



**metaverse**

PILLAI COLLEGE OF ARCHITECTURE



A handwritten signature in black ink that appears to read "Saish Karangutkar".

PiCA  
Student  
Council  
SENATE



FRONT COVERPAGE AND VOX LOGO  
BY SAISH KARANGUTKAR



VOICE OF PICA

ANNUAL MAGAZINE 2022-23  
MES

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# FOREWORD

Welcome to a new edition of Vox magazine 2022-23, where we embark on an exhilarating exploration of the Metaverse, an ever-expanding digital realm that has transcended the boundaries of our imagination. In this issue, we delve into the convergence of technology and architecture, unravel the multifaceted aspects that define this virtual frontier. Within the Metaverse theme, we invite you to join us on a captivating journey through the lens of parametric designs, sustainable technologies, kinetic marvels, perceptual shifts, and the transformative impact of virtual reality in the world of architecture.



The aim of the annual magazine has consistently been to offer a stage, not only for students but also for our esteemed faculties, to articulate their ideas. Yet, it transcends the boundaries of mere expression; it is a profound journey that imprints a lasting impression on an individual's personality. This imprint serves as an individual's path towards becoming not only skilled architects but also better-rounded individuals, enriched in understanding, expressiveness, and gentleness. Architectural education serves as both creativity and innovation, acting as the backbone for moulding students into standout professionals.

It is a holistic experience that shapes not just careers but also the very essence of who we are as human beings. Within the expansive realms of VOX, our platform extends far beyond the mere showcase of architectural skills. It is a dynamic space designed to amplify personal growth and cultivate well-rounded personalities.

I take this opportunity to appreciate the contribution of all those who make us stand tall and encourage us to take a gigantic flight with our wide wings! I am looking forward to my dedicated faculty members and dearest students helping our institute reach its highest goals! Here to foster a community where ideas flourish, expressions resonate, and personalities bloom.

Happy reading!  
Best regards,

Sincerely,  
Dr. Sudnya Mahimkar

# FACULTY HEADS



**PROF. NEHA DESHPANDE**



**PROF. SNEHAL GHAG**

Referring to the previous volume of Vox magazine and coinciding with the current situations in the world, people have propelled and accelerated from the concept of a “digitally shifting world” to a “parallel universe.”

Focusing on the theme of the metaverse this year through the lenses of parametric designs, advancements in sustainable technologies, kinetic designs, architectural perception, and virtual reality in architecture provides a rich and diverse perspective. By exploring different dimensions of the Metaverse theme, Vox magazine provides a comprehensive and thought-provoking exploration of how digital technologies are reshaping the field of architecture. This approach allows for a deep dive into both the technical advancements and the transformative impact on the way we conceive, design, and interact with architectural spaces in the virtual realm. The latest edition of VOX 2022-23 stands as a remarkable initiative by the student publication team. It features thoughtfully selected content, encompassing engaging conversations with guest speakers, meticulously documented, along with a curated collection of photographs, essays, poems, illustrations, and creatively designed page breaks that are visually appealing. A harmonious blend and arrangement of content and graphics that captivates the reader's interest.

Join us as we navigate a landscape where creativity knows no bounds and the fusion of innovation and imagination propels us into uncharted territories of architectural exploration.

Let the journey begin...

# MEET THE TEAM !

CHIARA KARNIK  
(PUBLICATION HEAD,  
EDITOR)



SHRUTIKA PATIL  
(PUBLICATION CO HEAD,  
EDITOR)



SHANU SINGH  
(CONTENT TEAM )



## WORD FROM EDITOR

The world has undergone immense changes over the years, but perhaps none as transformative as the emergence of the metaverse. In the past decade, we've witnessed a dramatic shift in how people perceive and interact with digital environments, reshaping daily experiences in profound ways. The metaverse has proven to be a game-changer, offering boundless possibilities for global connectivity and immersive engagement. Embarking on this new frontier, the VOX team eagerly anticipates delving into the theme 'Metaverse' to explore the pioneering innovations and societal impacts of this dynamic digital realm. Join us as we navigate through the unexplored dimensions of the metaverse, unveiling its potential to redefine human existence and reshape our perception of reality. Welcome to VOX 2024: Metaverse.

TAARIKA RAJASEKARAN  
(GRAPHICS TEAM )



**YASH SAHASRABUDDHE**  
(GRAPHICS TEAM )



**ANCHAL HEMJITH**  
(CONTENT TEAM )



**DIVYA PATIL**  
(CONTENT TEAM )



**SUSAN KOTARKAR**  
(CONTENT TEAM )



**SAITEJA MITTAPELLY**  
(GRAPHICS TEAM )



**VOLUNTEERS -**  
VIDULA GHODEKAR  
DARSH RANAWAT

1900

### BLUEPRINT BEGINNINGS

-The 1900s mark the era of hand-drawn blueprints, emphasizing meticulous craftsmanship and attention to detail in architectural drafting.



1910

### ARTISTRY IN INK

-Inked drawings gain popularity, showcasing the artistic flair of architects as they experiment with various styles and ornate detailing.

1930s

### FUNCTIONAL SIMPLICITY IN HARD TIME

-The Great Depression shapes architectural drafting, emphasizing functional simplicity and cost-effective designs.

1940

### WAR-INFLUENCED PRECISION

-World War II influences precision in drafting, with a focus on efficiency, practicality, and adaptability in architectural plans.

1920

### THE RISE OF MODERNISM

-Modernist influences emerge, simplifying designs, and focusing on functionality, leading to a shift from traditional ornamentation.

1950

### MID-CENTURY MARVELS

-Mid-century architecture flourishes, characterized by open floor plans, large windows, and integration with nature.



1960

### TECHNOLOGICAL ADVANCEMENTS

-The introduction of computers revolutionizes drafting, marking the shift from manual to digital methods in architectural planning.

## 1990 DIGITAL REVOLUTION

-Computer-aided design (CAD) becomes mainstream, transforming the speed and precision of architectural drafting processes.

1970s

## SUSTAINABILITY TAKES ROOT

-Architects embrace sustainability, incorporating eco-friendly materials and designs to address environmental concerns.



2010s:

## PARAMETRIC DESIGN AND IMMERSIVE TECHNOLOGIES

-Introduction of parametric design tools and widespread adoption of Virtual Reality (VR) and Augmented Reality (AR) for innovative and algorithmically-driven architectural designs.

1980s

## POSTMODERN PLAYFULNESS

-Postmodernism brings a playful mix of styles, rejecting strict rules and embracing diverse influences in architectural drafting.

## 2000s: BIM INTEGRATION IN ARCHITECTURAL DESIGN

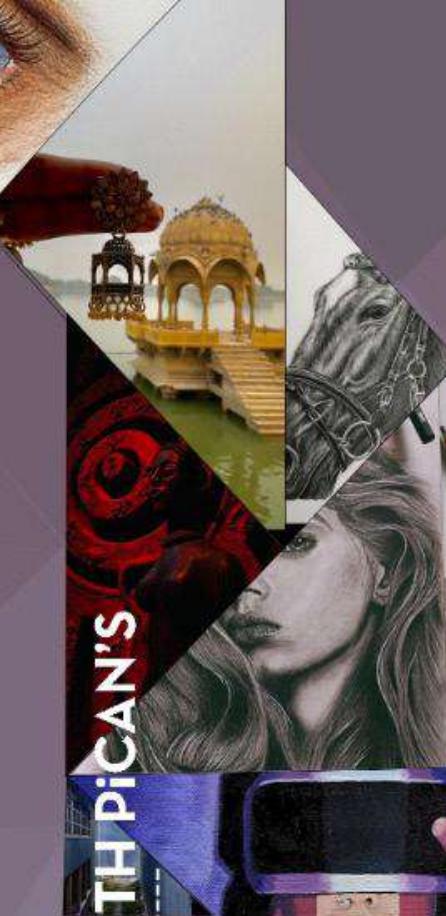
-Evolution of BIM technology, transforming architectural design processes with remote collaboration through cloud-based platforms.

2020

## EMERGING FRONTIERS: AI, GENERATIVE DESIGN, AND ML

-Anticipated integration of Artificial Intelligence (AI), Generative Design, and Machine Learning (ML) in architectural drafting, promising enhanced efficiency and creativity through automation and optimization tools. algorithmically-driven architectural designs.

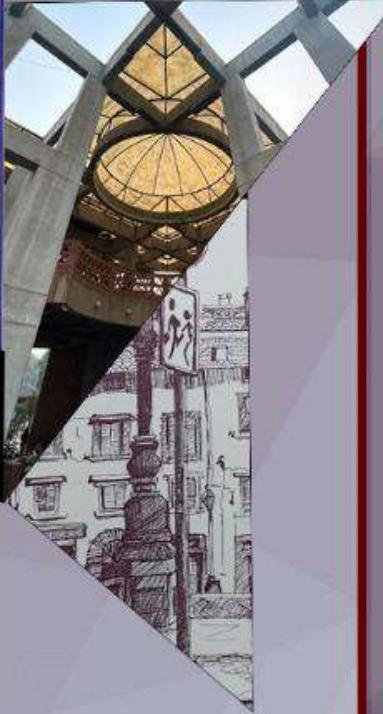
## 01. CONVERSATIONS WITH ALUMNI



## 02. CONVERSATIONS WITH PICAN'S



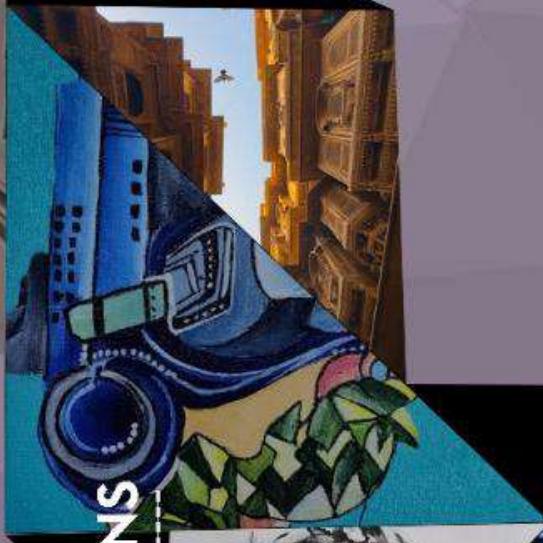
## 03. ARTICLES



## 04. COMPETITIONS



## 05. TOUR EXHIBITIONS



## 06. STUDENT'S CORNER

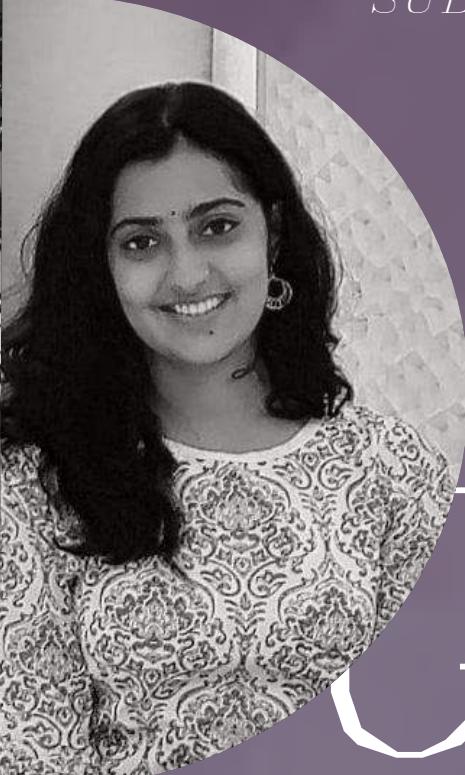


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*SUBIKSHA  
RAJAGOPALAN*

# YU WITH ALUMNIS

# CONVERSATIONS WITH ALUMNI



## 1. Can you briefly talk about your experience after graduation?

Hi there, I'm Abhishek Hegde. In 2022, I received my Bachelor of Architecture from Pillai College of Architecture. I was fortunate enough to be employed as a Research Assistant at the Kamla Raheja Vidhyavidhi Institute for Architecture and Environmental Sciences, where I challenged myself to overlay Architectural principles with other disciplines of urban design, urban sociology and human psychology as part of their 'Research Fellowship Programme' After receiving my degree. I currently am pursuing a master's degree in Urbanism with a specialization of Urban Design from the University of Sydney.

## 2. How did you navigate the transition from college to the professional world of architecture?

### REPERCUSSIONS

Since graduating, my professional path has mostly been expanding on my undergraduate architectural thesis by exploring the complex dynamics of urban environments, with an emphasis on the wider metropolitan scale. Using Kolkata's Hooghly River as a starting point for my investigation, I focused my research fellowship efforts on comprehending duality in urban environments under Mumbai University's "Research Fellowship Programme." Furthermore, the study focused on revealing the livelihood dynamics that are inherent in urban conditions, especially those that are impacted by the Hooghly River. This required a thorough examination of the urban fabric, with the river playing a key role in forming the surrounding landscape. The intention was to convey the complex relationships and interactions that exist in this urban setting. I am proud to share that the culmination of this research effort resulted in the publication of an academic volume titled 'River Responsive Stories: Livelihood Dynamics in Urban Space.' Through this experience, I have also developed a specialized focus on understanding the concept of Dailectics in an urban framework.

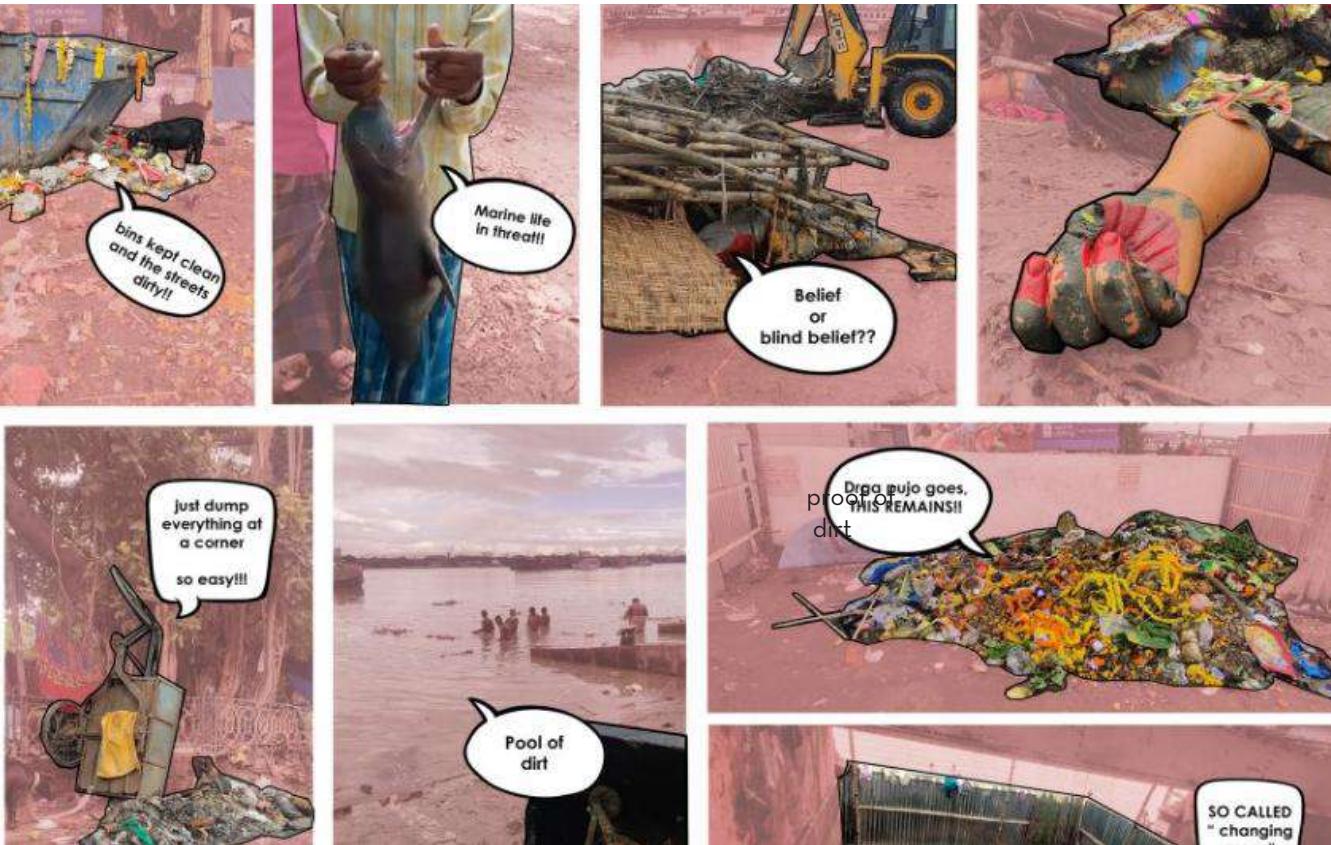
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### 3. What challenges did you face while the transition and how did you overcome?

In the early stages of my career, especially during the transitional period between my graduation and the commencement of my postgraduate studies, I encountered several challenges as I navigated through the vast field of architecture. It was a period of exploration for me, where understanding my specific interests within this broad profession posed a significant challenge. Initially, I found it intriguing to pinpoint my inclination, and it took some time to realize my deep interest in urban studies. The diverse nature of the field made it challenging to identify a specific niche initially. However, I embraced this phase of uncertainty as an opportunity for self-discovery and continuous learning. In the realm of research, I encountered the inherent difficulty of working on open-ended topics, where acceptance and validation could be elusive.

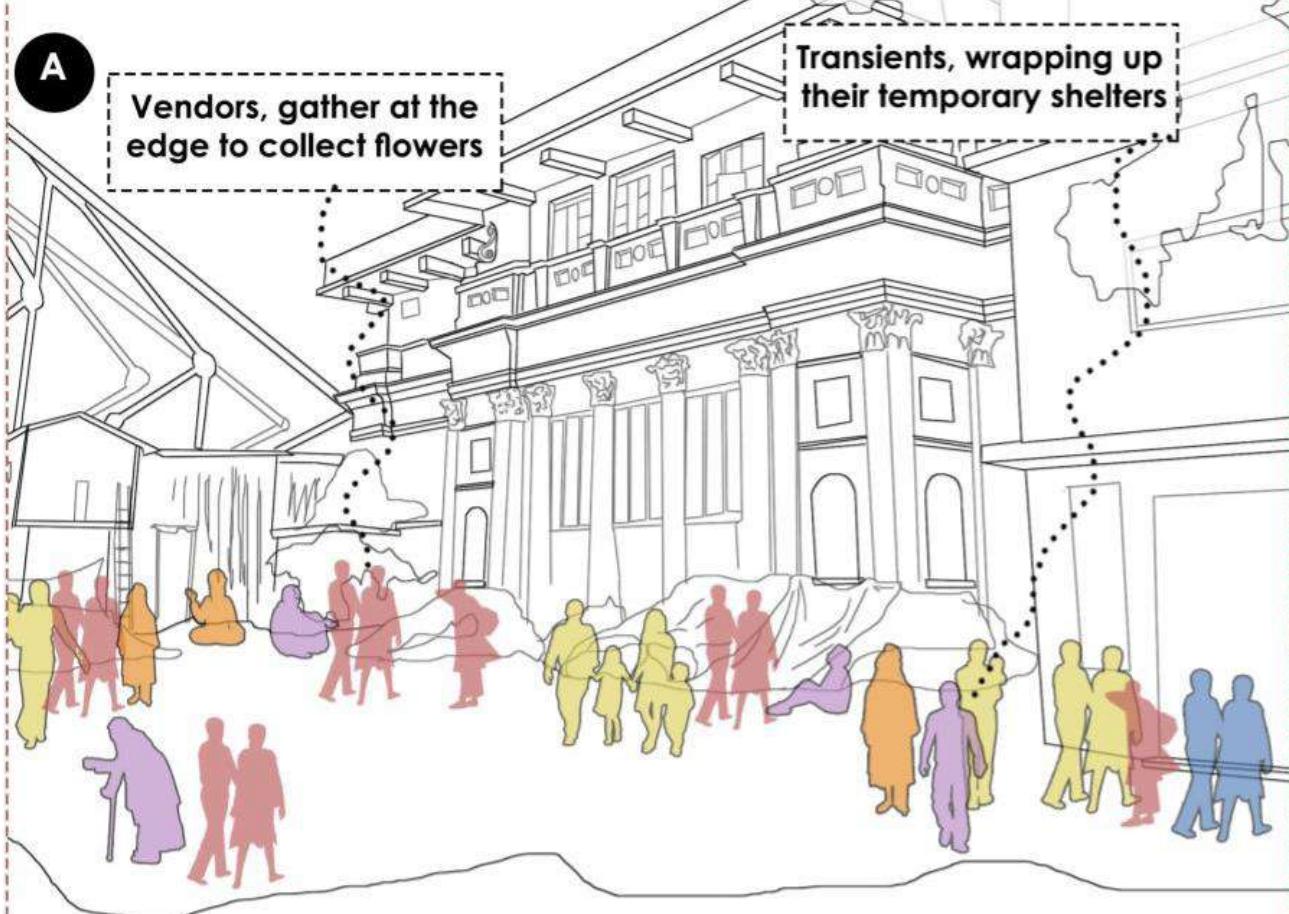
The ambiguity of certain research topics posed a challenge, but I embraced it as a chance to push the boundaries of my understanding and contribute to the discourse in innovative ways. While I may not have a conclusive measure of how much I have overcome these challenges, what I can affirm is my unwavering passion for my chosen ideologies and subjects. Engaging with professionals and immersing myself in academic discussions has provided valuable insights. One important lesson I've learned is that not every endeavour requires immediate acceptance. Embracing the journey, learning from challenges, and persistently pursuing my interests have been key strategies in navigating through these early stages of my career.



**A**

Vendors, gather at the edge to collect flowers

Transients, wrapping up their temporary shelters

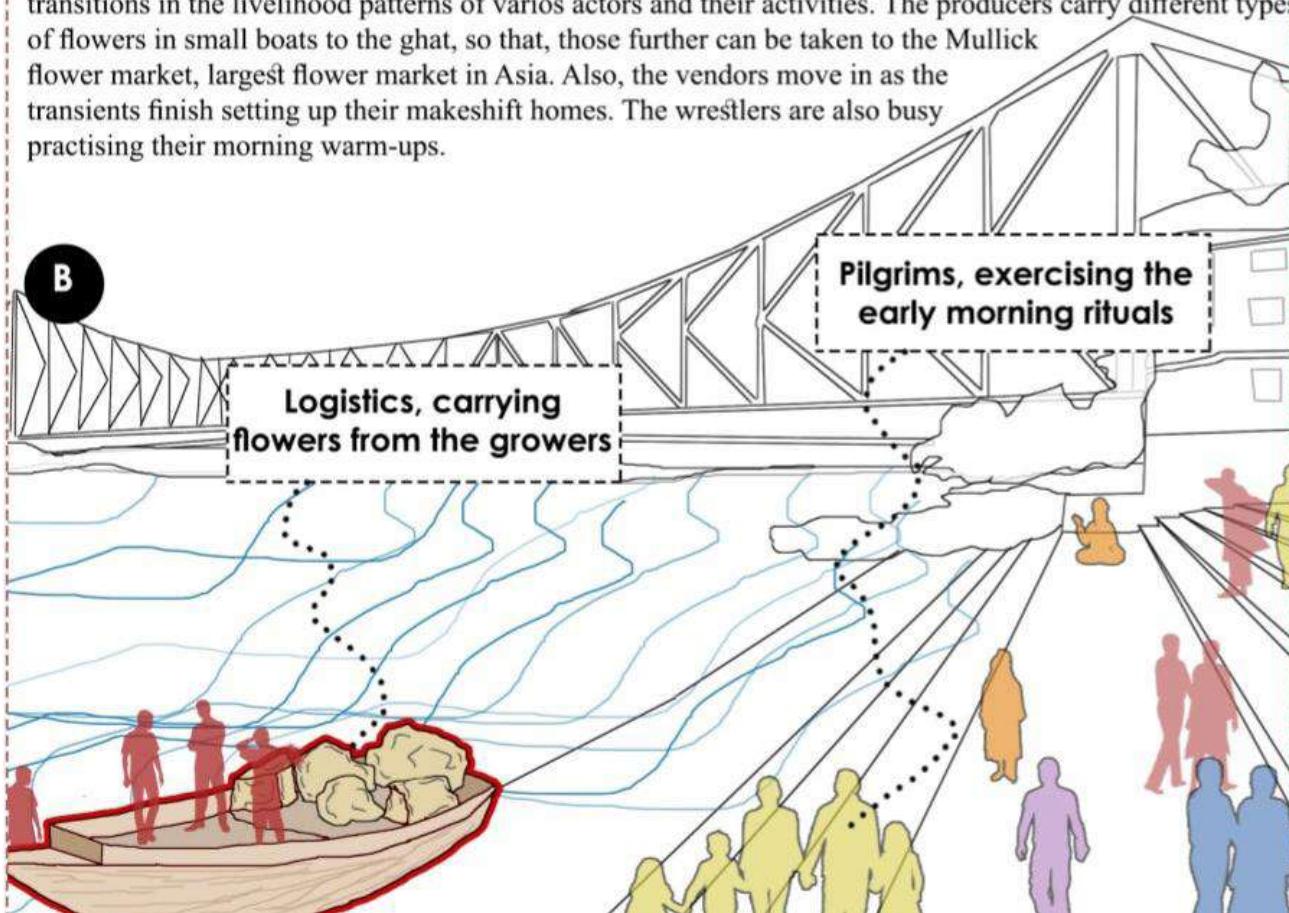


Early morning approximately 7:00 am onwards the Chotelal ghat starts becoming active with slight transitions in the livelihood patterns of various actors and their activities. The producers carry different types of flowers in small boats to the ghat, so that, those further can be taken to the Mullick flower market, largest flower market in Asia. Also, the vendors move in as the transients finish setting up their makeshift homes. The wrestlers are also busy practising their morning warm-ups.

**B**

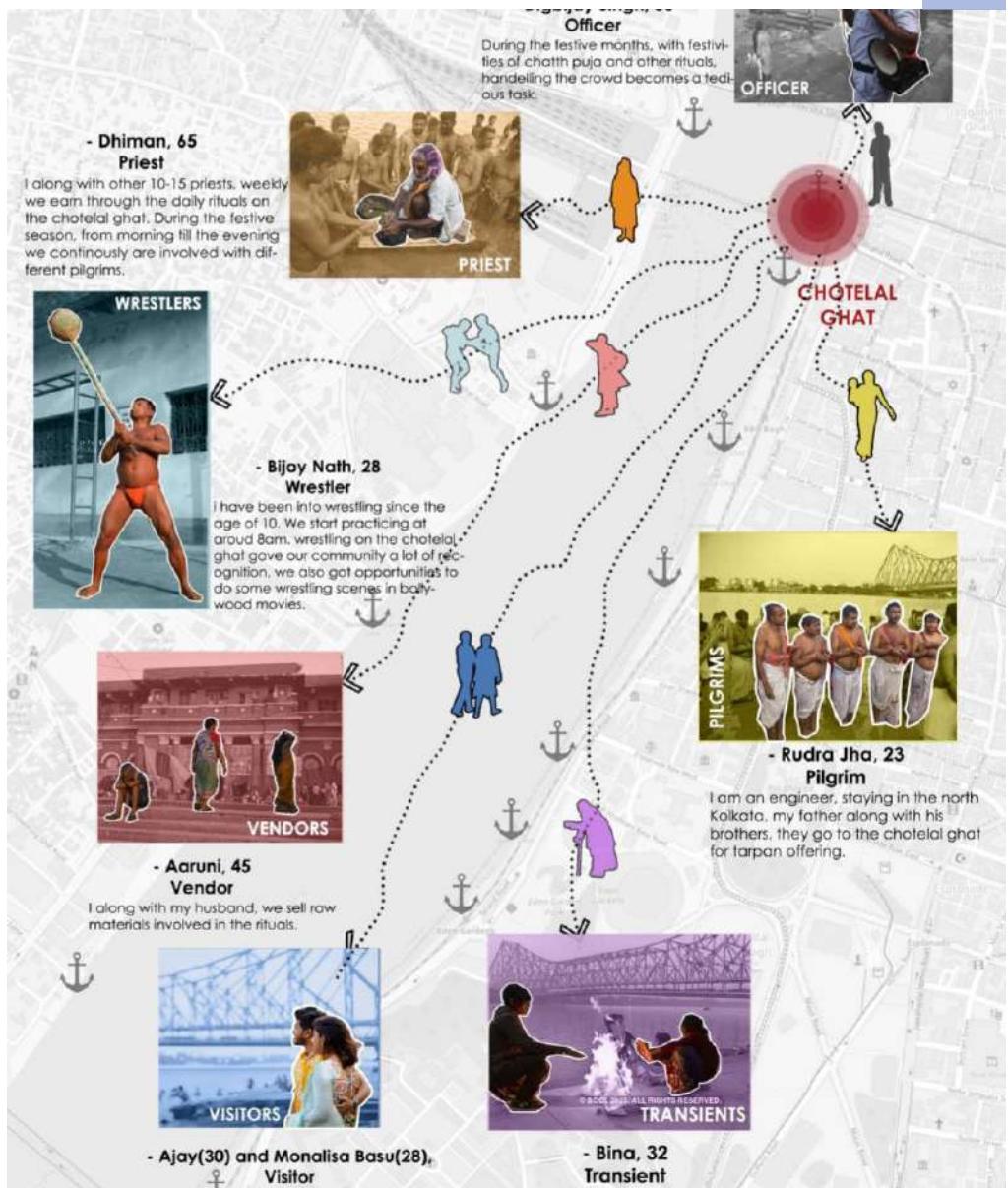
Logistics, carrying flowers from the growers

Pilgrims, exercising the early morning rituals



#### 4. What skills or knowledge do you think are crucial for architects in today's industry?

In today's architecture industry, I emphasize the significance of practicality. As architects, our foundation lies in creativity, each of us embracing a unique design methodology. Practicality ensures that our creative visions seamlessly translate into feasible and functional solutions. Moreover, effective communication skills are paramount. The ability to articulate design concepts, collaboration within teams, and convey ideas to clients and stakeholders is crucial in bringing architectural visions to fruition.

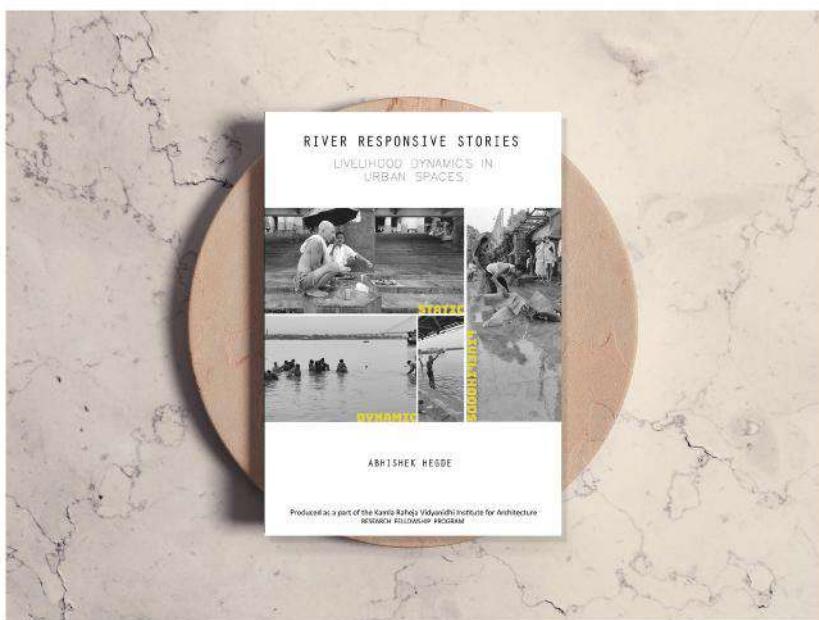


## 5. Can you share your thoughts regarding the theme Metaverse and the virtual world?

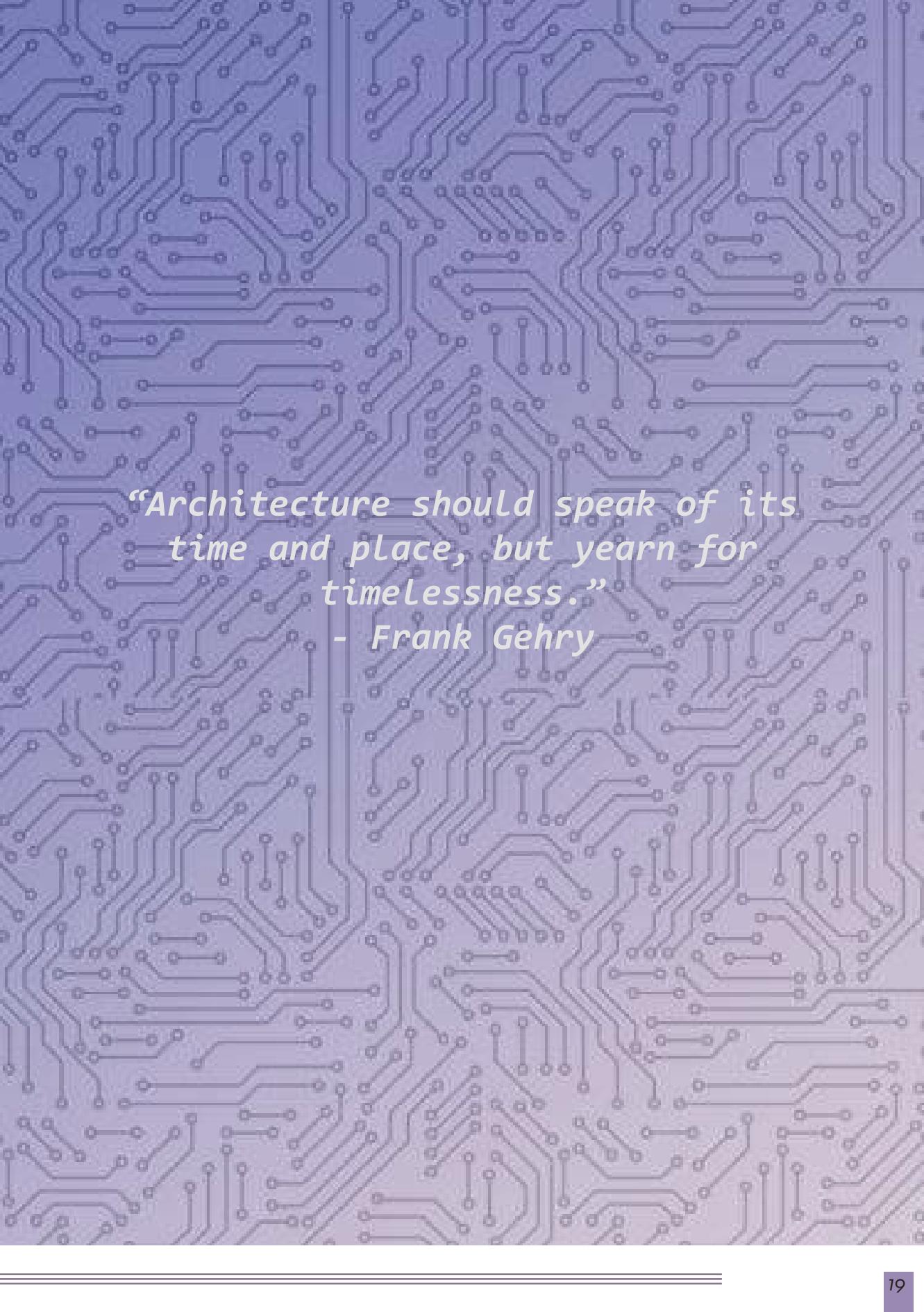
For us architects, diving into the metaverse has changed everything. It's similar to having this amazing digital playground where we can realize our crazy creative concepts. Online recording studios? Yes, they are now a thing. I don't have to get up from my workstation to collaborate with architects around the world. Not to mention the virtual reality tours, which are a lot of fun for clients to use before we even start construction! The best thing, though? It seems that at last, architects are conversing in the same language. It's easier to understand those bizarre design notions in light of the metaverse. It's a completely new method of presenting our architectural story, not just a tool. Really exciting times!"

## 6. How do you think the principles of physical architecture translate into virtual environments?

Choosing colors, textures, and shapes to create virtual settings that rival the real thing is our obsession when it comes to making digital spaces look and feel fantastic. Yes, utility is essential. Islands, museums, and virtual workplaces must feel authentic and be easy to use. Sustainability is important, even in the digital sphere. We're researching new technologies, maintaining environmental sustainability, and violating all the laws while doing so. Cooperation remains paramount. Using open platforms and virtual studios, architects are collaborating like at a digital design party! Thus, in the virtual playground, the fundamentals of real architecture are still very much alive and well. Although it's a crazy journey, we're loving every second of it!.



*“ Just enjoy every bit of it, believe in yourself and go with the flow!! ”*



*“Architecture should speak of its  
time and place, but yearn for  
timelessness.”*

*- Frank Gehry*

**1. Can you briefly talk about what inspired you to pursue architecture and your experience after graduation?**

I am Subiksha Rajagopalan, completed BArch from our very own PICA in the year 2023 and am currently a working professional. My introduction to the world of architecture occurred during my 11th grade when I discovered the perfect alignment between my passion for buildings and sketching and the creative career path that architecture offered. It's worth noting that in a family primarily immersed in financial and engineering professions, I proudly became the first to venture into the field of architecture.

**2. How did you navigate the transition from college to the professional world of architecture?**

From completing the pending assignments to meeting with the client's deadlines and requirements, the journey of an Architect is never ending. From designing and exploring imaginative spaces in design subject to actually going through the execution of buildings, I've come to know the importance of professional architecture life in terms of having good site experience. Job life is a very different experience compared to college. Let it be the friendship, responsibility, working hours, holidays, I really miss college.

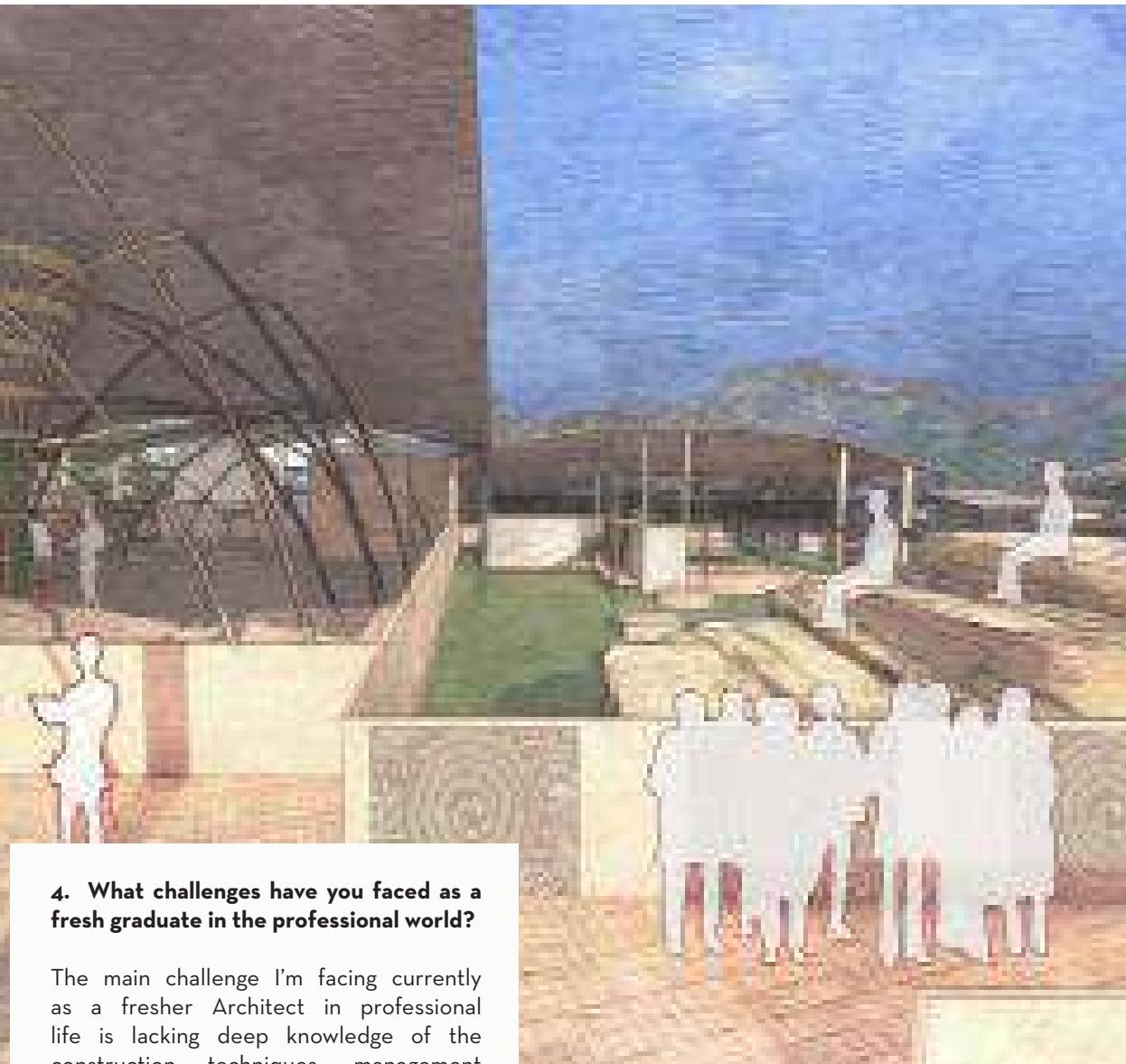


Subiksha Rajagopalan

**3. Can you share any memories of Architectural Design projects during academics? ?**

Every project I worked on in college is kind of special for me as when put all together, I find growth in my knowledge and passion towards architecture. Speaking of my favorites, my thesis always holds a special place on my priority list as it was entirely my own creation. It all began with identifying my interests, followed by selecting a project, engaging in extensive research, formulating a design program, and maintaining a high level of disciplined planning over the course of months leading up to my final jury day. I had even taken part in various national and international competitions securing winning ranks which are all special for me.

# CONVERSATIONS WITH ALUMNI



## 4. What challenges have you faced as a fresh graduate in the professional world?

The main challenge I'm facing currently as a fresher Architect in professional life is lacking deep knowledge of the construction techniques, management and having a thorough understanding of bylaws. I wish I had incorporated these aspects before entering professional world. So I urge all students to study, learn the bylaws, and design simultaneously considering material and techniques and to not miss any opportunity of visiting any site related work

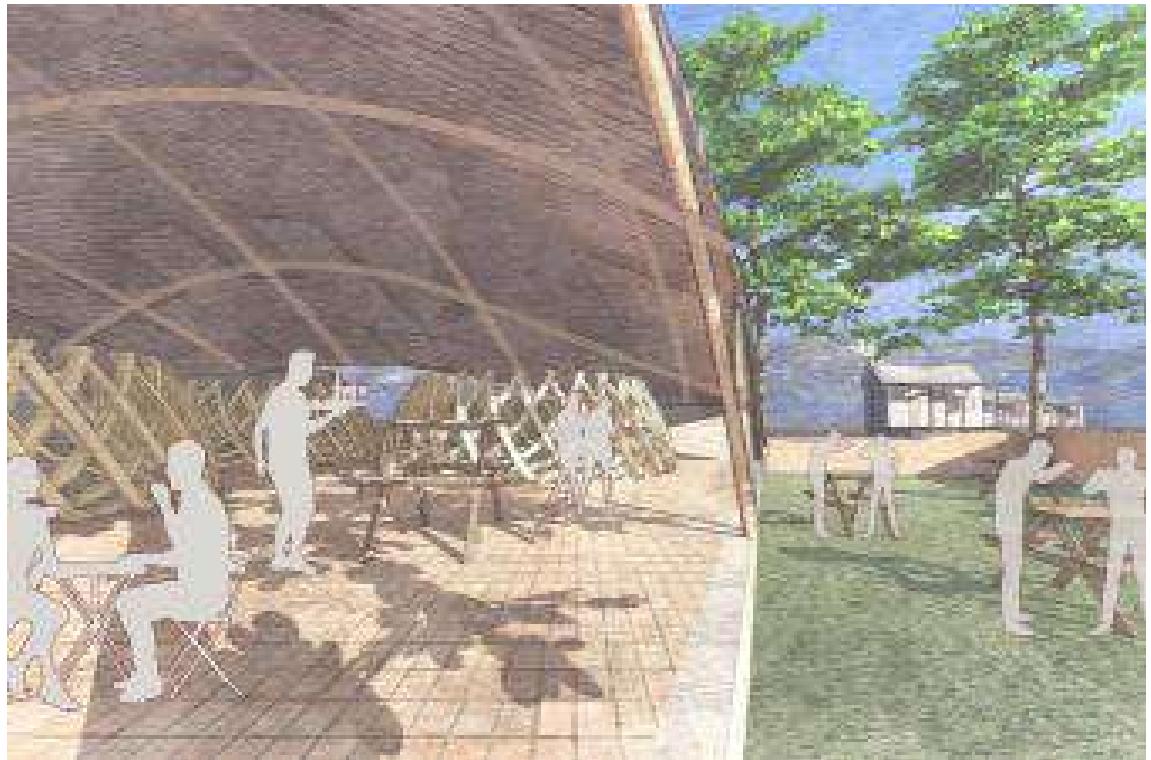
**5. Can you share your thoughts regarding the theme Metaverse and the virtual world?**

Metaverse in architecture has made it easy for the clients to perceive the design. Even for an Architect, it would be an immense help to actually understand how the design stands in real environment in terms of scale and character. I haven't really got the experience to get involved in any such project as of now.

**6. How do you see AI and the world of Metaverse impacting the future of architecture and design ?**

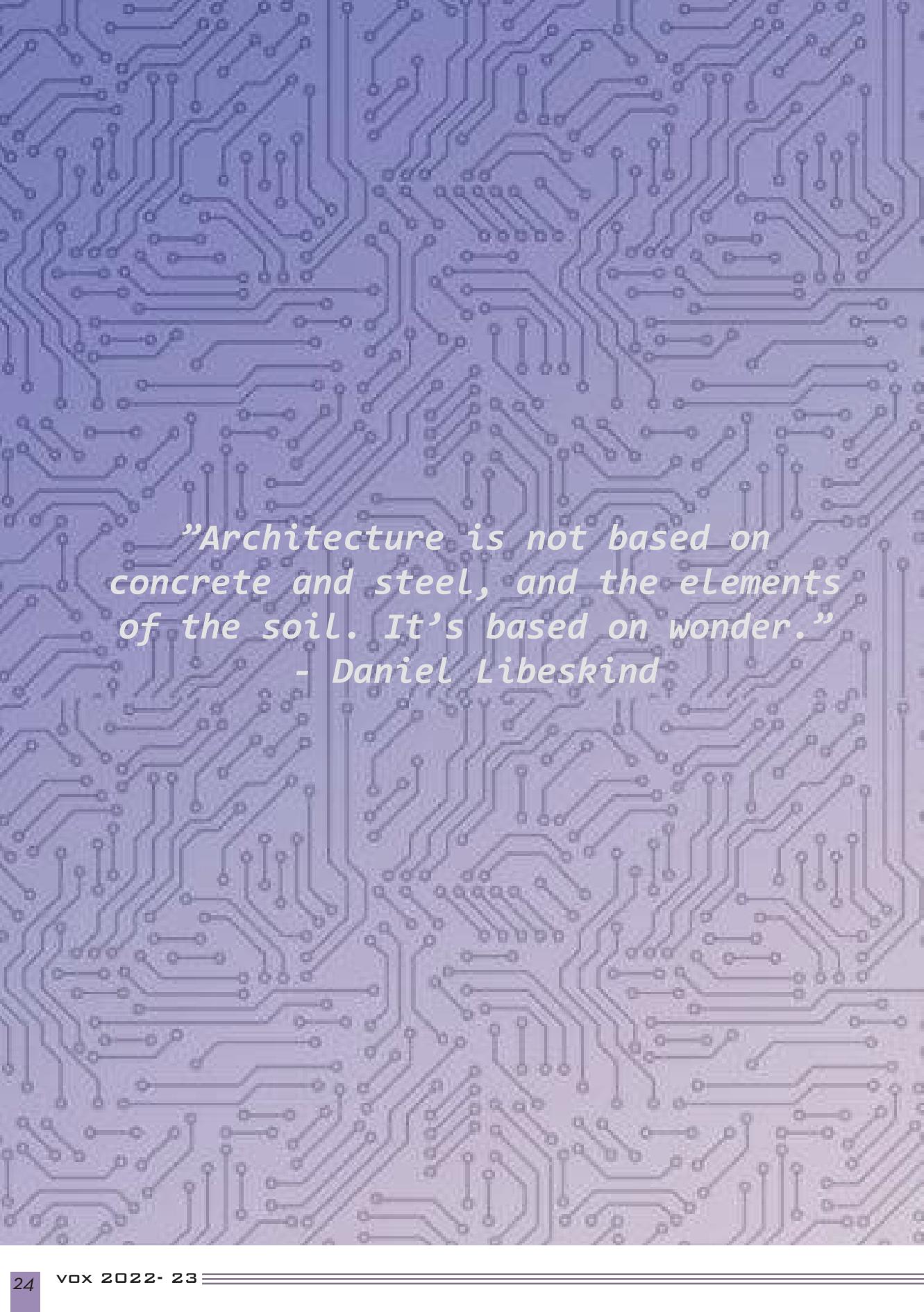
Metaverse would help cultivate a strong foundation in architecture, design principles, and spatial planning and will help in creating engaging virtual environments. It is really important for Architects to stay up to date and learning new technologies would help us to stay up-to-date with the latest developments in the metaverse and participating in online communities and forums dedicated to virtual reality and metaverse design can provide valuable insights and networking opportunities.





**7. What suggestions would you give to architecture students after graduation to proceed for professional journey?**

My advice to everyone would be to dedicate themselves wholeheartedly throughout the five years of architectural education. These years play a crucial role in shaping your architectural identity. Take the time to explore and understand your interests before making the leap into the professional world or considering further studies like a master's degree. Maintaining a strong CGPA is essential, as it opens doors to valuable scholarship opportunities for advanced studies. In the professional realm, architecture offers a multitude of creative opportunities compared to many other fields, so work diligently, stay passionate about your projects, and enjoy the journey towards achieving success.



*“Architecture is not based on concrete and steel, and the elements of the soil. It's based on wonder.”*

*- Daniel Libeskind*



SWALIKOLI  
and MEAD

*KUNDAN  
KIRANGE*

*DISTINGUISHED*

*DIAK*



*FAISAL  
SHAH*



*GUE*

**WITH PICANS**

### **1. What inspired you to pursue architecture?**

I was always fond of doodling and building stuff as a kid, and I used to find joy in playing with Legos, consistently and gradually I became excellent in that, and as I got older, I realized I could turn that into my career.



Kundan Kirange

### **2. What challenges have you faced as an architecture student and how have you dealt with them?**

Imagine you are in a giant art class where you have to build some good stuff. Well, there is always so much to do, like drawing, making models, and figuring out how the thing is standing. But I have a straight weapon. A planner to give me track, snacks and coffee for brain fuel, and my friends to keep helping me out when things get tricky together. We are like a superhero team (Faisal, Nikhil, and Kundan), of course, during good or bad times, kind of a gang of good friends and also to

### **3. How do you approach the design process from initial concept to final execution?**

Firstly, I bunch and doodle some ideas, and then, once I get serious, I plan out how everything fits together like a puzzle. As I am more fascinated with assembling things together as you see in Lego, I also work in a similar way. I talk to my teacher and friends to make sure my plan is solid, then I make models or drawings to show how and what it looks like till it works out as a better concept. Once it works out better, I start finalizing. For me, it's like building a cool Lego set. And once I get a solid idea of my concept, I start making detailed drawings and sketches to show what exactly the building looks like. It's a process of equal parts, imagination and practicality.

# CONVERSATIONS WITH PICANS

## 4. How do you stay creative and inspired in your work?

Staying creative is like keeping a fire burning inside you, right? So, keep exploring. I'm always on the lookout for new things. Whether it's a cool building, the art, or just taking a walk, everything inspires me

I mean, everywhere. I take breaks. I make sure to give my brain some resting time. Whether it's chilling with my friends, listening to music, or just zoning out, it helps me to recharge and come back even more creative. I always try to stay positive. I believe in myself and my ideas. Even when things get tough, I know there is a spark of creativity inside me. I'm just waiting for it to ignite.

## 5. How do you see your role as an architect contributing to society in future?

I just want to say in a single sentence, "I aspire to see myself as the superhero of the building with a holistic approach".

## 6. Do you admire any particular architects or architectural styles?

I admire BV Joshi and Charles Correa, who bring a vibrant enough layer to their designs. The way they blend the traditional Indian element with modern architectural principles in such a good way. Let's not forget about the stunning Mughal architecture with its indicated design and majestic dome. Whether it's vibrant color, pattern, or cultural heritage, Indian architecture always captivates me. Also, I can't forget about Steven Holl Architects, an Architectural firm in the United States of America. Their designs are so poetic in nature. I love how they play with light and space and create mesmerizing experiences. The way they incorporated sustainability into their designs is so inspiring to me. It's like they are painting a building using color, form, and texture.



Institution of Ideology, Ahmedabad

## 7. What advice would you give to fellow students who are starting their journey in studying architecture?

Architectural studies are like a rollercoaster ride for everyone. Build curiosity, Hard Work, Team work, and Self-Belief, trust and confidence. That's it. These are the only values you have to build in yourself. Stay true to your vision, and never underestimate the power of your creativity.

## 8. How do you manage time effectively as an architecture student?

Firstly, I break down my larger task into smaller tasks, like the way I collect all ingredients while baking a cake.

## 9. Could you please introduce your thesis project? What kind of software did you use for your thesis project?

My thesis project is Harvest Heaven, the vertical farming in the Central Park of Kharghar. So, the approach for bringing vertical farming to the heart of Kharghar is all about making the most of the limited space in urban environments, using tall buildings, and using innovative design to grow crops in a way that minimizes the impact on the environment. My design intent is an integral approach that aims to bring urban farming to life, making cities greener, more sustainable, and ultimately a better place to live.

The most important part of my design is making sure that we grow food in a way that's good for the planet. I have focused more on using less water, using renewable energy, and reducing waste. Also, I want to teach people in the community about how we can grow food sustainably. This way, I can grow more food by taking care of the environment and helping our community.

Also, for my thesis project, I primarily used softwares like AutoCAD for drafting and creating detailed floor plans, Google Sketch Up for 3D modeling, Revit for building information modeling. It has been to develop more complex architectural elements and analyze the building's performance.





## 10. How do you balance your studies with other hobbies?

My studies and my hobbies are all about finding the right rhythm in my day. I carve out a dedicated block of time for both, making sure I prioritize what needs my attention the most at any given moment. If I have an upcoming exam or project, I will focus more on my studies during this period. But I always make sure to leave room for my hobbies too.

Sometimes I even find ways to blend it too, like listening to music while I study or taking a break to doodle or play a quick band. So it's crucial to remember to take breaks and relax, though. So, even when I'm deep into study mode, I make sure to set aside moments to unwind and do something I enjoy. So yeah, it's all about finding the balance that keeps me motivated and fulfilled in both my academics and my pursuits.



## **11. How do you approach sustainability and environmental consideration in your thesis projects?**

In my thesis projects, sustainability and environmental considerations are central to every aspect of the design and implementation process. Firstly, I prioritize the use of renewable energy sources, such as solar power, to minimize the carbon footprint of the vertical farming facility.

This includes incorporating solar panels into the design of the building to generate electricity for lighting, heating, and other energy needs. Secondly, water conservation is a key focus. I had tried to implement a water recycling system to minimize water usage and maximize efficiency. This includes capturing and recycling water from various sources, such as rainwater harvesting and condensation from HVAC systems. Additionally, I emphasize the use of organic and eco-friendly materials in construction to reduce environmental

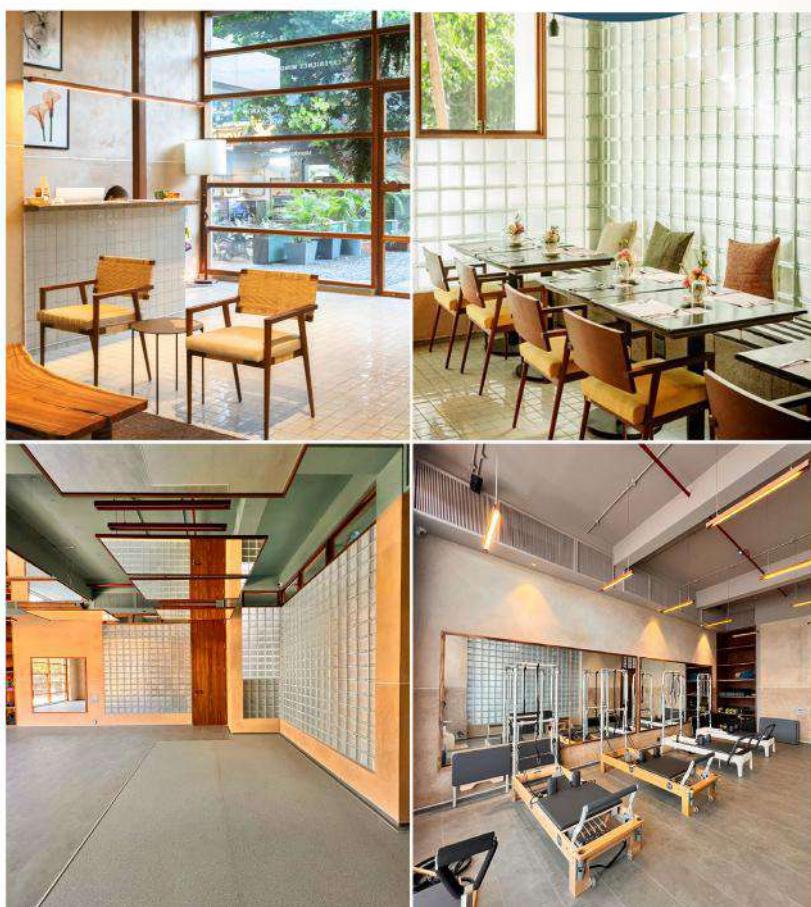
This includes selecting sustainable weeding materials and utilizing low-emission production processes wherever possible. Again, I integrated waste reduction strategies into the design, such as composting organic waste and utilizing by-products of the farming process as fertilizer. This closed-loop approach minimizes waste generation and maximizes resource efficiency.

Lastly, I prioritize community engagement and education about sustainable agriculture practices through workshops, educational programs, and, of course, interactive exhibitions. I aim to raise awareness about the importance of sustainability and empower individuals to make environmentally conscious choices in their daily lives.

So overall, sustainability and environmental consideration are the fundamental principles that guide every aspect of my thesis project, ensuring that it not only addresses the immediate need for efficient food production but also contributes to a healthier and more sustainable future for our planet.



THE KAIZEN WELLNESS SPACE, PANAJI



## 1. What inspired you to pursue architecture?

Since I was a child, I always had the habit of taking things or toys and breaking them down and putting back together. It was a constant urge to try to do things better, so architecture just worked out for me.

To be honest, I took an aptitude test, was interested in many things, science, mathematics, etc. And I do apply all these subjects and theories during completion of course. But it was largely a decision made by my councilor. However, my interest in making, breaking, and remaking things remained, so that's why I chose architecture.



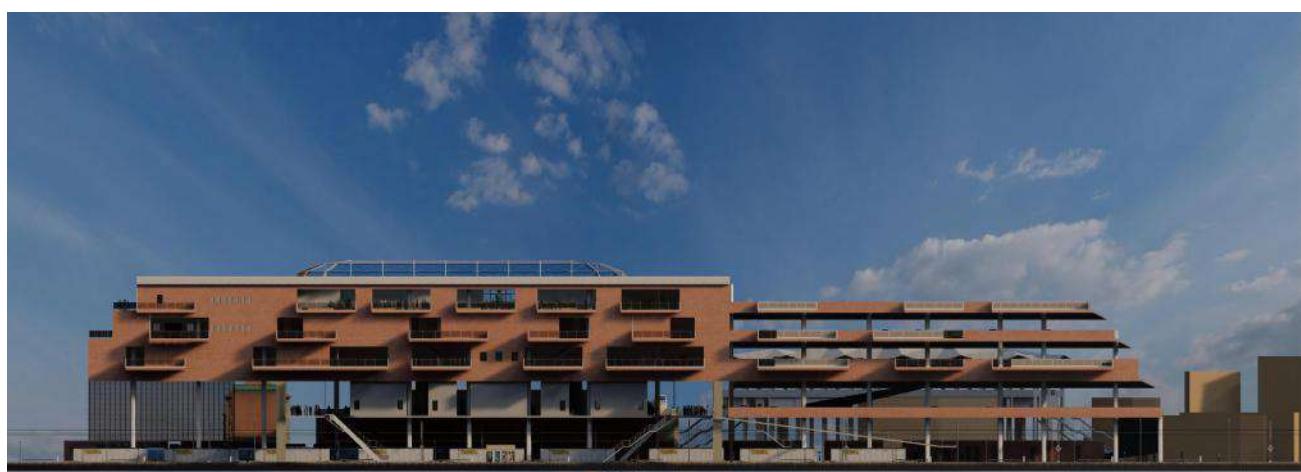
Faisal Shah

## 2. What challenges have you faced as an architecture student and how have you dealt with them?

The major challenge was being in another city and not knowing much about architecture due to limited resources. Coping with what is taught and what is practiced and striking a balance between them was difficult. I used to struggle with softwares and Architectural studies, but one thing is you just work enough and you will not struggle anymore.

## 3. Do you admire any particular architects or architectural styles?

The current style is neo futurism. But there is no particular style that I like, the reason being I am too young to decide that right now. It's more of a hit and trial, you need to taste everything to finally find your niche. When you are like, let's say in your 30's or 40's that's when you can finally say maybe this is my style. So, right now I am just exploring.



# CONVERSATIONS WITH PICANS

## 4. How do you approach the design process from initial concept to final designs?

I do not take a linear approach, I am much more diverse. There are times when I look at the user's perspective, times when I look at architecture and form, how should the space be perceived, how should it be used, and how will the users respond to it. I do a conjunction between architecture systems and architecture values. I have a matrix that I follow and I have presented that in my thesis as well.

## 5. What advice would you give to fellow students who are starting their journey in studying architecture?

Just an effective one liner, "Be up to date"

## 6. How do you see your role as an architect contributing to society in the future?

I am someone who loves using local materials. When I say local materials, I mean rural materials, because in cities the local materials are concrete and brick. Everybody has a role in society and it just does not start and end with the kind of architecture that I aspire to practice. The architectural practice that I want to aspire to work on is work culture, time, discipline and respect.

## 7. How do you manage time effectively as an architecture student?

Timing is everything. It is a presumption that people have that work gets done only at night. But it's not true. It is because you stay up at night and do not utilize the daytime that you become habituated to it.



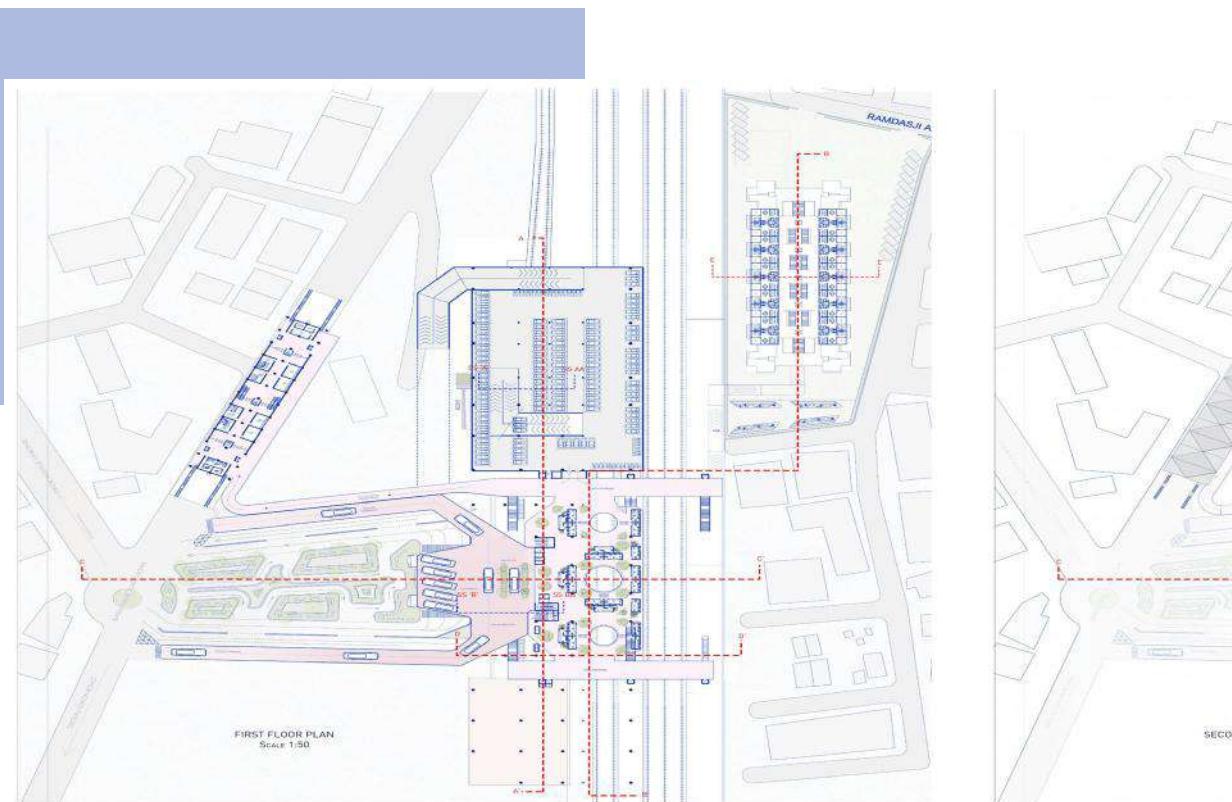
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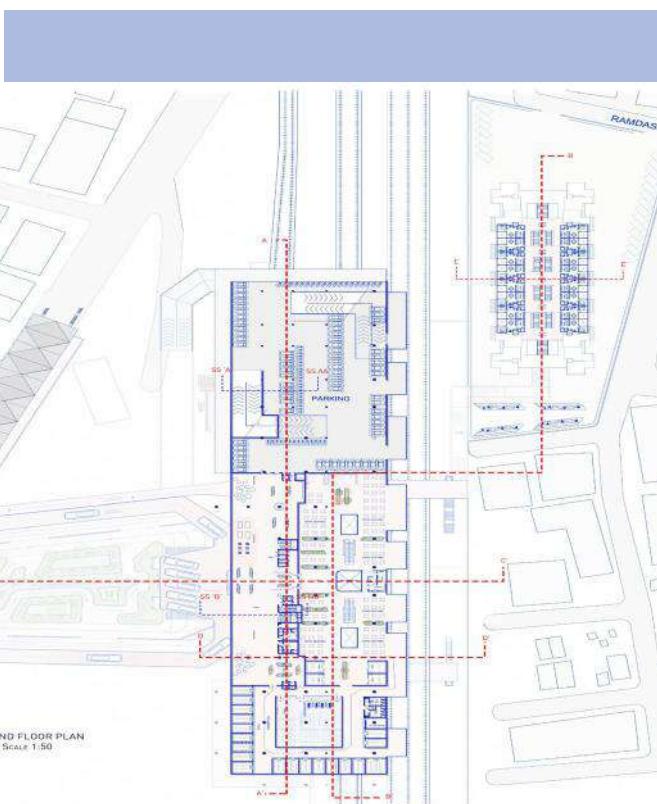


Look at new work every day, for 365 days at least twice a day for 5 minutes. Instead of scrolling on Instagram, visit the ArchDaily site. There is a project that comes up every day. There are so many great architects and their works. Take inspiration and keep learning.

## 9. How do you balance your studies with other hobbies?

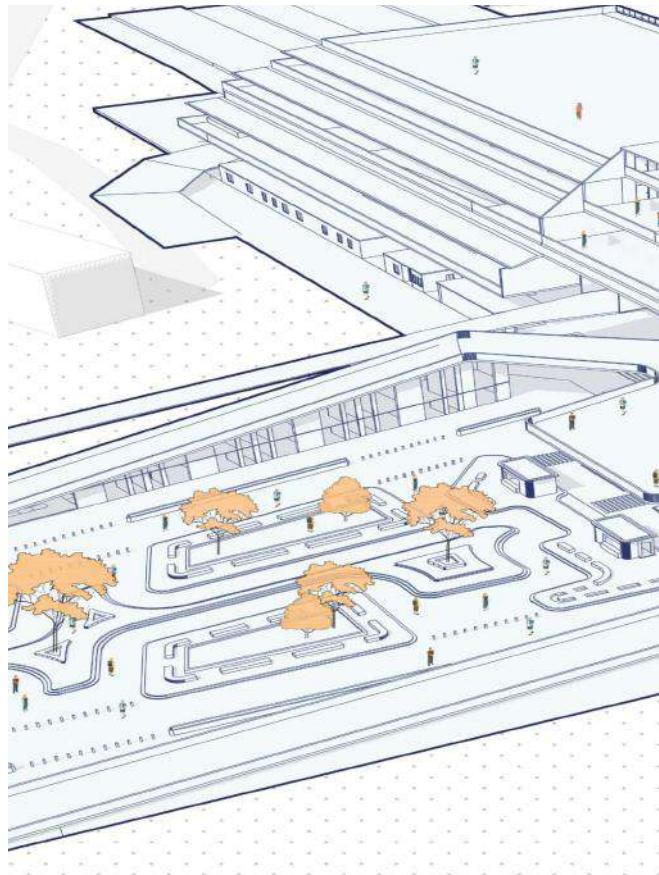
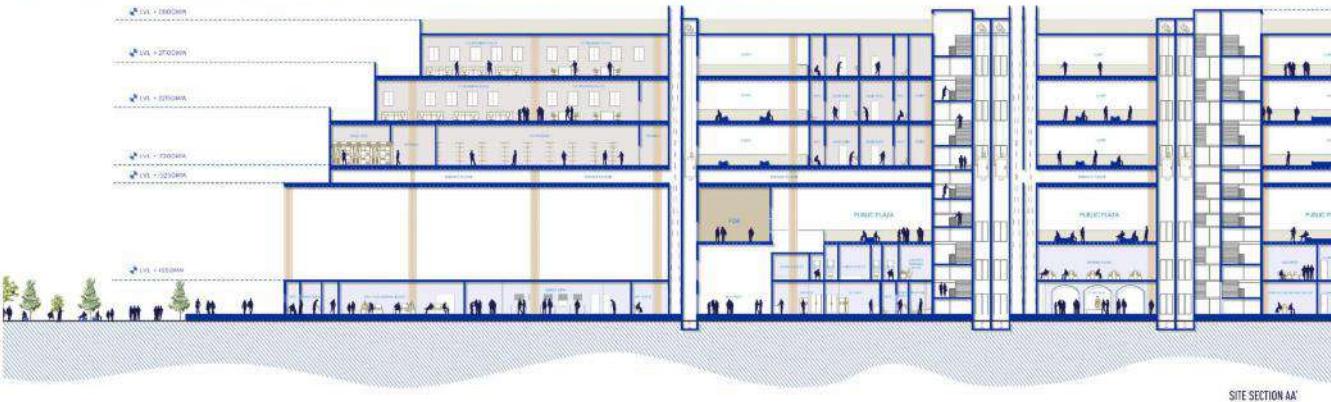
A proper time management. I have time slots for everything, so I don't waste my time.





**10. Could you please introduce your thesis project? What kind of software did you explore?**

My project was architecture alchemy, wherein I was looking at how architecture decisions of sculpting, form finding, etc.; can lead to making something that is gold as alchemy suggests taking base materials and turning them into gold. I used Rhino and Google sketch up for modeling, AutoCAD and rhino for the production of drawings, grasshopper for computational design, illustrator for presentation, graphics and other software like affinity designer and InDesign.

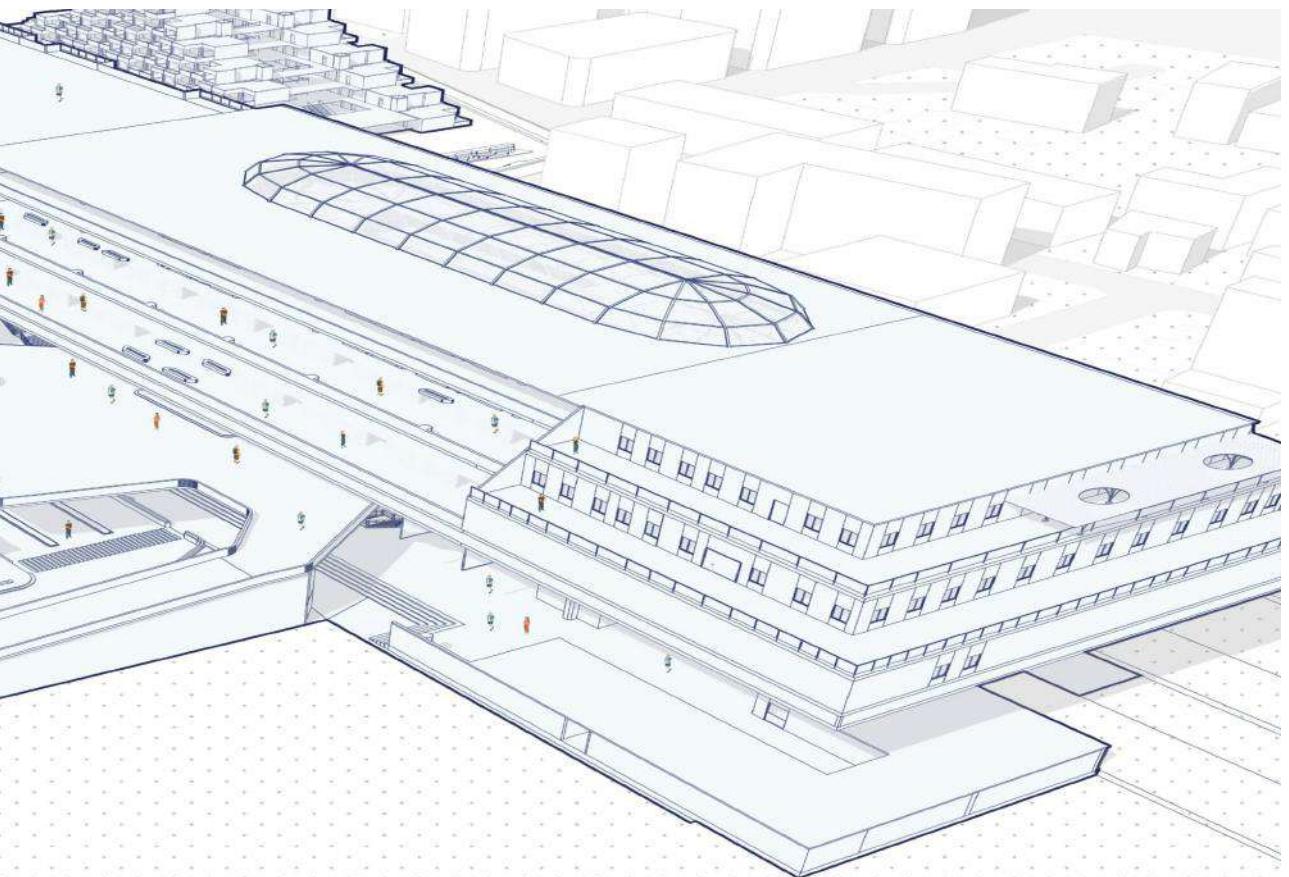
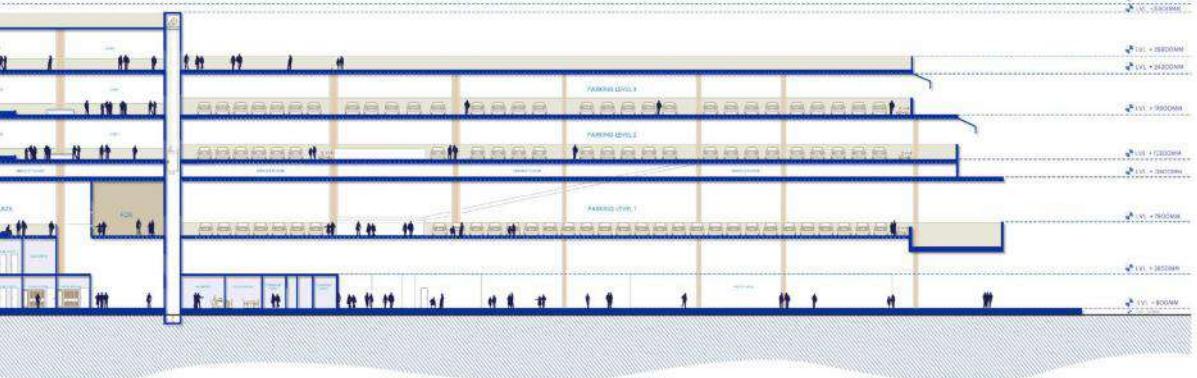


11. How do you approach sustainability and environmental consideration in your thesis project?

There are 17 sustainable goals listed by the United Nations. I usually follow that. Sustainability is beyond green roofs and saving water. They have a significant role to play as a whole.



also signifies the progress of Nashik.







SAITEJA MITTAPELLY  
2nd YEAR

# POETRY SECTION

## Metaverse: A Digital Odyssey

A tapestry woven by collective minds;  
A universe born from thoughtful binds.  
Creators mould and shape a seamless realm,  
where imagination assumes its helm.

Friendships forged in digital kin;  
Beyond the limitations our world has been.  
Strangers' hands clasp in virtual glee,  
Connected hearts in this metaverse sea.

Artists adorn spaces with vibrant hues,  
Unleashing beauty, their souls let loose.  
Galleries of dreams come to life,  
where inspiration conquers apathy and strife.

But amidst the brilliance, a word of caution,  
The metaverse beckons with tempting obsession.  
Let us remember the human touch,  
For balance and connection matter much.

For pixels and data may come alive,  
but let us not forget to truly thrive.  
In this metaverse, let our souls find peace,  
with kindness, empathy, and love, let our  
interactions cease.

So, let us embrace the metaverse's might,  
A testament to our digital flight.  
But let us tread with care and grace,  
And keep our humanity in this virtual space.

- Anchal Hemjith  
( 2nd year )



## Digital world in Architecture

In the realm where dreams and codes align,  
Where virtual worlds and minds entwine,  
The Metaverse emerges, a digital plane,  
Where architecture's beauty knows no restraint.

In this boundless realm of endless sight,  
Architectural wonders take their flight,  
Skyscrapers soar, reaching for the stars,  
Majestic structures, both near and far.

Palaces of pixels, with halls so vast,  
Where avatars wander, present and past,  
Each building a story, a narrative told,  
In this virtual realm, where wonders unfold.

Bridges span across digital streams,  
Connecting realms, fulfilling dreams,  
Architects of the Metaverse, visionaries true,  
Crafting landscapes where fantasies accrue.

So let us explore this realm anew,  
Where architecture blends with the virtual view,  
In the Metaverse's embrace, we shall roam,  
Where imagination finds its eternal home

- Susan Kotarkar  
( 2nd year )

## **Nature's Gift**

In the dawn's tender light, nature awakens,  
A symphony of life in forests unshaken.

The sun lends its warmth to each dew-laden leaf,  
as nature's melody embraces all grief.

The gentle breeze whispers secrets untold,  
Through rustling leaves, stories unfold.  
The rivers dance with a playful glee,  
Rippling melodies caressing each tree.

Majestic mountains rise toward the sky, Their  
peaks touching clouds, so high.  
Snow-capped summits gleam pure and bright,  
A testament to nature's relentless might.

Fields of wildflowers paint the earth's canvas,  
In vibrant hues, a sight so enchanting and lavish.  
Butterflies flutter, a dance filled with grace,  
Amongst blooming blooms, finding solace and  
space.

Nature in all its forms, a masterpiece divine,  
A reminder that beauty can always shine.  
Let us cherish this earth, our sacred ground,  
With great reverence and love, forever profound.

- Shantu Singh  
( 2nd year )

## Seasons of Life

Life, a wondrous dance upon Earth's stage,  
With chapters yet unwritten, a vibrant page.  
A tapestry woven with shades of delight,  
and shadows of sorrow that dim the light.

In the embrace of dawn, we first take breath,  
a newborn soul, untouched by the clasp of death.  
In innocent wonder, we explore and learn,  
as life's kaleidoscope begins to turn.

We chase fleeting dreams, like butterflies in flight,  
Seeking elusive happiness, day and night.  
Through life's wilderness, we stumble and fall,  
but rise again, determined to stand tall.

In youth's embrace, we taste love's sweet kiss,  
A symphony of emotions, pure and bliss.  
Hearts entwined, two souls in tender sway,  
A love that sparkles, forever to stay.

As seasons pass, time's arrow swiftly flies,  
Leaving scars and memories behind our eyes.  
But life, dear friend, is a precious gift,  
A symphony of moments that swiftly drift.

So seize the day, embrace each fleeting hour,  
for life's true meaning lies in its fragile flower.

- ShrutiKa Patil  
( 2nd year )





YUTIKA TAWDE  
2nd YEAR



KOMAL PATIL  
2nd YEAR



UNNATI DESALE  
2nd YEAR

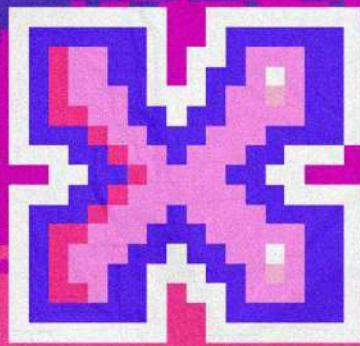
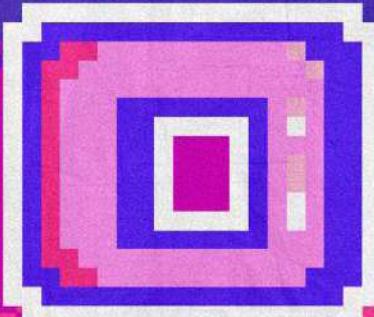
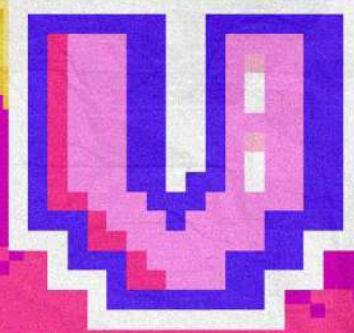


TAARIKA RAJASEKARAN  
2nd YEAR

DENNIS PHILIP  
3rd YEAR  
(COVERPAGE COMPETITION ENTRY)



DHAVAL MULIK  
3rd YEAR  
(COVERPAGE COMPETITION ENTRY)



Voice of PICA

22-23



NISHANT TANDEL

2nd YEAR

(COVERPAGE COMPETITION ENTRY)

VOX23

# META VERSE



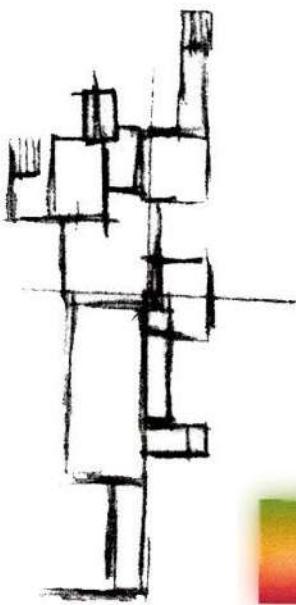
DHAVAL MULIK  
3rd YEAR  
(COVERPAGE COMPETITION ENTRY)

# VOX

VOICE OF PICA

2022 -2023

## META VERSE



# THE ARCHITECT'S BLUEPRINT FOR A BALANCED LIFESTYLE

SHANU SINGH

2ND YR



In the ever-evolving world of architecture, the pursuit of innovative design often goes hand in hand with demanding schedules and high-stakes projects. As architects navigate the intricacies of their profession, finding equilibrium between career aspirations and personal well-being becomes essential for sustained success and fulfillment.

## **Physical Wellness in a Sedentary Field:**

The nature of architectural work often involves prolonged periods of desk-bound tasks. Counteracting the sedentary nature of the profession is imperative. Incorporating regular physical activity, whether through brief exercise breaks, stretching routines, or adopting ergonomic practices, can mitigate the health risks associated with long hours of sitting.

## **Mindful Work-Life Integration:**

Architects are passionate about their craft, often dedicating tens of hours to their projects. However, establishing clear boundaries between work and personal life is crucial. By consciously integrating moments of rest and leisure, architects can safeguard their well-being

## **Physical Wellness in a Sedentary Field:**

The nature of architectural work often involves prolonged periods of desk-bound tasks. Counteracting the sedentary nature of the profession is imperative. Incorporating regular physical activity, whether through brief exercise breaks, stretching routines, or adopting ergonomic practices, can mitigate the health risks associated with long hours of sitting.

## **Nourishing the Creative Mind:**

A healthy lifestyle for architects extends beyond physical well-being to include mental health. Cultivating a well-nourished creative mind involves engaging in activities outside the design realm. Reading, art appreciation, and exposure to diverse experiences provide the mental stimulation necessary for sustained creativity and prevent burnout.

## **Sustainable Practices Beyond Design:**

Just as architects champion sustainability in their projects, embracing sustainable lifestyle practices is equally vital. Making eco-conscious choices in daily life, from reducing waste to opting for green products, contributes not only to personal health but also aligns with the environmental ethos inherent in the profession.



## **Prioritizing Rest and Recovery:**

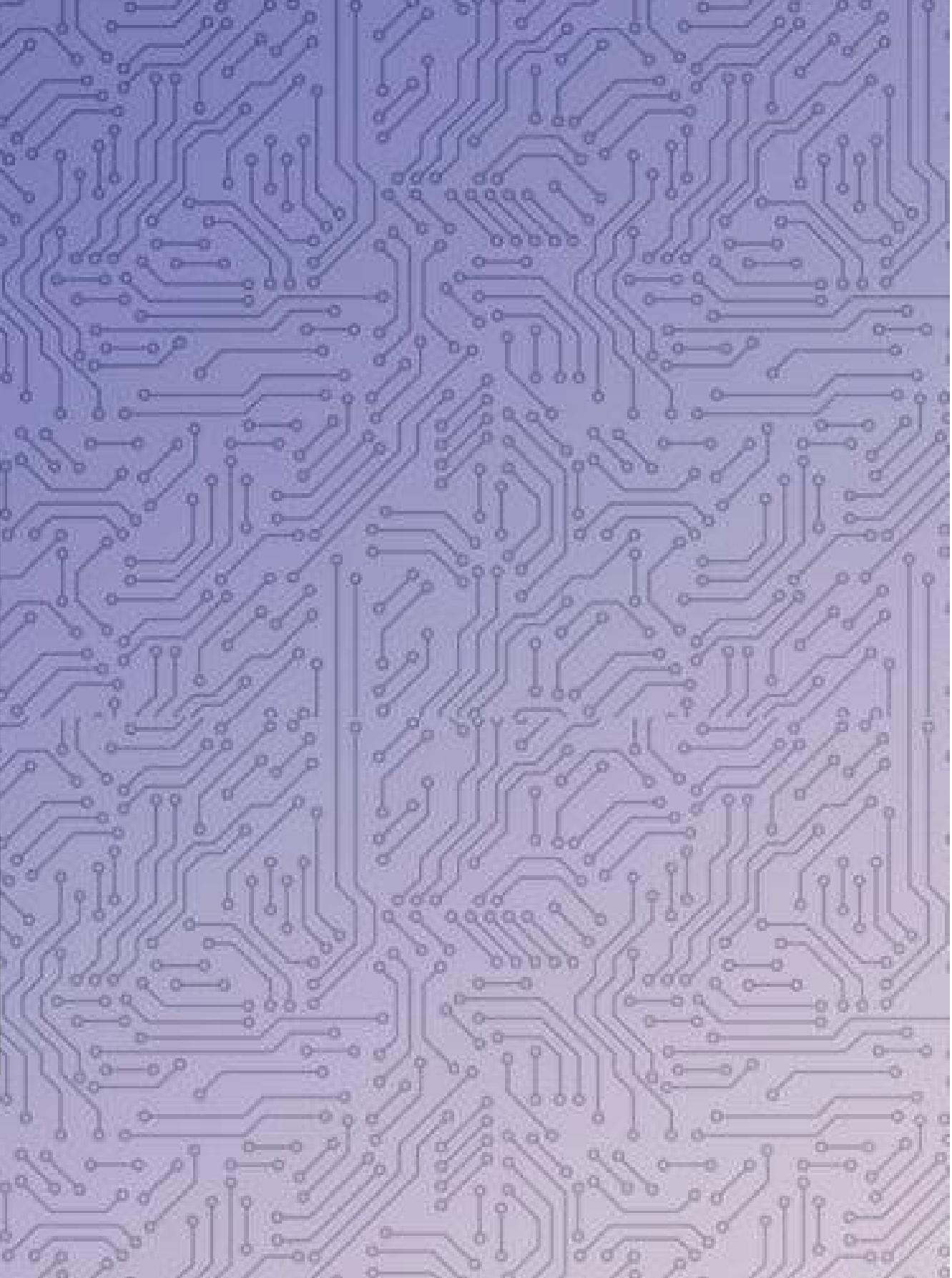
Recognizing the importance of adequate rest is paramount for architects who often work under tight deadlines. Establishing a consistent sleep routine and incorporating relaxation techniques can enhance overall well-being, ensuring architects approach their projects with resilience and creativity.

## **Building Professional Support Networks:**

In the collaborative world of architecture, creating a strong support network is invaluable. Connecting with colleagues, mentors, and peers provides not only professional insights but also emotional support. Sharing experiences, challenges, and successes fosters a sense of community, helping architects navigate the pressures of the profession.



In conclusion, architects can achieve a harmonious balance between their professional and personal lives by prioritizing mindful work-life integration, physical and mental wellness, sustainability, rest, building support networks, and committing to continuous learning. By adopting this holistic approach, architects can not only excel in their craft but also lead fulfilling and well-rounded lives.



# SUSTAINABLE ARCHITECTURE: BUILDING FOR A BETTER TOMORROW

ANCHAL HEMJITH

2ND YR

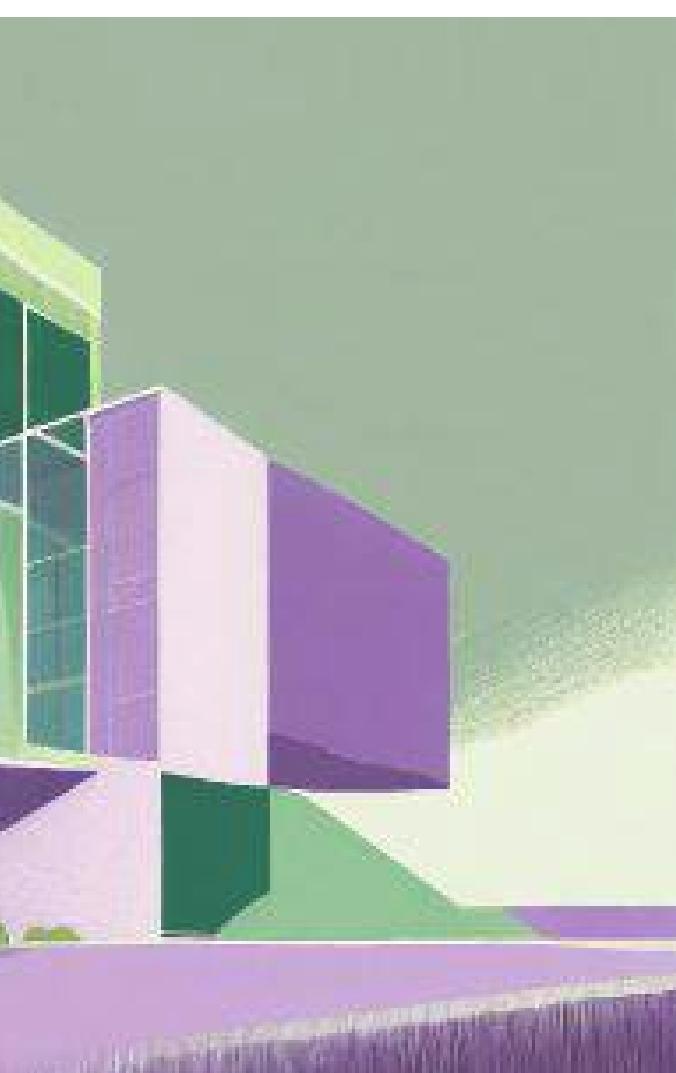
In recent years, people have been talking a lot about sustainability in different industries, including architecture. Sustainable architecture, also called green or eco-friendly architecture, focuses on making buildings that don't harm the environment and make people feel good. This way of designing is becoming more important as the world deals with big environmental problems. Let's see what sustainable architecture is all about and why it's important for the future.

Sustainable architecture tries to find a good balance between buildings and nature. It aims to use less energy, produce fewer greenhouse gasses, and make less waste while also using more renewable resources and making indoor air healthier. This approach means buildings aren't just useful and nice-looking; they also help the Earth stay healthy.

One important part of sustainable architecture is using energy wisely. Buildings use a lot of energy, so it's crucial to design them to use less. This can be done in different ways, like using solar panels for power, designing buildings to use natural light and air, and using energy-saving lights and appliances. By using less energy, sustainable buildings not only fight climate change but also save money in the long run.



Saving water is also a big deal in sustainable architecture. With water becoming scarce in many places, architects are finding ways to use less water in buildings. This can mean installing things like low-flow toilets, collecting rainwater, and recycling used water. By using water wisely, sustainable buildings help save water and reduce pressure on water supplies.



One important part of sustainable architecture is using energy wisely. Buildings use a lot of energy, so it's crucial to design them to use less. This can be done in different ways, like using solar panels for power, designing buildings to use natural light and air, and using energy-saving lights and appliances. By using less energy, sustainable buildings not only fight climate change but also save money in the long run.

Sustainable architecture doesn't just benefit individual buildings; it can also create whole neighborhoods or cities that are sustainable. These places often have parks, walkable streets, and good public transportation, making it easier for people to live in a way that's better for the environment.

In the end, sustainable architecture is key to a better future. By focusing on using energy wisely, using eco-friendly materials, saving water, and making indoor spaces healthier, sustainable architects are changing the building industry for the better. Their choices help take care of our planet's resources as we face the challenges of climate change.

# TRANSLUCENT WOOD: A NEW FRONTIER IN ARCHITECTURAL DESIGN

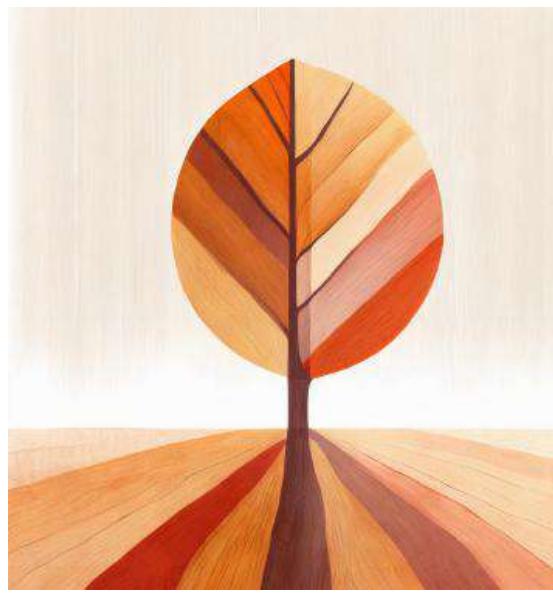
SHRUTIKA PATIL

2ND YR

Architects and engineers have been getting creative with building materials to make designs that are both sustainable and cool. One material they are excited about is translucent wood, created by removing the lignin from wood, the substance that gives it its characteristic color and opacity. What remains is a translucent structure that preserves the natural beauty and strength of wood while allowing light to pass through.

One standout feature of translucent wood is its ability to play with light. When sunlight filters through, it creates a soft, diffused glow, reducing the need for artificial lighting during the day and making spaces feel warm and inviting. This reduces energy consumption and creates a more sustainable built environment.

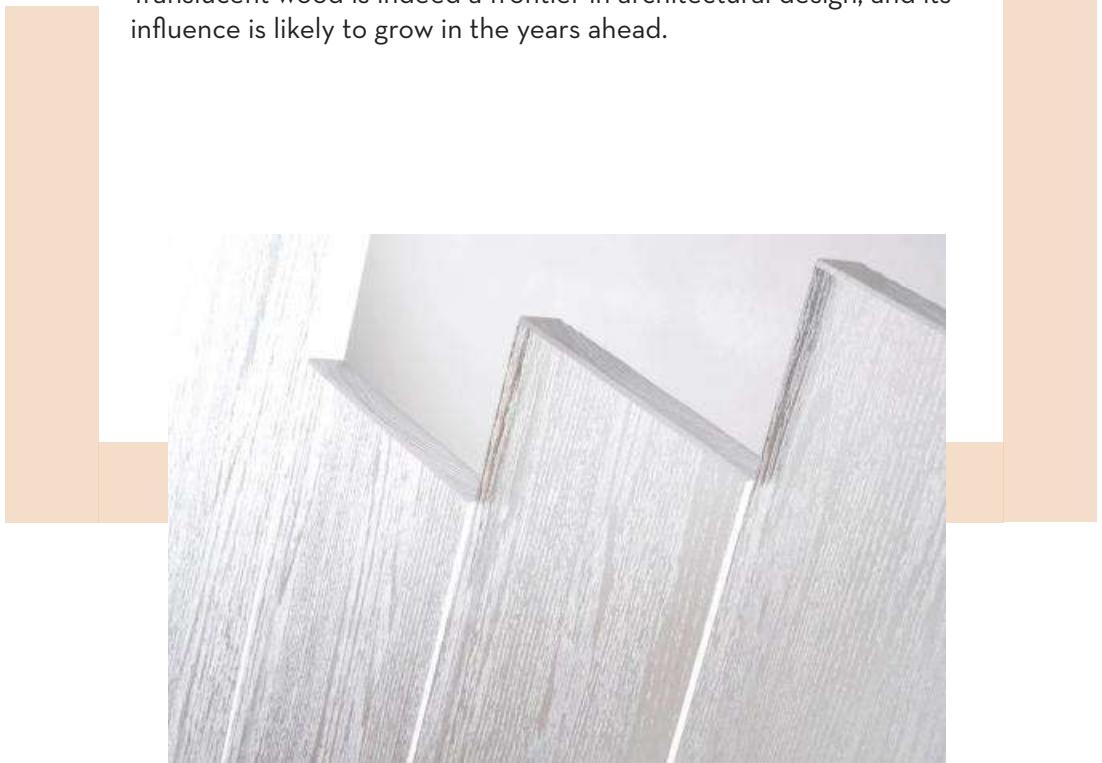
Moreover, translucent wood is versatile in design. It can be shaped into various forms, giving architects the freedom to create eye-catching structures, from facades to furniture. Its sustainability is another big plus. By using more of each tree and making it last longer, this material reduces waste and the need for maintenance.



Privacy is another advantage. While letting in light, translucent wood maintains a level of privacy, making it suitable for interior partitions and room dividers.

Already, projects like the International House in Stockholm, Sweden, highlight the potential of translucent wood. This house boasts a facade entirely made of translucent wood, adding to its aesthetic appeal and energy efficiency. In urban settings, translucent wood pavilions and bus stops are not just functional but also add a touch of beauty to public spaces, fostering a connection between nature and urban life.

As architects continue to seek sustainable and visually appealing designs, translucent wood emerges as a promising option. With ongoing advancements, we can expect to see even more innovative and breathtaking structures that seamlessly blend nature with the built environment, all while reducing our environmental impact. Translucent wood is indeed a frontier in architectural design, and its influence is likely to grow in the years ahead.



*Beginning of an Evolutionary Material*

Moreover, translucent wood has been employed in various urban projects, such as translucent wood pavilions and bus stops. These structures not only enhance the visual appeal of public spaces but also provide functional amenities for the community. The unique combination of organic textures and filtered light can create a calming and harmonious environment, fostering a connection between nature and the built environment.

As architects strive to create sustainable and visually captivating designs, translucent wood offers a promising solution. Its ability to manipulate light, flexibility in design, sustainability, and privacy-enhancing properties make it a material that can redefine architectural norms.

The future of architecture holds immense potential for the use of translucent wood in creating innovative and sustainable structures. With advancements in technology and material research, we can anticipate even more breath-taking designs that seamlessly integrate the natural world into our built environment, while reducing our environmental footprint. Translucent wood is indeed a new frontier in architectural design, and we can expect to witness its increasing prevalence and impact in the years to come.



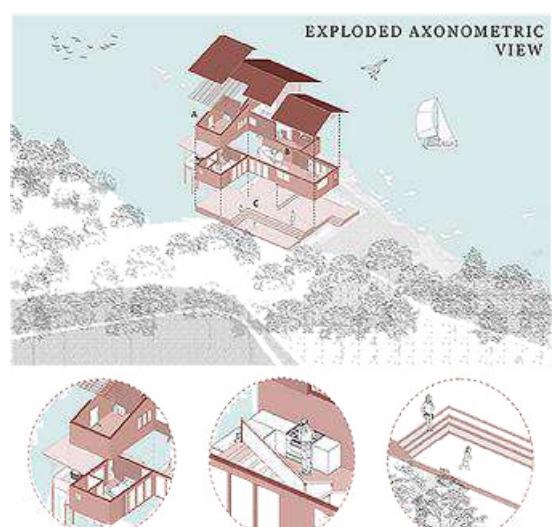
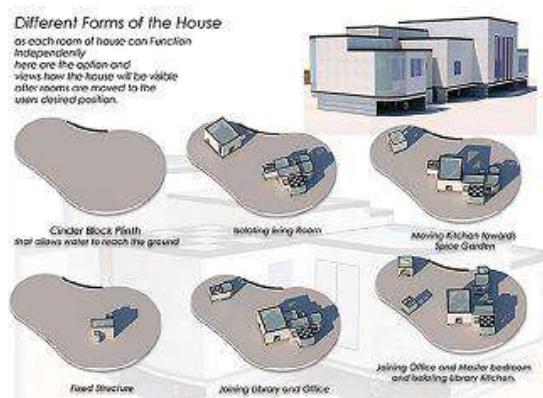
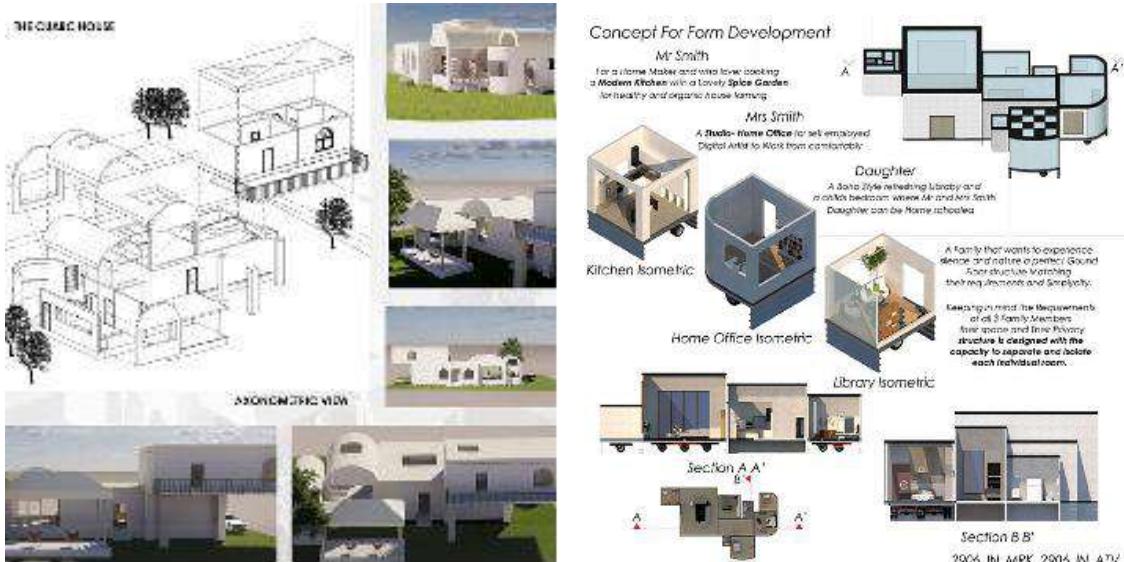


YUTIKA TAWDE  
2nd YEAR

# Competition

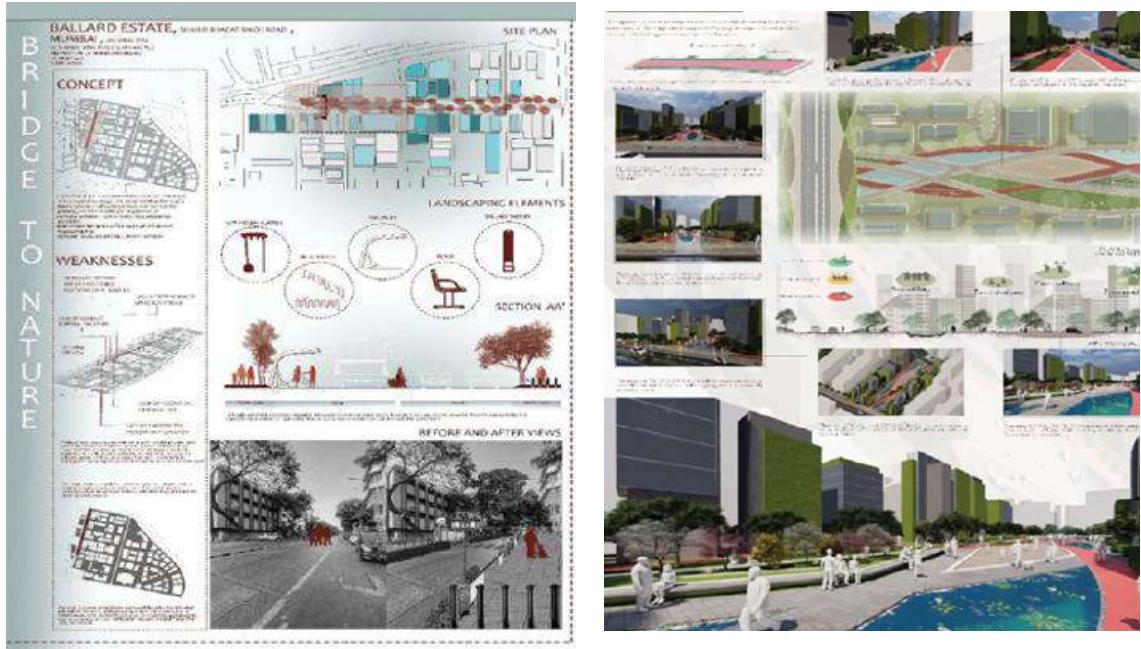
## Minimal Dwelling Competition - 30th June 2023

In Archiol's Minimal Dwelling 2023 competition, PiCA stood out with four teams in the Top 15. Chiara Karnik, Bharambe Kirti, Sameer Pawar, Diksha Wavhal, Praveen Naik, Sanjana Kamisetti, Janhavi Kankale, Rima George, and Shrushti Omble showcased innovative designs. Mrunal Khandare and Atharva Velhal received a Special Mention for their outstanding contributions, emphasizing sustainability, functionality, and aesthetics in minimalist housing.



# Competition

Bridge To Nature - 26th May 2023



## "BRIDGE TO NATURE"

Architectural Design Competition, 2023  
Held by D.Y. Patil School of Architecture, Navi Mumbai

Hearty Congratulations to the  
Honourable Mentions



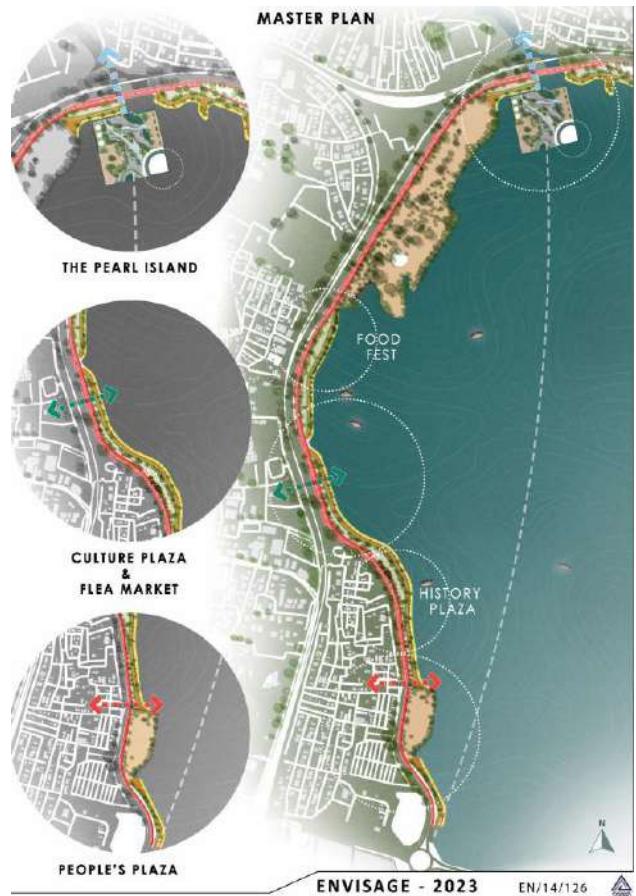
D.Y. Patil College of Architecture held a "Bridge to Nature" design competition. Two teams from Pillai College of Architecture, featuring Ms. Nidhi Salagare, Ms. Roshni Tiwari, and Mr. Suryateja Mutta, received Honorary Mentions for their imaginative architectural and landscape proposals, redefining the human-nature connection.

# Competition

Envisage - 18th August 2023

Vaishnavi College of Architecture, Hyderabad, organized a significant event centered on Hussain Sagar Lake's revitalization, drawing participants from colleges nationwide. Noted architects and urban designers K T Ravindran, Jayasree Deshpande, and Yeshwant Ramamurthy judged the competition.

Pillai College of Architecture excelled, as students Faiz Kasu, Harita Nair, Vaishnavi Suravase, Tanvi Sonar, and Vedika Kadam secured the top spot, thanks to their innovative design proposal. Faculty member Aarti Mankame played a vital role in their success.





# RE-IMAGINING NECKLACE ROAD

*- Enhancing the experience of  
Hussain Sagar*

CALL FOR STUDENTS OF ARCHITECTURE FROM INSTITUTIONS PAN INDIA TO RETHINK THE STRETCH STARTING FROM INDIRA GANDHI STATUE - VIA - NECKLACE ROAD RAILWAY STATION - TO SANJEEVAIAH PARK AND PROPOSE IDEAS TO ELEVATE THE EXPERIENCE OF HUSSAIN SAGAR AND ITS PRECINCTS.

**1ST PRIZE : 25000 INR  
2ND PRIZE : 15000 INR  
3RD PRIZE : 10000 INR**

LAST DATE FOR REGISTRATION : ~~15TH JUNE, 2023, 22:00 HRS.~~  
**03RD JULY, 2023, 22:00 HRS.**  
LAST DATE FOR SUBMISSION : ~~31ST JULY, 2023, 22:00 HRS.~~  
**09TH JULY, 2023, 22:00 HRS.**  
JURY & AWARD CEREMONY : ~~21ST JULY, 2023, 10:00 HRS.~~  
**TO BE ANNOUNCED**

REGISTRATION FEE : RS.1000 PER TEAM

CONTACT US:

AR. P. ADITYA 7330783137  
AR. SUBHADRA PATNAIK 7702682545

EMAIL ID: [vsap.envisage@gmail.com](mailto:vsap.envisage@gmail.com)

REGISTER NOW  
SCAN FOR DETAILS





Hiral Patil  
2nd year

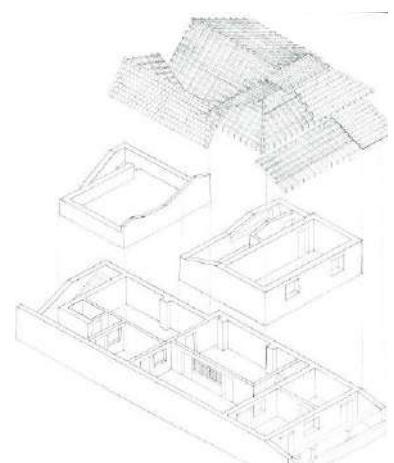


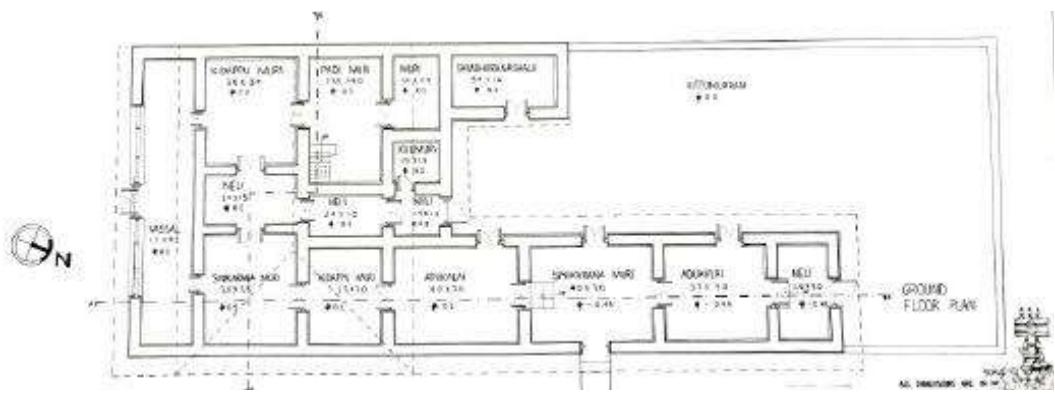
Chiara Karnik  
3rd year

# Kerala Tour Exhibition



Second year students explored the cultural richness of Keraladuring their study tour. After the tour, we focused on documenting Kalapatty village, paying attention to specific houses, creating detailed sheets, and making models to showcase their unique features. This helped us preserve and understand the village's architecture and culture. Our goal was to capture the essence of Kalapathy's buildings and traditions in a clear and accessible way.



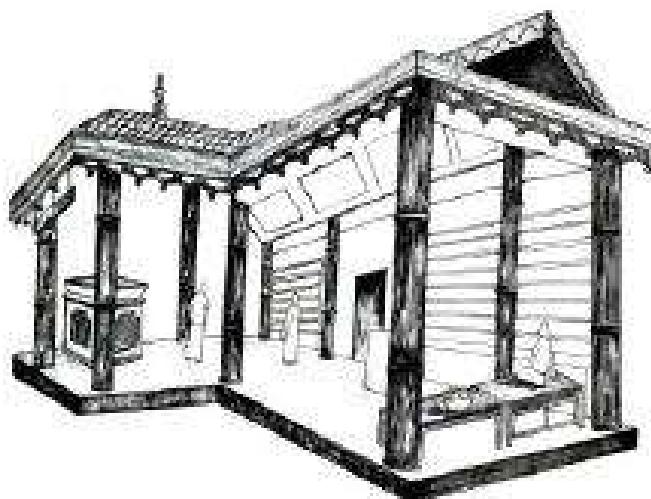
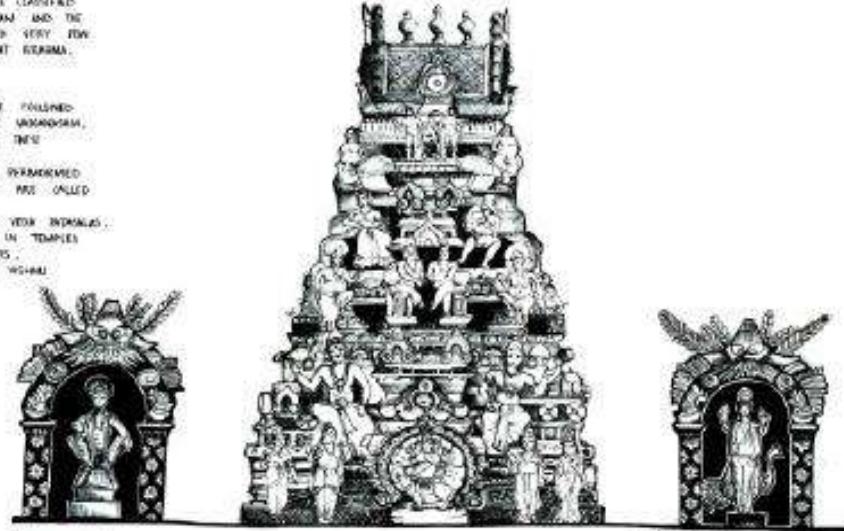


# temple

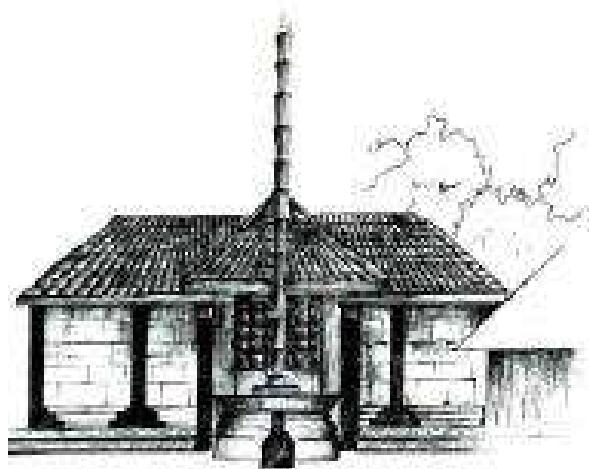
ACCORDING TO HINDU MYTHOLOGY, TEMPLES ARE CLASSIFIED INTO TWO KINDS: ONE FOLLOWING VASUDEVAM AND THE OTHER SHARMA. BRAHMA IS ENSHROED WITH VERY FEW TEMPLES. IT IS, HOWEVER, ACCEPTED THAT SHARMA, VISHNU AND YASHA ARE OMNIPRESENT.

GENERALLY FOUR TYPES OF PUSA SARASWATI ARE WORSHIPPED IN HINDU TEMPLES IN SOUTH INDIA. THEY ARE VASUDEVAM, ADHARMA, VASUDEVAM AND THIRUMALA. ALL THESE PROCEDURES ARE DERIVED FROM VEDAS. IN VASUDEVITE TEMPLES, PUSA RITES ARE PRACTICED AS PER VASUDEVAM AGAMAM. THE PRIESTS ARE CALLED BHASTACHARYARAS.

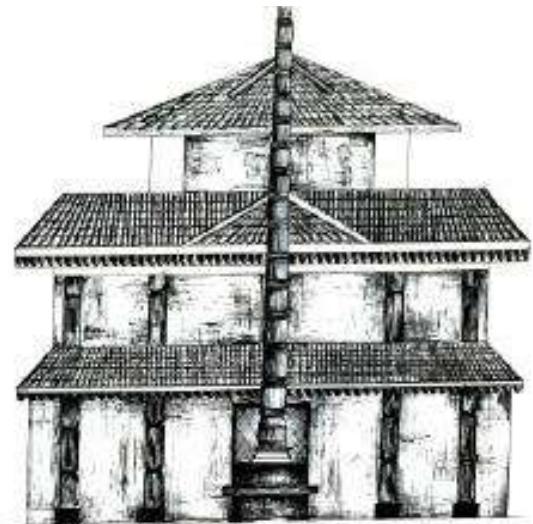
SARASWATI AND DEVIAS, WHO ARE WORSHIPPED IN VEDA TEMPLES, ARE ALSO PERMITTED TO UNDERTAKE RITES IN TEMPLES AS DEFINED IN THE AGAMAS. BHASTACHARYARAS, DEPENDING ON WHETHER IT IS A RUSA OR VASUDEVAM TEMPLE.



TOP: BHASTACHARYA LADIES PRACTICING PUSA RITES



VARODHARAJ PERUMAL TEMPLE



ASHUPRA PRASADE GANAPATHY TEMPLE





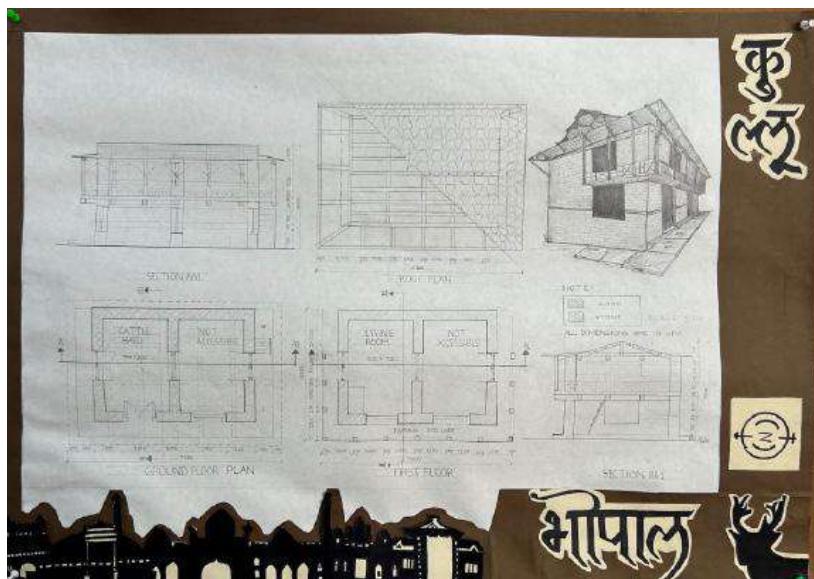
*Rath designed for  
kerala documentation*



*Actual rath in Kerala*

# Bhopal Tour Exhibition

Our first-year tour was an immersive journey in Bhopal. From the ancient rock paintings of Bhimbetka Caves to the serene magnificence of Sanchi Stupa, each destination left an indelible mark on our minds. The tour provided a unique opportunity for us to witness firsthand the evolution of art, architecture, and civilization. Guided by knowledgeable experts, we delved into the significance of each site, unraveling stories of ancient civilizations and cultural exchanges. Walking through the corridors of Bharat Bhavan and exploring the intricacies of Jama Masjid's architecture sparked a sense of wonder and admiration for India's rich cultural tapestry. Amidst these enriching experiences, our visit to Manav Sanghralay stood out.



At Manav Sanghralay, instead of focusing solely on artifacts, we were particularly drawn to the section showcasing the architectural diversity of India. Here, we documented different types of houses from various parts of the country, ranging from traditional huts to intricately designed palaces. To better understand and preserve these architectural wonders, we did measurement drawings and drew detailed sketches of each structure. This sparked a sense of wonder and admiration for India's rich cultural tapestry. Amidst these enriching experiences, our visit to Manav Sanghralay stood out.

# BHOPAL PRE STUDY

**CLIMATE**  
INDIA HAS A SUBTROPICAL CLIMATE WITH HOT, DRY WINTERS AND HOT, HUMID AND RAINY SUMMERS - TROPICAL CLIMATE

**Manav Sanghralay**  
INDIAN ARCHITECTURE BASED ON LOCAL CRAFTS AND DESIGN. THE HIGH-CLIFFE CLIFFS OF RAJASTHAN ARE HOME TO THE RAJASTHANI TEMPLES OF SHRI KRISHNA. THE 1000-FOOT HIGH CLIFFS ARE HOME TO THE KOLHATI, TALOKHATI, AND TAL-THAL TEMPLES, THE LARGEST MANDIR IN INDIA.

**Bharat Bhawan**

**Gandhi Smriti**

**Shivneri Caves**

**FOOD**  
INDIA IS THE HOME OF THE CULINARY AND FLAVOURFUL FOOD. IT IS HOW EASY IT IS TO ENJOY THE FOOD.

**CULTURE**  
INDIA IS HOME TO THE VARIOUS CULTURES, CRAFTS, CLOTHING, NATIONAL CRAFT FESTIVAL, LOKAYAT, SARDAR SAMADHI, DAULAT KHAN, GURU GEGGUT, ET...

**ACCESS**  
DELHI AIRPORT IS SERVED BY 7 AIRPORTS  
DELHI AIRPORT IS THE LARGEST AIRPORT IN THE WORLD.

Our documentation captured not only the physical dimensions but also the intricate design elements and cultural nuances of each house. Through this hands-on approach, we gained a deeper appreciation for the craftsmanship and ingenuity of our ancestors. Our documentation aimed to celebrate the rich architectural heritage of India, showcasing the meticulous attention to detail and cultural significance embedded within each structure. Overall, our visit to Manav Sanghralay served as a reminder of the beauty and diversity encapsulated within India's architectural landscape, inspiring us to appreciate and protect this cultural heritage for future generations.





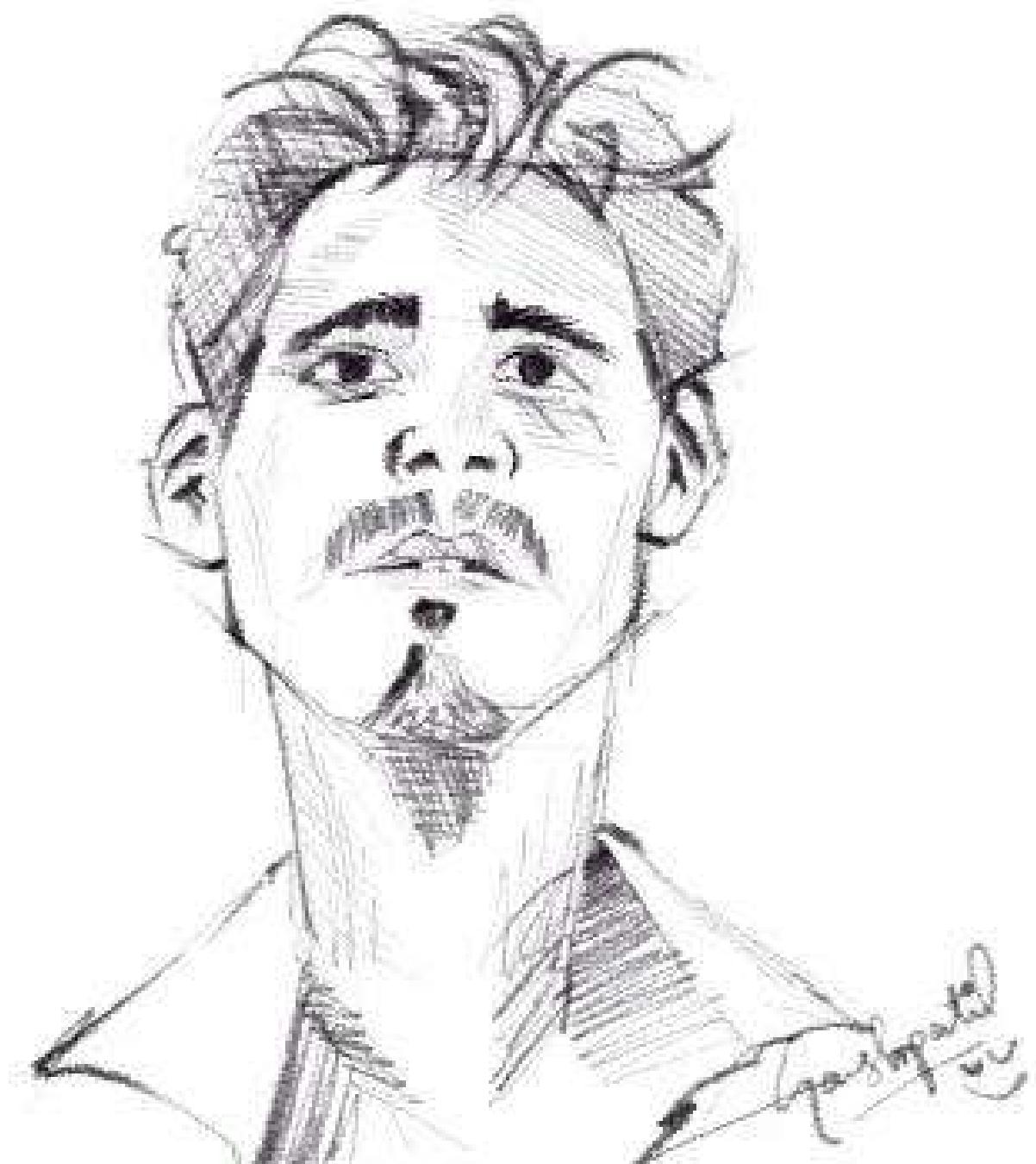




Prerna Wakode  
2nd year



Sairaj Shetty  
2nd year



Ganesh Patil  
4th year



Hiral Patil  
2nd year

HIR



Raj Rajoria  
1st year



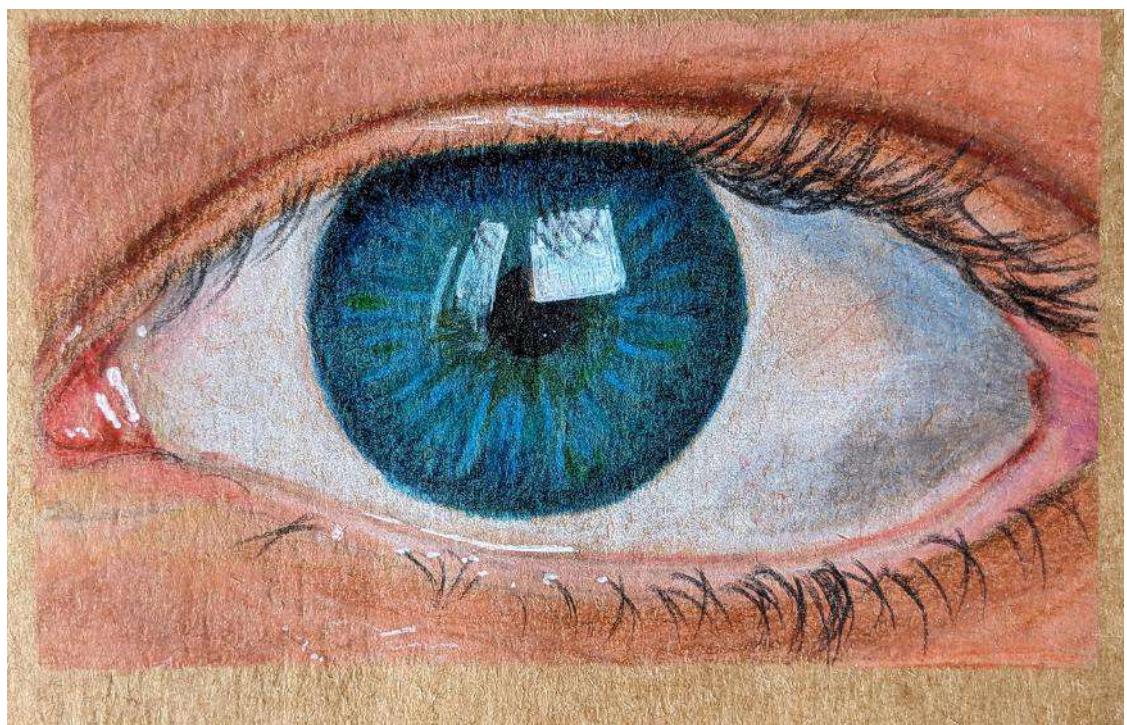
Sanskriti Patil  
2nd year



Sairaj Shetty  
1st year



Shruti ka patil  
2nd yr



Sanskruti Patil  
2nd year



Niharika Ingale  
1st year



Sairaj Shetty  
1st year





SANIT MALI  
2nd YEAR



UNNATI DESALE  
2nd YEAR



REIA VADAKKAN  
3rd YEAR



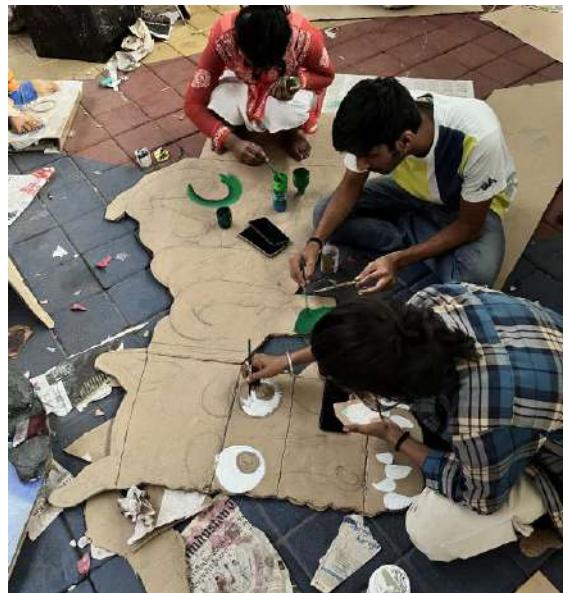
SAITEJA MITTAPELLY  
2nd YEAR



REIA VADAKKAN  
3rd YEAR

# ALEGRIA - PICA CREATIVES

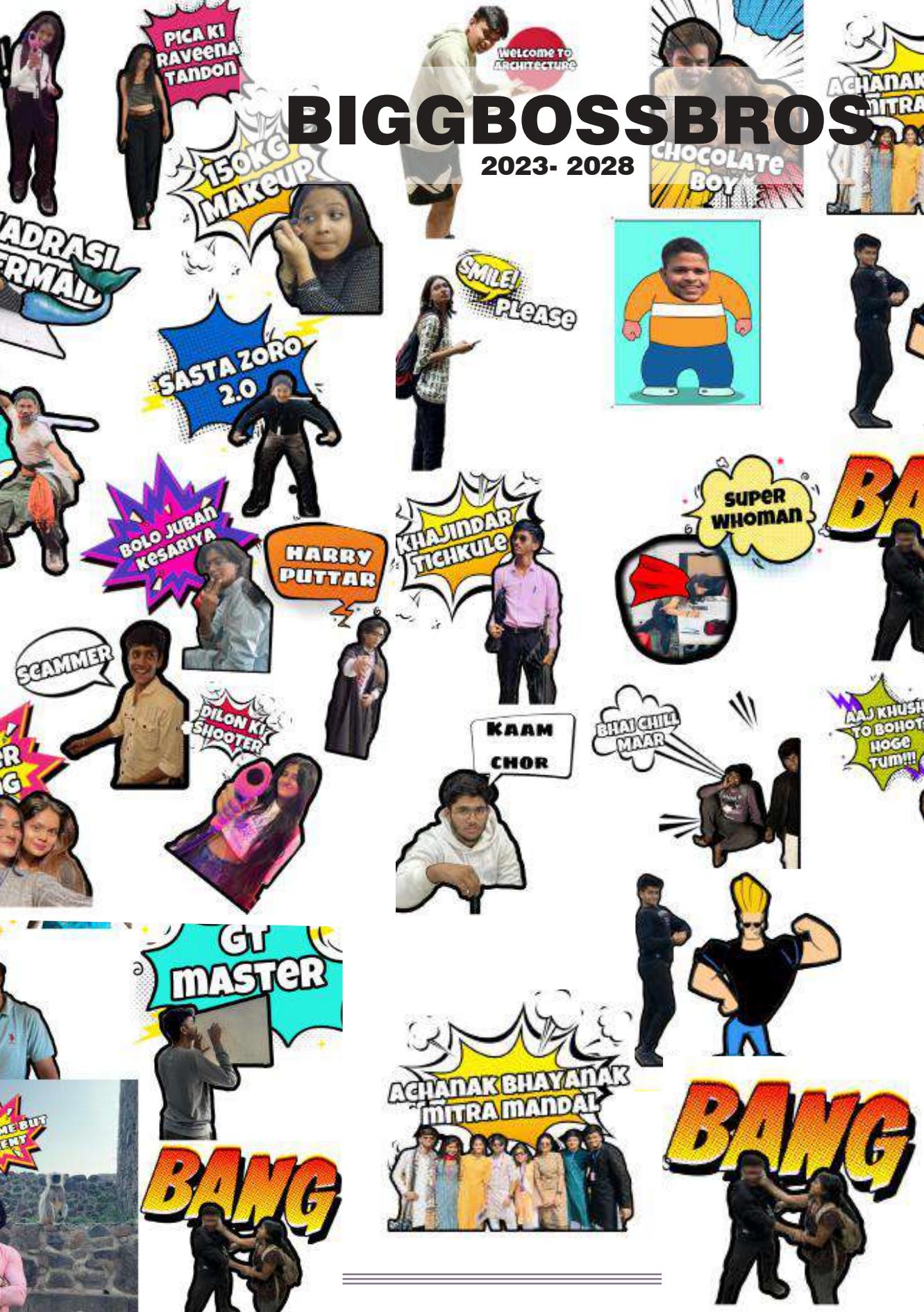
Just like every year, Pica creatives team had made a spectacular panel based on the theme of ' MULTIVERSE ' this year.



Multiverse - The world beyond our imagination A Women with a with a sparkling radiant blue helmet with tentacles represents an affiliation of human and multiverse. Those scattered triangles of Multiverse painting marries art and science . It is about the endless world with vibrant colours , manipulate gravity , light , colours , a parallel universe with sparkling thoughts complication and glimpse of kinetic world Boundless time Space, universe with spaceships and stars , cityscape , sparkling ball , shiny crystals , scattered DNA , Floating islands near luminant plant , huge mushrooms represents that multiverse is connected with each and every elements of universe in both technical and imaginary world.



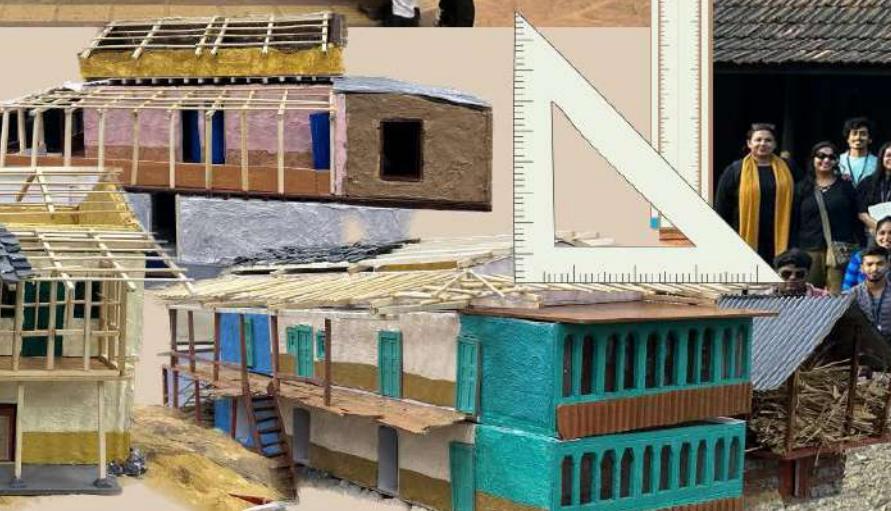
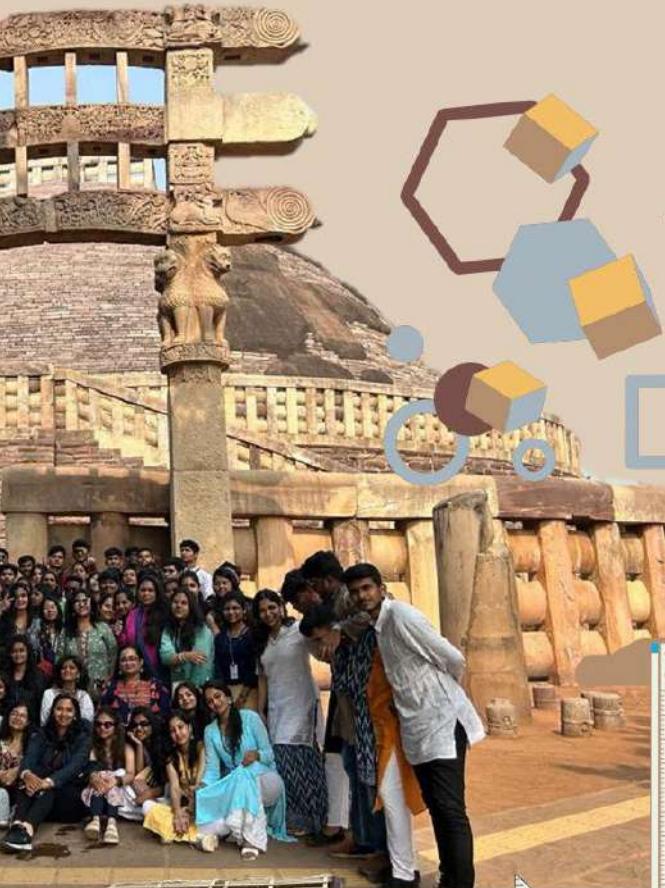






# THE CRACKHEADS

2022- 2027





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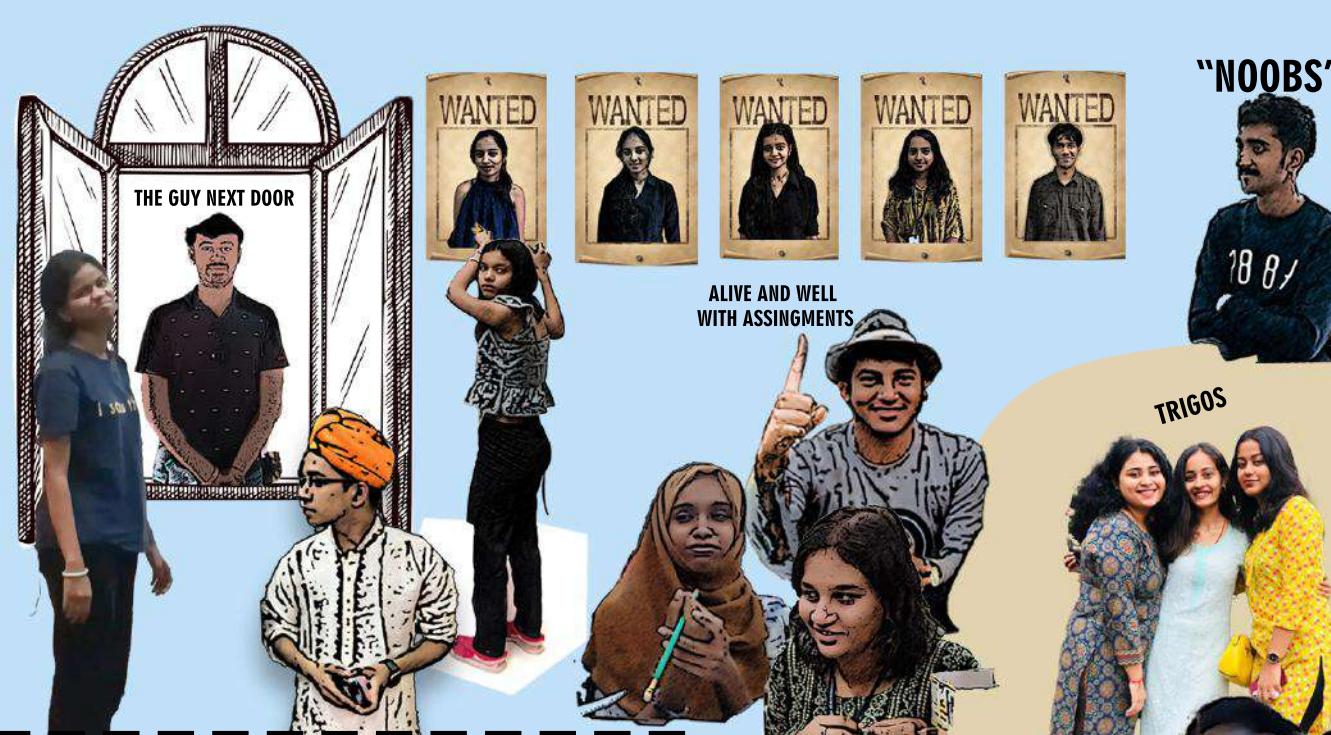
I AM ALWAYS THERE

THE REAL DEAL

2 LEKE ANAA

ME HU DON

"NOOBS"



# WELCOME TO ARCHITECTURE INDIAN CREW





**AMATURE**  
2020- 2025



# MASTERS



# CHAOTIC

2019- 2024

DAY



ATRUM



# FORM 4

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I, Principal Dr. Sudnya Mahimkar hereby  
declare that the particulars given above are true  
to the best of my knowledge and belief.

A handwritten signature in black ink that reads "Lillai".

PiCA  
Student  
Council  
**SENATE**

