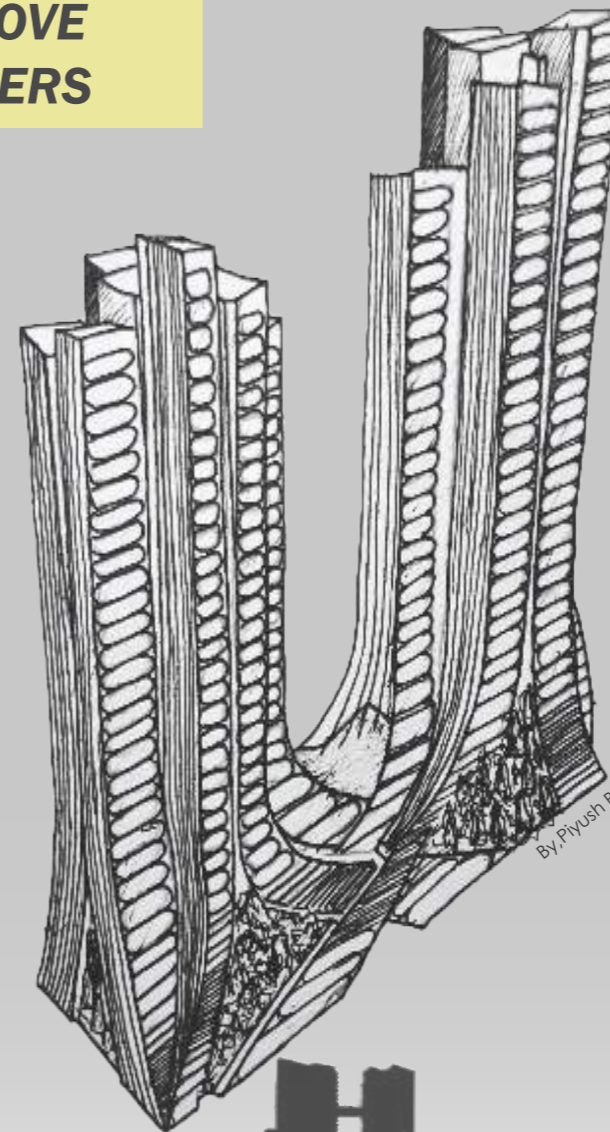


**AR. SANDEEP SHIKRE**

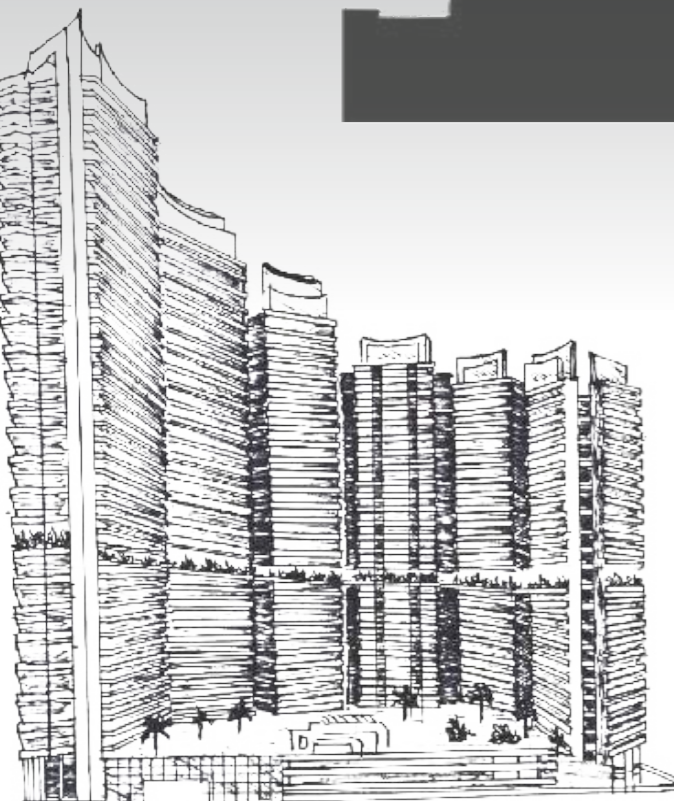
Ar. Sandeep Shikre believes in offering tailor-made, case-specific and well-defined solutions to each project, ensuring the design is not governed by a specific style but instead is an architecture that can stand the test of time. Sandeep believes that Architecture is a comprehensive approach, which combines the hard skills of design and the soft skills of human connection and experience. In a nutshell, it's all about space, people and happiness.

*SSA believes that, "Architecture is a creative side, it's a mechanism of space planning which is for the people and it is beyond any boundaries so they call it Architecture beyond boundaries".*

**GROOVE TOWERS**

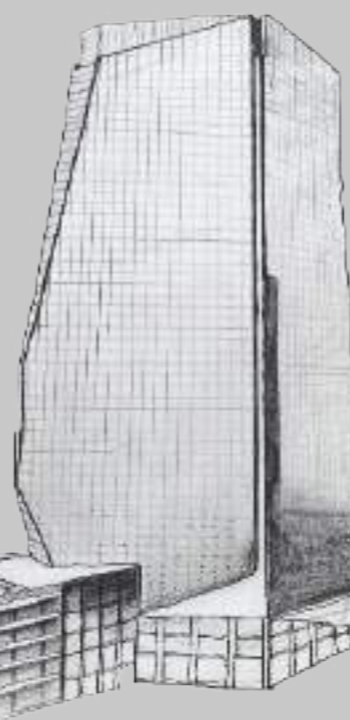


- Client: Ornate Spaces Pvt. Ltd.
- Location: Mumbai, India
  - Size: 93,000 m<sup>2</sup>
- Program: Residential, Parking, Detail
  - Height- 136 meters
- Design concept : Interwove floors house retail establishments, while the upper floors will be given over to residential units.
- This facade incorporates more than 2500 square meters of vertical garden space.



- They are 6 high rise residential towers arranged in the shape of a crescent.
- Crescent Bay embodies sustainable design principle and encourages conservation and optimal utilisation of natural resources
- Crescent Bay is designed to delight the eye. There is so much to admire in its scale, symmetry and sheer splendor.

**CRESCENT BAY**



- The building's architecture is inspired by the diamond. The edifice though is actually meant to shine in the night. The lighting detail in Kohinoor Square emerges like a shimmering array of diamonds alongside the glass facade.
  - Area -4.99 acres
  - Height -203 meters. (Diamond-shaped iconic Commercial Tower)
  - Height -135 meters fraternal twin (Residential Tower)

**KOHINOOR SQUARE**

## Faculty Achievements



### Dr. Supriya Nene

Felicitation by IIA, Pune chapter on Women's day for leadership and contribution in Architecture Education.

Citation by S.B. Patil College of Architecture & Design, Pune for outstanding contribution to the field of Architectural Education.

### Dr. Manas Rajendra Marathe

Participated and presented his research paper in the conference titled 'Talavs: The significance of urban and peri-urban water bodies in the landscape of Pune.' Sinhgad College of Architecture in collaboration with SPPU had organised a two-day National Conference titled 'Envisioning India 2050'.



### Prof. Jyoti Jain Tholiya

Presented her research paper at 2nd International conference on Sustainable Water Management, organized by Ministry of Jal Shakti, Govt. of India and received certificate for the same from Honorable Shri Rattan Lal Kataria Ji (Minister of State for Jal Shakti).

### Dr. Ujjwala Palsuley

7 th International Conference on Asian Studies, Kathmandu, Nepal. It was an important premier research conference, hosted by the Unique Conference, Canada and organized by the International Centre for Research & Development (ICRD), Sri Lanka.

Prof. Ujjwala Palsuley received the "Best Presenter" award at the conference and the research work was very well appreciated by the Session Chairs.



### Dr. Aparna Dixit

Received the Doctoral degree PhD in Architecture for the thesis on 'Use of Space Syntax as a Tool to Measure and Enhance the Functional Efficiency of Prime Internal Spaces of School Buildings' at the 107th Convocation program of RTMNU, Nagpur.

AESA Award – (Architects, Engineers And Surveyors' Association, Pune) AESA S J Contracts Award in Single Home Category for KOAN – A Private Residence.

### Dr. Shubhangi Shirole

Received the Doctoral degree PhD (Architecture) for the thesis on 'Role of traditional water related Architecture in Urban areas of India' at the 107th Convocation program of RTMNU, Nagpur.



## Student Achievements



### Securing the position of 2nd runner-up Hosted by- D.Y. Patil School of Architecture

I remember the day our faculty announced about the Research Competition during one of our RIA lectures. The thought of being an author of a research paper interested me for participating in the competition. The competition was announced during the 7th semester, giving us enough time for preparing well and working hard on our research papers.

The pandemic led to certain restrictions to the extent of our research process due to partial lockdown, movement restrictions and so on. My research guide, Ar. Jyoti Jain Tholiya and our RIA faculty encouraged, helped and supported me throughout the research process- from submitting an abstract for initial selection up to the final presentation.

It was an interesting journey which began with selecting a topic which I wanted to research upon and concluded with the result announcement. Interaction with the faculty about the topic, data collection, research method, formulation of result and culminating the entire work in the form of a paper was thoroughly inspiring and informative. The later stage, post selection for paper presentation, was to prepare for the final presentation in front of the jury panel.

The conference this year was held over 2 days, virtually, owing to the pandemic. It indeed was a task to present the paper online, My presentation was well received by the jury members and my fellow presenters. But the wait for the results which were announced on the second day, seemed everlasting. It was such a proud moment for me when I was announced as the 2nd runner up for the National Students' Conference for Research in Architecture. It was a moment of sheer joy, gratitude and pride when I told my teachers about the result! I was able to achieve this success while managing the academics due to immense support and encouragement of the faculty, parents and friends!

- Sanyukta Kulkarni  
Fr.Y.B.Arch

## Student Achievements



When I look back on my experience at the 'Khelo India Youth Games 2020,' held in Guwahati, Assam in January I can't help but think of resentment and bitterness turned into indescribable joy and confidence in myself. When I had initially appeared for the selection trials, I was cut from the final 12 to represent Maharashtra at the basketball event of the games. Never having been cut from a team before, this was a huge blow to my confidence and I began doubting my abilities as a basketball player. However, after speaking with my coach, I took her advice to heart and kept practicing every single day, waiting for the next opportunity to prove myself.

Little did I know that would present itself... just a few months later. Due to some problem with another player, a spot had opened up in the Maharashtra basketball team and I was called to fill it.

After finishing second in our pool in the league matches, we faced Punjab in the semifinals. Being a much taller and stronger team than us, everyone was sure they would beat us easily and reach the finals. However, with careful planning and strategizing, we shocked everyone and defeated them by a single point; with me scoring the winning shot in the final minute securing a podium finish for Maharashtra.

Even though we lost to Kerala in the finals, the 'Khelo India' games was one of the best events I have ever participated in. The entire experience from not even being on the team to scoring the medal winning shot for the state, taught me the importance of persistence and never giving up no matter what. So, even though I always aim for gold, the silver medal I got in Assam holds a very important place in my heart.

- Durga Dharmadhikari  
T.Y.B.Arch



**Angikam Bhuvanam yasya,  
vachikam sarva vangamayam |  
Aharyam Chandra-taaradhikam,  
tamnumaha satvikam shivam | |**

The above shloka depicts the greatness of Shiva, the god of dance of Bharatanatyam. It is one of India's classical dance styles and requires years of practice to get the necessary perfection while performing this art. Arangetram is known as the first step of the dancer on stage in front of the audience. 'Arangetram' comes from Tamil language.

I started perusing this art since I was in kindergarten. When my basics were clear and I was confident while performing those, Arangetram was planned to be performed on 1st July'18. When I say 'planned', it actually needs a lot of background work, such as auditorium hunting, financial planning, program lay-out and others helps like makeup artist, photographer, etc. While my parents were working on these background aspects, I was busy getting ready to perform on the stage live for straight 3 hours. This program requires practice a year.

During this practice, I was supposed to handle my studies for 12th boards as well, thus I had to plan my day accordingly. Practice used to go on around 7-8 hours daily with half hour's break. In order to increase the stamina, a good and healthy diet was suggested which included my home made meal and no junk at all. The concentration level started building up as we focused on more complex structures in dance. Since expressions is an eternal part of the classical dance, a separate practice session for these expressions was arranged once a week. A good sleep was necessary to regain the energy next day so my day was planned accordingly.

And finally the day arrived, where I started my day early in the morning. Around the afternoon time, the makeup artist started showing their magic on my face with his brushes and I got ready with the traditional attire. We started off the program by showing our gratitude towards gods, our guru and the audience. At the end of this program, we again thanked all of them for being there through this journey of Arangetram.

This was an amazing experience in my life for which I worked with my soul and would like to keep myself in an eternal joy of life.

**- Himali Bohodkar  
S.Y. B.Arch**



"Sometimes, I'll just start a sentence and I don't even know where it is going. I just hope I find it along the way"

-Michael Scott (The Office)

I had the exact same feeling about my tenure when I was elected as the Unit Designee in second year. Confused about the job-role and the responsibility bestowed upon me but with a hint of excitement, little did I know that this two-year journey would be cherished lifelong. In the initial stage it was quite hard to balance NASA with the academic schedule, but as time passed, I got better at managing and fulfilling my responsibility towards both. From introducing me to the various activities of the Association and covering up for me whenever required, Abhishek Mote (62nd Year U-Sec) has always been there guiding me throughout my Unit-Designee tenure. From going to meetings and planning the trophy and convention proceedings, to waiting in the office to get letters signed, and even messing up some of the work, I learned everything which eventually helped me in my tenure. All the conventions, meetings, site visits and the trophy work made me ready for my Unit Secretary tenure.

This year, the entire NASA forum was shifted to an online platform. Nevertheless, we, the MMCOA NASA team, performed surprisingly well. The number in which students participated was overwhelming, and the work produced in the end was extraordinary. The careful planning and dedication shown by students from both the second and third year towards all the trophies, has collectively helped us to increase the standard of our work at NASA.

After a span of 9 years our entries for the Louis Khan Trophy (LIK) and Writing Architecture Trophy (WAT) were shortlisted, and we bagged 'Special Mention 2' for our LIK entry. This being the highlight of the year has ignited a spark in the current students and will surely encourage students from the upcoming years to participate in NASA, to keep up with the added responsibility of maintaining our college reputation; and will also be encouraged to compete at other national level competitions.

Even though we did great, I surely missed the offline work: the sleepless nights in college, the 4am snacks and tea at Nalstop, all the frustration and drama of the students while working for NASA, and most importantly, bunking classes under the pretext of NASA. The energy and atmosphere of the conventions, working in buses and at airports before the conventions, the NASA council meets which lasted more than 28hrs. It was an exhausting but surely an amazing experience that I hope will resume soon.

From being overwhelmed by the amount of work to completing such a wonderful tenure, this post provided an opportunity for me to excel in various life skills like communicating in a formal setting, multi-tasking, making decisions (not to mention, taking responsibilities of wrong decisions) and managing all this in limited time. I would like to thank all my friends, batch mates and seniors who believed in me and always supported me, be it NASA or academic work, and motivated me to do better. I would also like to thank all the faculty members for their help and co-operation.

- Pradyumna Bhavsar  
T.Y.B.Arch



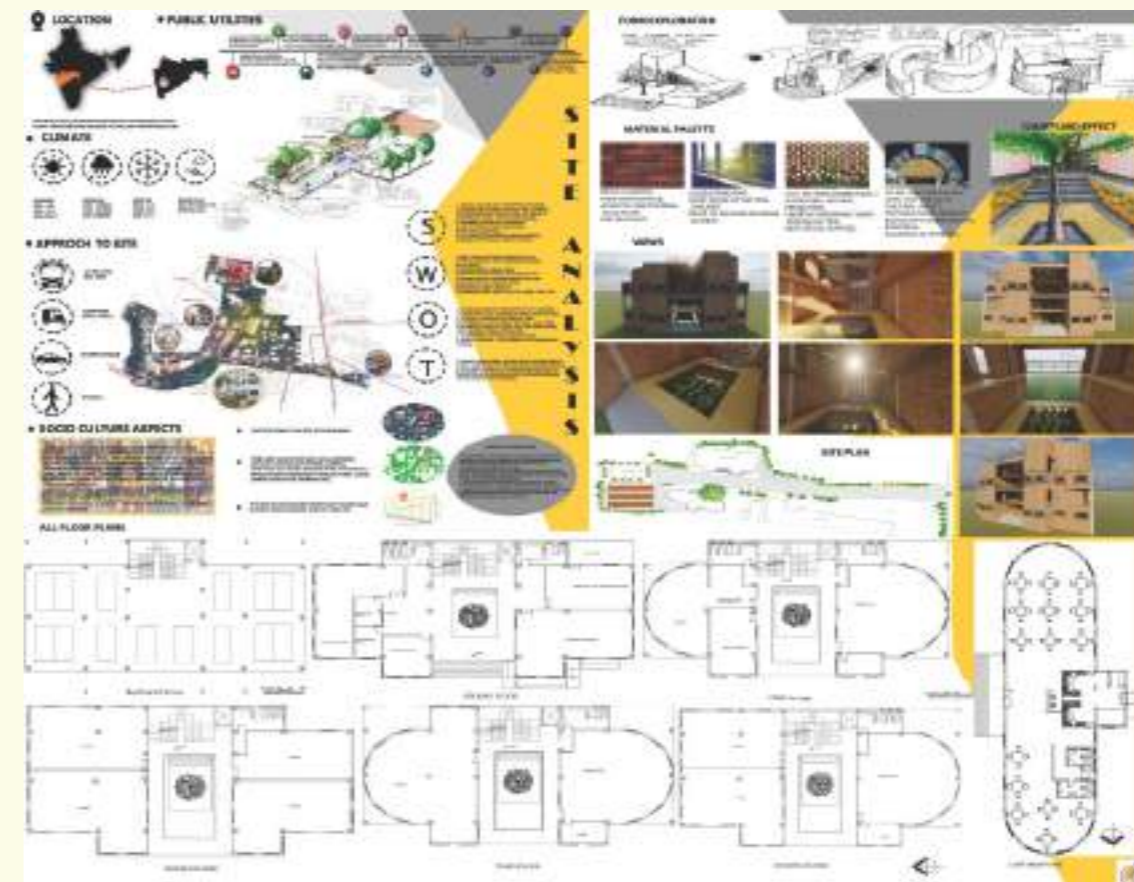
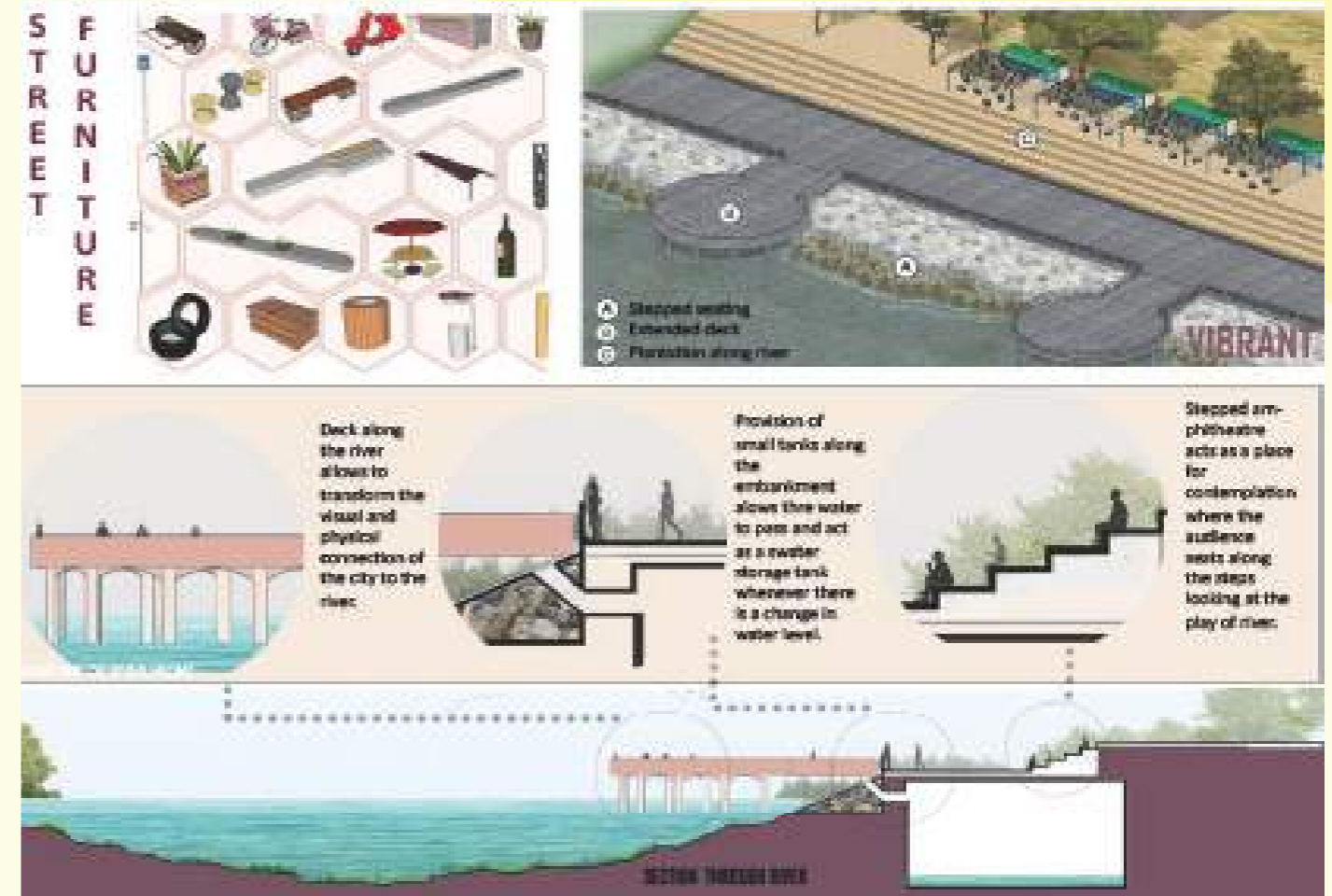
“Music touches us emotionally, where words alone can't”. - Johnny Depp

Music has been a part of me since childhood. I've had the passion of singing classical, bollywood, rock and pop, and almost every genre since then. In this pandemic, people were losing hope and it was a very difficult time for everyone in the world, hence I decided to share and help with what I could which is my voice, thought about what i felt sitting in my isolated room, with a pen in my hand and my keyboard in front of me thinking of how there's othing to do, can't get out, the favorite words to my first ever single, “In this darkness” is, “the more we stay inside the sooner they'll let us outside”. The one sentence everyone was talking about. I did help a lot of people with this song, the response was just overwhelming to me. Everyone was getting the hope and faith they've been wanting. I got inspired by the same and wrote another Hindi single 'khushi' which is a reminder to everyone who is finding happiness somewhere else in some people or some places. We need to keep reminding ourselves that our happiness lies within ourselves.

I am going to keep on thriving in my passion and keep helping people with such motivational and relatable songs. With this note I hope that all are well and we listen to our heart and the music which touches our soul.

- Manpreet Bansal  
Fr.Y.B.Arch

T.Y. - Rajvi P, Rachita C.



T.Y. -  
Isha N,  
Purna T,  
Manasi K,  
Pradnya S



Goan culture in a glance

**Site Selection:**

In December 2019, we did settlement study in Saligao, Goa. At that time we also visited Ar. Gerard Da Cunha and we were inspired by his work. The structures we visited were Houses of Goa Museum, Nisha's Play School and Shiksha Niketan School. All of his structures were designed using local materials, techniques and traditional architectural elements in a modern way.

When the brief was released, we instantly recognized Ar. Gerard Da Cunha were working on the similar lines and we selected Shiksha Niketan School.

**About Shiksha Niketan School:**

It is a primary school built in levels on a steep slope thus making it merging with the landscape. The innovative design of the spaces makes the project distinctive among the other structures designed by the Architect.

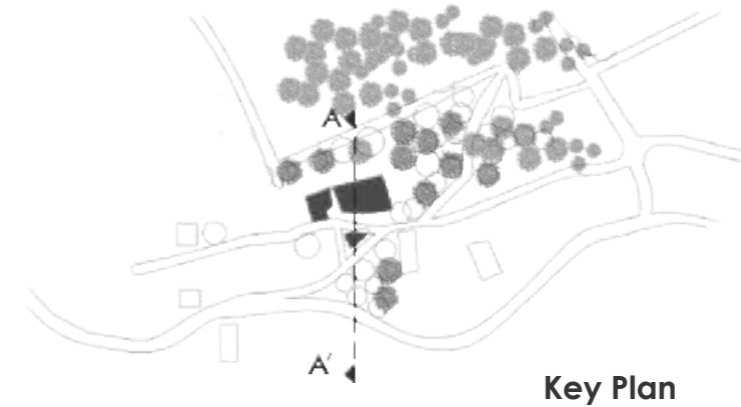


Front view of Shiksha niketan School, Goa

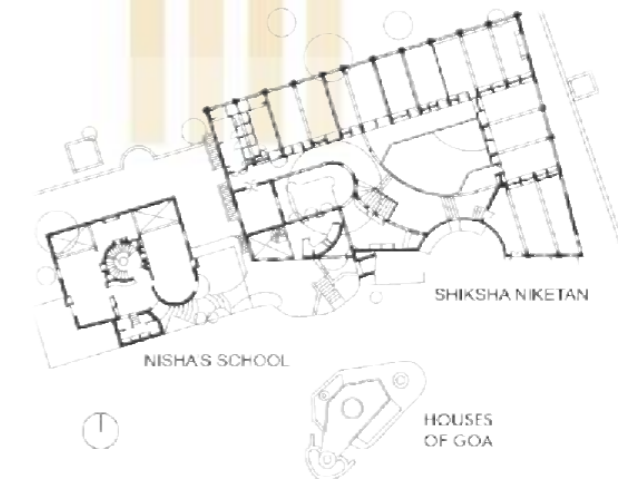
**Competition Brief:**

This year theme of the 'Louis I. Kahn Trophy' was 'Vernacular Traditions: Contemporary Architecture'. Students were supposed to analyse a recently built structure with contemporary vernacular architecture. The structure was supposed to be something besides residential or religious typology.

LIK Trophy is always related to documentation and site visits of the structures. But this year due to pandemic it was more leaned towards analytical part.



Key Plan



Site Plan

**Working Process:**

Since some of us have already worked in the last year's LIK trophy, their experiences guided others. After finalising the project we approached the Architect and took his interview. He gave us the working drawings shared some of his experiences working in the field. It was our task to understand, analyse and represent the thought process behind the execution of the structure.

We went through our last years mistakes and improved the presentation techniques. We scrolled through the winning entries of recent years and incorporated the positive things.

It was a difficult task to balance the academics, NAAC event and competition while working in isolation. Although we were unable to compile the work we produced in the final submission but the efforts taken by the whole team were commendable.

**Achievement:**

Some of us lost hope and some of us hadn't. In the first stage we were selected in 'top 5' nationwide entries and in the final stage we got the 'second citation'. In the end representing our college on a national platform and the learning experience was more than any achievement.



Celebrating completion of the Trophy





**Ar. Rohit Sardesai**

Urban housing is a major thrust area for Indian Government with ambitious targets of Housing for all by 2030. Recent changes in building control regulations and the introduction of Unified Development Control Promotion Regulations introduced in 2020 have increased development potential in Tier 2 & Tier 3 cities by at least 100%. This will result in more high-rise building getting planned and developed in coming 4-6 years' timeframe.

In Pune city currently average residential buildings are either 14 floors (Height – below 45m) or 22 floors (Height -Below 70m) but with these modifications taking place we expect buildings to be 30 floors and above. To cater to needs for such high-rise towers of 30 floors and above proper project planning and execution is very important. Along with architectural and structural design building services will play an important role in coming years. From a long-term sustainability of building with life expectancy of RCC structures anywhere between 50-70 years building services play an important role acting as the HEART of the building. As services grow in importance their interdependency and complexity are two key factors which cannot be overlooked.

As Architect his role will become more important to plan and provide spaces for all these services and have early-stage design co-ordination using BIM technology. Architects will no longer be used only to design great looking buildings but are expected to become central pivot in designing process who actively will engage various stakeholders to get design which give proper justice to various needs of high-rise buildings. Typically, residential buildings will have following types of services and their key components:-

- Water Supply – Source/ Demand/Storage capacity/ Treatment/Distribution.
- Drainage System – Wastewater/soil water/rainwater collection/ transfer/Treatment/ Reuse of Water/ Rainwater Harvesting.
- Garbage Systems – Wet and Dry garbage collection/ process/treatment/Reuse of wet garbage as compost.
- Electrical Systems – HT and LT supply/ Demand/HT step down transformers/ DG sets/ Power supply distribution/ Meters/ Internal LT distribution/Electrical Protections/Lightening arrestors/Earthing Systems.
- Vertical Transportation Systems- High speed elevators/ Stretcher Lifts
- Solar Hot water systems and Solar PV electrical systems with NET METER
- Fire Protection System consisting of Fire Detection and Fire Fighting systems, Staircase pressurization/ Basement ventilation systems.
- Building LV system for Data & Voice/ DTH system for digital contents/ CCTV systems analog & IP based/ FTTH networks
- Multi-level Car parking systems/ Parking Towers.

In each and every building service type, over years there has been lot of technological advances and refined systems which are available in the market and proper selection and use of such systems is very crucial during initial design development while you optimize the design brief.

The demand for good quality water has been of utmost importance and availability of local government body is getting reduced day by day so it is very important to have proper water treatment systems like use of modular WTP plans, efficient pumping by way of vertical multistage pumps/ Ultrasonic water Flow meters to control and measure actual water consumption to each flat owner and selection of CP & Sanitary fixtures which are water efficient is very important.

In Drainage systems availability of shafts and requirement to run horizontal drainage line transfer has prompted to go in for Single Stack system with advance materials like use of HDPE piping system, Proper design of STP and modular expansion of capacity is something which one should always look upto. Treated STP water with good tertiary water treatment will enhance the water quality and STP treated water can be used for non-potable water requirements like flushing, gardening, car wash etc. thereby reducing overall demand for fresh water. Proper storage and sorting place is a key for Garbage management system, good choice of OWC technology like semi-automatic or fully automatic will help 100% processing of wet garbage getting generated in housing societies getting converted in compost which can be used for landscape purpose thus it self-sustainable process.

To cater the fire protection strategy, NBC 2016 guideline have introduced concept of FIRE TOWER in high-rise buildings. Fire tower will consist of one stretcher lift and fire staircase along with fire shaft located within fire tower independent access has affected the common area ratio. High rise building poses major challenge in terms of fire protection of structure and each habitable space is planned with addressable fire detection system giving warning about potential fire condition and compulsory use of fire sprinklers with vertical hydrant system.

For electrical distribution based on project size adequate space for transformer rooms or HT Yard needs to be provided. For high-rise buildings each apartment units would be fed with electrical power using vertical bus ducts and meters at each floor against conventional logic of placing meter room at ground floor and laying submains in electrical ducts. Adequate numbers and sizes of shafts are required to carry both electrical as well as LV network the manage Highrise building requirements.

With recent advances in digital technology, demands for high-speed internet having speed of 1000Mbps is now the norm for residential buildings. With FTTH technology it can be managed seamlessly and single fiber backbone network can carry DATA/ VOICE/ DTH services making it optimum utilization of the infrastructure.

With denser developments getting planned for residential developments, need of parking spaces have also been posing major challenge in terms of planning such spaces. Most of the projects will now have multiple basements and multi-level podiums. Such spaces need proper ventilation systems and fire protection systems. Most podiums will now have large landscaped roof tops with amenities like club house and swimming pool play areas and garden leading to podium structures becoming more complex requiring great detailing in terms of MEP and structural co-ordination.

Future is very bright for those who understand the whole project and environment of High-rise building design and execution and as design managers, Architects will play a lead role to design high-rise buildings as sustainable development for coming generations.

**- Ar.Rohit Sardesai**  
Vice president, Kumar Properties



By, Piyush Bhajekar



By, Sanjana Akhade



By, Aniruddha Deshmukh



# VERNALCULAR ARCHITECTURE



# BIJU BHASKAR



**Founder:** BIJU BHASKAR- Founded Thannal Hand Sculpted Homes in 2011

**Co-Founder:** SINDHU BHASKAR ,w/o Biju Bhaskar, involved in soft furnishing, handmade accessories, plants, herbs and continuing her experiments in natural finishes.

They take different proposals so that Mud buildings can be portrayed in different scales, not just residential projects.



TIRU VANNA MALAI, TAMIL NADU

## 1. EARTHBAG HOME

Built-Up Area: 550 Sq. Ft (52 Sq. M)

- Around 1000 earth bags were made using soil from the site. To produce 1000 bags it will take less than 15 days with 2 men and 2 women. It will cost less than baked bricks to do this 1.5 feet thick walls.

- Use of different plaster, mortar paste mixes made out of Prickly pear juice, aloe vera, tamarind seed, Haritaki, sticky rice juice, tapioca starch, etc. and with a touch of tailored coconut leaf roof is followed by them.



SKETCH BY PIYUSH BHAJEKAR

## 2. Erikarai Cob home under Arunacha

- Area of just 350 sq. ft. which also including verandah
- Material palette of just lime, mud, terracotta and bamboo
- Total cost of construction was under Rs 85,000.



“ Build your Architecture from what is beneath your feet. ”

*hassan fathy*

## डॉ. मानस राजेंद्र मराठे

लॉरी बेकर (१९१७-२००७)

भारतीय संस्कृती, भारतीय सामाजिक व्यवस्था, सर्वसामान्यांची आर्थिकस्थिती, या बाबींचा विचार करून येथील हवामानाला साजेशी वास्तुशैली विकसित करण्याचे श्रेय वास्तुरचनाकार लॉरी बेकर यांना जाते. मूळ इंग्लिश वंशाचे बेकर १९४५ साली भारतात आले आणि येथील मातीशी एकरूप झाले. भारतातच त्यांची वास्तुकला बहरली व नावारूपास आली.

लॉरी बेकर यांचा जन्म २ मार्च, १९१७ रोजी बर्मिंघॅम येथे झाला. १९३७ साली बेकर यांनी बर्मिंघॅम विद्यापीठातून वास्तुकलेचे शिक्षण पूर्ण केले. इंग्लंडमध्ये वास्तुरचनाकार म्हणून काम करण्याची संधी त्यांना मिळाली नाही. दुसऱ्या महायुद्धात जखमी झालेल्या इंग्लिश सैनिकांची सेवा करण्यास्तव त्यांना इंग्लिश सरकारकडून चीनला पाठवण्यात आले. तसेच तेथून काही काळ त्यांना बर्मा येथे कुष्ठरोग्यांची सेवा करण्यासाठी जावे लागले. येथे त्यांची तब्येत ढासळली आणि त्यांनी इंग्लंडला परतण्याचा निर्णय घेतला. जहाजातून इंग्लंडला परतताना, मुंबईच्या बंदरावर त्यांची महात्मा गांधींशी गाठ पडली. अल्पशः भेटीत बेकर गांधीजींपासून इतके प्रेरित झाले की त्यांच्या जीवनाला एक वेगळीच कलाटणी लाभली.

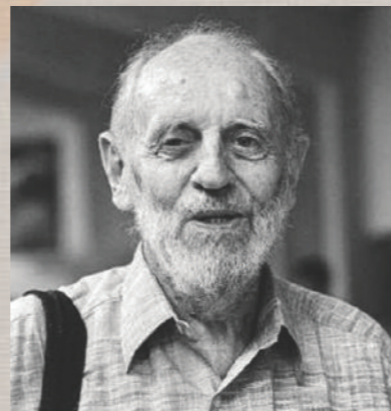
१९४५ साली भारतात कुष्ठरोग्यांची सेवा करण्यासाठी एका सेवाभावी संस्थेला एका तज्ञ जाणकाराची गरज होती. तसेच कुष्ठरोग्यांसाठी दवाखाना बांधण्यासाठी एका वास्तुरचनाकाराची सुद्धा नितांत गरज होती. जेव्हा ही बातमी इंग्लंडला बेकर यांच्या पर्यंत पोहोचली, तेव्हा गांधीजींच्या तत्वांनी आधीच भारावलेले बेकर ताबडतोब भारतात पिटोरगढ येथे कायमचे निघून आले. पिटोरगढ मध्ये कुष्ठरोग्यांची सेवा करीत असतानाच, ते डोंगराळ भागातील वास्तुशैलीचे बारकावे हेरू लागले. स्थानिक कामगार, कारागीर यांच्याकडून त्यांनी बांधकामाची पद्धत सहजरित्या आत्मसात केली. याच दरम्यान त्यांचा एलिझाबेथ जेकोब हिच्याबरोबर विवाह झाला. पिटोरगढ येथे बेकर यांनी दवाखाने, सेवाभावी संस्था व अनेक घरांची रचना आणि बांधकाम केले.

तब्बल १६ वर्षे पिटोरगढमध्ये राहिल्यावर, १९६३ साली बेकर आणि त्यांच्या पत्नी केरळ येथे वाकामोनला रहावयास आले. वास्तुरचनाकार म्हणून लॉरी बेकर यांची कारकीर्द बहरली ती केरळ येथेच. केरळ येथे व खास करून त्रिवेंद्रम जिल्ह्यात त्यांनी वीट, जांभा दगड, चुना, शेण, माती यांच्या सहाय्याने हजारो घरे सर्वसामान्यांसाठी अत्यंत वाजवी दरात बांधली. ही सारी घरे केरळच्या हवामानाला साजेशी तर होतीच; पण त्याहीपलीकडे जाऊन कुठल्याही प्रकारे पर्यावरणाला हानी न पोहोचवता बांधली गेली होती. भिंत बांधत असताना ती केरळच्या हवामानाला मानवणारी असावी व विटांची देखील बचत व्हावी या हेतूने त्यांनी विटांच्या अनेक नावीन्यपूर्ण रचनांची निर्मिती केली. निरनिराळ्या वास्तु उभारीत असताना, कामगारांना देखील जास्तीतजास्त रोजगार कसा मिळेल याकडे लक्ष दिले.

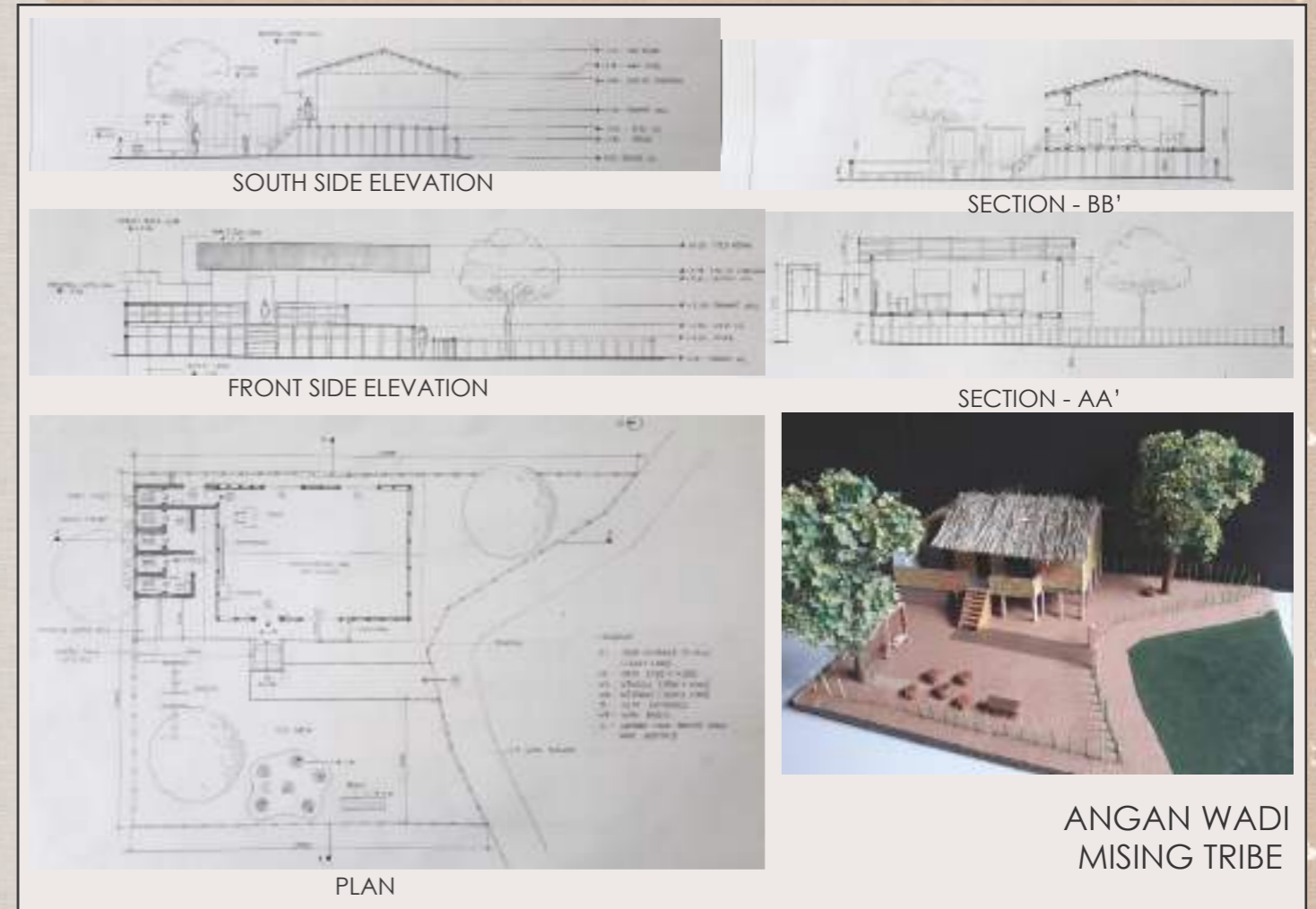
केरळ येथील सेंटर फॉर डेव्हलपमेंट स्टडीज, चित्रलेखा स्टुडीओ, लॉयोला चर्च ही बेकर यांच्या वास्तुशैलीची उत्तम उदाहरणे आहेत. १९८८ साली बेकर यांना भारतीय नागरिकत्व प्रदान करण्यात आले. चार दशकांहून अधिक वास्तुकलेची अखंड सेवा केल्याबद्दल बेकर यांचा १९९० साली पद्मश्री देऊन गौरव करण्यात आला. १ एप्रिल २००७ रोजी वयाच्या एकव्याणव्या वर्षी बेकर यांचे निधन झाले. त्यांनी उभारलेल्या वास्तूमधून त्यांच्या स्मृती आजतागायत जिवंत आहेत.

आर. लॉरी बेकर

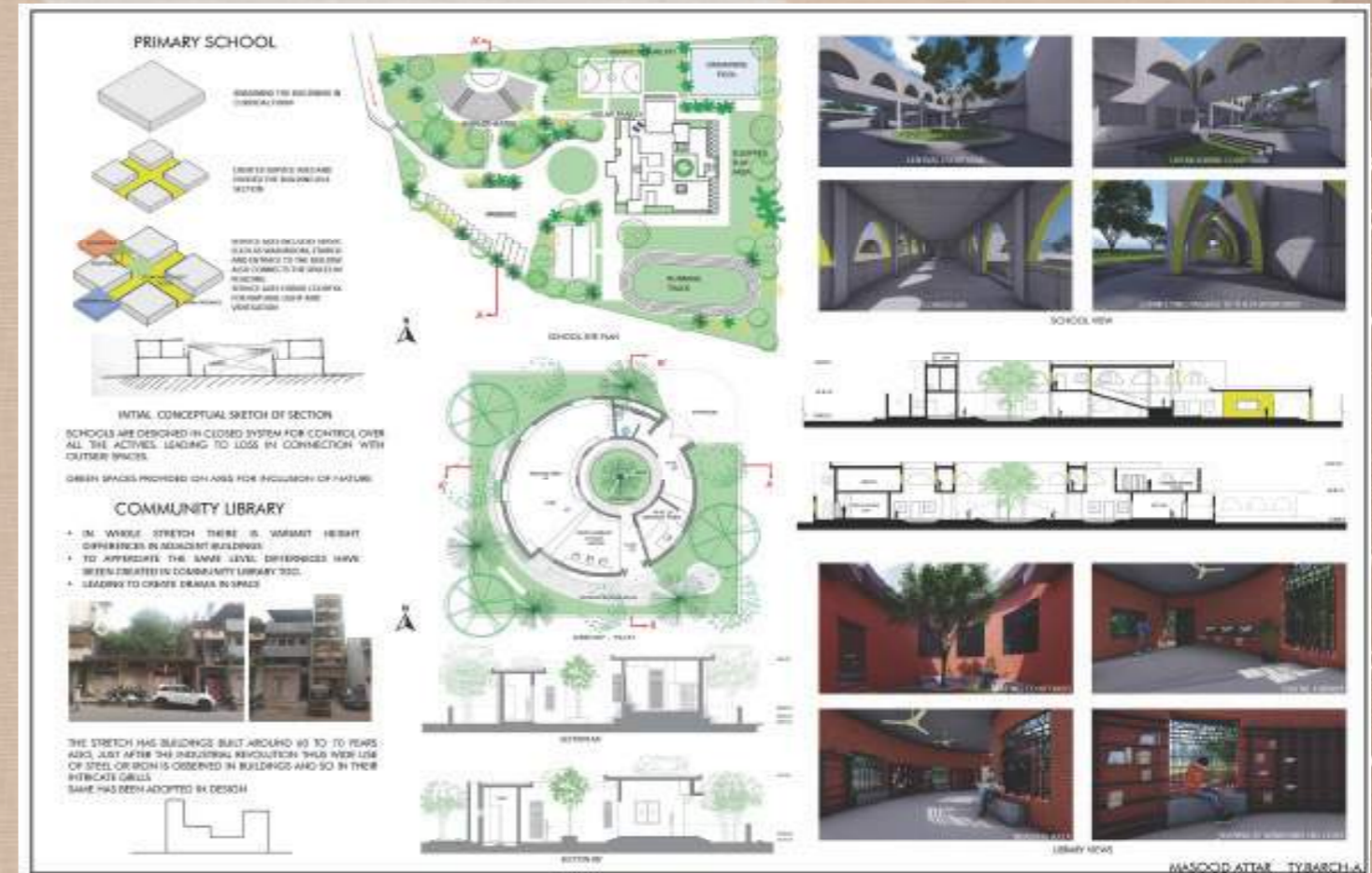
सेंटर फॉर डेव्हलपमेंट स्टडीज



## DESIGN PROJECT - FIRST YEAR ; Piyush Bhajekar



## DESIGN PROJECT - SECOND YEAR ; Masood Attar



**Site**  
Location - Nalanda Road, Pune, Dist. Pune  
Zone - MH-1, Maharashtra Planning  
Zone - P-100/100/100/100

**Pertinence**  
The bustling city cores nowadays are lacking of spaces which can act as a brief or pause for the people who are being part of the urban fabric on the daily basis. These public spaces are significant in the scales of political, social and cultural arena. The need of commercial building for instance, socialize as well as give one the others for the pause in the daily routine.

**Legend**  
1. Entrance Lobby  
2. Waiting Area  
3. Ladies Toilet  
4. Gents Toilet  
5. Activity Center  
6. Multipurpose Pavilion  
7. Water Body  
8. Public Library  
9. AV Room  
10. Accounts  
11. outdoor Seating  
12. Space For Vendors  
13. Outdoor Stage

**Site Plan**  
**Vision** - To break the monotony of building on the hillside by serving user experience.

**Exploded View**  
This all color blow up view shows the stepped platform, dedicated for vendors and food stalls with its storage in the corner leading to elevated plaza. This space can have temporal use in future seasons for social programs. The plaza has an elevated deck overlooking the market and streets. The usability at the double height entrance generate a welcoming gesture.

**Urban Pauses, Pune**  
Public Building - 100 x 100 x 100

**Deck And open Amphitheatre view**

**Open up amphitheatre view**

**Entrance View**

**Views of Model**

**HOUSING PROJECT FOR AIRPORT STAFF**

NEW INTERNATIONAL AIRPORT IS PROPOSED NEAR SASIVAD TO SERVE THE CITY OF PUNE. IT IS ONE OF THE URBAN CENTRES IN PMRDA AND IS LOCATED 37 KM FROM PUNE. AN AIRPORT AUTHORITY INDIA UNDER PMRDA AIMS TO DESIGN A RESIDENTIAL COMMUNITY SPACE FOR THEIR OFFICIALS AND WORKING STAFF. THE SITE IS OWNED AND FACILITATED BY THE AUTHORITY AND THE HOUSING COMPLEX WILL BE DEVELOPED BY AIRPORT AUTHORITY OF INDIA.

THIS PROPOSAL AIMS AT PROBING THE VARIOUS PROBLEMS OF HIGH RISE LIVING AND MANIFESTING THEM IN PRACTICAL SOLUTIONS, KEEPING HUMAN INTERACTIONS AND OPEN SPACES AT PRIORITY.

**VOLUMETRIC STUDY**  
VOLUMETRIC IS DESIGNED SUCH THAT VARIOUS VOIDS ARE CREATED IN THE BUILDINGS AND DOUBLE AND TRIPPLE HEIGHTS ARE CREATED SERVING AS GATHERING SPACES AND GREEN ROOFS AS WELL AS REFUGE AREAS ARE BEING SERVED AT REQUIRED LOCATIONS.  
TRANSITION SPACES AND GREEN AREAS ARE PLACED AT CENTRAL SPACE AND BUILDINGS ARE GIVEN APPROPRIATE HEIGHTS AND VOIDS SUCH THAT VISUAL CONNECTIVITY IS NOT OBSTRUCTED.

**VAISHNAVI NAGARKAR, PR. Y BARCH**

**URBAN DESIGN-MIXED USE BUILDING**

- A BUILDING IS A MIXED USE BUILDING.
- BEING IN TOD ZONE, THE BUILDING IS NON COMPOUNDED PROMOTING THE PEDISTRIANS TO ENTER THE SITE.
- THE PLACING OF "HAAT" (MARKET) IS ON THE GROUND FLOOR THAT ENABLES PEOPLE TO ENTER THE SITE AND ESTABLISH THE RELATION WITH THE SPACE.
- THE PEDISTRIAN SHORTCUTS ARE CREATED THROUGH THE SITE.
- BANKS, LIC OFFICE AND IT OFFICES WITH SEPARATE CORE, MAINTAINING APPROPRIATE SECURITY.
- THE CURTAIN WALL IS DESIGNED SUCH THAT IT MAKES THE BUILDING ALMOST SELF SUFFICIENT FOR ITS ENERGY CONSUMPTION MAKING IT SUSTAINABLE DESIGN.

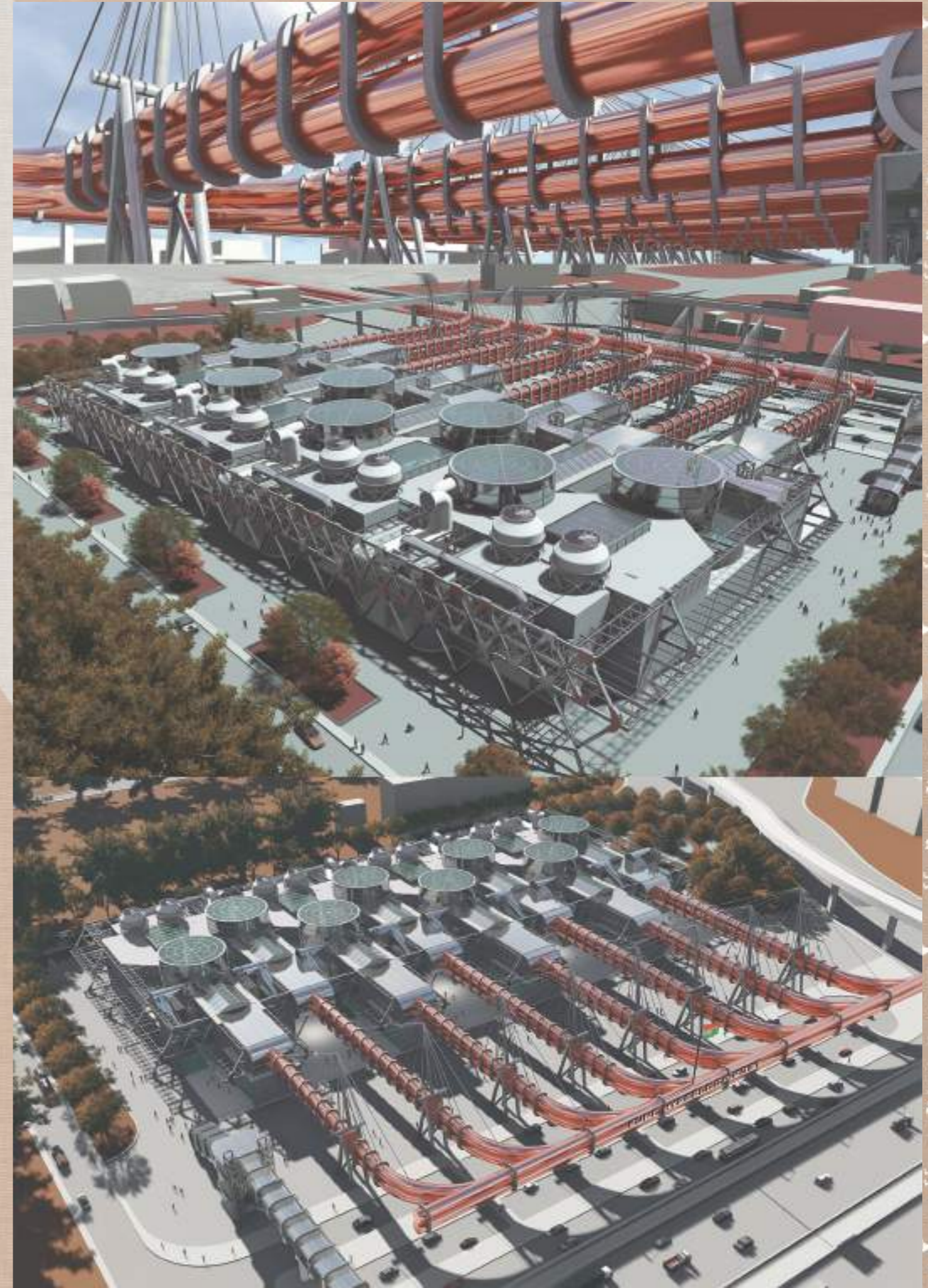
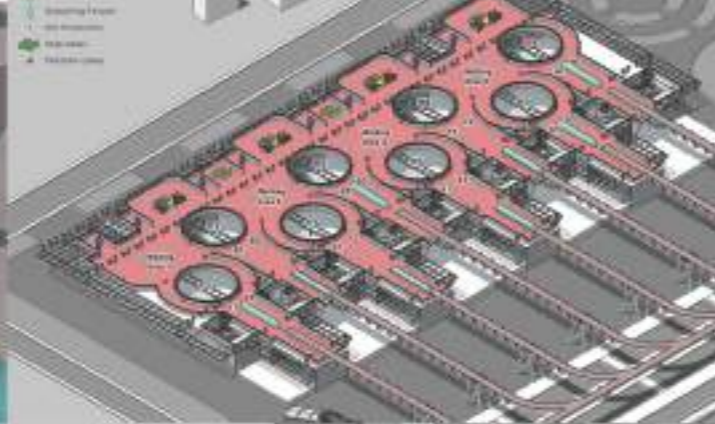
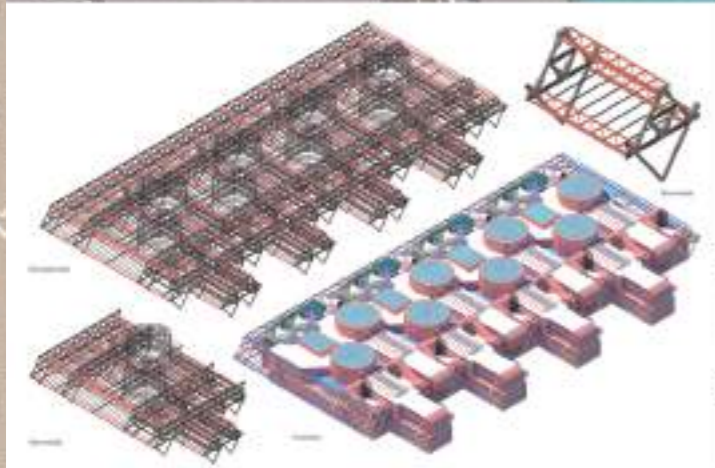
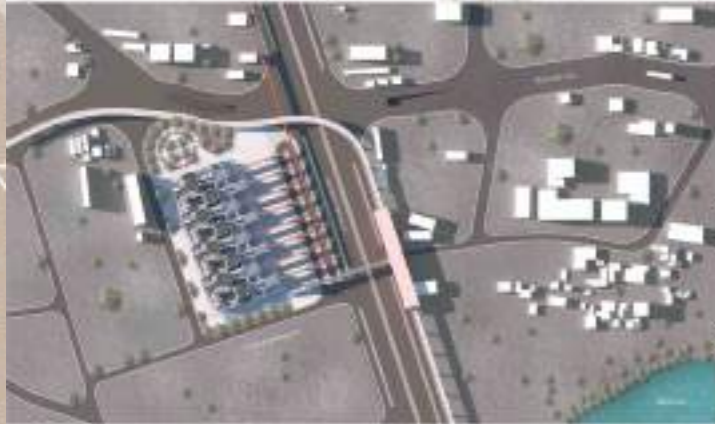
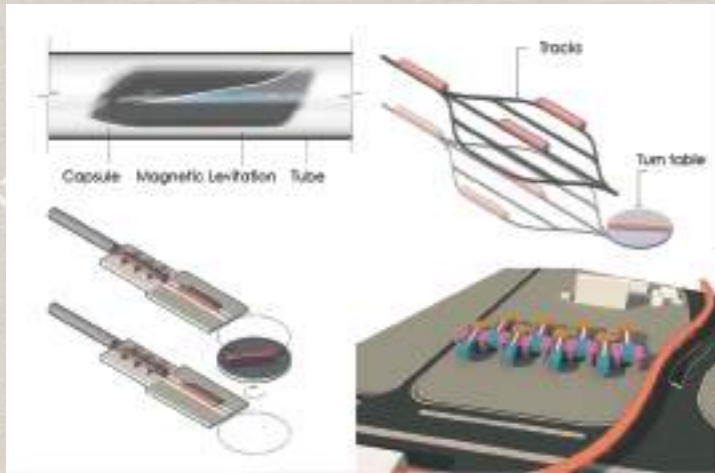
**FAÇADE DETAILS**  
THE FAÇADE IS DESIGN SUCH THAT THE UPPER PART OF EACH FLOOR (FALSE CEILING ZONE) IS TILTED AT AN ANGLE AND HAVE SOLAR PANELS ON THEM ON THE SOUTH AND WESTERN PARTS OF THE BUILDING SUCH THAT IT RECEIVES MAXIMUM RADIATION AND MAXIMUM ENERGY IS GENERATED THROUGH SOLAR PANELS.  
THE REMAINING PORTION OF THE CURTAIN WALL IS DIVIDED INTO TWO PARTS WHERE MIDDLE PORTION ACTS AS VIEWING GLASS THAT IS INCLINED SUCH THAT IT RECEIVES NATURAL LIGHT WITHOUT GLARE.  
THE LOWERMOST PORTION OF THE CURTAIN WALL IS DESIGNED WITH OPENABLE SLIDING WINDOWS SUCH THAT IT RECEIVES COLLER NATURAL AIR THROUGH THESE WINDOWS.

**CANAL FRONT DEVELOPMENT**  
9 METER WIDE AND 125 METER CANAL WITH JOGGING TRACKS AND WALKING AND CYCLING TRACKS ON BOTH THE SIDES.  
LAWN FOR ACTIVITIES SUCH AS YOGA, MEDITATION, ETC.  
BRIDGES CONNECTING THE TOW SIDES OF THE CANAL AT CERTAIN INTERVALS.

**STREET DESIGN**  
THE GANESHKIND ROAD IS PROPOSED TO BE REDESIGNED BY CREATING UNDERGROUND WAY FOR VEHICULAR TRAFFIC AND WOONERF STREET DESIGN ON THE GROUND FLOOR.  
THE GROUND FLOOR ARE GIVEN CUTOUTS THAT WOULD SOLVE THE PROBLEM OF LIGHT AND VENTILATION FOR UNDERGROUND VEHICULAR WAYS.  
THE GROUND FLOOR WOULD PROMOTE PEDISTRIAN ACCESS AND WOULD INCLUDE ACTIVITIES SUCH AS JUICE CENTRES AND ETRIES IN A TEMPORARY SHADE, NEWSPAPER SAIOR, PAUSE POINTS, OUTDOOR GYM, AMPHITHEATRES ETC. SERVICE LANE IS BEING PROVIDED ON BOTH THE SIDES ONLY FOR THE VEHICLES INTENDING TO ACCESS THE BUILDINGS ON THE SIDES OF THE ROAD. THE ROAD WOULD FOLLOW THE CONCEPT OF WOONERF STREET (PEDISTRIANS AT PRIORITY).

**VAISHNAVI NAGARKAR**

# THEISIS - Prathamesh Nazarkar



## Roots and Basics

### Interview with Ar. Rohan Nahar and Ar. Smita Naik

#### About 'Roots and Basics' firm -

Studio Roots and Basics is an Environment Sensitive Practice from Pune. It is the brain-child and initiative of Ar. Rohan Nahar. The intent of their practice is to work with COMMUNITIES to develop Need Based Infrastructure by engaging the local people by making them develop the sense of belonging to their own community.



AR. Rohan Nahar

#### What is vernacular architecture in contemporary architecture?

Definition of vernacular changes from context to context. Vernacular is more than local rather it is contextual. Range of local can be from 5 km to 50 km of radius. It is also related to sustainability. For example we used corrugated sheets instead of mangalore tiles for our office. Since they are cheap, lightweight, and recyclable although not traditional. Vernacular is not only limited to local materials but also to local labour. Since architecture is a profession and not a business, inherently it has some social responsibilities. Money has to go to the community, if you are building for the community. Vernacular is just forgotten knowledge, it is not an invention.

#### What was your process while building your office?

We earlier used to work only on sites. In the last month we built the office in the Protecterra farm. The site required a structure that should be environmentally friendly, pet friendly, having less carbon footprint with minimum or no use of cement. We followed the 3Rs of sustainability. We reused wooden shuttering, construction debris and waste earth bags for foundation. We used lime, cement and GGBS for concrete. Usually it requires around 30 bags of cement, but here due to the mix we only used six bags. We used mud concrete for plinth and Mud, cement, GGBS for walls. Use of UCR was replaced with construction waste for preventing quarrying of hills and transportation.

#### What is your design process?

Here structures in farm were built in reverse process. Initially waste materials were brought and then form and structure was decided. For an example, in our office the openings which were planned were of bigger size but due to lack of mud the openings made were larger. Another example is sizes of doors and opening are usually decided later after we get the scrap door and windows. All the decisions are situational; designing process and involving community is more important.

#### What is your opinion about applying LEED and GRIHA pointing systems to vernacular construction techniques? Can we qualify all buildings 'Green' which are rated high by them?

Built structures which are inevitably green don't require rating. LEED and GRIHA ratings are good. They are slightly better than conventional techniques but there is world beyond that. We can reduce more (carbon and cost) by trial and error method but it can take time to develop. Construction engineers do not know about these technologies; they will tell you about concrete and brick work since they don't have much information about mud architecture. If we take examples of traditional architecture, Bhunga houses are beyond ratings by GRIHA. They are environmentally sensitive, but do not fit here. If you go in the past you will get structures which are beyond platinum rated.

For our office, since we were clients as well as designers, we were open to failures. Since it is a trial and error method. We did not go to try for GRIHA and LEED ratings because we are happy with the process. In the first lecture of FEED Nimish Patel said "yeh hai mera wala green" which explained, now everyone has their versions of green. Today any builder working in RCC and brick may say his structures are green. So, you have to be honest and set the bar of green and achieve it by the process.

#### If we compare the structures built in mud & bamboo to conventional RCC structures cost wise and ecologically, which is preferable?

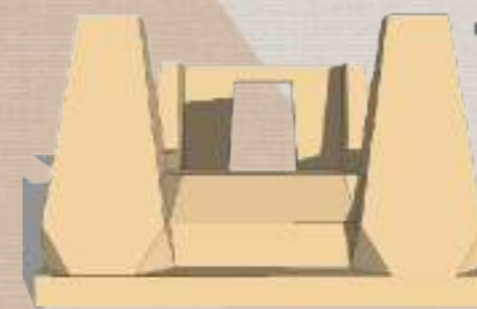
Mud or bamboo is not always ecofriendly and vernacular. It is situational. You cannot be always cost effective just with use of local materials. Sometimes it is required to reduce the size of kitchen or bathroom or other spaces to reduce the cost. In RCC labour cost is 40% and construction cost is 60%, in mud architecture labour cost is 60% and construction cost is 40%. Thus mud architecture is for betterment of the community.

If in some case cost of mud and RCC architecture is same what should you do?... RCC has its disadvantages. When you built with mud you give back to the community instead of giving money to the cement industry. We lose clients due to our way of working. We do not lie about the cost. Just by changing the material you can't be environment friendly and cost effective. You have to make the house functional, do rainwater harvesting, site development, change the lifestyle to use nonrenewable resources. So you have to look at the larger picture, you have to respect the process of mud architecture.

#### Which type of buildings last longer RCC or traditional?

If taken care, traditional buildings last a lot more than RCC and history tells the same. Concrete as ages gets weaken, mud as ages strengthens. Unstabilized mud architecture requires more maintenance stabilized ones require less.

Two years ago, floods in Kerala caused villages to submerge for around 2 weeks. When the water dwindled, it was found that most of the RCC structures collapsed but the mud ones were still standing.



Completed Mud Structure

Completed Studio space covered using bamboo and sheet roof



## Roots and Basics

**You both went for practicing in south India. Do you think that there are more number of people working in vernacular sustainable architecture in south India than in other parts of India?**

Although it is true that vernacular sustainable architecture is seen in plenty places in south India, there are many architects who have practiced these techniques in other parts of India such as Didi Contractor. There are numerous tribes who built there houses with their traditional techniques such as houses of north eastern tribes, Bhunga houses, Houses of Bhilai tribe, etc.

**What would be your advice for architectural students?**

The real education starts when you get the degree, you have to ask the question 'why'. Is it making sense from any salary point of view or any other point of view? Architecture is fluid there is no perfect answer or approach.

Sharing of knowledge can give you the renewal. Otherwise the next generation has to start from scratch or they will use wrong methods. They can take the formula and make it better. They don't have to reinvent.

**How was your journey in architecture till today?**

In every field especially in architecture there is no alternative to experience. Today it is my 11th year. Initially I started working under Saurabh Phadke in Pune. Now he currently works in Ladakh. He was one of the first who started working in this type of construction. Then I went to Kerala where I worked for 5 days in office and 2 days as laborer in a week. That is where I started grasping the technology. When I returned to Pune I conducted workshops, taught as professor and practiced side by side. If you do the triangle of pedagogy-research-practice in all 4 professions; then your knowledge will go far and you will be able to support yourself financially as well.

**What is your philosophy behind architecture as a process?**

Sharing of knowledge is extremely important in architecture. It is also important to always keep your ego aside and learn. You should follow the 4 points mentioned in the book 'discovery of architecture by Narendra Dingle and Ashish Ganju'. Vernacular must include community otherwise your work is virtually unimportant and invisible. The process has to be designed before designing the structure and knowledge should be shared.



Photo courtesy: Prathamesh Bilikar

Studio Roots and Basics, Protecterra, Pune

## AR. Jyoti Jain Tholiya (Faculty)



Culture is one of the most vibrant subjects in the discipline of architecture and planning. It has several scholarly expressions in theory as well as in practice and has no univocal definition because of the complexity of its concept. Raymond Williams cited 'Culture' as "one of the two or three most complex words in the English language" (Jackson 1989, ix). It is a process among human societies and their natural environment. It is a study of human interventions and transformations within the natural world.

In most cases, culture is more closely aligned with human activities and characteristics than natural and biological growth. Sometimes culture is considered as opposed to nature, culture as male and nature as female gender. It can not be denoted without nature's opposition and vice versa. The meaning of culture has evolved right from the transition from the Ice age to agriculture. Lots of shades of culture can be seen since Prehistoric culture through Mesopotamian to Greek, from Indian to Roman to Modern Civilizations. It can be seen in prehistoric time how prehistoric man transformed nature by his productive idea of agriculture, and horticulture.

The historical concept of culture is attached to people's artistic and intellectual activities such as art and crafts, music (opera), dance, oil painting, sculpture, poetry, and literature. Sometimes culture could be seen representing people's faith, custom, religion, rituals, race, and ethnicity. It has also been indicated through people's particular way of life in terms of their behavior, manners, dress, food, language, and occupation. Sometimes culture is defined by different geographical regions, it could be seen across the political boundaries such as democracy and capitalism in America. Sometimes it is represented by white and black communities, poor and rich, urban and rural, soil filling and atom-splitting.

Further, in Biology, the growth of any living matter, tissues, bacteria also provides a different concept of culture. In nature growth of plants and animals and different types of material also define culture. In all the above-mentioned concepts of culture, the most noticeable thing is culture has been used to classify or divide something large into different groups or in other words culture creates boundaries within space, time, people, or society. This way culture provides challenges to planners to deal with various issues such as unification, globalization, immigration, territorial disputes, and ethnic conflicts. These multi-directional concepts of culture bring many vital and productive expressions in Architecture and planning, which is immensely required to deal with current problems and issues in our society. It allows the greater scope to establish a hierarchy of spaces and community formations analogous to the various systems that have always functioned in indigenous settlements throughout the world.



## ART CORNER



Sketches by Yash Chavan, Third Year



Sketches by Vishwajeet Shinde, First Year



# COVID WAR

“WE ARE IN THIS TOGETHER- AND WE WILL GET THROUGH THIS, TOGETHER”

Some innovative ideas & concepts worked out by international Designers and Urban Planners for fighting the pandemic.



Concept School by Curl la Tourelle Head Architecture



Social Distancing Parks by Studio Prechtmicro

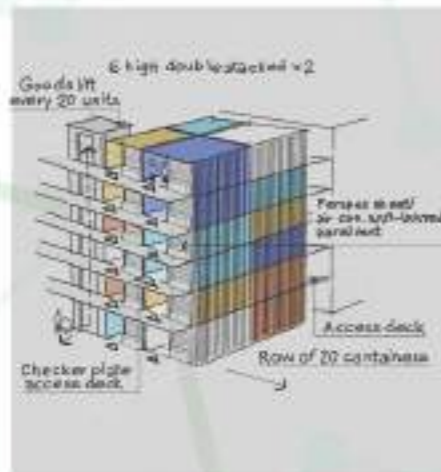


Mediamatic Eten Restaurant, Amsterdam

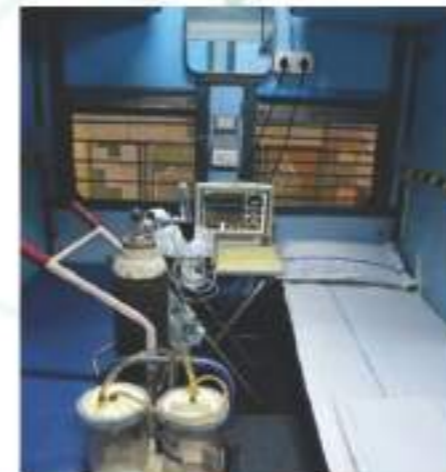


Wuhan Sports Center Stadium converted to Covid Hospital

Concept Container Hospital by Weston Williamson + Partners



Market by Shift Architecture Urbanism, Rotterdam



Some innovative temporal use of spaces in India for fighting the pandemic



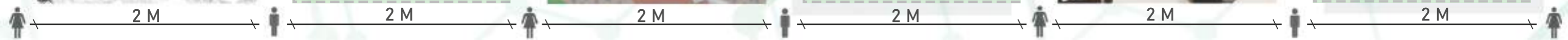
Stodistante by Cater Studio, Florence



Iscon Mega Mall Temporary Shelter for Migrants



Train Coaches isolation Wards as COVID Hospitals, India



## Heros of Lockdown

### Donating Happiness

We have an NGO named 'Vidyarthi Vikas Pratishthan' which aims towards betterment of students. During the Lockdown, we helped the society by providing a month's ration to the needy people who had lost their jobs or worked on daily wages basis. We distributed such kits to at least a 1000 people. The feeling of helping others was incredible & I was really satisfied by helping them and gaining their blessings in return. The feeling of looking after one another during tough times really gave me hope of crossing this situation together and united.



**-Prithvi Desai  
T.Y. B.Arch**

### Service Before Self

Philants was founded on the 19th of October 2017. It is a community which helps homeless people, the 'Street Residents'. We provide them various services like food, clothes and footwear distribution. We organize awareness drives too. The motive at Philants is 'Service before self'. I, Sejal Sancheti, joined Philants in March 2020 and have been actively performing services for the street residents since then.



**- Sejal Sancheti  
S.Y. B.Arch**

### The Philants

Corona virus pandemic is not just about the virus itself. It has brought with it hunger, loneliness and homelessness.

I joined 'Philants' during the lockdown because it made me realize that life on the street has paused. If there's something I can do to ease someone's life, then why not. It made me realize how fortunate I am to get everything I demand but there are many who can't even afford a day's meal. My parents have been my constant support during this process. This is a small contribution to a new beginning. We will fight this together.



**-Akanksha Shinde  
S.Y B.Arch**

### Giving Back to the Society

Since the beginning of the lockdown, when almost all businesses and work were on halt and the economic conditions in most houses as well as the country went down, little did we know, life at the red-light areas was put on halt as well. While people complained about not having enough toilet paper in malls, day workers craved a decent meal for the day. During these tough times, I felt the need to help out a community of people who are not usually the top priority when it comes to providing help - Sex workers and the Transgender Community.



Anish Kabra (a batchmate from our college, F. Y. B.Arch) and myself decided to carry out a project with the help of the Rotract

Club. 450 vegetables packets, 150 watermelons, 100 sarees and a few blankets were provided to them.

We also carried out a vaccination awareness drive and visited every worker's place in the red-light area during the pandemic. We helped setting up a vaccination center and vaccinated people from both the communities.

More than 2000 people have benefited from this project. A month after working with this community, I saw the other side of the 'narrow domestic wall' set by society very closely and realized the red-light area is a whole new world in itself. We treated them with all due respect and got the same in return. I saw how the world has forgotten that they are humans as well.



In spite of being looked down upon and treated disrespectfully even when they don't deserve being treated that way, they were extremely welcoming and being around them didn't seem uncomfortable at all. It was an honor to have to sit down and have lunch with them while listening to their astonishingly happy life stories; they radiated so much positivity in spite of living in the most horrible conditions

possible. I definitely have a new found respect for them and would love to help the less fortunate in every way I can.

**-Rajdeep Mule  
F.Y. B.Arch**



## Covid Care Centre experience as a volunteer...



When I realised that corona can also happen while sitting at home, I felt that we can also do the social work by helping people in this pandemic situation. One of my close friends being a part of an NGO told me about the RSS Janakalyan Samiti, PMC, Sahyadri Hospital, PPCR, and Abasaheb Garware College together starting the Covid Care Centre where asymptomatic patients or patients having mild symptoms were admitted for few days. I decided to go there for volunteering from the 30th of August.

After a week's duty, we all volunteers had to quarantine ourselves for next 7 days. There were three shifts of 8 hours each. We provided kadha, tea and dinner for around 200 patients by maintaining social distance and taking vitals (oxygen level, pulse level and temperature check) and wearing PPE kits. The patients getting discharged used to have counselling sessions taken by the counsellors. Some volunteers were near the gate where patients came for admission. At that time the mental and physical state of patients and their relatives were disturbed.

In these seven days of work, we got both good and bad experiences. At the times of vitals people use to get scared and used to ask, "Is everything okay?" In that situation we had to provide them mental strength and support, keeping our calm as it was a very tough and delicate situation for them and us as well. At that moment also patients were so cared for us that every time they asked us if we were fine.

Children from their windows called us and showed the drawings that they made. After 2-3 days patients were so comfortable that they celebrated birthdays among themselves, do Bhajans and aarti (during Ganpati) and many of them even made their WhatsApp groups.

This was all about patients but on the other hand I got a chance to work with doctors and helping them and the volunteers (many of them were college students) who came from various different fields like medical, engineering, architecture, BSc, BCom, Law, Language, Performing arts, Hotel Management, Pharmacy, Psychology and many more. We got to know each other in few days and i am going to cherish these memories throughout my life.

~ Sayee Joshi  
S. Y. B.Arch

## English Vinglish

"Service to others is the rent you pay for your room here on earth". At the time of my 20th birthday, I thought I need to give something to my society since contributing to ones society gives rise to the development of the nation. My grandparents always taught me contribute for good cause. Poor children, because of their situation and background can't receive education.

I believe that the power knowledge is the greatest. Our country is still growing and is establishing many NGO's and foundation for the poor. I got to know about a NGO named Angle Xpress foundation that enables educated and committed citizens to tutor, mentor and guide school going orphans and



slums. I realized that the Urdu and Marathi schools teach math and science well but English is the subject which is not well focused on.

English is the most spoken language in the World, it gives you an open door to the world and helps you communicate with global citizens. The children gave me confidence and strength, the smiles on their faces and their eyes said everything. We start our class by saying English Vinglish which means, it's completely ok to make mistakes since we all do.

Studying architecture is really time consuming and it gets difficult to manage time for myself and other chores, but I do my work as well as contribute to my society as it is major responsibility of ours to do so. I feel it's a truly rewarding experience. Help which is given to someone in need is seen by God and is a fruitful one. We all have an opportunity to contribute for our society, request everyone to do whatever you can and give your best towards society.

~ Ayush Hazare  
S. Y. B.Arch

## A Drive Of Happiness.....

WRLO was started in June 5 2020. Me, along with my 5 friends took the initiative to start this non-profit organization, WRLO (We Rise my Lifting Others) to contribute a little to the society. In uncertain times of the covid-19 pandemic many people seemed their hopes shattered, leaving many people's life at stake. We decided to carry out food donation drives around festivals to lighten up the less fortunate with a little joy. The drives are usually carried around Diwali, Christmas and New Year.



~ Dhruv Chalode  
F. Y. B.Arch



## Our Entrepreneurs

### Greystone, a small startup.

"I remember the day, when we all were introduced to concrete and its importance in the First year and that was the day I started looking at this material with a different perspective, I wondered how a small stone can shape the new world. Limestone from which cement is made, occurs in grey shade naturally, with the context of relating to nature 'Grey-stone' a small startup was ready to setup. So every little thing associated with greystone is totally inspired by nature and the things I have been learning in my Architecture journey till now.



Starting with strength, durability, versatility to its economy this material has a vast scope. For a purpose of better alternative material to plastic and other nonbiodegradable materials, cement with fly ash is used as the main raw material for making these decors. After studying all the properties with their pros and cons the stage of "trial and error" began. In traditional practice, formwork is made generally by wood supporting with steel but having no proper equipment and tools it was difficult to cut wood on small scale and make moulds.

At the same time, leftover foam board pieces from my college model gained my attention and I decided to use foam board to make these moulds. The scrap foam board automatically got

reused. Taking a small step to support green world I made my first planter which was almost an apple size, handy and lightweight. The satisfaction of demolding and getting the final product was something found my interest in.

I started using as much plastic bottle scrap and leftover stationery materials for making moulds. Waste material got reused. I started enjoying the creative process of making these moulds with the leftover scrap. The very first idea with greystone was only to make concrete planters with unique designs but looking further into the interest of people for the unfinished and natural look of Cement I decided to make other Interior Decors too. Concrete with its ability to get stronger as it ages is something I have learned from it. To get stronger day by day as we grow. Looking forward to my startup, 'Greystone' is planning to conduct various workshops for orphans and teach them local handcrafting skills which will help them to earn a living out of it, I look forward to increasing the production line in coming years with spending 20% of average income for conducting these workshops.

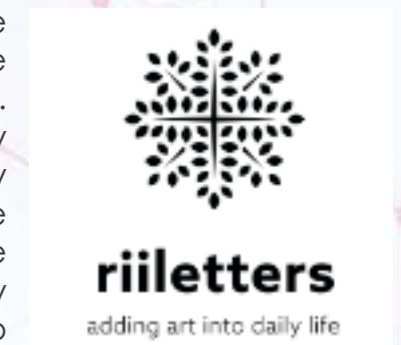
Greystone plans to increase the scale by creating job opportunities for worthy ones and contribute as much as possible socially. In the next 5 years, I see this startup inspiring many students to show their creativity and contribute towards local business opportunities.

"Concrete mixture wet, with the formwork all set, just an easy pour with perfect cure and watch it getting stronger than ever before"

~ Ashish Sakore  
Final Year B.Arch

### Riileters

The basic ideology behind my business for me was to become financially independent by earning some pocket money and to make good use of the free time we all were getting during this pandemic. I wanted to do something that would help other people through my creativity by using the same to be productive. I've learnt calligraphy on my own and have been trying out different lettering since the past 7 years as a hobby. Surprisingly, several of my well-wishers have complimented my art due to which I started conducting holiday workshops. My workshops have not just helped my students but also myself in a way where I can improve my skills as well.



One evening I was casually lettering some quotes and creating designs for my Instagram art page when the idea of making stickers struck my mind. Initially, I just converted my designs into stickers and put up a story on Instagram. Suddenly I was flooded with requests from people who wanted such stickers. This was a pleasant surprise for me and as I kept completing orders there were more new incoming orders. As I kept completing orders I started getting requests for different stickers in terms of size, shape, color etc. as well as other handmade products. Initially I asked people to come and collect the same from my place but realized this was not possible for people staying far. For the first time in my life I went to the post office and mailed the stickers by speed post. I realized that the packing was very average and moved to tamper proof packing. As the orders kept coming the products that I made started evolving. Initially I did not have a google pay account and I linked my bank account to create my google pay account. There was so much I was learning, I needed a lot of stationery for my products and for the first time I went to several shops to find the best products I needed at the right price.

"What have I learned from this? I have realized the importance of time. Every customer who orders is eagerly looking forward to get his order at the earliest. I have found the importance of creativity. I have realized that packaging is also important. The customer experience is one of the most important aspects in any business. I am sure that all these experiences will help me in my professional life as an architect, I know for a fact that I won't put a pause on this business as it helps me take care of my own expenses and makes me financially independent. I plan to use the money that I am getting through this business to fund my own education in the coming years. This business has not only made me independent but also made me realize the value of money."



~ Riya Maheshwari  
T. Y. B. Arch



## TO BAKE SOMEONE HAPPY

I started baking around four years ago. Remembering my first chocolate cake, it was a disaster but that did not stop me, I used to make cupcakes frequently. When college started, I became completely occupied, hardly getting time to bake. After the lockdown started and my submissions were over, I started learning new things and experimenting with recipes.

My parents were the best critics for everything that I made. They disliked store bought cakes but started liking the ones I made and would frequently ask me to bake for them. During July-August, I noticed that times were such that people were scared to buy birthday cakes from the stores because of the ongoing pandemic so they preferred homemade items.

I wanted to do something about it so that children's can celebrate their birthdays. I became confident enough and thought that maybe I could become a home baker and manage my college online at the same time. My parents supported my decision. That was when I started "Teaspoon of Art" to spread happiness in these tough times.

I sell cakes, cupcakes, donuts, cheesecakes and pudding cups. I manage my college work during the day and bake at night whenever I receive an order. I enjoy decorating cakes very much; it is like therapy to me.

I look forward to designing my own cafe or a small bakery sometime soon.



~ Kalyani Nangude  
(T.Y.B.Arch)

## Plogging

Be Good to your Body and the Earth.

This is Pranav Bhikule, a member of the community of Pune Ploggers, which is a community of people who have been plogging around the city. Plogging is a simple act of going early morning for a jog and picking up the waste which we see in our surroundings. It is a simple initiative started in Pune by Vivek Gurav, who is the founder of this social community. He started this community in 2014 to address the issue of waste lying around everywhere. The community had a great impact in terms of waste and cleanliness in our surroundings, but the problem of people littering around is the one that persists and this is where Pune ploggers come into action. I joined this community last year as a volunteer for plogging drives.



Talking about my experience, as being a fitness enthusiast, I found this activity very exciting. Every drive starts with an early morning warm-up. Then we start jogging carrying bags in our hands. Normally cleanliness drives are carried out in groups at the same location but here we ploggers plog on different locations individually which helps us to collect more amount of waste. Our main motto is "ZERO WASTE LIFESTYLE". So the question arises, what is a zero-waste lifestyle? , " It doesn't say that we shouldn't use or waste anything. we should try to reduce the wastage that we create plus try to recycle and reuse. We are also plogging the Mutha river for the past 6 months and the waste that we have collected is more than 50 tonnes of plastic. Another thing that is carried out by us is recycling the waste products, like making eco-bricks from plastic bottles, making art from waste bottles of alcohol up to making clothes from waste fabrics.

We have our slogans like, "THE EARTH IS NOT YOUR ASHTRAY", for those who throw their cigarette buds roadside. While plogging, we saw that the major problem begins with our house itself. The plastic waste that is arising from our homes needs to be segregated there itself because this is the first line of defense, we cannot become soldiers fighting for our country but we can be warriors in our houses and start working for our planet because that's the least we can do for our upcoming generations.

~Pranav Bhikule  
(T.Y.B.Arch)



## TINNED EXISTENCE

Sitting cross-legged on the undulated mud floor,  
Sun-baked brown downy hair flopping on his freckled face,  
His eyes skimmed over to his father, next to him,  
Passed out, he lay sprawled awkwardly without grace,  
Ma, he asked in disbelief, "Amma, where is Baba's lifeline?  
On her haunches beside the chulha she cooked,  
with the smoke smarting her eyes,

The steam rising from the boiling pots and pans  
wandered aimlessly in the windowless shanty,  
Look amma, "Baba has no life line he repeated, short of breath he was panting,  
I've seen that astrologer under the tree as he read  
people's fortunes and futures in their hands  
"What will we do Ma, when Baba's palms have no lines?  
I fail to understand !

Ma, went on with her chores, nursing a baby in one hand, tossing rotis with the other,  
He turned to take another closer look, while she made no attempt to bother,  
It was hard to say if it was exhaustion, or intoxication that rendered him senseless,  
Peering intently into his father's rough and toughened palm he grew even more restless,  
"No wealth line, no health line, what do we do Ma, Baba has no lifeline, just as I had feared"  
Ahh...now get it Amma, now it's crystal clear, all the doubts I've had for so long have actually  
disappeared,

I'm the son of a mason, who lays hundreds of bricks a day,  
But not one of the thousand rooms he builds ever comes our way,  
So many shiny, long and perfectly moulded, kitchen counters he builds for wealthy people to  
cook the perfect meals,

But we keep cooking on a black burnt out stove that smokes more than it steams,  
And have you seen the living rooms he's made the ones with high ceilings?  
While we can barely stand up straight in this sorry excuse called our dwelling,  
The more he builds the more we move,  
The more he panels our home dismantles,

Amma this is surely an epiphany, everything is clear like the clearest day,  
I now know that, Baba has no lifeline, therefore we have to live this way.  
Amma turned around and cast a look at the man that was beyond feeling and senses,  
All she said was, "Beta, for people like us our lifelines are eaten away by calluses!

- Asmita Patwardhan  
Alumni MMCOA



# RITU & SURYA SINGH



## DESIGN STYLE :

Wolf is a movement created through objects, spaces, and installations based on the belief of slowing down, creating a better quality of life, and a better sense of community but never without fun, playfulness, and whimsy! They highlight different social issues through their artwork. Ritu mentioned that “The aim is to tell stories related to our land through the art pieces created by us. “

## LONG VISION :

The duo believes that taking a break from work is necessary. They often take trips and give them space for fresh ideas and creativity. Surya is also a gardener, and he looks after plants as well. Ritu and Surya wish to leave a more sustainable and morally correct world for the future generation. They want others to be more careful about the recycling



Wolf is a Jaipur based practice/co-creative engaged in the pursuit of Aesthetics. Led by Ritu and Surya Singh, whose entire art practice is based on working with scrap, discards, and waste materials. They dream up spaces connected to the earth and engage in storytelling through ephemeral experiences inspired from our own lands. Their work is a true amalgamation of art and conscience, and they attempt to make it as participative as possible, even as elements of each show become artworks that are coveted by collectors.



## ULTRAMARINE :

Each of the 12 artworks comprise several layers. In some, the first layer is an abandoned architectural drawing of the region, the second a miniature painting done by an in-house artist, and the next few layers made out of scrap. The couple hopes that visitors will take back pieces from the show and create their own installations at home. “The more you deep dive into Ultramarine, the more things you will discover,” says Surya. The main motive of this installation/artwork was to put scrap to work. Visual beauty is just one part; the art will be accompanied by the fragrance of sandalwood and vetiver (seen in most Rajasthan homes), and



24FT TREE WITH IRON SCARP  
TATA-PROJECTS



# INSTALLATIONS





Ar. Vishwas Lele (Faculty)

Being trained in Basic Design – a subject which carried us through almost four years during graduation under Prof. N S Pingale – who was like a Sage – I always thought of any form Art as an inseparable ingredient of architecture. Which had to be contextual sites, surroundings, subjects and status of the beneficiaries.

During the beginning of my professional career, while entering the field of interior designing – like almost always – my professor trustingly passed on designing of 'Dulhan Jewellers' a Show-room to me. Hearing the lineage of clients in the business, I thought of expressing their long-standing in Design Language. With the help of rock-sculpt images of prehistoric princesses – cast in Fibre glass; rendered in hues of sandstone and installed on site at strategic locations by an excellent local Artist – and the contemporary jewellery shelves cutting through, the scene depicted the thought convincingly (1).



While doing up a room for Children – who grow up so fast – a blank wall was brightly painted and installed with a Life-Size Abacus! Same wall was installed with a hand-painted fresco of 'Lionel Messi' in action and a work-station with multimedia equipment's, quite effortlessly. What remained unchanged was the wardrobe. The Boys were 'Rowing-enthusiasts'! (2), (3).



When it comes to dealing with a Leisure Activity like the 'Eateries', the unmistakable 'fun-element' is essential. Like the mosaic on the floor, at the entrance of a restaurant serving 'creative' Maharashtrian cuisine...(5), We designed the false ceiling also; with eclectic 'clouds', walls became street-side 'facades of houses' and a distant end wall became an infinite view of 'Marine Drive' (4)!



Pune's own P Y C Sports Club has an entrance hall with a sky-lit atrium. All four of its side walls were punctuated with windows for three upper levels. We rendered the bland uncharacteristic surfaces in between with a flowing graphic depicting different sports; in abstract silhouettes. Further the flooring of the same space is embellished with a welcoming 'Rangoli' in Laser-cut coloured marble, with a ribbon-like swirling form weaving through a chess-board pattern (5) (6).

I learnt that Corporate (Deepak Nitrite) Facilities Art needs to be devised in a customized manner; based on the Company's work culture. It has to take the 'signature' further in various innovative ways. Like the graphic on the elevator walls is an abstraction of the Company's Logo(7). Or the flooring pattern in the Entrance Hall too; has its roots in the Company's Logo (8). It is all about establishing the 'ownership' or 'belongingness'. While in Interiors, the 'Wall-Art' -again a fresco-speaks about the I. T. Related business carried out by the BPO (9). Fortunately with a rare loyal gesture Deepak Nitrite offered us to design yet another I. T. Tower that was to be rented out to different companies. Hence besides their Logo (which was recreated on the elevator walls as in (7) above), which was as a graphic on the floor as one enters (10), we philosophized the 'binary language' of I. T., laser-cut it in rolled up brush finished stainless steel sheets and suspended them in the atrium (11 floors high) let it swing gently; as the entrance door slides open to let the breeze in – as a kinetic sculpture – enjoyed by all the occupants above when they had a cup-of-coffee in the Break-Out areas cantilevered with a space-frame on all the floors! (11) (12) (13). **Whatever may be the Project, the Art must inspire the Space and energize the Observer it 'holds'!**



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**Whatever may be the Project, the Art must inspire the Space and energize the Observer it 'holds'!**



## Onion And Garlic Peels Art



I, Mr. Sanjay Gangaram Shinde, have been teaching art at Sinhgad Institute of Sinhgad Spring Dale School Ambegaon, Pune for the past 20 years. In order to improve the artistic skills of the students, I organized different activities such as the government drawing level exam, drawing competitions and various workshops. When proposing this artistic technique to the students, I created a new collage using onion and garlic skins. For the past 25 years, I have painted

onion and garlic peels. Starting with greeting cards on A4-size pages, then moving on to creating collages, portraits, landscapes, creative paintings, and more on a large scale. These shells can be used for paper, canvas, mounting board, etc.

The first onion and garlic peel art exhibition was held in Pune in 2011. The exhibition received an overwhelming response and many well-known artists came to visit one after another. Many people also bought those paintings. Different schools, colleges and research institutes require these types of art seminars. Through this unique art, I got to know many famous artists and characters. In 2012, this unique collage made of onion skin and garlic was awarded by 'Limca Book of Record', and in 2013, it was awarded by 'India Book of Record'. For the Indian record book, I was nominated from 101 record holders and was invited to participate in a project in Delhi. The task was to complete a unique painting in 5 minutes, I completed the same task in 3 minutes and 40 seconds. For this, I won the title of fastest record holder, an award, a medal and a certificate.



My paintings were also exhibited at the Art Festival held in Kolhapur. The deputy mayor of Pune awarded me this art. In 2014, my artwork also won the Asian Book of Records. On January 26, I received an award from the mayor of Pune. The Sinhgad Institute also gave me an award at the Sinhgad Karandak Fest exhibition. The Chitrалеela Niketan Academy also awarded my artwork to Mr. Shrinivas Patil, Governor of Manipur. Finally, Sankalp Pratishthan awarded my art to Sankalp state puraskar.

This artwork has been registered with the government craft department. Through this Department of Crafts, I am qualified to participate in government exhibitions in different states. In 2015, I applied for the National Record Award, and my painting was also selected! However, I was stuck on the last layer. On the positive side, I had a new experience of the whole process and learned new things.

So far, the art of onion and garlic peel has had 6 successful exhibitions. Also from the 2nd of January, 2020 to the 4th of January, 2020, the seventh exhibition of this unique art took place at the Balgandharv Art Museum in Pune. The theme of this exhibition was 'Natural life'. The opening ceremony was hosted by Mr. Murlidhar Mohol (Mayor of PMC, Pune) at 11:00 a.m. January 2, 2020. As the previous 6 exhibitions, this one was a blast too!



~Mr. Sanjay Gangaram Shinde

CREATIVE CORNER



Teacups aglow with God's blessings!



The evening bazzars

**Dr. Aparna Dixit**  
(Faculty)



Cultures grows on the vine of tradition



Beyond the reflection

**Ar. Chanda Kanetkar**  
(Faculty)



Medium : Digital Illustratution in  
CorelDraw



Medium : Digital Illustration in  
CorelDraw

**Prof. Manjusha Wagh**  
(Faculty)



Needle art



Your vibe your tribe

**Ar. Preeti Chinnapattan**  
(Faculty)

## CREATIVE CORNER



Gauravi Shivale  
Medium : Water Colours



Vishwajeet Shinde  
Medium : Black Ball Pen on Paper



Sanskriti Doma  
Medium : Microns and Watercolours



Aakanksha Pawar  
Medium : Pencil and Charcoal



Vishwajeet Shinde  
Medium : Black Ball Pen on Paper



Tanishka Jadhav  
Medium : Silver Pen and Black Paper



Piyush Bhajekar  
Medium : Acrylic Paint on Canvas



Anunita Sarkar  
Medium : Colour Pencils



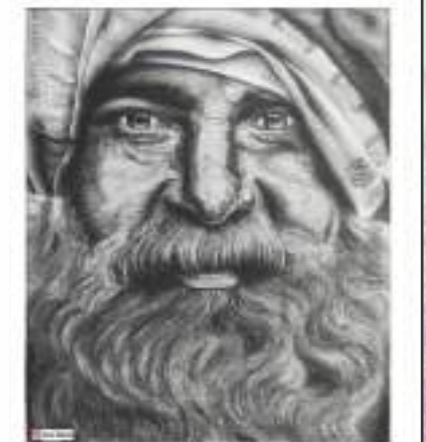
Vishwajeet Shinde  
Medium : Black Ball Pen on Paper



Karuna Shinde  
Medium : Water Colours on Cartridge Sheet



Rajdeep Mule  
Medium : Acrylic Paint on Canvas

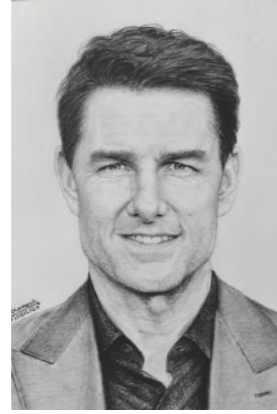


Aniket Wadate  
Medium : Graphite on Paper

Prathamesh Bibikar  
(T. Y. B.ARCH)



Medium : Graphite on  
Cartridge Paper



Medium : Graphite on  
Cartridge Paper



Medium : Graphite on  
Cartridge Paper

Hrishikesh Deo  
(Final Year B.ARCH)



Medium : Micron Pens

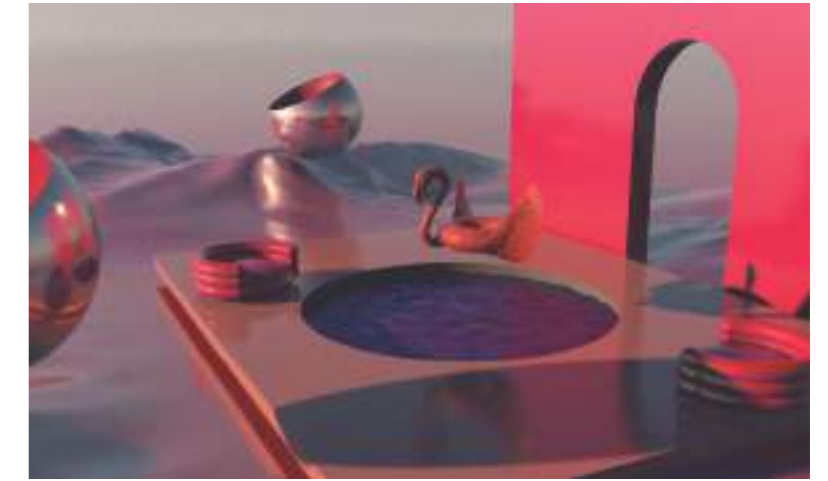


Medium : Micron Pens

Tanisha Lahane  
(T. Y. B.ARCH)



Medium : NFT Art

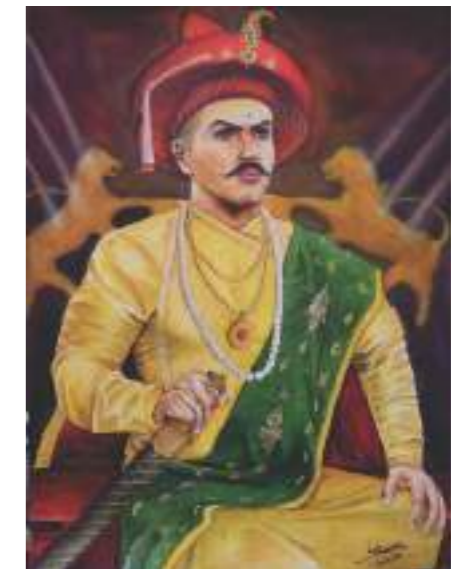


Medium : NFT Art

Prathamesh Nazarkar  
(Final Year B.ARCH)



Medium : Colour Pencils

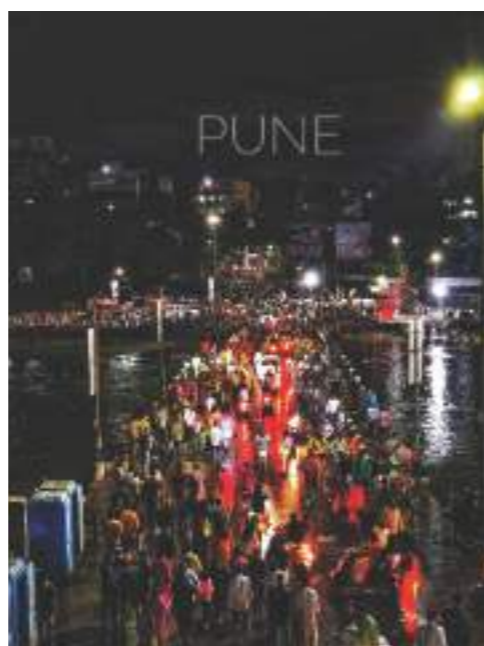


Medium : Colour Pencils

Sandesh Dhiwar  
(T. Y. B.ARCH)



The mark of our culture!



SANGAM...

Yash Jathar  
(F. Y. B.ARCH)



Blessing in Disguise



Severest strain without breaking



Impact of solitude

Ashish Sakore  
(Final Year B.ARCH)



Essence of the Desert dust



Tranquillity within the creation

Rajdeep Mule  
(F. Y. B.ARCH)



Elevated Monochrome



Reflection bounded with Perspective

### Ecstatic/Melancholy

I saw it collapsing,  
 Our empire-In-making  
 The very moment I noticed,  
 Your brickwork was,  
 Full of voids.  
 And yet,  
 You continued building  
 Instead of filling them up first.  
 Then I realized,  
 All of this smell and felt  
 Exactly like,  
 How you always gave  
 Your BARE MINIMUM,  
 And assumed on your own  
 That it was more than enough.  
 All this while,  
 What I perceived as happiness  
 Was merely a glimpse of it?  
 For I used to think,  
 Falling in love was ecstatic  
 Until I fell out of it.

- Yash Jathar

### BANYAN TREE

It has arial roots  
 It has sweet fruits  
 Branches growing wide and free  
 Yes, it's a Banyan Tree

No not just a tree  
 It's a beginning to mark  
 It is present wherever  
 There's a journey to embark

It was this under which  
 Bombay stock exchange flourished  
 It was this under which  
 The city of Vadodara cherished

It was this under which  
 The Puranas went verbal  
 It held Lord Krishna during the flood  
 It is the strongest, it is immortal

Why not go back to the rudiments  
 As the pandemic made us do  
 Wash your hands maintain hygiene  
 Let's go back to the safe old days  
 too

Under the greed of having a  
 sophisticated lifestyle  
 We have already lost our foliage  
 Let's conserve the nature, the forests  
 Let's commence a new age.

- Payal Bhutada





Dear readers,

We the magazine team of MMCOA would like to thank our Principal Dr. Supriya Nene Ma'am for giving us this opportunity to work for the college magazine. We thank our mentors Ar. Preeti Chinnapattan and Prof. Manjusha Wagh for their constant support and guidance throughout. The team would like to thank the faculty members, office staff, students and fellow alumni for their valuable time and contribution for the magazine. Also, to all the students of MMCOA for contributing with such great work. Lastly, to all the readers for making our team efforts worthwhile. We hope you all enjoyed reading the magazine and would love to have your feedback regarding the magazine. We promise to make it better with each passing year.

We, the MMCOA magazine team, would like to express our gratitude to our Principal, Dr. Supriya Nene Ma'am, for providing us with the chance to work on the college magazine. We appreciate our mentors' consistent support and advice throughout the process. The team would like to express their gratitude to the teachers, office staff, students, and fellow alumni for their time and contributions to the magazine. Also, thanking all of the MMCOA students for their hard work and active participation throughout the journey. Finally, thank you to all of our readers for making our efforts worthwhile. We hope you liked reading the magazine and would appreciate hearing your thoughts on it. With each passing year, we pledge to improve it.





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