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Compiled & edited by Editorial team with inputs of Faculty and batch of 2021-26

TKM

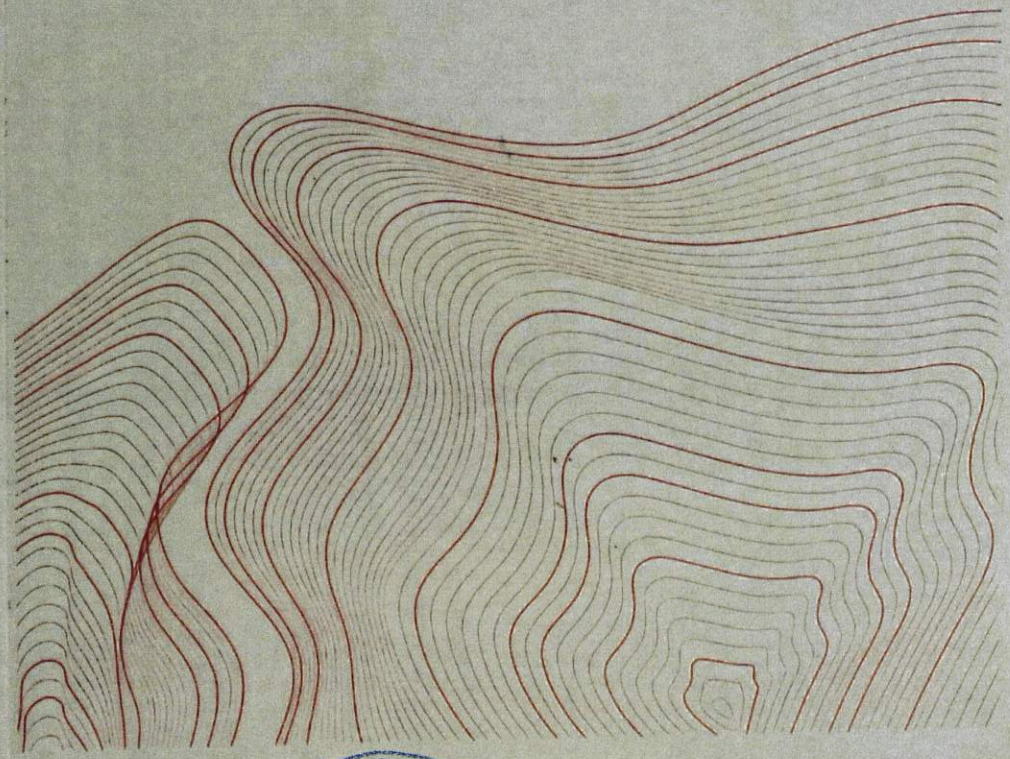
opus

2023-24
YEAR BOOK

opus

YEAR BOOK 2023-24

TKM
School Of Architecture



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TKM
School Of Architecture

Preface

It is truly an honour to present this year's edition of the Architecture Yearbook, a showcase that not only aims to inspire the years ahead but also highlights the dedicated efforts of our talented students. Our studios thrive on the dynamic synergy between students and faculty, employing a parallel process method that fosters positivity and openness, igniting creativity and enthusiasm among our students. Each masterpiece featured in this publication has been shaped through continuous critical reviews, with every jury session serving as a valuable opportunity for reflection and refinement.

The genesis of the yearbook was sparked by the realization of the need to immortalize these exceptional works, a testament to the ceaseless dedication of our students and faculty. The immeasurable success of this yearbook is a direct result of this ongoing process, bringing forth tangible results that speak volumes. We extend heartfelt gratitude to our Principal, Dean, and all faculty members for their unwavering guidance in shaping our academic journey. Special thanks are also extended to our Student Support Association (SSA) for their unwavering support.

Acknowledgments

We extend our deepest gratitude to all those who have contributed to the creation of this architecture yearbook. Our heartfelt appreciation goes to the talented students whose innovative works grace the pages of this publication.

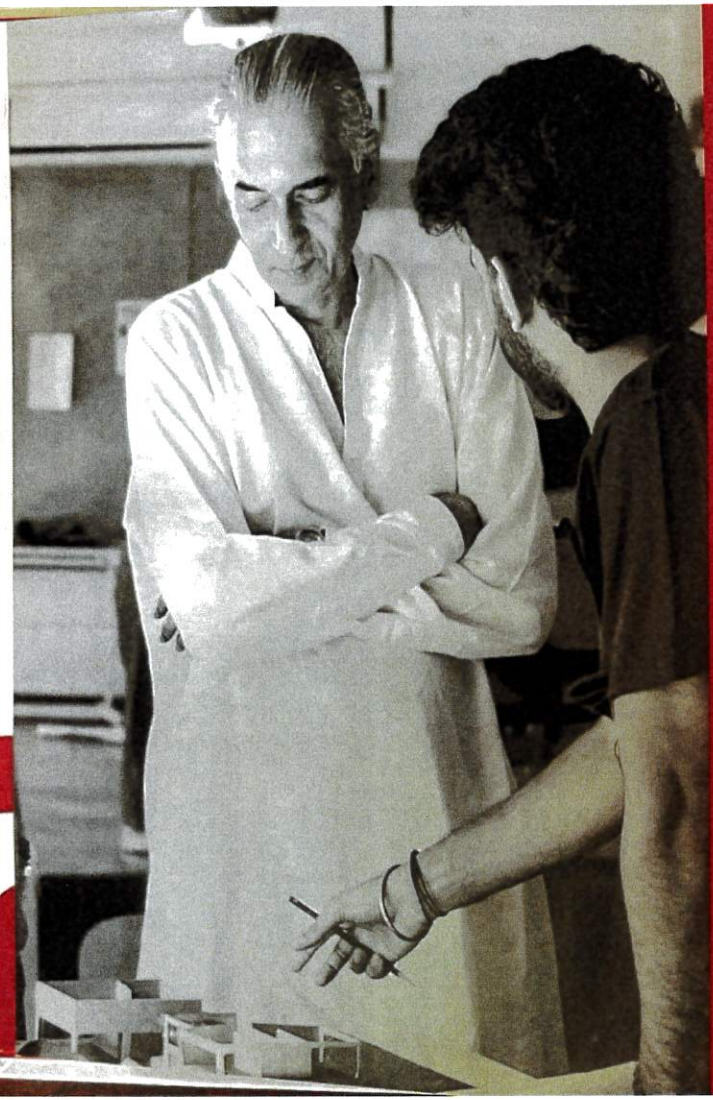
We are indebted to the educators and mentors whose guidance and expertise have shaped the vision and creativity of the emerging architects featured within these pages.

Special thanks to the dedicated editorial team whose meticulous efforts have transformed ideas into tangible form, ensuring the quality and coherence of this yearbook.

We also express our sincere appreciation to the sponsors and supporters whose generosity has made this project possible.

Lastly, we acknowledge the readers whose curiosity and passion for architecture inspire us to continue celebrating the beauty and significance of the built environment.

Thank you for being part of this journey.



"The works of our Design Chair, Ar. Jacob George, have received recognition in both the press and architectural publications. Inside Outside magazine honored him with the title of "Architect of the Year 2005."

Khaja Musaliar
Administrator

At TKM School of Architecture, we offer a comprehensive program that equips students with the skills and knowledge necessary to succeed in the field of architecture. Theory and practice and interdisciplinary learning.

Ar.George Jacob
Principal

As a student at TKM School of Architecture, you will have access to a range of resources, including a well-stocked library, state-of-the-art computer labs, and a supportive community of fellow students and faculty.

Ar.Dipu George
Dean

Our unique approach, called "advancement through technology with design thinking," emphasizes the integration of technology and human-centered design to promote creativity, collaboration, and innovation.

Faculty

Ar. Jolly John
Professor

Ar. Ashok John Oomen
Professor

Ar. Niranjan Das Sharma
Visiting faculty

Ar. Nirmal Chandy
Visiting faculty

Ar.Abhilash R S
Visiting faculty

Ar.Vidya Kammath
Associate professor

Ar.Asha Chinthu
Associate professor

Ar.Krishna A L
Assistant professor

Ar.Ashwathy M S
Assistant professor

Ar. Amrutha N
Assistant professor

Ar. Aswathi Suresh
Assistant professor

Ar. Athul V
Assistant professor

Ar. Ashima Aniyeri
Assistant professor

Ar. Ashik S
Assistant professor

Ar. Susan Vinu
Visiting faculty

Ar. Mohzin
Assistant professor

Prashanth T S
Assistant professor

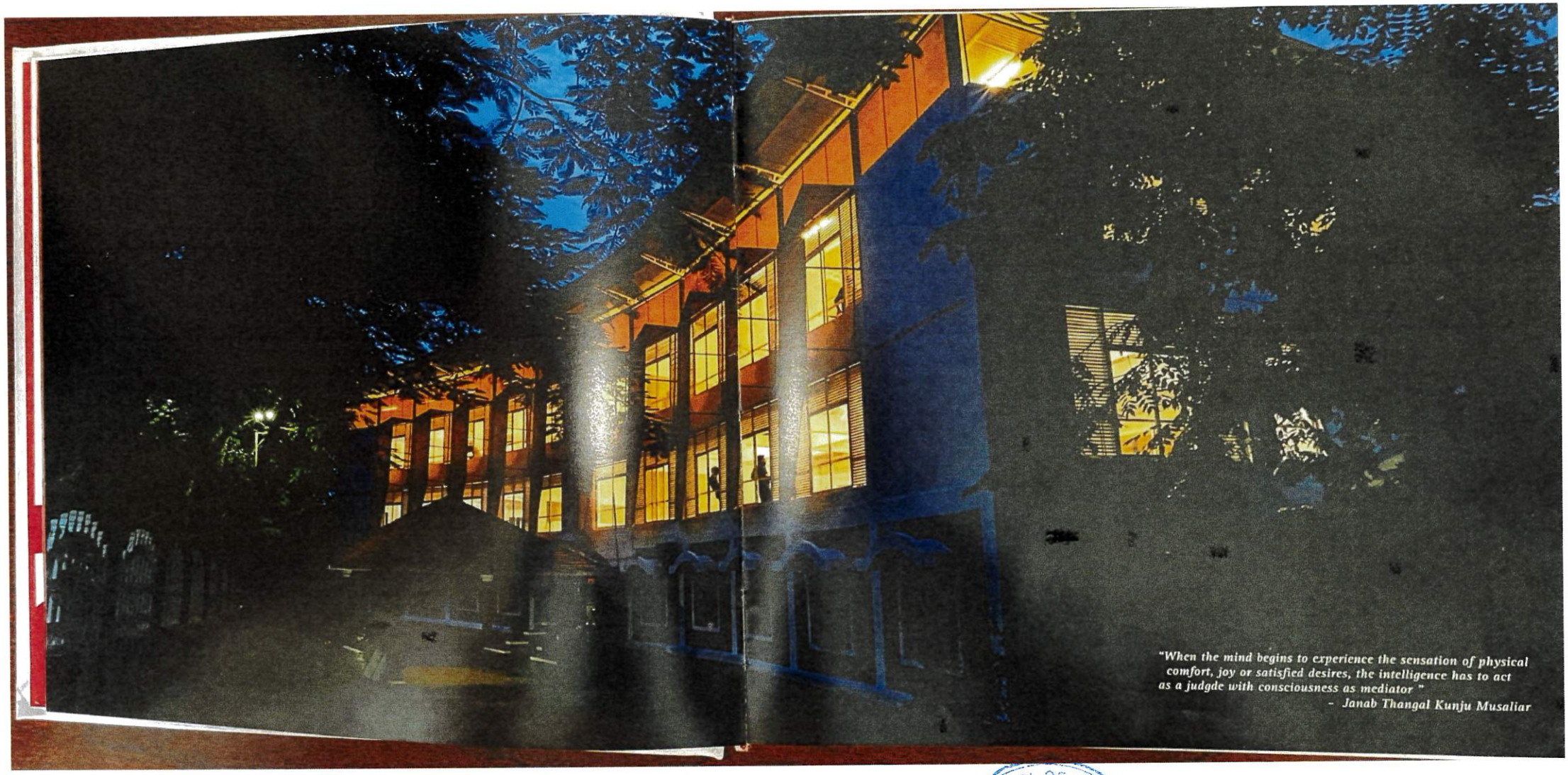
Sumaya Beevi
Assistant professor

Rintu Thomas
Assistant professor

Miji Philip
Assistant professor

Anu Paul
Visiting faculty

Susan Joseph
Visiting faculty



"When the mind begins to experience the sensation of physical comfort, joy or satisfied desires, the intelligence has to act as a judgde with consciousness as mediator "

– Janab Thangal Kunju Musaliar

STUDIO FACULTIES

Ar. Jolly John

Ar. Niranjan Das Sharma

Ar. Asha A

Ar. Athul Venu

Semester 1

Batch 2023-2028

Basic Principles of Architecture

Foundation Studio

Studio Brief

The first semester studio was designed focusing on the skill development and exploration of creativity. It started through exercises from visualising and interpretation of their observations and memories through different medium.

Each element of design was explored through a couple of model making exercises in a way that leads to the other and the conceptual continuity is maintained. From elements of design to their identification and application on various levels, the learning moved to advanced stages of guiding principles of art and architecture. Object studies were introduced to understand form , texture,structure etc or daily use objects and continued to abstract form making and product design to varying scales Further the exercises were formulated to understand the technical details of form study, anthropometry, recreating them to abstract art, product design etc. Freehand sketching skills and scale sense were addressed through tracing or drawings of master architects works. Parallely, a theoretical understanding was brought with discussion of initial parts of books like-, form space and order, operative design and analysing architecture and applied to design exercises. The studio integrated basic place making study and design aesthetic study and applied them through a single thread of exercises starting from elements ending up in introduction to place making and space design Investigate global examples of interpretation centres and adaptive reuse projects to draw inspiration and best practices.

Major Project

Introduction to furniture design involves comprehending scales, layouts, and the conversion of abstract models into practical spaces. This integration encompasses placemaking elements, emphasizing the application of scale for high-quality interiors. Designers harmonize proportion and function, optimizing both spatial dynamics and aesthetic appeal. The incorporation of design principles such as balance and rhythm enhances the overall coherence of the space. Meticulous attention to detail allows designers to create environments that are not only functional but also visually pleasing. This process inspires and engages occupants, fostering a sense of connection and belonging within the designed space.


Aaliya S


Adithya Narayanan Ananthakumar


Aiswarya Ajith


Alsafa Shafeeque


Alwin Paulson


Anandhu Biju


Angelin Maby Augustine


Arjun Anand


Ashtami Rajesh


Avandhika S Nair


Aysha Thahaniya


B S Karun Nadh


Beema M


Dhanuja S


Fathima Thasly K


Fowsiya Shanvas


Gaurika Rajesh


Hiba Sulthana Shiyad


Isha Fathima


M K Rukiya Nida


Merin Anna Thomas


Mohammed Sinan PP


Neerada Krishnakumar


Nishan Amal K


Ria Shaiju


Rithika Kartha


Ritika R


Sherin Mony John


Sheryl Maryam Mathew


Sivani S Krishna

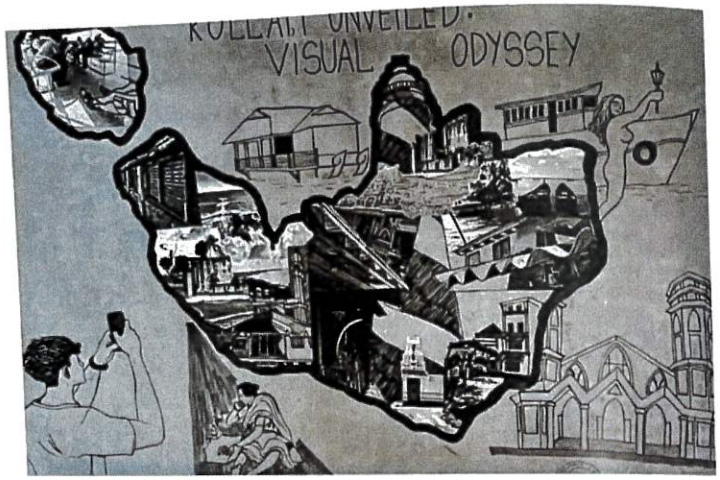

Sreelekshmi Sreeja


Sreeparvathi R

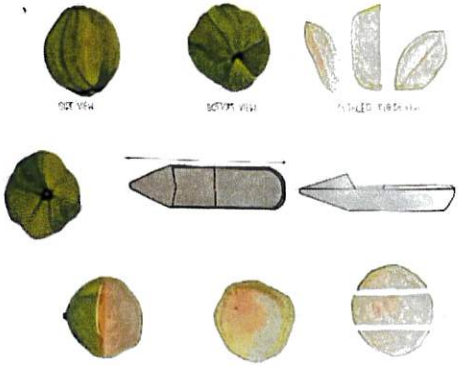

Syed Zayan H

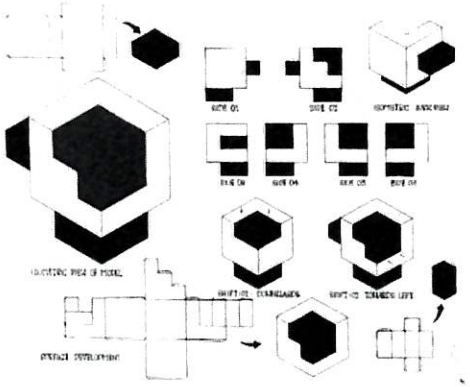

Thamanna Shanoje

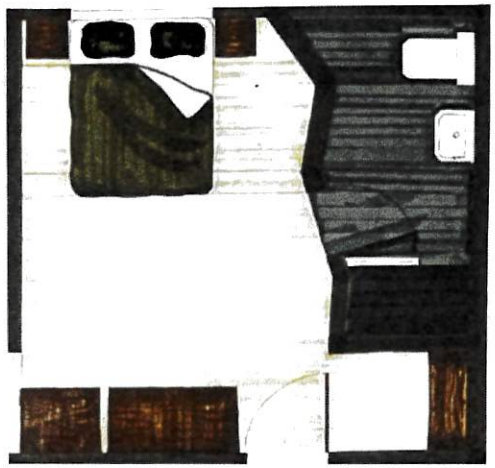
Adithya Narayanan Ananthakumar
2023-2028

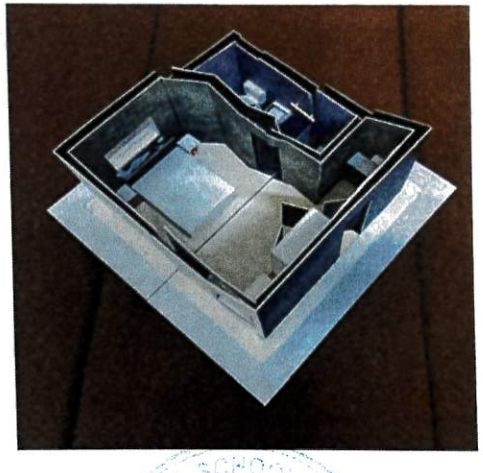


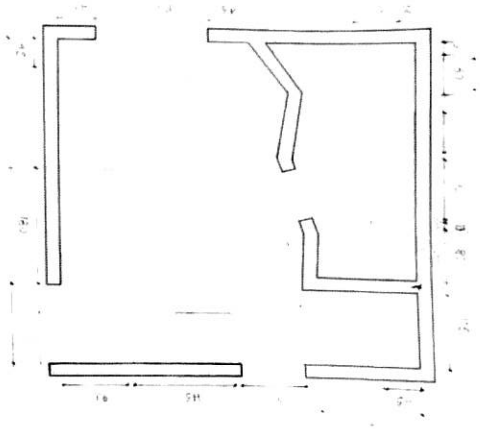
Inspired by the tropical charm and rounded shape of a guava, this object study imagines a toy boat echoing the fruit's essence. The section plan reveals a streamlined hull with gently curved edges resembling the fruit's form. Adorned with subtle ridges reminiscent of the guava's skin, it provides tactile delight. The boat features a vibrant color palette drawing from the guava's hues, infusing the design with warmth and playfulness. The section plan reveals a streamlined hull with smooth, curved edges reminiscent of the guava's form. Adorned with subtle ridges and textures resembling the fruit's skin, it adds tactile interest. The vibrant color palette reflects the rich hues of a guava, infusing the toy boat with playful energy





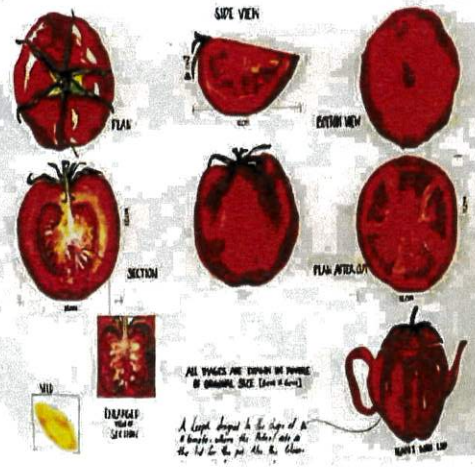


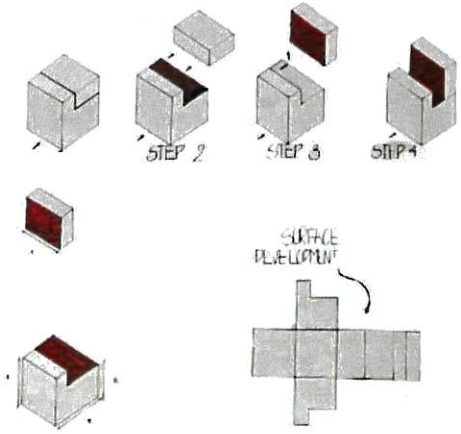


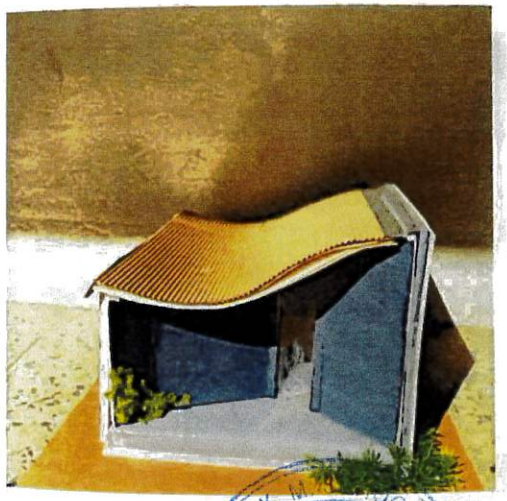


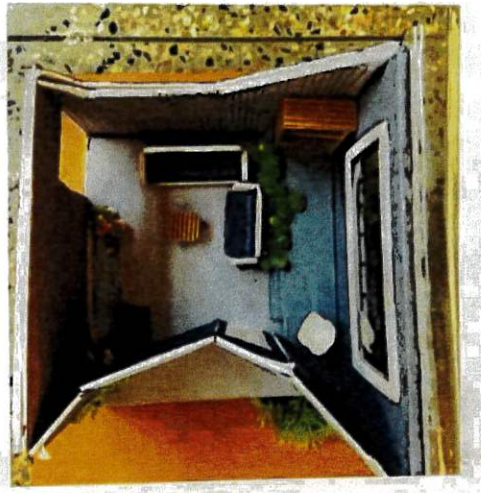
Fowsiya Shanavas
2023-2028

Inspired by the rich and round qualities of a tomato, this object study reimagines a tea pot echoing the fruit's essence. The section plan reveals a spherical base with a tapered spout, mimicking the tomato's shape. Adorned with subtle ridges reminiscent of the fruit's texture, it provides a tactile experience. The handle, curved and ergonomic, offers comfortable pouring. The color palette reflects the vibrant hues of a tomato, infusing the design with warmth and charm.









Ar.Dipu George

Ar.Ashwathy M S

Ar.Aswathi Suresh

Semester 3

Batch 2022-2027

Residential Project
Nettoor,Ernakulam

Studio Brief

The studio's objective was to guide students in designing a 300 square meter residence situated on a waterfront property within a tropical climate. With three entrance options available, students were tasked with selecting one and integrating it into their designs. Emphasizing the strategic use of a grid system, the studio aimed to facilitate a structured approach to spatial organization while encouraging creative exploration. By employing the grid, students could effectively balance precision with inventiveness in addressing challenges posed by the tropical environment. The project underscored the importance of considering form, light, space, and air in crafting climate-responsive designs.

Objective

The studio's central objective was to guide students in crafting a residential project on a waterfront property in a tropical climate, with a significant focus on the strategic use of a grid system. Students were presented with three entrance options, each challenging them to infuse the design with considerations of form, light, space, and air. The implementation of the grid system served as a pivotal tool, offering a structured foundation for organizing spaces while allowing creative exploration. It encouraged a disciplined approach to spatial composition, fostering an understanding of how the grid could be both a framework for precision and a catalyst for inventive, climate-responsive design solutions.

Case Study

Students explored residential houses in Kochi, Kollam, and Pathanamthitta. Students were divided into groups and tasked with visiting seven houses designed by renowned architects. These architects included Ar.Jacob George, Ar.Cyril Paul, Ar. Roy Antony, Ar.Prabhul Mathew, Ar.Niranjan Das, and Ar.Fahad, each contributing unique styles and perspectives to residential design.
The study aimed to analyze vaious architectural elements such as spatial organization, use of materials, functionality, and aesthetic appeal across the houses. By examining the works of these architects, students gained insights into regional design trends, innovative solutions to space constraints, into residential architecture.


Aabid Mohammed


Aaditya Rajeevan


Aafreen Nazer KT


Adil Hyder Ibn Rasheed AKP


Afya M Khan


Aisha Lahan


Aishwarya A


Aleena Achama Cheriyan


Alan NK


Althaf PP


Ameena Hussainu


Aswin Thomas


Athulya Lakshmi PP


CA Blessy Maria


Fathima Manal


Fathima Zahra


Favaz Muhammed


Gayathri Nandan


Gouri Lakshmi


Hajara Mariyam


Hanaa Haris


Hana Nizam


Mazin Muhammed Ali


Minha Bint Shafi


Mintoo Arun Simnadas


Rami Pullat


Muhammed Dilshad K


Pavithra A


Shanza Reeha


Sharon Salmon


Shreyas Raj


Sivakesh KP


Sophia Koshi

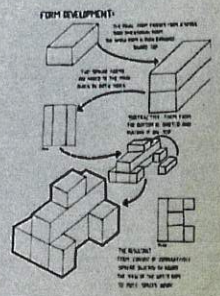

Soumya TS

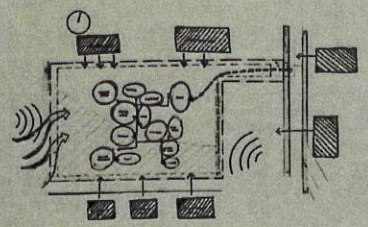

Sreejith AH

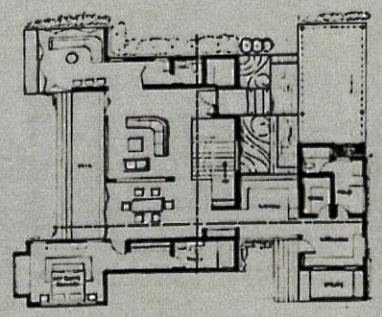
Aisha Lahan
2022-2027

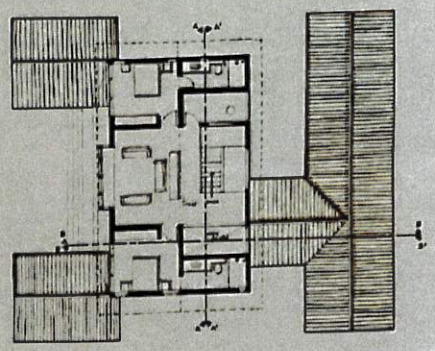
The Glaze

Waterfront Residence



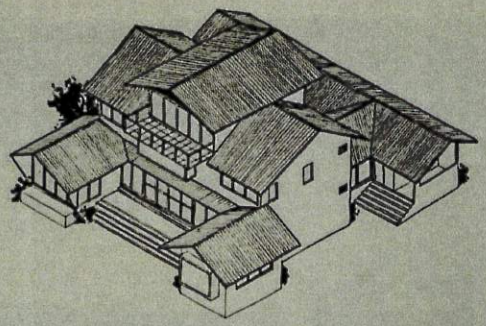


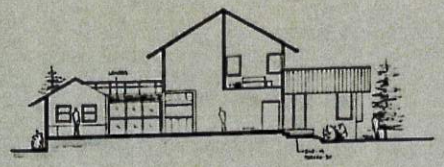


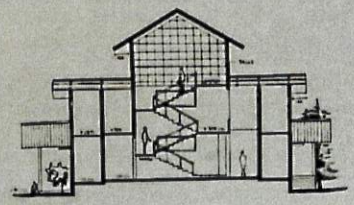


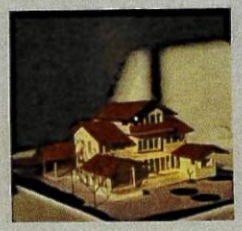
Concept

Nestled within its tropical waterfront setting, the residence merges with adaptable architecture. Minimal walls, roof overhangs, and louvers enable natural light control and sustainable practices. This design fosters harmony, ventilation, and privacy. Residents experience tranquility harmonizing with the environment. The adaptable design connects residents with the landscape, promoting well-being. It exemplifies the relationship between human innovation and natural beauty.









STUDIO FACULTIES

Ar.Abhilash R S

Ar.Ashima Aniyeri

Ar.Krishna A L

Semester 5

Batch 2021-2026

Interpretation centre in Fort Kochi

Response to a Heritage context

Studio Brief

The aim of the studio is to design an interpretation centre in an urban context by understanding its heritage character along with social and cultural aspects. The interpretation centre would include an auditorium with 300-500 seating capacity, an exhibition hall, tourist information centre, cafeteria, art gallery and library space. The proposed project should not exceed a total maximum built up area of 4000 sqm.
The site is located at fort Kochi with a site area of approx 8845 sqm with roads on three sides and 20m away from Vembanad Lake.
The study will focus on the responses towards a historical context by understanding similar cases around the world, various building codes and regulations policies and schemes that have to be followed for new and

Objective

Analyse the heritage character of Fort Kochi and its urban context to inform the design of the interpretation centre.
Consider social and cultural aspects relevant to the site in the design process, fostering a connection between the centre and the community.
Design an auditorium with a seating capacity of 300-500, ensuring functionality and acoustics meet standards for public events.
Integrate an exhibition hall that accommodates diverse displays, a tourist information center for visitor guidance, a cafeteria for social interactions, an art gallery to showcase local talent, and a library space for educational purposes.
Adhere to a maximum built-up area of 4000 sqm, promoting sustainable and efficient use of space within the urban environment.

Case Study

Through a detailed examination of both Kala Academy in Goa and the Bangalore International Centre (BIC), we gained nuanced insights into the intricacies of auditorium design. Kala Academy, known for its lively cultural events, and BIC, a hub for intellectual gatherings, offered diverse perspectives on the multifaceted requirements of auditorium spaces.
The case studies delved into key considerations such as acoustics, seating arrangements, and the adaptability of the venues for various functions. By immersing ourselves in the dynamics of these cultural and intellectual hubs, we acquired a holistic understanding of how to create auditoriums that seamlessly cater to both vibrant cultural activities and intellectually stimulating events.

Shyam Madhav M
2021 - 26

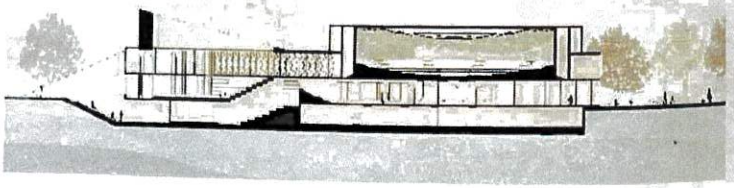
Concept

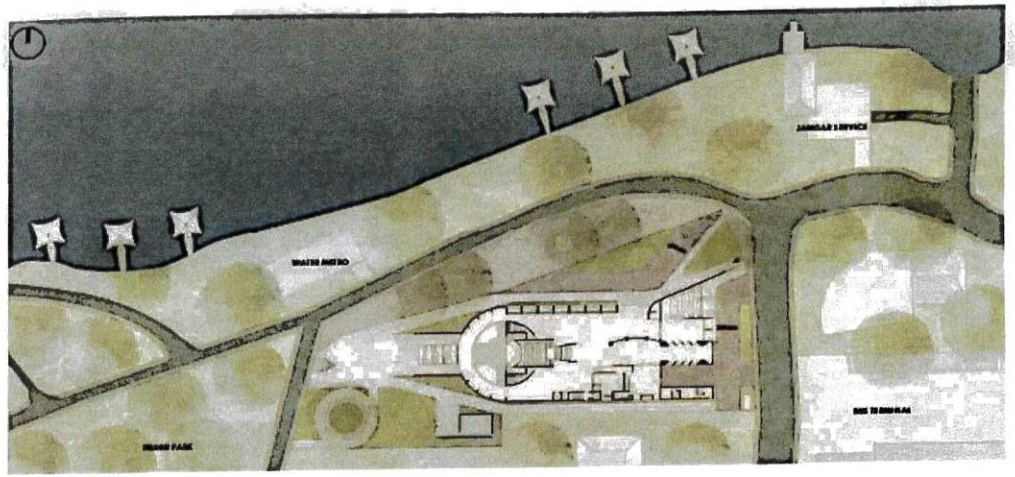
The Fort Kochi Interpretation Centre, poised on historic banks, is an architectural ode to cultural convergence. Infused with Dutch allure, recessed stairs cascade elegantly, echoing the region's past. Synagogue-inspired forms add cultural resonance, while vernacular horizontality weaves seamlessly into Fort Kochi's narrative. This vibrant tapestry honors the diverse communities residing along its shores, encapsulating the essence of Dutch finesse, Jewish heritage, and vernacular simplicity in a compact and evocative architectural composition.

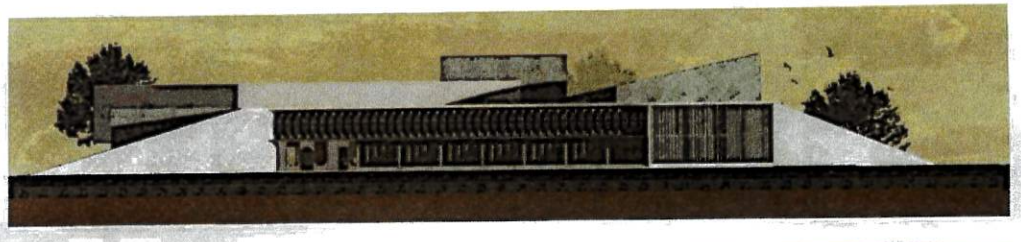
DUTCH PALACE
Direct entry to the first floor of the building from outside resised traingular wall

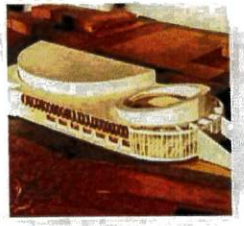
BUSTION BUNGLOW
Solid wall in ground floors and large openings in first floor with window

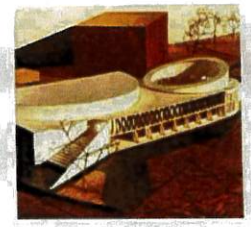
JEW SYNAGOGUE
Vernacular architecture have horizontality,its like a verticality along a horizontal plane

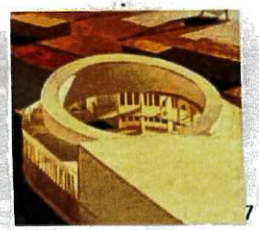


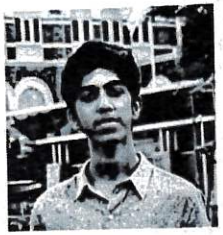








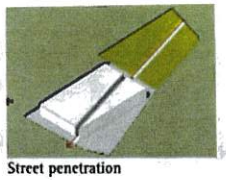




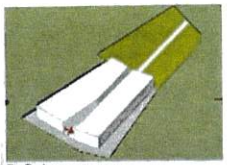
Muhammad Sinan A R
2021 - 26

Concept

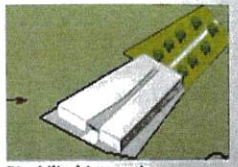
This architectural endeavor is not merely a structure; it is a narrative woven through bricks and mortar, designed to encapsulate the essence of Fort Kochi's vibrant past while embracing its future. The concept for the Interpretation Centre in Fort Kochi, Kerala, is rooted in the idea of seamlessly integrating the rich heritage of the region with contemporary design elements. The architectural approach seeks to create a space that serves as a cultural nexus, where the past, present, and future converge harmoniously.



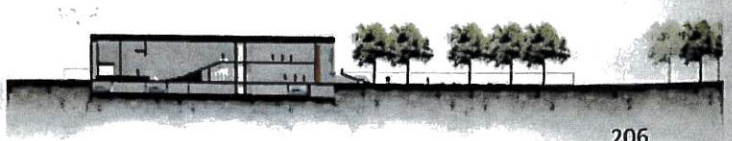
Street penetration

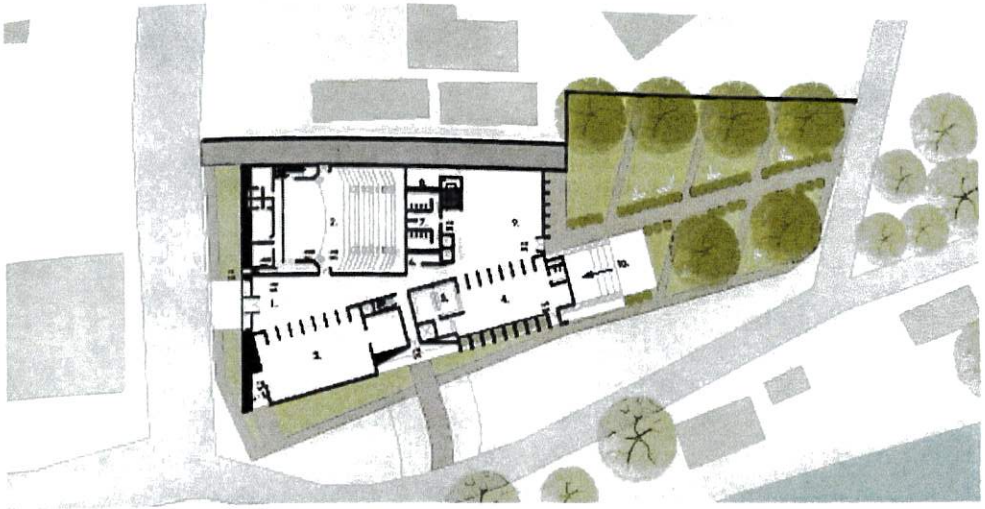


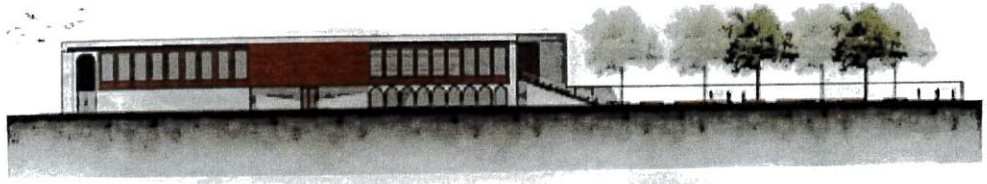
Defining entrance



Biophilical integration







STUDIO FACULTIES

Ar.Nirmal Chandy

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Semester 7

Batch 2020-2025

Typo Morphological Approach to Master Planning

Mixed Use Urban Development

Studio Brief

The studio's aim was to delve into the typomorphological approach of mixed-use developments. This approach focuses on studying the types (typo) and forms (morphology) of built environments. It particularly applies in the context of mixed-use developments, where residential, commercial, and recreational functions are incorporated into individual projects .
Mixed use refers to the integration of diverse functions within a single development or area. This approach aims to create vibrant urban spaces by combining diverse land uses, promoting walkability, and facilitating a range of activities within close proximity. The anticipated outcome for the project was to attain a Floor Area Ratio (FAR) ranging from 2 to 4 adaptive reuse projects.

Objective

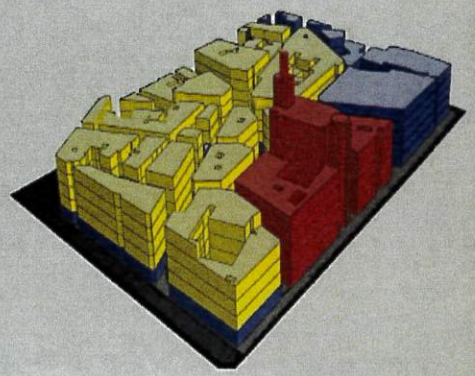
This comprehensive course aims to provide students with a holistic understanding of the intricate processes involved in the planning and design of large-scale buildings. By delving into architectural and socio-economic considerations, students will gain valuable insights into the multifaceted nature of architecture. The integrated approach to design presented in this course includes site planning, master planning, building design and detailing, environment and services, infrastructure, and facade design. Through a combination of theory and practical application, students will be equipped with the knowledge and skills necessary to tackle the complexities of designing structures that not only meet functional needs but also contribute positively to the surrounding community.

Dossier

The designated site for this semester was Kannuru, North Bangalore, Karnataka. Following the Bangalore case study, each group was assigned to discuss the data collected. The task for the students involved identifying their interests and desires related to the subject matter. Through this exercise, ideas were refined, and a vision was formulated. Subsequently, objectives and strategies were developed to provide a direction of vision in their masterplans. Seceral iterations were discussed thus enabling them to finalize their masterplans For the last stage potential cluster was identified and detailed considering architectural elements. The jury was concluded providing insights into their masterplan for the future

Exploring Urban Block

Nantes is a city located in western France, situated on the Loire River. It is the capital of the Loire Atlantique department and is known for its rich history, cultural heritage, and vibrant atmosphere. Nantes has played a significant role in various historical periods, including as the historical capital of the Duchy of Brittany. Nantes boasts a diverse architectural landscape that reflects its rich history and cultural heritage.



Ajmal Noushad , Akash Prasad

2020-2025 Batch

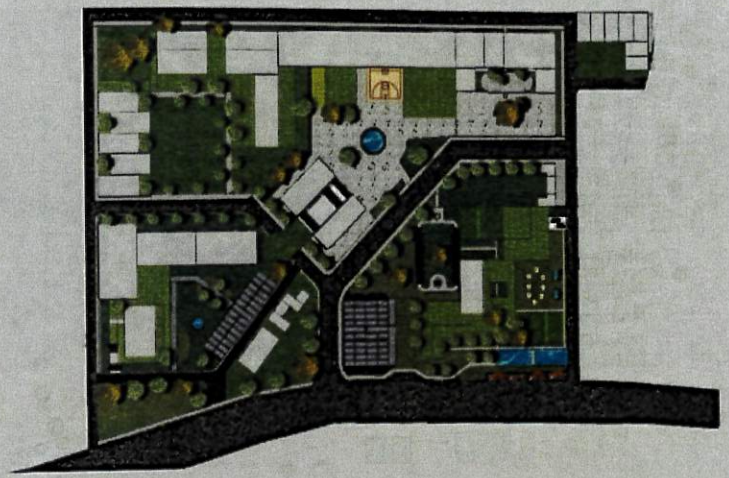
Project
Master Planning

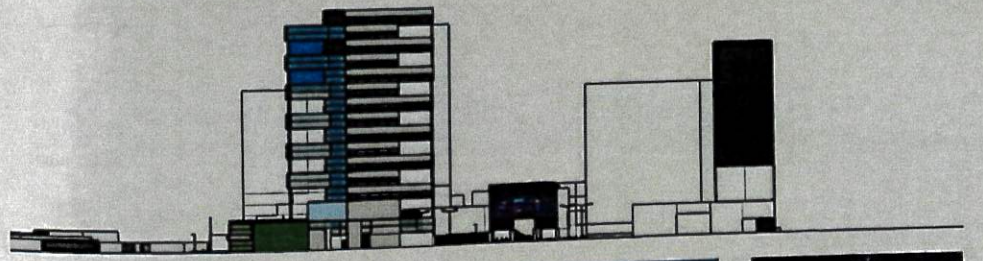
Bangalore

Versatile Hub

Where people LIVE,WORK AND THRIVE

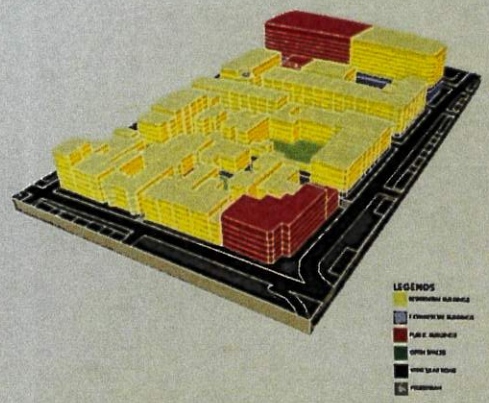
In envisioning the future of our community, our mission is to create a vibrant mixed-use hub where architectural innovation seamlessly coexists with ample green spaces. This visionary development aims to offer a holistic environment, providing residents with not just a place to live, but a dynamic setting where work, leisure, and well-being converge. The architectural landscape will be a blend of modern design and sustainable practices, ensuring a visually stunning and eco-friendly atmosphere. Lush greenery will intertwine with cutting-edge structures, creating a balance that not only enhances the aesthetic appeal but also promotes a healthier and more sustainable lifestyle. Our aspiration is to cultivate a thriving urban ecosystem where people can not only reside comfortably but also find inspiration, fostering a sense of community and shared prosperity. Furthermore, this mixed-use hub is designed as more than just a collection of buildings. It is a deliberate effort to create a thriving community where social interactions flourish, fostering a sense of belonging and shared experiences. Amenities, cultural spaces, and communal gathering points will be strategically integrated, encouraging residents to engage and collaborate





Exploring Urban Block

116 Park Street , London is a vibrant urban block with residential, commercial, public and office spaces along with green open spaces that balances the urban life. The block offers integrated residential plus office spaces, shopping centers, hotels, a street through the builtscape and a historical architectural character. The block has a grid type circulation system with road side and underground parking.



Deepak Dinesh
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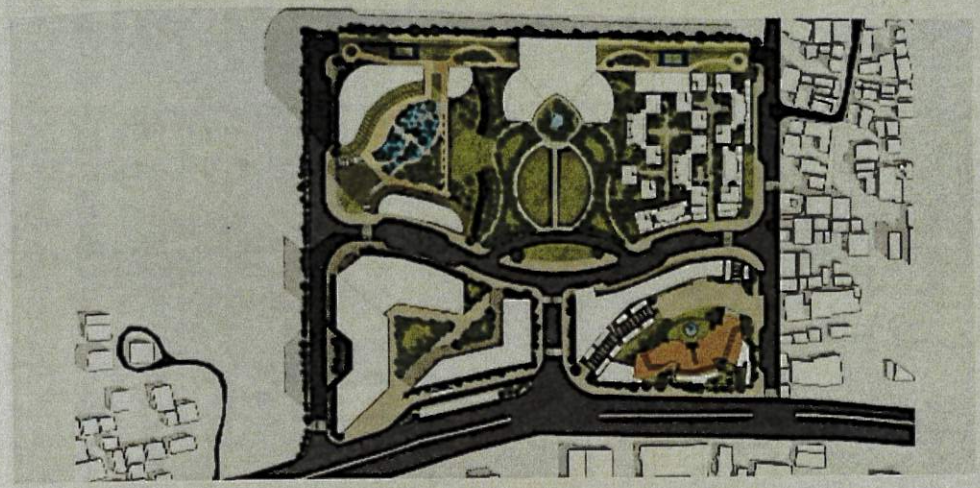
2020-2025 Batch

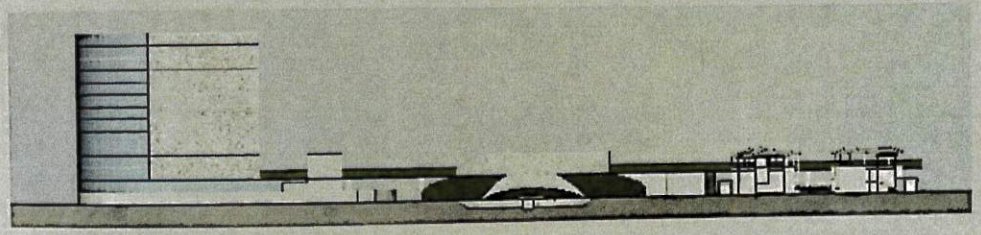
Project
Master Planning

Bangalore

Getaway
An Urban Escape

In the midst of a bustling city, where the relentless pace of life often leaves its residents yearning for solace and rejuvenation, we envision the creation of an urban sanctuary, a space designed to provide respite from the chaos of modern city living while integrating it. Our vision is to craft an oasis that not only offers a break from the hectic urban environment but also fosters well-being, connectivity with nature, and a profound sense of serenity. The project offers recreation, connectivity and entertainment. It consists of 5 blocks; a core getaway, cultural block, village block, low rise mixed and high rise mixed block with vehicular and pedestrian connections. The concept of a getaway is different for each individual so addressing that was a crucial step in design, mixed use typology and the creation of unit , group and cluster getaways within the project provided more options for exploration in that regard. A multi level connection between blocks allows the formation of a higher ground for interactive activities as well as helps to achieve better visual connection. A place becomes a home for a community not just by the bricks and mortar that shape its physicality, but by the shared stories, laughter, tears, and dreams woven into its very essence by those who call it their own.





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