

MANIPAL SCHOOL OF
ARCHITECTURE AND PLANNING
(A constituent of MAHE, Manipal)



ವಾಸ್ತುಶಿಲ್ಪ ಮತ್ತು ಯೋಜನೆಗಳ ಮಣಿಪಲ್ ಶಾಲೆ

Faculty of Architecture
Department of Design -
Interior & Fashion Design

YEAR BOOK 2020

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**MANIPAL SCHOOL
OF ARCHITECTURE AND PLANNING**
MANIPAL
(A constituent unit of MAHE, Manipal)

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Our Vision

Excellence in design education, enable sustainable endeavors for societal well-being.

Our Mission

- Develop core competencies of design and professionalism to address societal and environmental concerns.
- Enable experiential learning and community engagement to create inclusive and sustainable design.
- Provide international platform for interdisciplinary learning and collaborative research.

Recognitions

- Council of Architecture (CoA), New Delhi
- University Grants Commission, New Delhi

Affiliations

Institutional Member, Indian National Trust for Art and Cultural Heritage (INTACH), New Delhi

Accreditations

National Assessment and Accreditation Council (NAAC)

Preface

Dr. Deepika Shetty
Director
Manipal School of Architecture and Planning
Manipal Academy of Higher Education

Documentation Incharge
Repository Team & Faculties of all the Departments

Dissemination Incharge
Prarthana Narendra Hosadurga
Assistant Professor

There is a need for extensive documentation and dissemination of acquired knowledge, especially in the field of architecture and design. Manipal School of Architecture and Planning is taking its first step in this process by publishing 'Yearbook 2020', consisting of the academic works of students that have been developed from the pedagogy incorporated by the faculties of the institute. This publication outlines the teaching approaches adopted and maps the learning journey partaken by the students in achieving the end product thereby proceeding at fulfilling the requirement of the degree. This book is the result of the efforts put in by the faculties and repository team in digitally documenting and organising the large amount of students works. The book comprises of the academic contribution such as workshops, guest lectures, master classes along with academic work done in the year 2020. This publication not only serves as an archival material but also brings forth dialogues between academicians centered around architectural and design pedagogy. The publication has seen day of light due to the efforts put in by Assistant Professor - Prarthana Narendra Hosadurga, for her undertaking dedication in collection and compilation and providing the institute a mode for dissemination of the work in terms of a publication. The efforts put in to publish this is in itself end congratulatory token of course outcomes.

Faculty Co-ordination & Documentation Incharge :
Prof. Prarthana Narendra

BArch

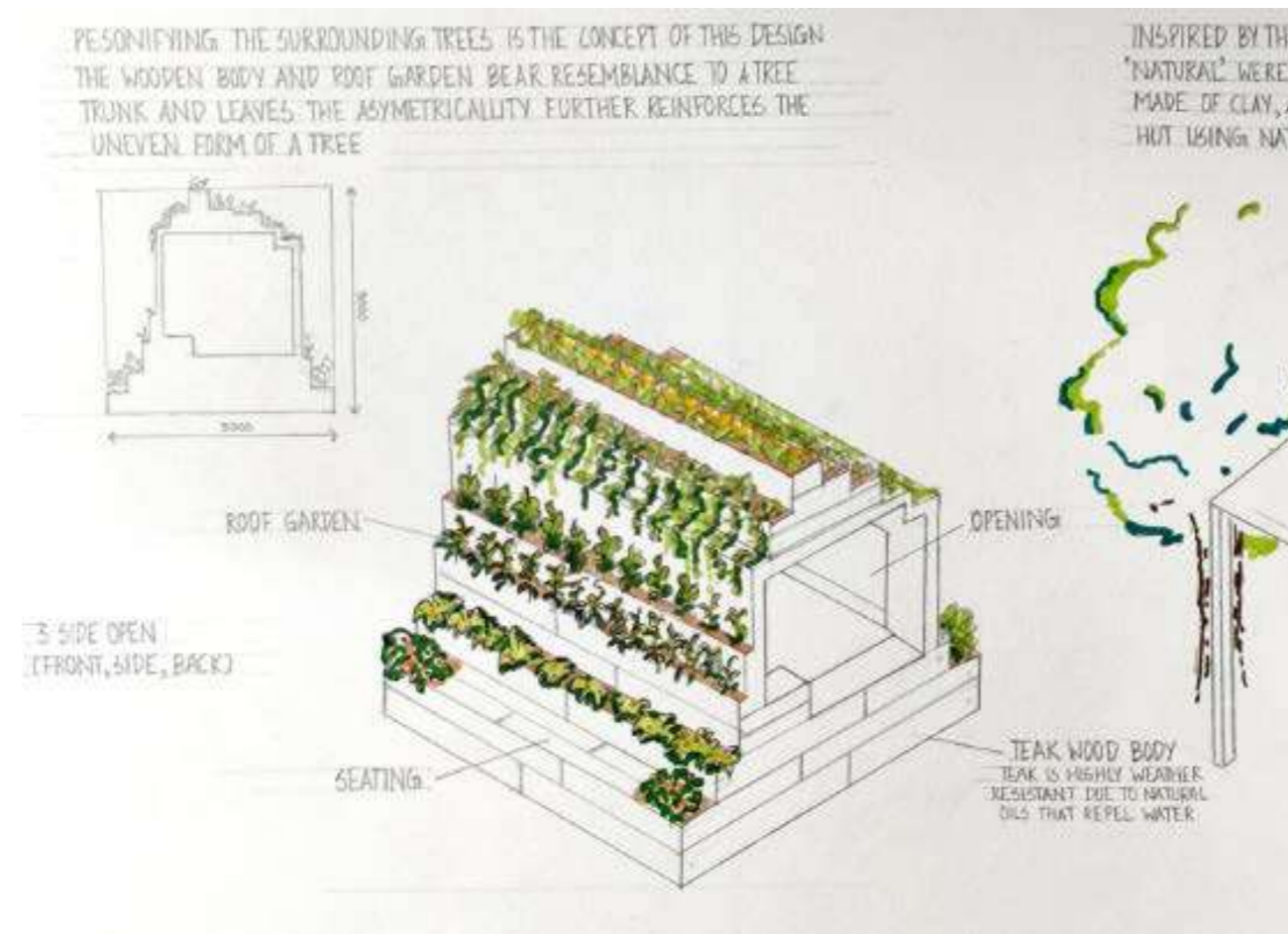
Architectural Design and Detailing I

Single User Space

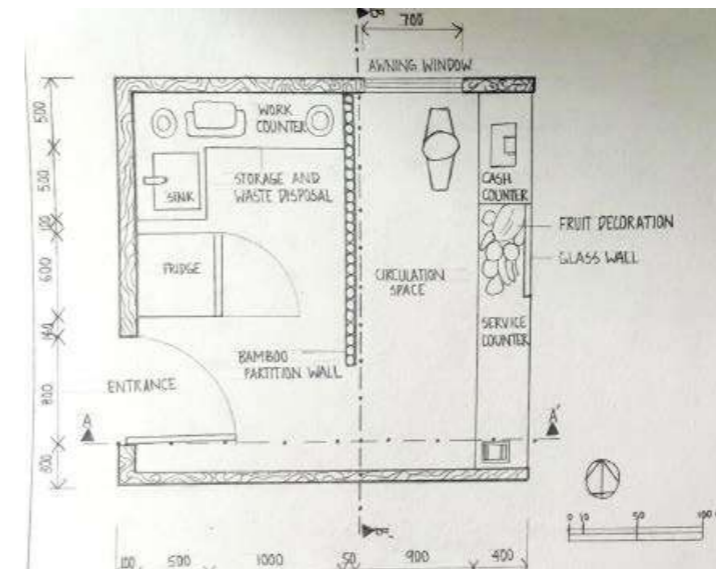
Faculty: Prof Amit Kinjawadekar

Student: Pragya Mital | 203701110

This course would provide knowledge and essential skills required for understanding basic design in architecture profession. This course will equip students to develop the ability to understand the concepts of principles of design. The course will also prepare students with requisite knowledge and application of theories related to single user spaces.



Concept

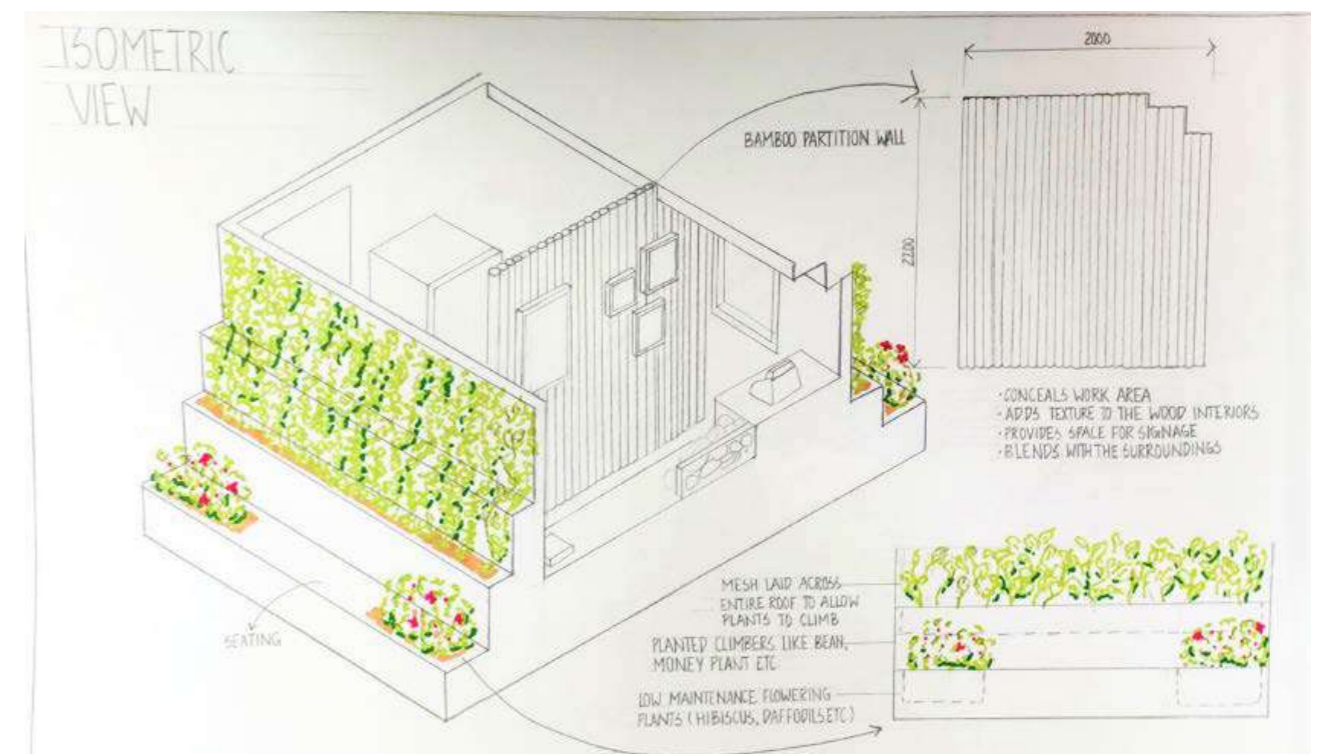


Floor Plan

Design of a simple space based on the principles of composition, aesthetics including five senses, functionality, anthropometrics, circulation, materiality.

Building Components: Walls, Floors, Sub structures, Super structures

Spatial Components: Open, Closed, Semi-enclosed spaces



Isometric View Sketch



Views

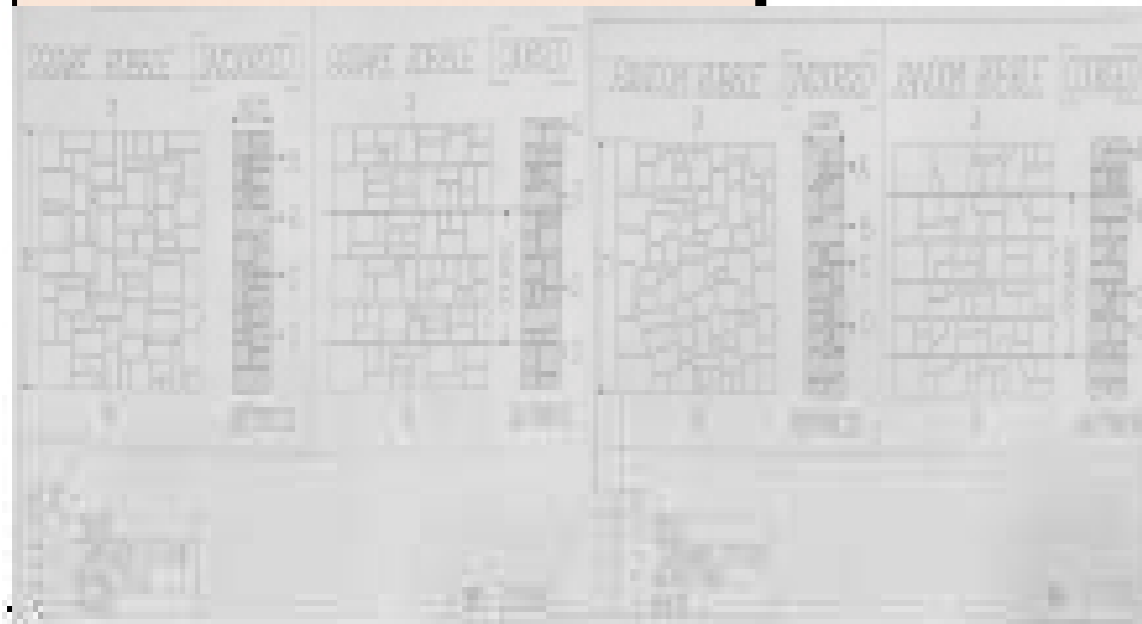
BUILDING CONSTRUCTION AND MATERIALS – 1 (MASONRY)



Faculty: Prof. Sanku Pragasam Das, Prof. Jankaraj Sanku
Student: Divyanshu Aggarwal | 203701178

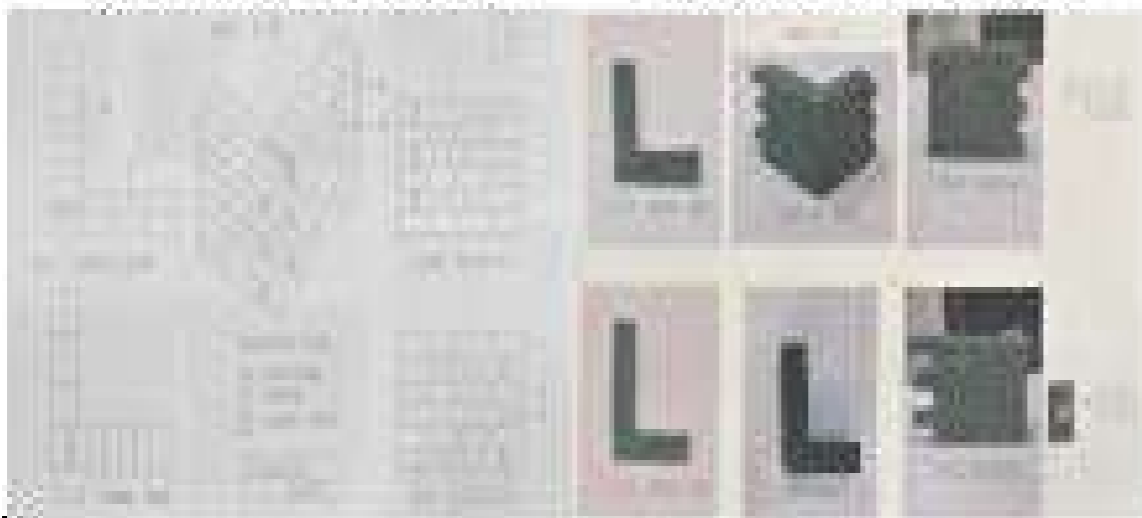
AIM:

To construct different types of stone and brick masonry as well as to understand their application and benefits in the building construction process.



Stone Masonry – Square Rubble

Stone Masonry – Random Rubble



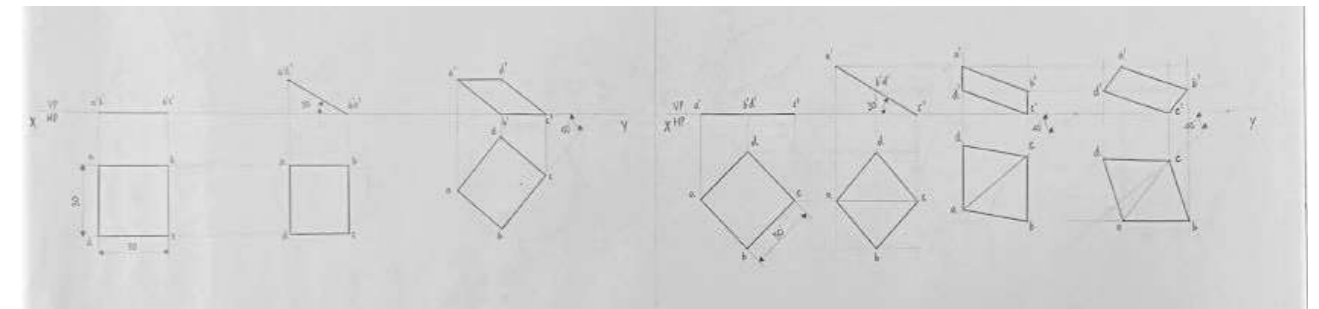
Brick Masonry – English Bond

Architectural Representation I

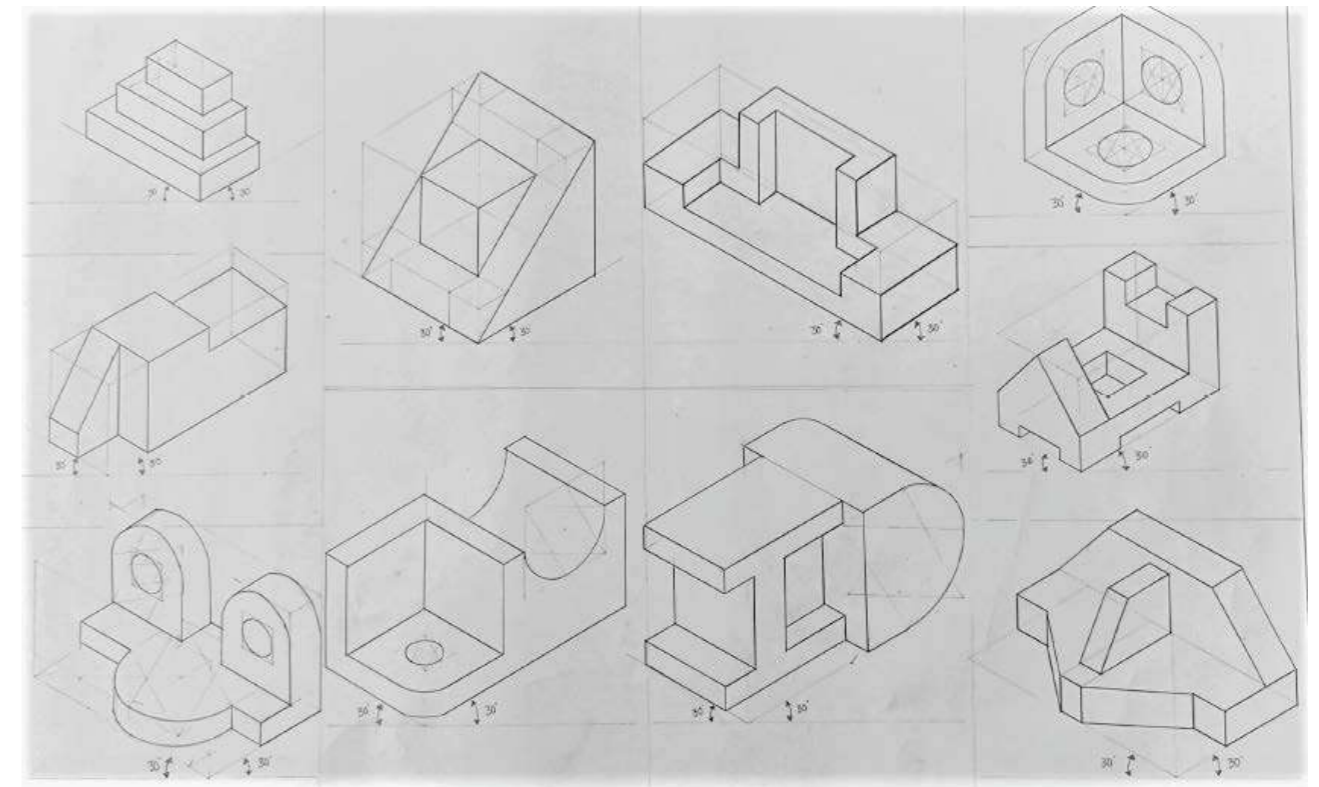
Faculty: Prof Ramaswamy

Student: Nivedya | 203701178

To help the students to communicate through graphic language and also to understand geometrical construction, the basics of plane and solid geometry through graphical exercises of increasing complexity.



Orthographic Projection Planes



Isometric Projections

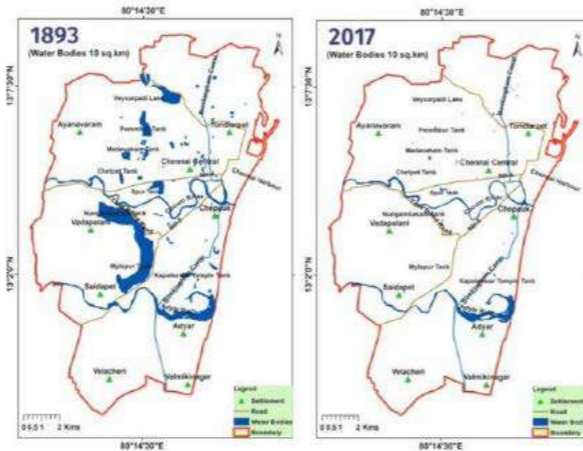
Environmental Science

Faculty: Prof Tanya Verma
Student: Aruna

Land Encroachment as a cause for the Chennai floods 2015

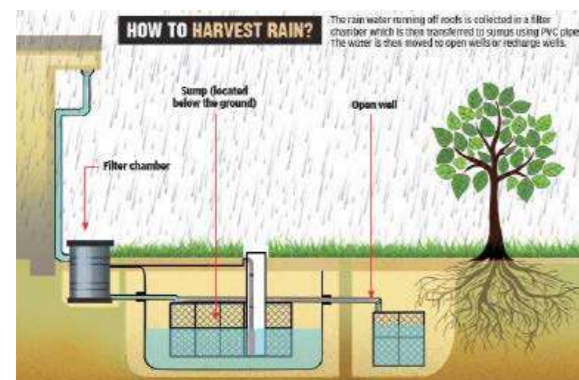
The 2015 South India floods resulted from heavy rainfall generated by the annual northeast monsoon in November–December 2015. They affected the Coromandel Coast region of the South Indian states of Tamil Nadu and Andhra Pradesh. More than 500 people were killed, and over 1.8 million people were displaced. Despite these floods being classified as a natural disaster, the extent of devastation and the loss of lives and property could have been drastically reduced if not for man-made reasons.

Causes: As Chennai developed into the metropolitan city it is today over the last century, it expanded into lands that were initially lakes and ponds. Areas like Adyar, Cooum, Velachery, Pallikaranai, Kancheepuram, etc., were originally freshwater rivers and lakes a little over a century ago. Now, most of these areas have been built over in the process of 'urbanization.' Another reason is the inadequate drainage systems of the city.



Most of the sewage layouts in the city were established during the colonial area. With the drastic increase in the city population and the number of residences and other public areas, the sewage and waste disposal systems at hand are simply not sufficient. Due to this, many parts of these water bodies have resorted to landfills and sewage dumps.

Solutions: The land originally belonging to the water body must be reclaimed, and a new legislation should be urgently enacted to make encroachments on water bodies a cognizable offense. Recently, the Madurai Bench of Madras High Court directed the Government not to grant layout or building plan permission on lands located on water bodies. This is the first step amongst many to prevent such disasters in the future. Along with the reclamation of the land, proper sewage systems must



be installed. It is known that Chennai faces acute water shortages almost every summer. And yet, most of the rainwater is wasted as runoff or is left to stagnate on the roads every monsoon. With proper rainwater harvesting systems installed citywide (and even state-wide), two problems can be tackled at once—The rainwater will no longer flood the streets and can be stored in reservoirs to battle the water scarcity during the summers.

History, Theory and Criticism I

Faculty: Prof Kailas M
Student: Shaurya Kumar | 203701348

ARTIFACTS IV V VI VII VIII IX X

ROMAN WARRIOR

ROMAN SOCIAL STRUCTURE

- SENATORS AND ADMINISTRATORS
- NOBLES / PATRICIANS AND WEALTHY PEOPLE
- PELEBIANS
- FREEDMANS
- SLAVES

THEATRE OF MARCELLUS

- ★ The only existing example of a Theater in ROME
- ★ The remains consist of the arced, two stories high
- ★ Semi-circular auditorium
- ★ The facade was ornamented with the TUSCAN ORDER and the IONIC ORDER superimposed.

BASILICA

- ★ Hall of justice or exchange for merchants
- ★ Link between classic and Christian architecture
- ★ Entrance at the side or ends.
- ★ Semi-circular windows.

ROMAN ORDERS

TO THE ORIGINAL GREEK ORDERS (IONIC, DORIC AND CORINTHIAN) ROMANS ADDED THE TUSCAN AND COMPOSITE. CORINTHIAN ORDER WAS THE FAVORITE OF THE ROMANS.

TUSCAN

- ★ IONIC:- Column height is 8D, Base - 1/2D, volute capital with curved ornamentation.
- ★ DORIC:- Height is 8D, has a base unlike Greek Doric order, CAPITAL - 1/2D high
- ★ TUSCAN:- Invented by ETRUSCANS, Height is 1/2D, Pillar with no decoration, Named after TUSCANY REGION
- ★ CORINTHIAN:- Column is 10D, base is 1/2D, INTER-COLUMNATION is 1/2D
- ★ COMPOSITE:- Column is 10D, Composite base, CAPITAL

PILLAR OF VICTORY

- ★ The external facade is divided into four stories.
- ★ The Upper story has CORINTHIAN PIASTERS
- ★ The LOUISSEUM was used as a stone quarry by the builders of later times
- ★ Elliptical plan is 620' x 513'

Architectural Design and Detailing II

Single User Space

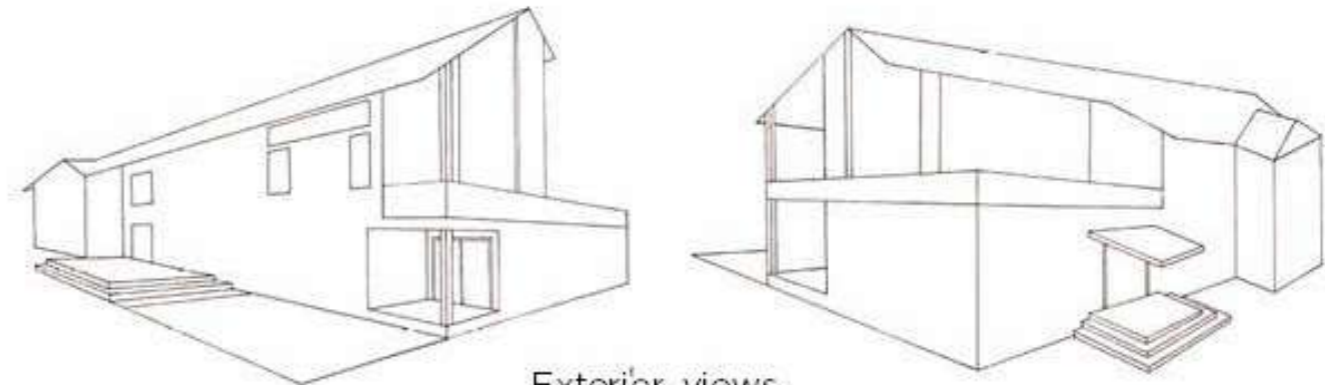
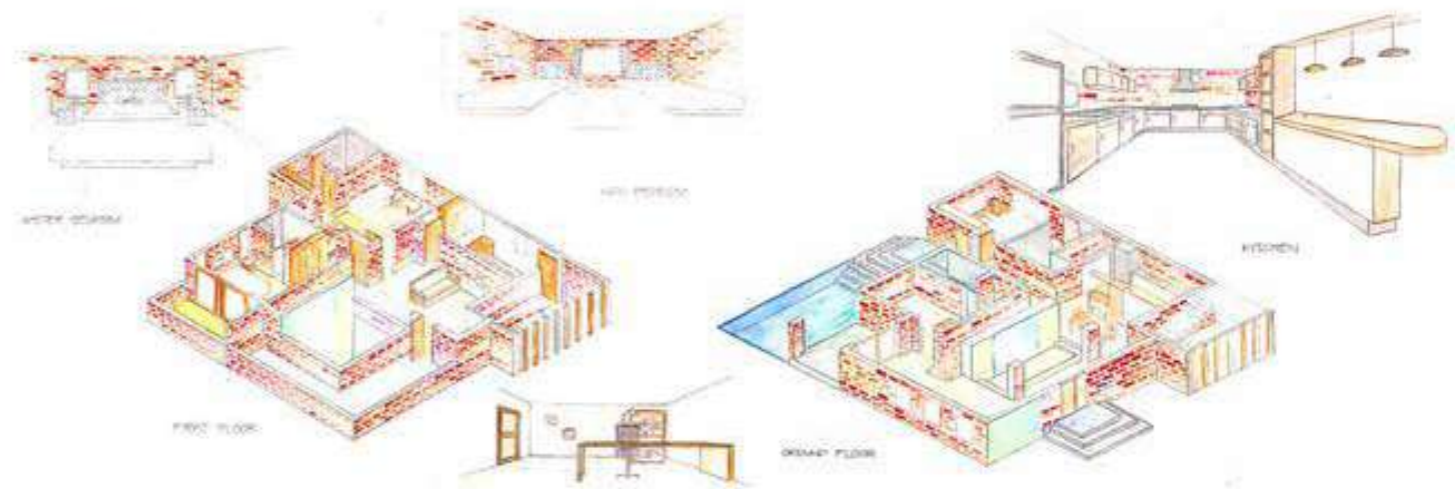
Faculty: Prof. Sunil Talithaya
 Student: Purna Nayak | 193701112



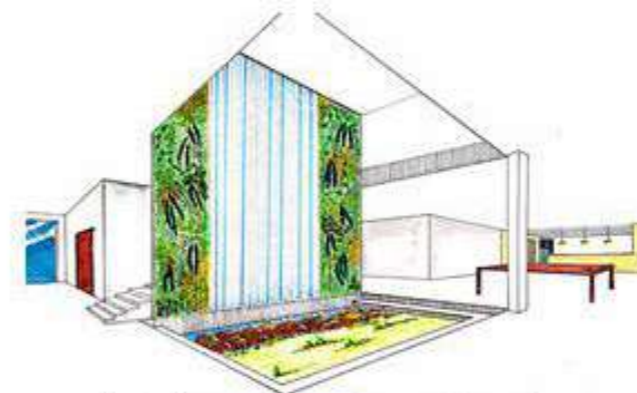
Student

Residence 'Prakruthi' proposed on a 0.12 acres land next to a lake and a forest in a small town Manipal, Karnataka. The location of the site is surrounded by nature. To intensify this attribute of the site the concept is inspired from the Panchmahabhutas or the 5 elements of nature. It is believed that the balance of these 5 elements results in health, peace and order.

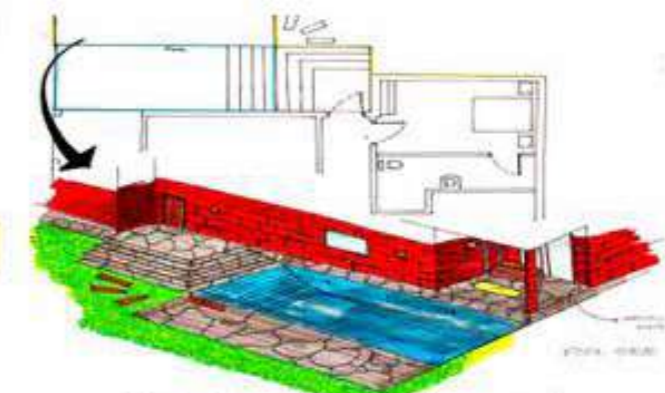
The entrance of the Residence beholds a courtyard consisting of the water wall. The living and dining along with the open kitchen surround the courtyard. A total of 4 bedrooms with balconies viewing the nearby lake accommodates a family of 5 and occasional guests.



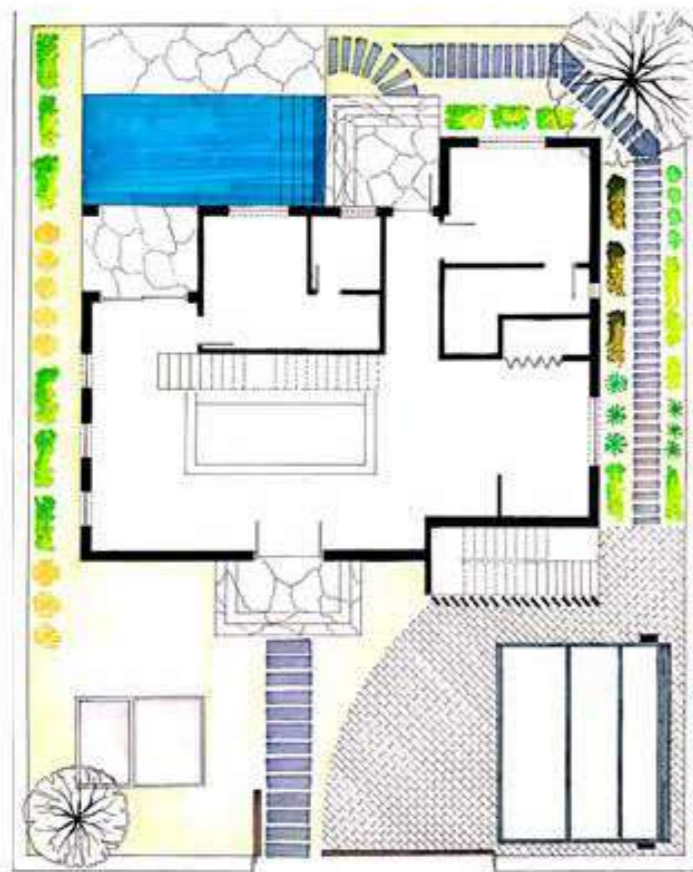
Exterior views



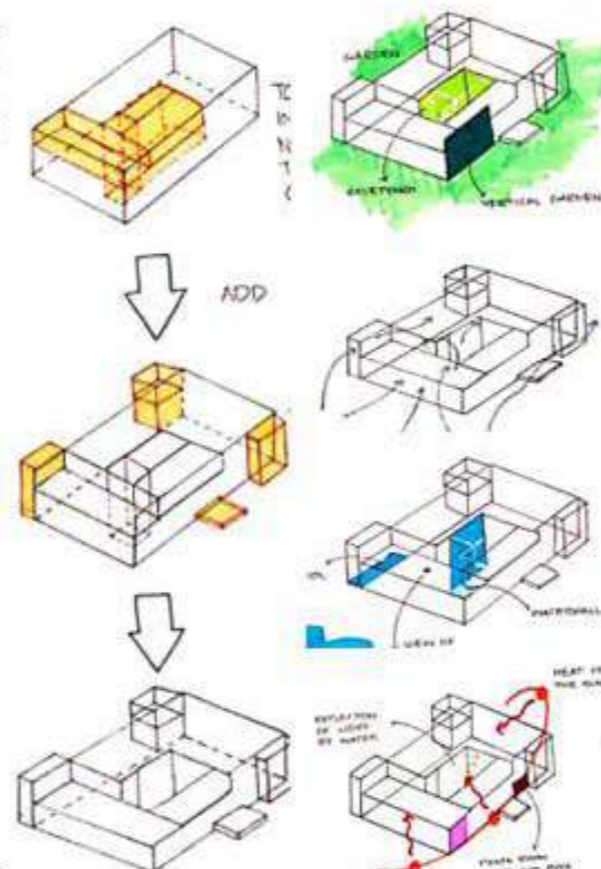
Interior view of courtyard



Exterior view of the pool



Master plan with ground floor plan



Form development



Isometric view



Elevation

Architectural Representation II

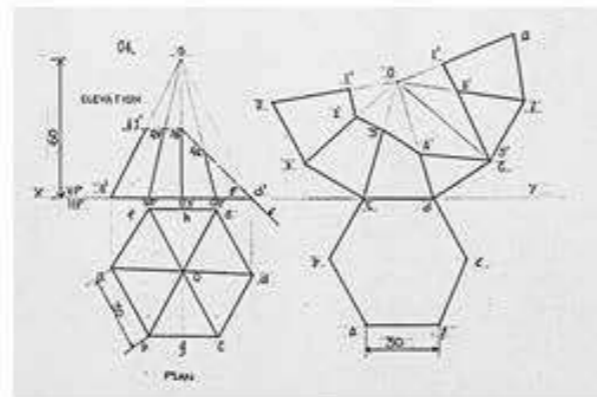
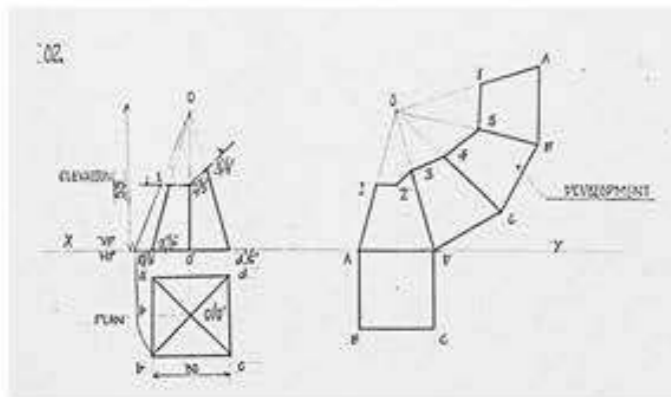
CAD

Faculty: Prof. Sanjeev Kumar and Prof. Monika Jadhav
 Student: Adhesh | 193701002

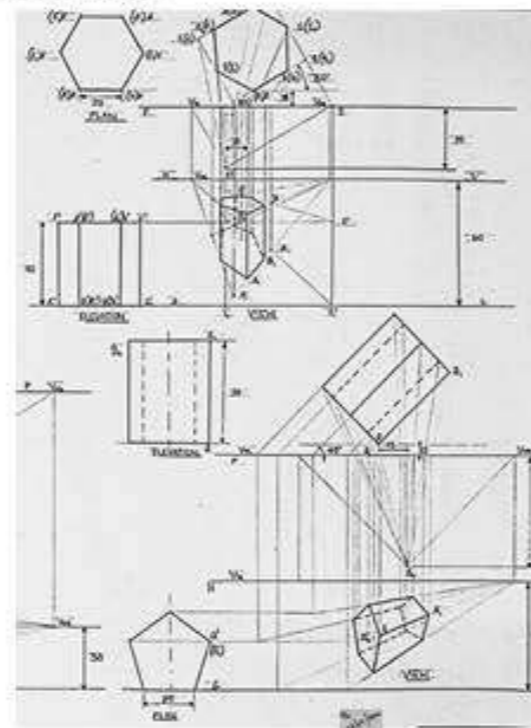
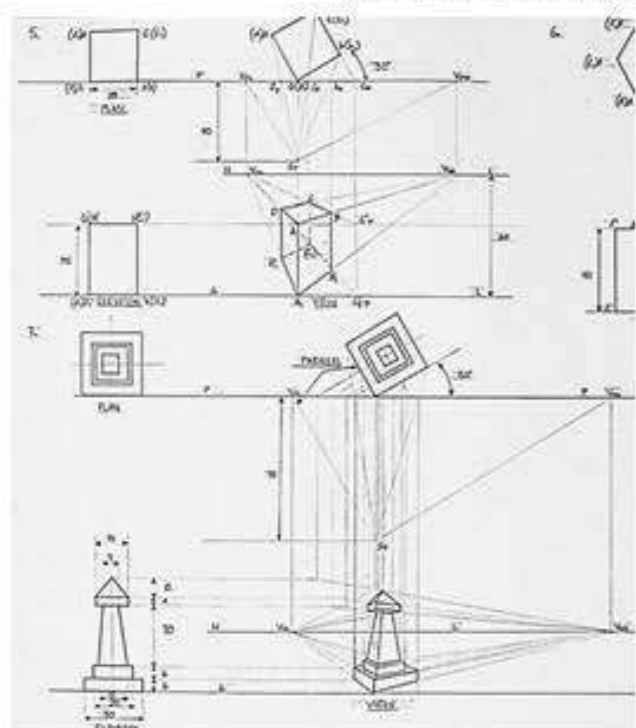


Student

This course helps us to draft and graphically represent different topics such as development of Surfaces, Interpenetration of Solids, Sciography, One Point Perspective, Two Point Perspective and working on AUTOCAD Software.



DEVELOPMENT OF SURFACES



TWO POINT PERSPECTIVE

BUILDING CONSTRUCTION AND MATERIALS - 1 (MASONRY)

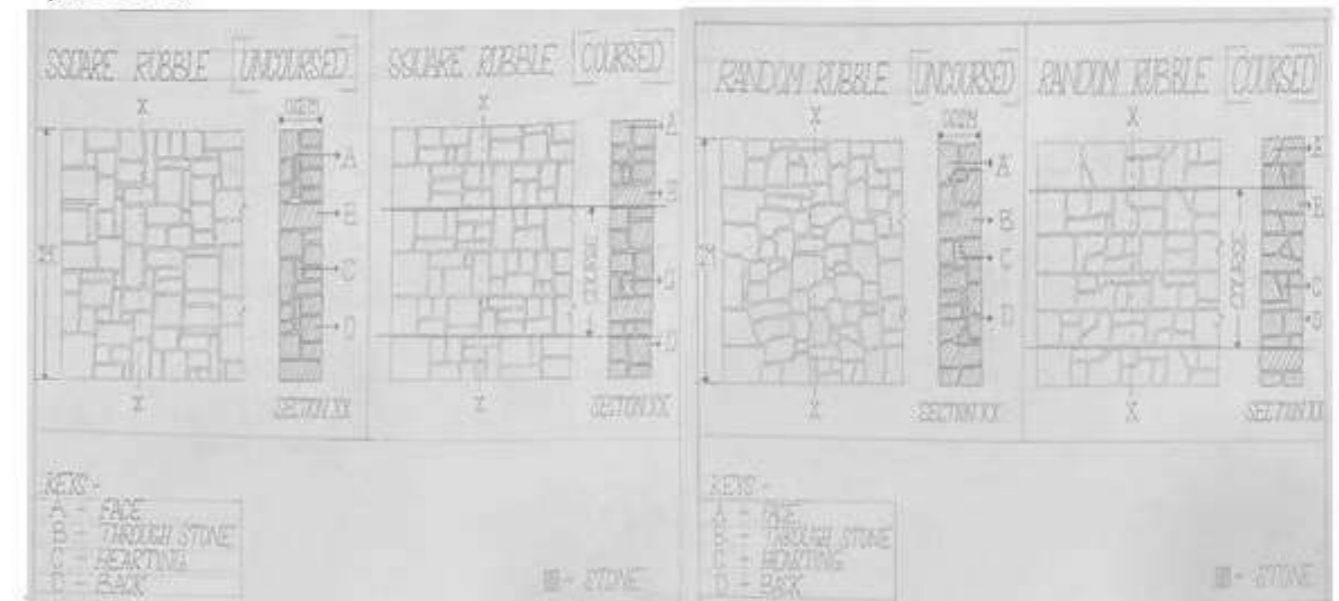


Student

Faculty: Prof. Shanta Pragyan Dash, Prof. Jambavati Gouda
 Student: Devansh Aggarwal | 203701008

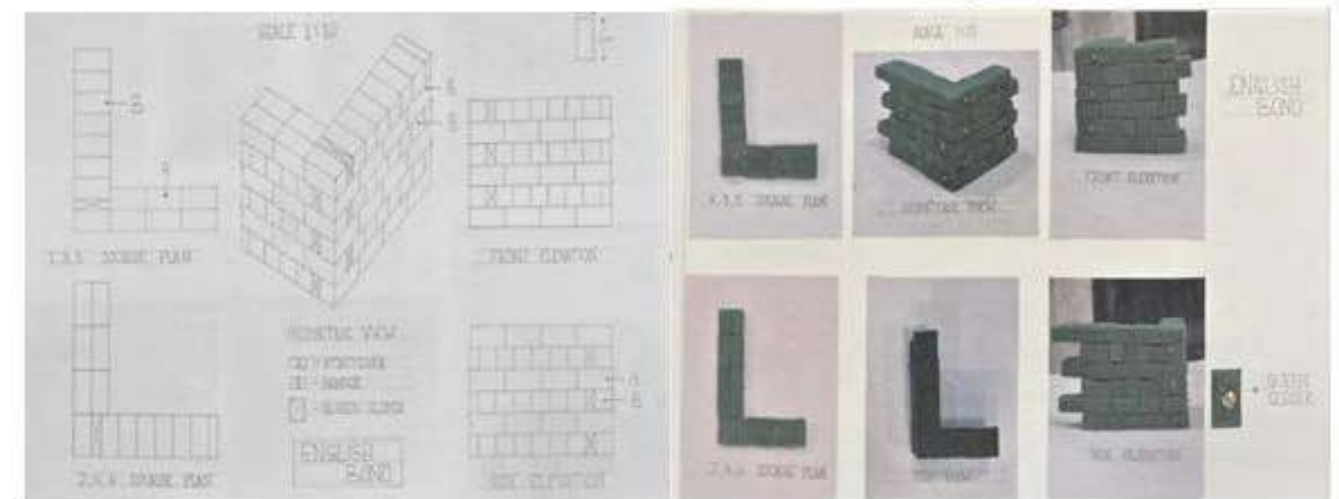
AIM:

To construct different types of stone and brick masonry as well as to understand their application and benefits in the building construction process.



Stone Masonry - Square Rubble

Stone Masonry - Random Rubble



Brick Masonry - English Bond

STRUCTURES-I

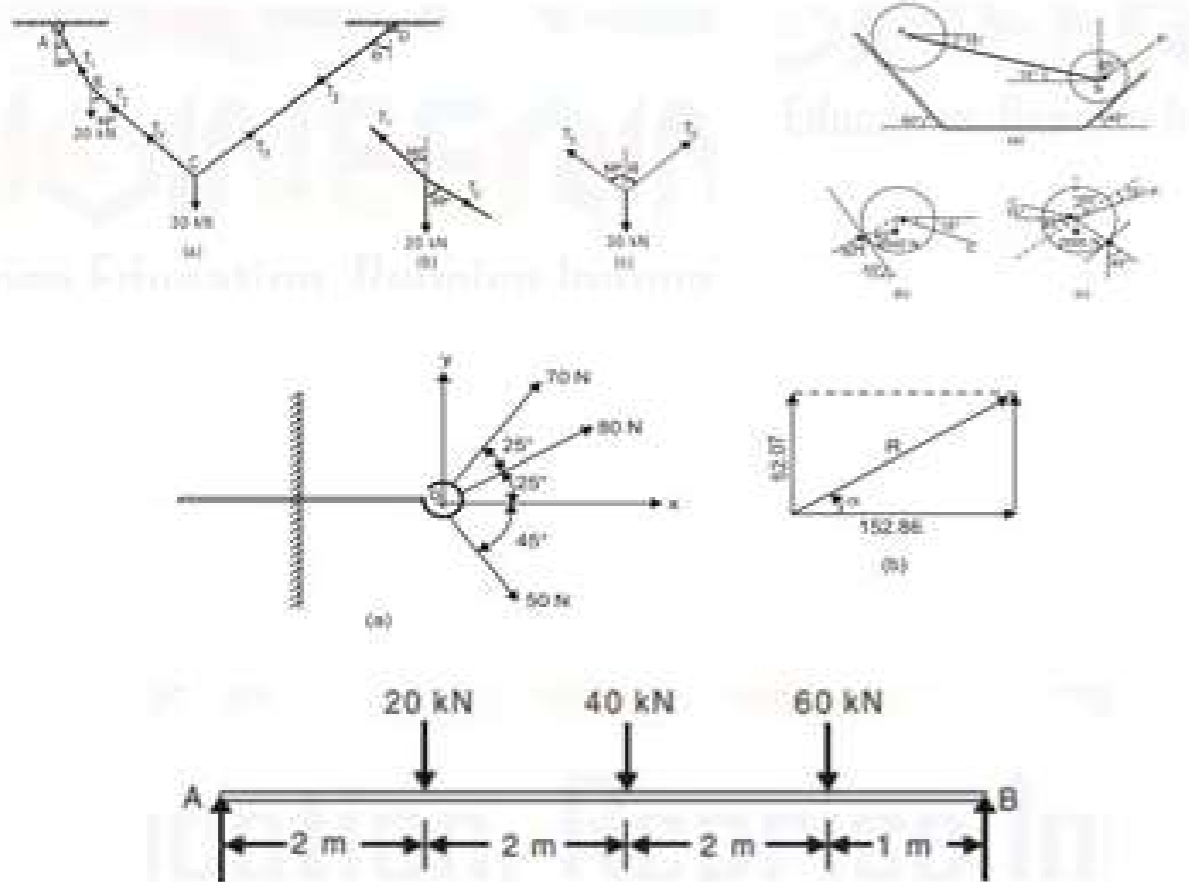
Basic structural analysis



Student

Faculty: Prof. Raghuprem
Student: Adithi k shenoy | 193701014

The objective of this course is to provide understanding structures in built environment and relevance to architectural design. The outcome is Introduction to fundamentals of structures for Buildings, Classification, Natural structures, Building loads, Effects on Buildings, Forces Systems, Conditions for Equilibrium, Elementary Analysis of Structural Response, Study of Geometric Properties of Structural Sections.



Climatology and Lab (Interior)



Student

Faculty: Prof. Sanjeev Kumar
Student: Kavya Narayanan | 193701020

Understanding of various climatic features and factors required to make a climate responsive design by analyzing the characteristics of a specific place in India (in this case Hyderabad) to understand in detail

Learning:

- Koppen climate classification
- Types of climates in India
- Factors affecting climate
- Understanding and finding thermal comfort and stress using Mahoney's table
- Understanding sun path using stereographic and cartesian diagrams to calculate optimum dimensions and type of shading device
- Understanding and controlling heat gain and daylighting through software (like energy plus) and physical tools
- Applying all these inferences along with passive heating/cooling techniques to design a climate responsive building

Location	Climatic Zone	Longitude	Latitude	Altitude	Annual Mean Temperature	Annual Mean Range	Total Rainfall							
Hyderabad	Composite	17.385 N	78.4867 E	542m	27.8	25	828.5mm							
Climatic Data	Mean Monthly	Min	16	18	21	25	26	24	23	22	21	21	17	15
		Max	30	32	35	39	40	35	31	30	31	31	30	29
	Range		14	14	14	14	14	11	12	8	9	10	13	14
	Relative Humidity	AM	100%	100	94	94	89	94	100	100	100	100	100	100
		PM	20%	19	18	15	15	26	49	56	63	63	45	49
	Average Relative Humidity		57%	52%	42%	42%	33%	58%	78%	82%	86%	85%	73%	75%
Humidity Group		3	3	2	2	2	3	4	4	4	4	4	4	
Mean Monthly Rainfall (mm)		13.2	7.9	15.3	20.2	35.7	103.8	169.9	178.7	158.3	97.2	22.4	5.9	
Diagnosis	Day comfort limits	Min	23	23	25	25	25	23	22	22	22	22	22	
		Max	29	29	31	31	31	29	27	27	27	27	27	
	Night comfort limits	Min	17	17	17	17	17	17	17	17	17	17	17	
		Max	23	23	24	24	24	23	21	21	21	21	21	
Thermal Stress	Day	H	H	H	H	H	H	H	H	H	H	H		
	Night	C	O	O	H	H	H	H	H	O	O	O		
Indicators	Air movement essential	H1								✓	✓			
	Air movement desirable	H2												
	Rain protection necessary	H3												
	Thermal capacity necessary	A1			✓	✓	✓	✓	✓					
	Outdoor sleeping desirable	A2				✓	✓	✓						
	Protections from cold	A3												

Mahoney's table

History Theory and Criticism II

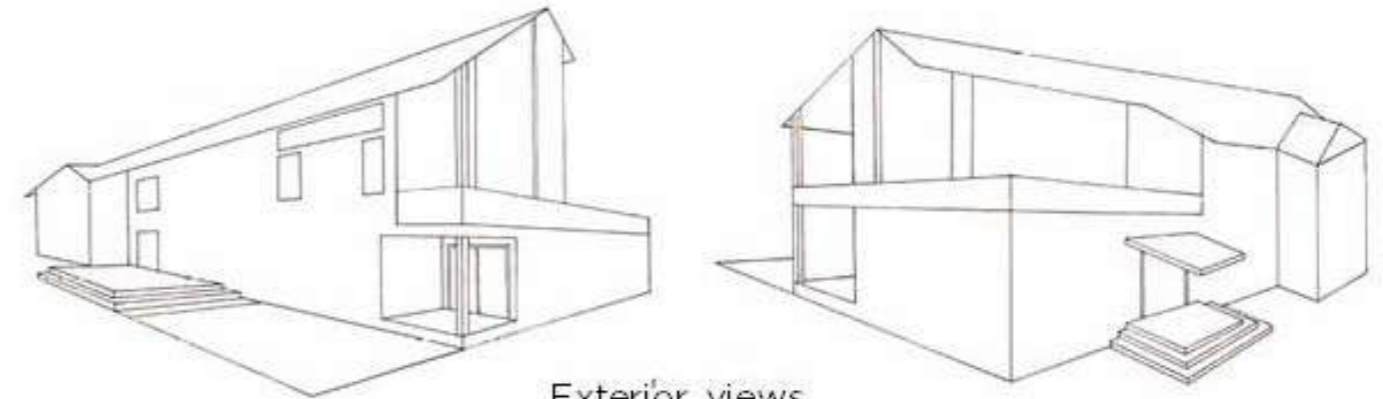
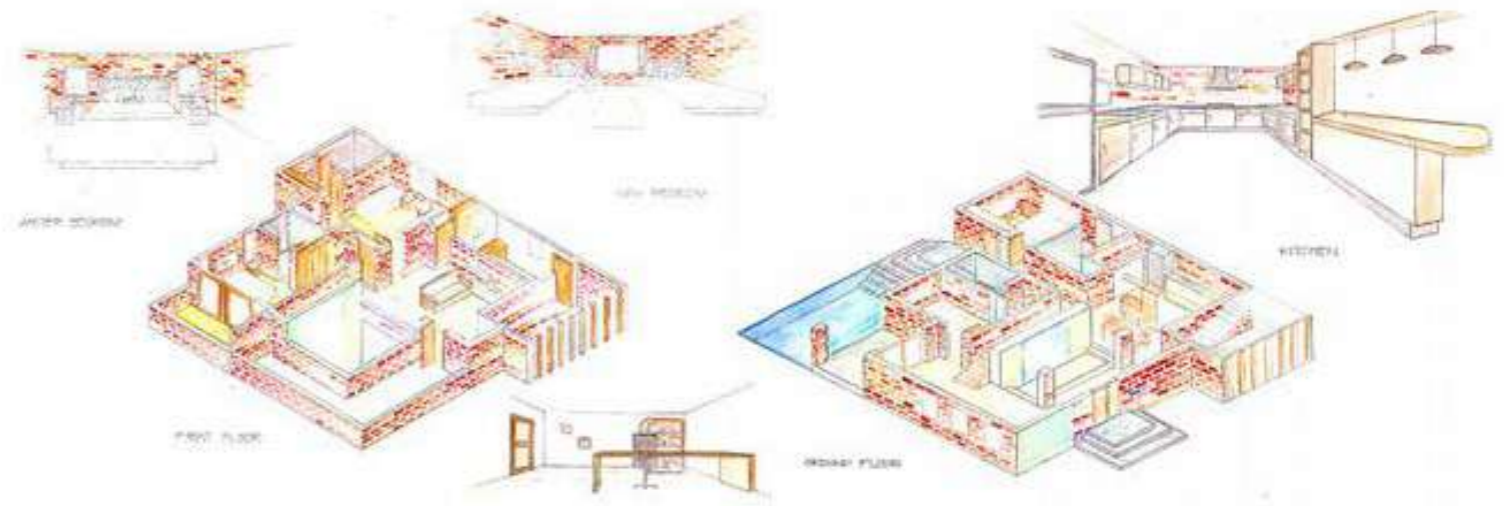
Early Indian Architecture

Faculty: Prof. Kailas M
 Student: Vaishnavi S Rao | 193701016



Student

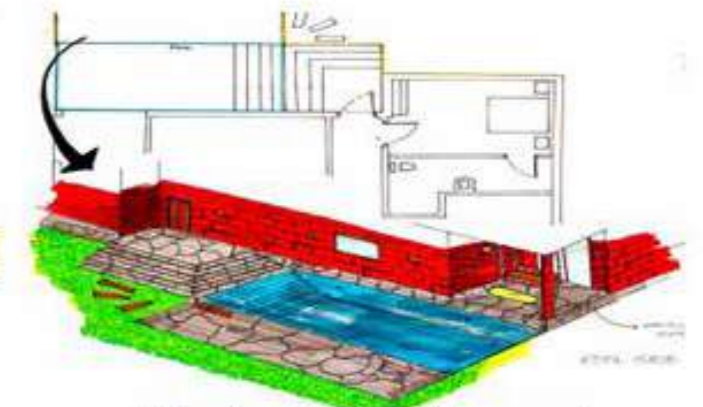
The objective of the course is to study and analyze the evolution, general settlement pattern, geographic and climatic influence, socio-political background, construction technology, material influence and design principle of the cities and built forms.



Exterior views



Interior view of courtyard



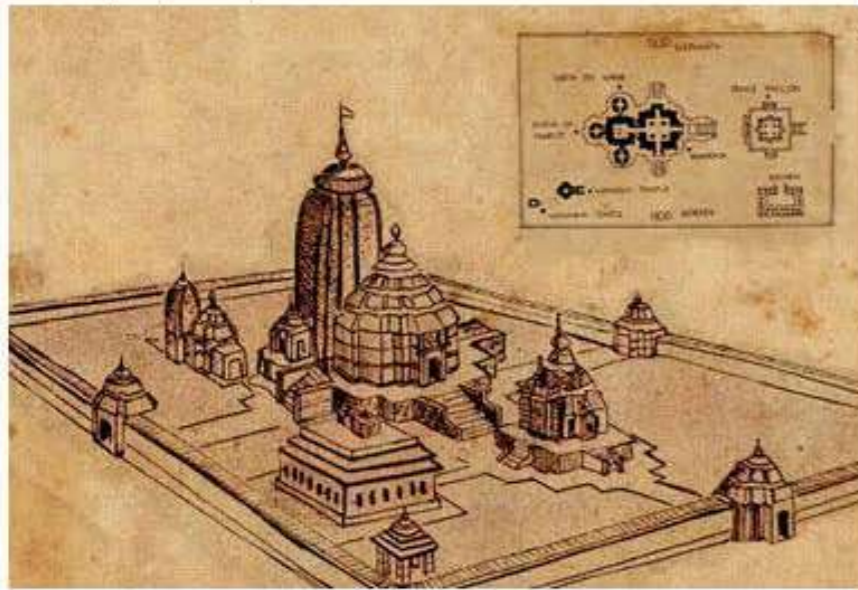
Exterior view of the pool



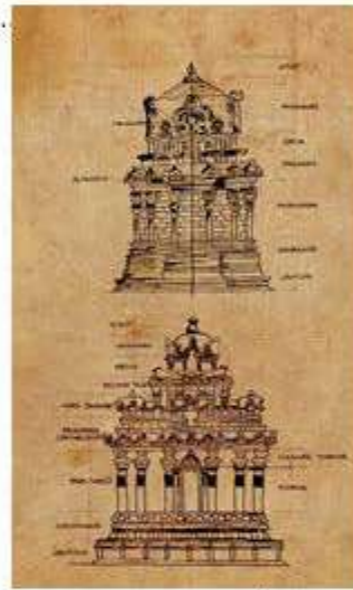
Isometric view



Elevation



Sun Temple, Konark



Rathas - Pallava style



Adinatha Temple, Ranakpur

Architectural Design and Detailing III

Campus Design

Faculty: Prof. Praithana Narendra
 Student: Perna Nayak | 193701112



Student

Kindergarten 'Piccolo' proposed on a 1.2 acres land in Manipal, Karnataka.

The structure has 4 connected blocks and multiple play zones each harbouring a different activity. The goal of the design is to evoke positive emotions such as amusement. Patterns, shadows, colors etc. used extensively provide opportunities for observation, possible curiousness and reasoning and benefits in brain creativity and productivity.

The slide leading to the central ball pool, the water fountain, the skywalk etc creates an amusement park like experience making the kindergarten a place every child wants to go to. Happy children learn the best.



Views



Sections



Elevations



Master plan



Ground floor plan



Roof plan

STRUCTURES-II

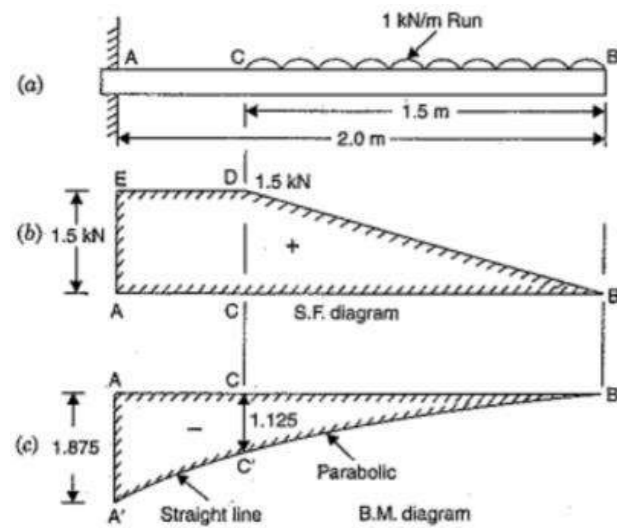
Strength of materials



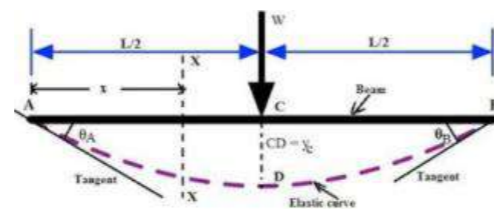
Student

Faculty: Prof. Trupti Amit Kinjawadekar
Student: Adithi k shenoy | 193701014

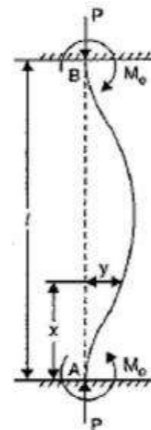
The objective of this course is to provide knowledge and essential skills required for analysing basic structural elements. The course prepared the students with requisite knowledge related to strength of materials which helps in selecting and understanding application of basic materials in architectural design. Outcomes expected were fundamentals of stress and strain concept, analysing and solving numerical problems for shear force and bending moment, concept of flitched beam, deflection and analysis of beams for various conditions, and classification of columns.



SFD and BMD



Deflection



Column analysis

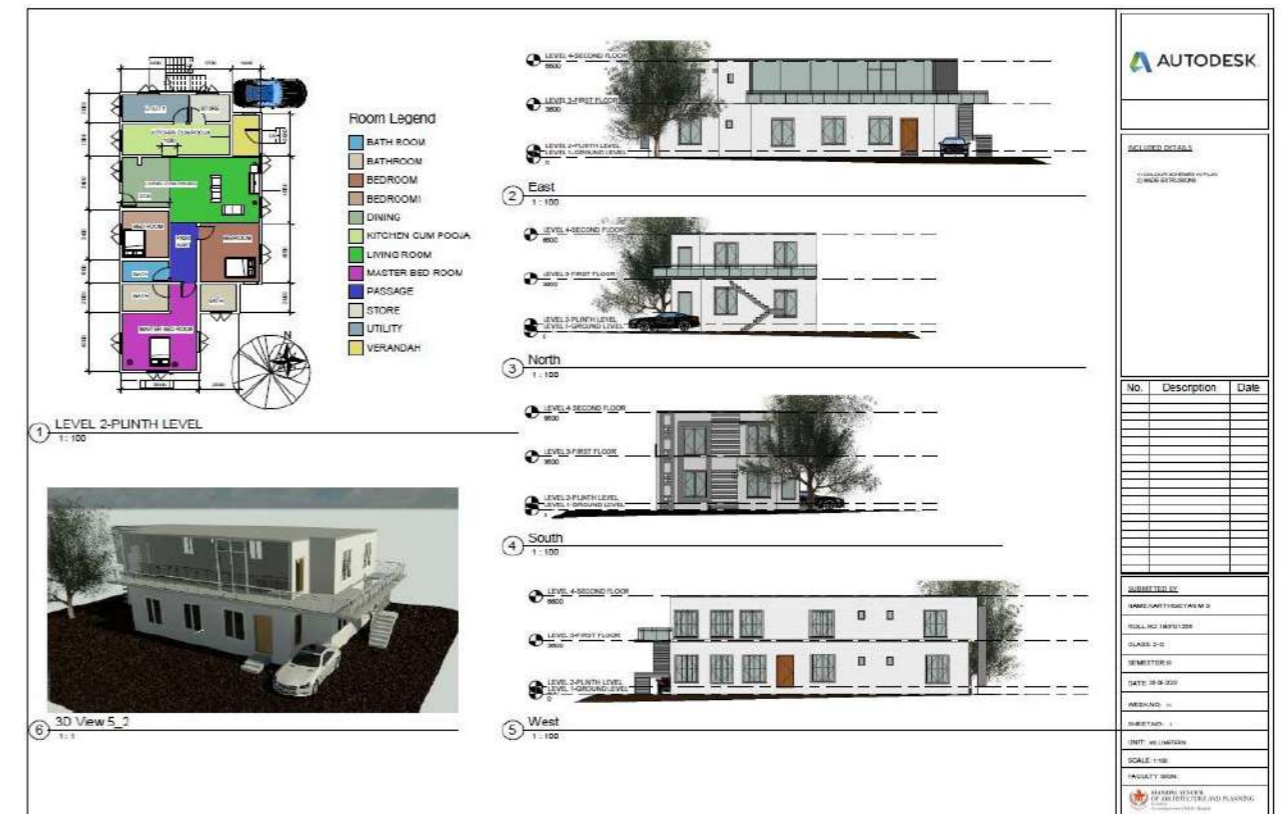
Architectural Representation-III (BIM)



Faculty: Amrutha Sree CN, Kailas M
Student: Karthigeyan M S | 193701356

This course focuses on the knowledge and application of building information modelling softwares (BIM) along with other rendering softwares. Autodesk Revit which is a BIM software was taught with the use of Twin motion and Unreal engine from epic games for the specific aspect of 3D model rendering.

This course also gave guidance as to how to create customized parametric models and photorealistic renders in Revit. Furthermore, knowledge about developing 3D site model and building models was given which further helped us create plans, sections, elevations and views along with structural detailing, 3D model exporter file and 3D model video making in softwares.



Floor plans, sections, isometric view created in Autodesk Revit

BUILDING SERVICES-1

Landscape & Lab (Exterior)



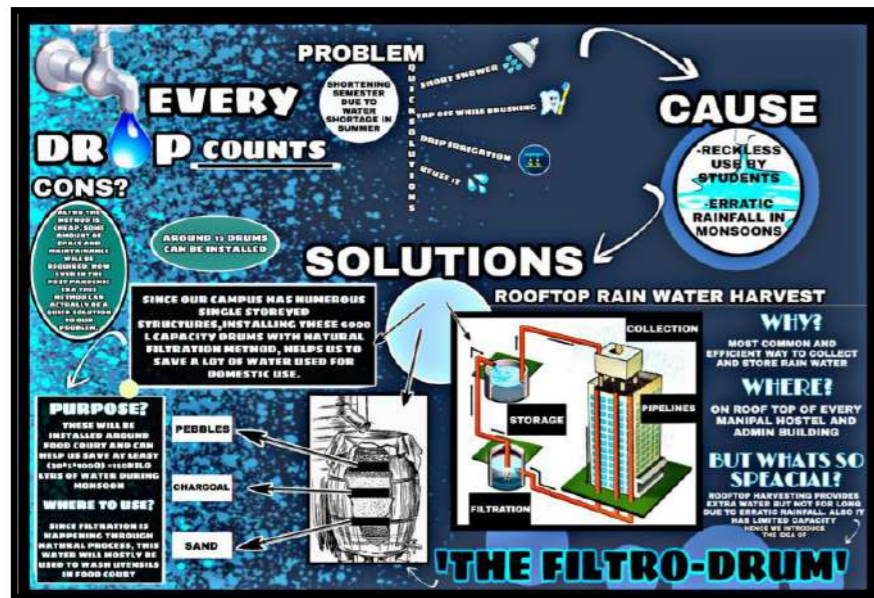
Student

Faculty: Prof-Ahmad Mehdi Mirza
 Student: Kaushiki Brahma Registration number- 193701042

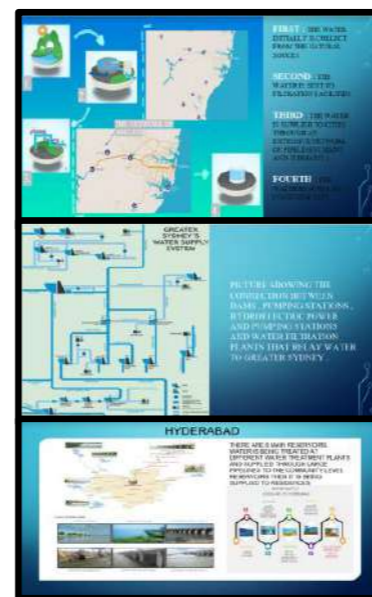
Our syllabus focused on supply, treatment and distribution of water in both building and community level, through practical case studies. We also learnt water tank size calculation, various sanitary fittings and exploring rain water collection solutions.



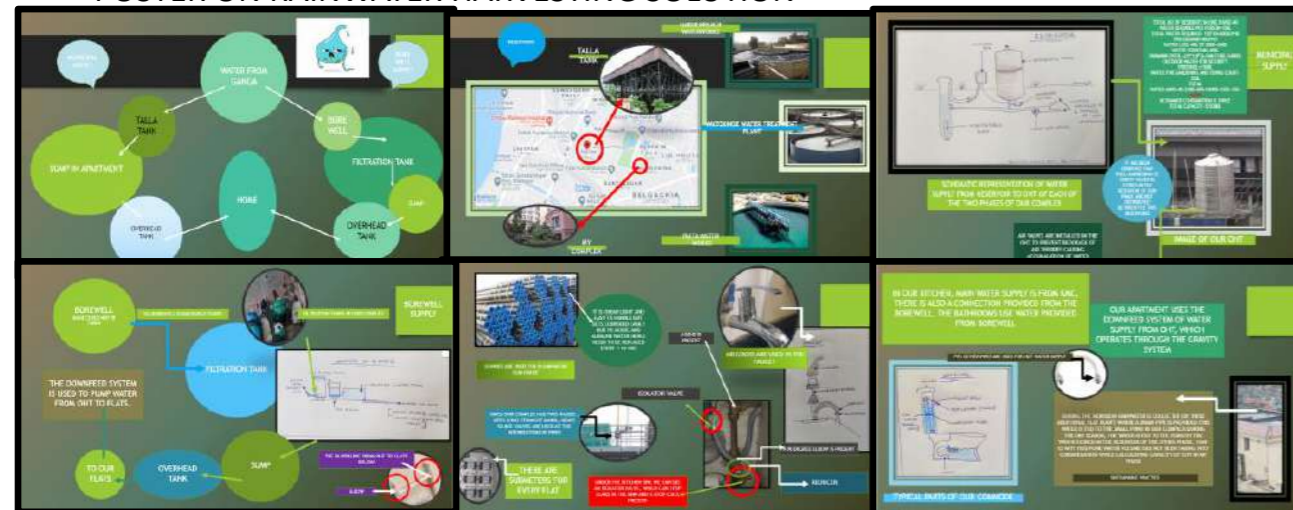
understand the Landscape elements, the relationship between built open spaces. To understand the small scale site



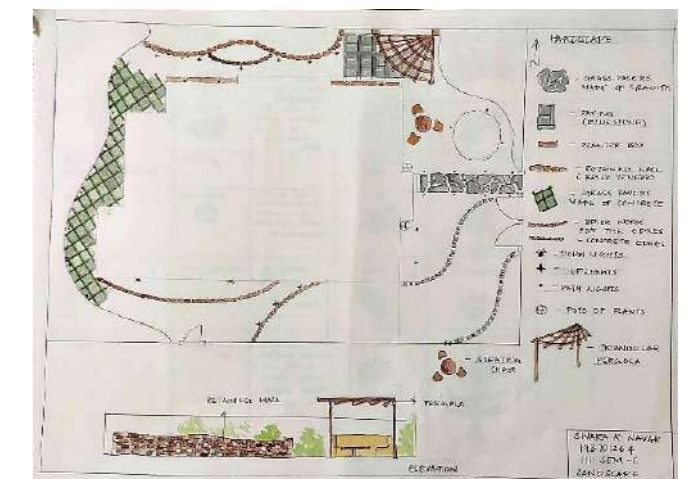
POSTER ON RAINWATER HARVESTING SOLUTION



COMMUNITY SUPPLY



APARTMENTAL WATER SUPPLY PROCESS



Architectural Design & Detailing - IV

Research Centre for Alternate Building Materials

Faculty: Prof. Sundeeep Kumar
 Student: Shreya Murali | 183701140

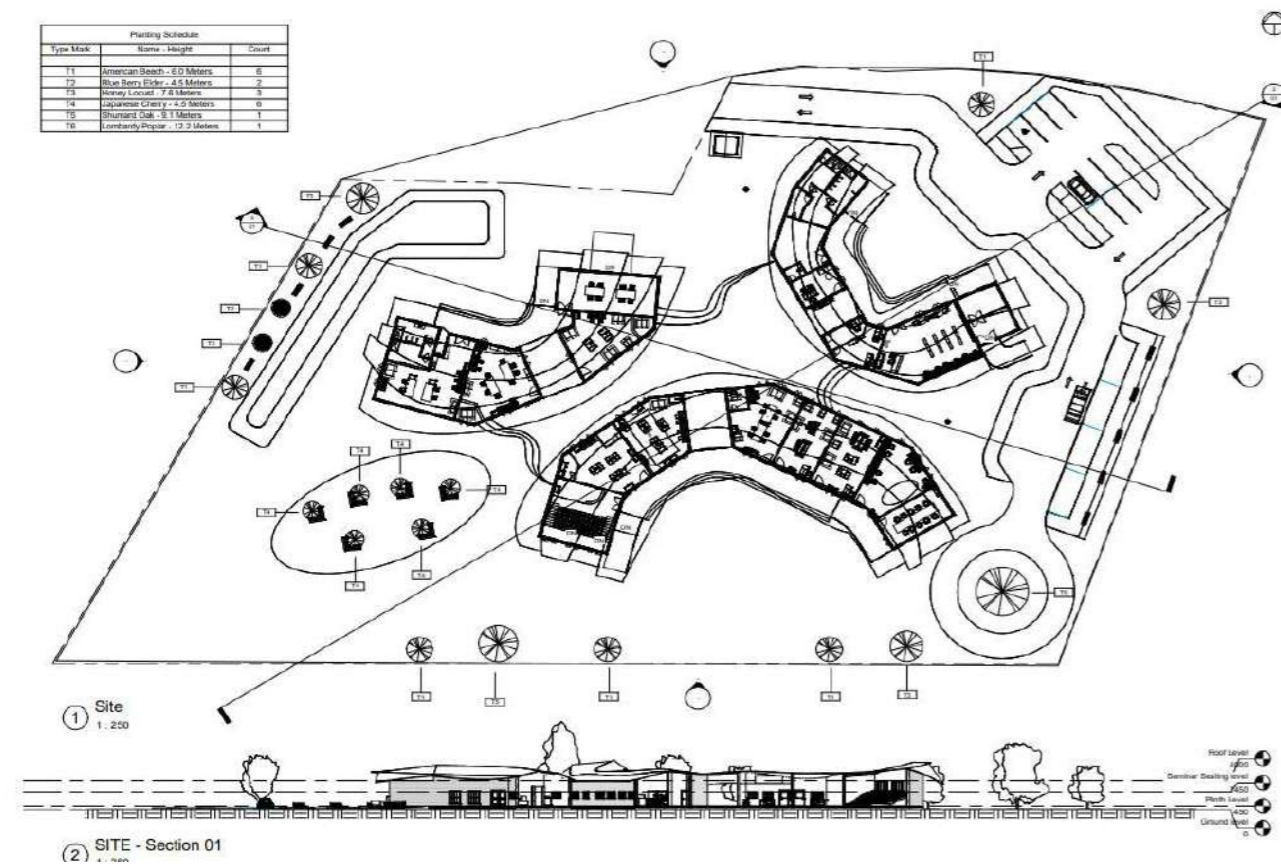


Student

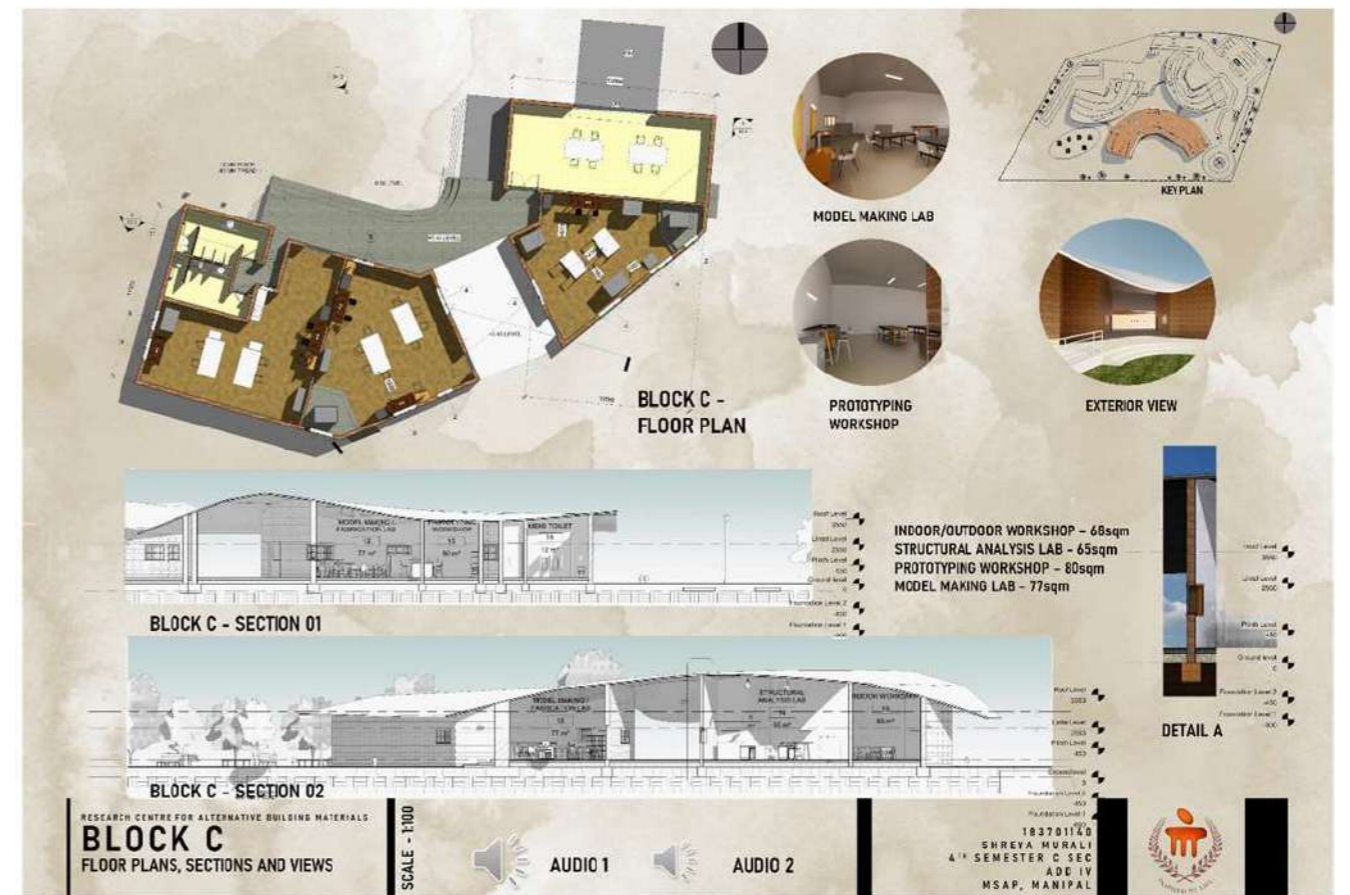
The concept behind this project is, Lakshya, Focus on the things that matter. Focus is explored in the design through the separation and orientation of spaces, human interaction with the built and unbuilt, sunlight and ventilation.

The spaces are categorized based on the zoning and arranged into 3 blocks, A,B and C.

These blocks are rough crescent shapes of varying sizes with wide passageways running through their centers. These lead into a central space, open to the sky, that acts as a buffer between blocks and a collaborative, community space for the users.



Lakshya – Research Centre for Alternate Building Materials
 Site Plan and Site Section



BLOCK C – Floor Plan, Sections, Views and Details



Bird's Eye View of Project Site and various Blocks

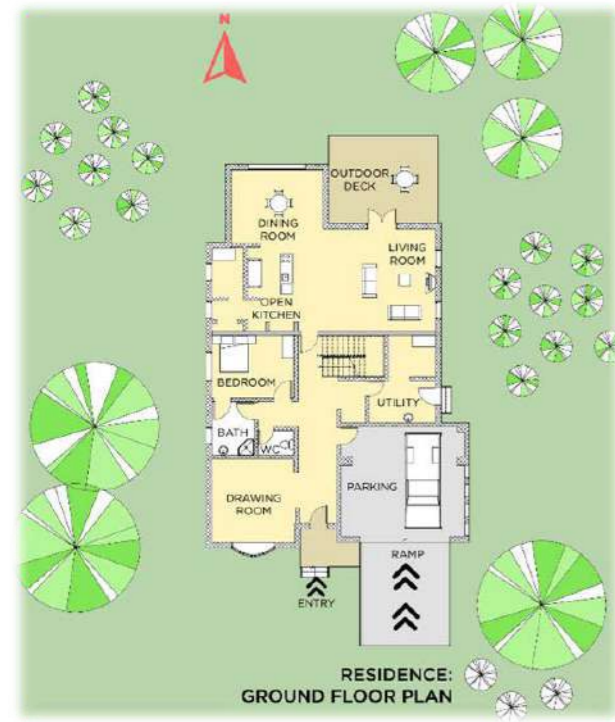


Elevations

Architectural Representation IV



Modelling a G+1 residence on Autodesk Revit using commands like walls, doors, windows, stairs, ramps, floors, roofs and components (furniture, vegetation). Using the Camera command to capture various interior and exterior view and



INTERIOR 3D SHADED VISUAL STYLE

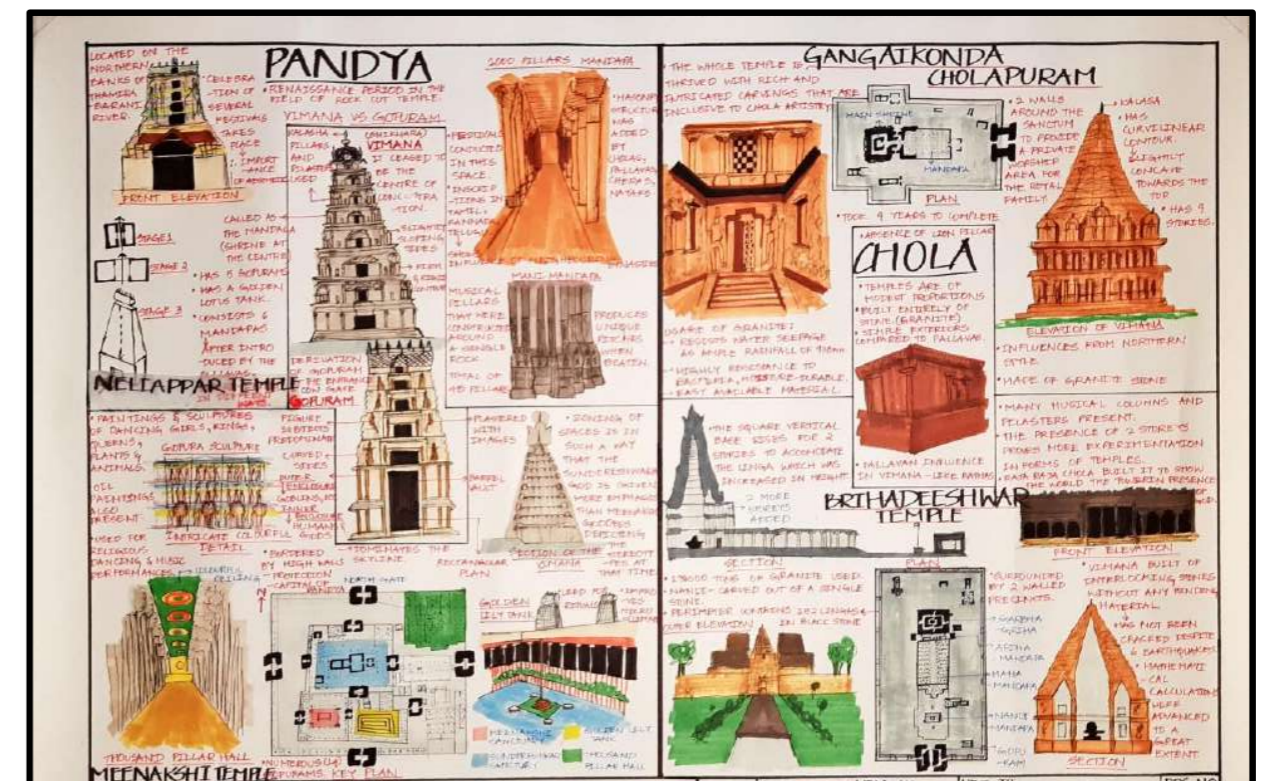
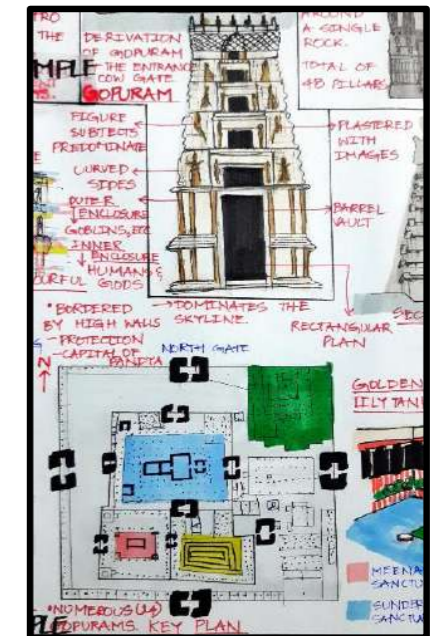
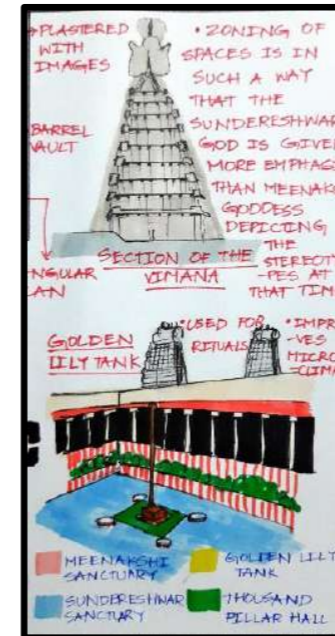


ISOMETRIC 3D SHADED VISUAL STYLE

History of Built Environment IV



Spatial and structural innovations involved in the construction of a South Indian temple through various examples.



Structural & Construction Systems - IV

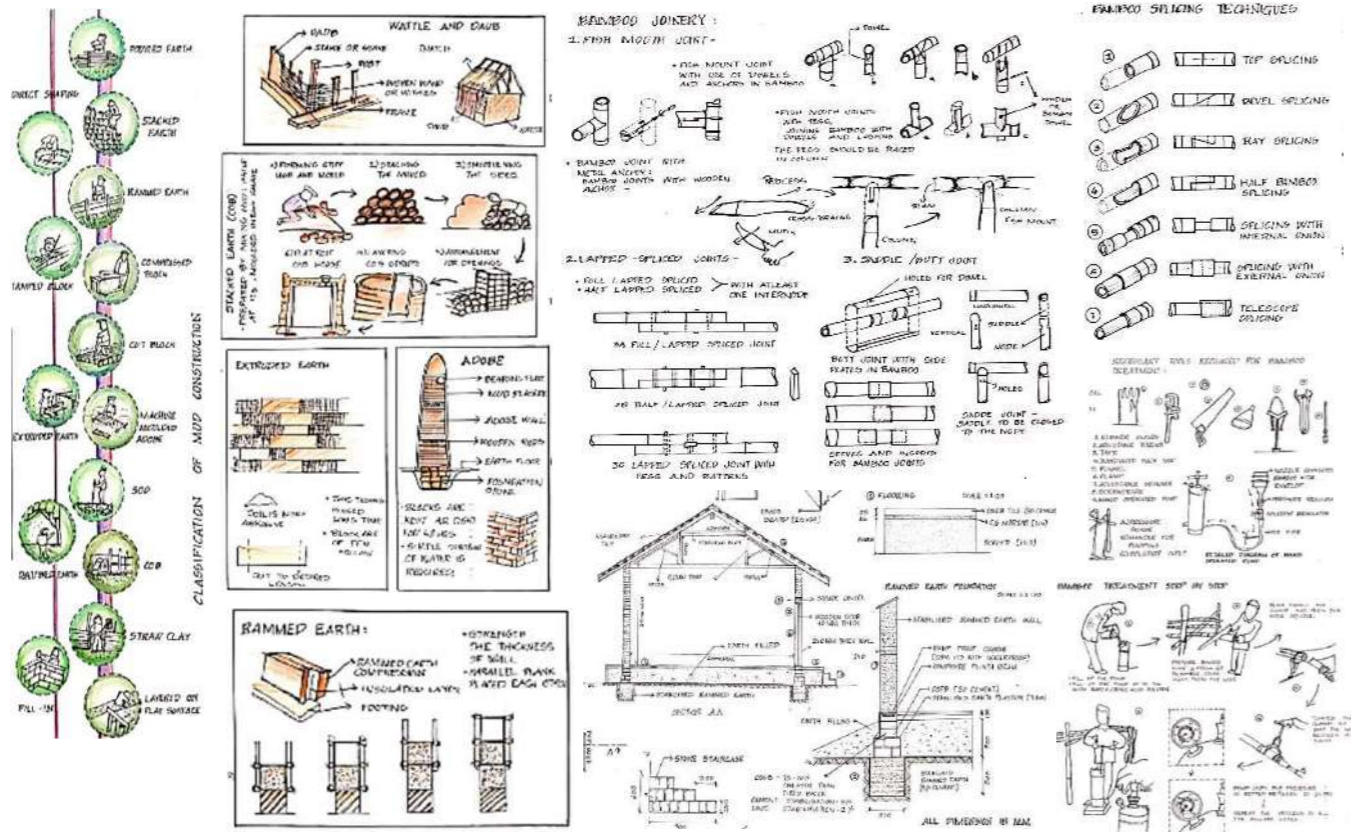
Alternative Building Materials & Technology

Faculty: Dr. Shantharama Patil
John Benette John
Prarthana Narendra
Student: Mohamed Nasrat I | 183701208



Student

This course will explore on various alternative building materials and technology from typologies, components, method of construction techniques, joinery details and gives an insight on how to implement these techniques in modern day construction.



Hand drafted details



Site visit



Mud Workshop

Principles of Sustainable Design

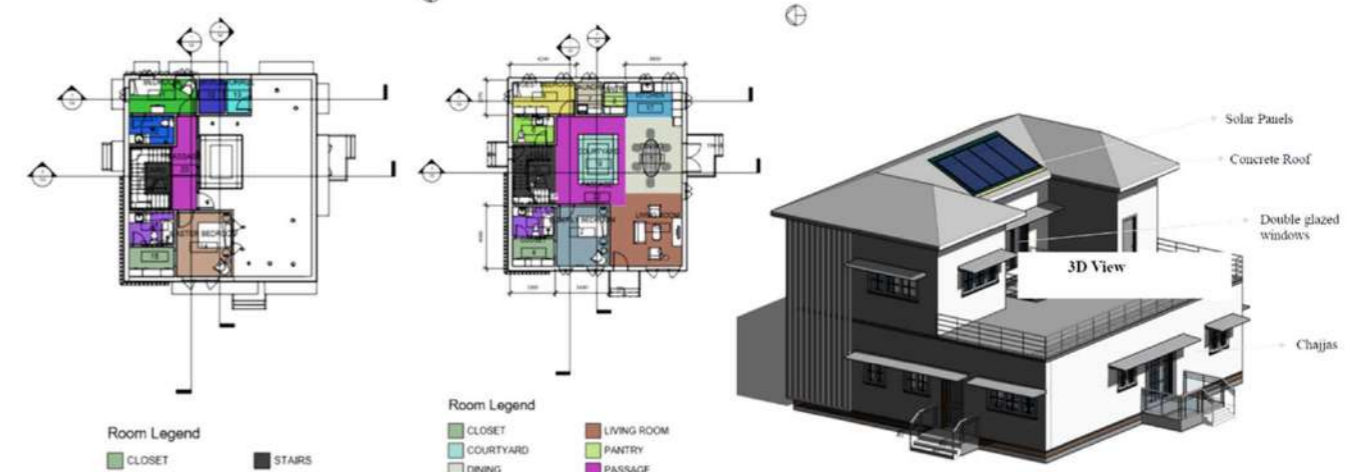


Student

Faculty: Prof. Pranav Kishore
Student: Mohamed Nasrat I | 183701208

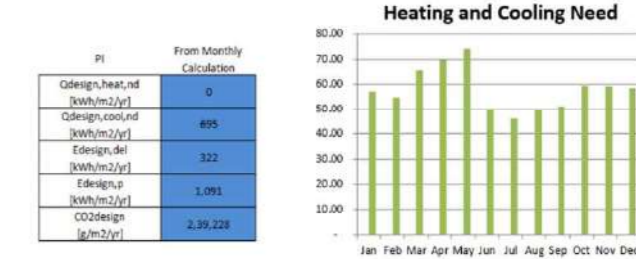
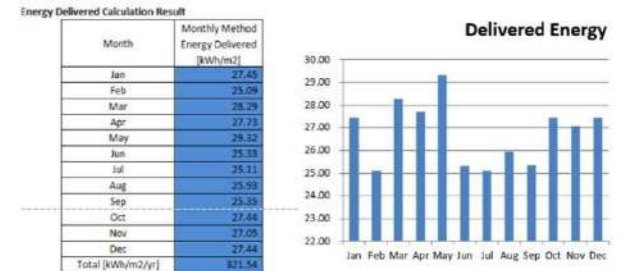
Abstract :

This is an energy efficiency report of a residence located in Manipal, Karnataka. Topics covered and understood includes understanding of the different building components, their materials and the services involved to understand the role they play in the efficiency of a built environment.



Month	Heat from monthly heating mode	Q _{h,1} [kWh/m ²]	Q _{h,2} [kWh/m ²]	Q _{h,3} [kWh/m ²]	Q _{h,4} [kWh/m ²]	Q _{h,5} [kWh/m ²]	Q _{h,6} [kWh/m ²]	Q _{h,7} [kWh/m ²]	Q _{h,8} [kWh/m ²]	Q _{h,9} [kWh/m ²]	Q _{h,10} [kWh/m ²]	Q _{h,11} [kWh/m ²]	Q _{h,12} [kWh/m ²]	Total [kWh/m ² /yr]
Jan	21.00	188.62	1.99	187.63	22.85	22.85	1.96	185.68	0.00	-	-	-	-	211.43
Feb	21.00	184.68	1.69	183.00	22.73	22.73	1.72	181.28	0.00	-	-	-	-	205.71
Mar	21.00	184.04	1.50	182.54	21.95	21.95	1.50	181.05	0.00	-	-	-	-	204.50
Apr	21.00	180.28	1.18	179.10	22.02	22.02	1.18	177.93	0.00	-	-	-	-	199.13
May	21.00	155.59	0.43	155.16	21.63	21.63	0.43	154.73	0.00	-	-	-	-	176.80
Jun	21.00	115.89	0.23	115.66	21.13	21.13	0.23	115.43	0.00	-	-	-	-	137.00
Jul	21.00	118.69	1.43	117.26	21.03	21.03	1.43	115.83	0.00	-	-	-	-	140.26
Aug	21.00	127.47	1.39	126.08	21.12	21.12	1.39	124.69	0.00	-	-	-	-	148.08
Sep	21.00	132.22	1.28	130.94	21.05	21.05	1.28	129.67	0.00	-	-	-	-	153.95
Oct	21.00	138.04	1.25	136.79	21.95	21.95	1.25	135.54	0.00	-	-	-	-	159.74
Nov	21.00	184.62	1.29	183.33	22.12	22.12	1.29	182.04	0.00	-	-	-	-	206.74
Dec	21.00	175.89	1.53	174.36	21.95	21.95	1.53	172.83	0.00	-	-	-	-	196.87
Total	-	189.23	12.87	186.36	198.58	198.58	12.87	183.51	0.00	-	-	-	-	221.44

Month	13.1 from monthly cooling mode	Q _{c,1} [kWh/m ²]	Q _{c,2} [kWh/m ²]	Q _{c,3} [kWh/m ²]	Q _{c,4} [kWh/m ²]	Q _{c,5} [kWh/m ²]	Q _{c,6} [kWh/m ²]	Q _{c,7} [kWh/m ²]	Q _{c,8} [kWh/m ²]	Q _{c,9} [kWh/m ²]	Q _{c,10} [kWh/m ²]	Q _{c,11} [kWh/m ²]	Q _{c,12} [kWh/m ²]	Total [kWh/m ² /yr]
Jan	20.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	19.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	20.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	22.22	11.90	1.47	13.37	22.92	22.92	1.47	24.39	1.00	0.00	0.00	0.00	0.00	36.36
May	25.88	13.99	1.78	15.77	19.78	19.78	1.78	21.56	1.00	0.00	0.00	0.00	0.00	41.76
Jun	26.57	2.84	0.21	3.05	22.13	22.13	0.21	22.34	0.00	0.00	0.00	0.00	0.00	25.39
Jul	28.76	7.81	0.84	8.95	29.61	29.61	0.84	30.45	0.00	0.00	0.00	0.00	0.00	38.26
Aug	28.81	8.88	0.92	9.80	32.52	32.52	0.92	33.44	0.00	0.00	0.00	0.00	0.00	39.36
Sep	26.77	3.02	0.35	3.37	23.25	23.25	0.35	23.60	0.00	0.00	0.00	0.00	0.00	26.67
Oct	28.75	0.30	0.03	0.33	28.52	28.52	0.03	28.55	0.00	0.00	0.00	0.00	0.00	28.88
Nov	28.83	0.79	0.04	0.83	30.02	30.02	0.04	30.06	0.00	0.00	0.00	0.00	0.00	29.14
Dec	26.97	1.20	0.10	1.30	28.99	28.99	0.10	29.09	0.00	0.00	0.00	0.00	0.00	29.19
Total	-	121.67	10.48	13.66	198.90	198.90	10.48	209.38	0.00	0.00	0.00	0.00	0.00	221.44



Month	Monthly Method Heating Need [kWh/m ²]	Monthly Method Cooling Need [kWh/m ²]
Jan	27.43	0.00
Feb	25.08	0.00
Mar	28.29	0.00
Apr	27.73	11.90
May	28.32	13.99
Jun	25.33	3.05
Jul	25.11	7.81
Aug	25.98	8.88
Sep	27.44	3.02
Oct	27.44	0.30
Nov	27.02	0.79
Dec	27.44	1.20
Total	321.54	41.76

Building Services - III

Air Conditioning Systems and Acoustics

Faculty: Prof. Satyaprakash Das
Student: Mohamed Nasrat I | 183701208



Student

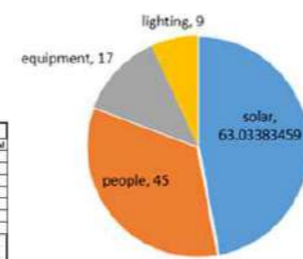
Assignment Brief:
Document and Analyse the existing air-conditioning system of a space within the Msap campus



Plan, section and ceiling plan of Reference Library, Msap Manipal

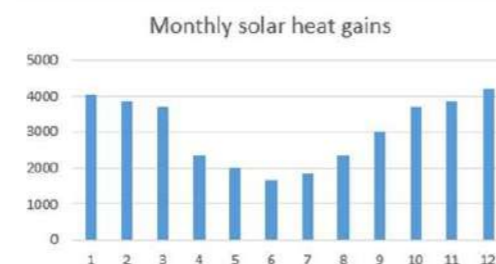
Heat gain estimation:

Back of the envelope internal heat gains estimator			
size of the room (m ²)	66.5		
1. People			
nr of people per room	24	125	W/person for office activities
2. Office equipment			
W	quantity per unit	W (on model)	Max. Hours /Day
Small screen	0.03	0	0
Value Pcs	0.46	10	0
Multimedia Pcs	0.67	0	0
Workstation	0.190	0.5	0
Notebook 9-11"	0.18	0	0
Ultra Portable Notebook 13-15"	0.73	0	0
Value Notebook 15-17"	0.12	0	0
Large Notebook 17-20"	0.219	0	0
Internet Desktop	0.1	8	138
			0
			328
			402 kWh/year



internal heat gains [W]	
heat gains for people	3000
heat gains for equipment	1103
heat gains for lighting	608
total	4711

Result:	
electricity consumption (equipment + light) per year for room [kWh/year]	1666
electricity consumption (equipment + light) per year per m ² [kWh/m ² year]	25
Heat gain breakdown [W/m²]	
solar	63.03383
people	45
equipment	17
lighting	9
total heat loads [W/m²]	134



Creative Fashion Elective

Faculty: Prof. Lucy Tage
Student: Shimogne D'Souza | 183701106



Student

The Creative Fashion Elective taught us the basics of Fashion design. Our main project was designing, creating and styling a garment with the pattern of an oversized T-shirt and pant. The concept for my product was the very versatile "lazy pj's".



PRODUCT CONCEPT: lazy pj's

The "lazy pj's" are our interpretation & take on the trend of pajama-inspired all day attire flooding high fashion runways in recent years. They're loose, comfortable and versatile. They can be worn on a warm summer day or when you're short on time and want to wear something that's quick, effortless yet classy. Another bonus is that the "lazy pj's" easily compliment the Indian wardrobe, since its design bears resemblance to the traditional "kurta pyjama". The "lazy pj's" can be dressed up or down depending on the occasion and would be an excellent basic set to have in any girl's wardrobe.



Concept for Garment – "lazy pj's"

Proposed Design Illustration

Progressive Garment

THE DESI LOOK

This one's a sweet and simple Indian girl next door look. It can be worn when visiting relatives, touring ancient monuments or when you want to wear something that's ethnic, serene and comfortable.

Styling option -1

Styling option -2
CUTE UNI GIRL LOOK

Styling option -3
THE DATE NIGHT LOOK

Styling Options

Creative Photography (Elective)



Student

Faculty: Poonam Rathore
Student: Sebastian Adit James | 183701170

In this elective we learnt about the different styles of compositions and rules applied in the field of photography. We were given assignments that allowed us to demonstrate and experiment in various different styles of a visual aesthetic



The different perspectives of a frame and the impact of color while shooting



The composition of Human figures in a frame



The effect of light and shadow in a scene and silhouetted figures within and the correlation with the surroundings

Structural and Construction Systems-V

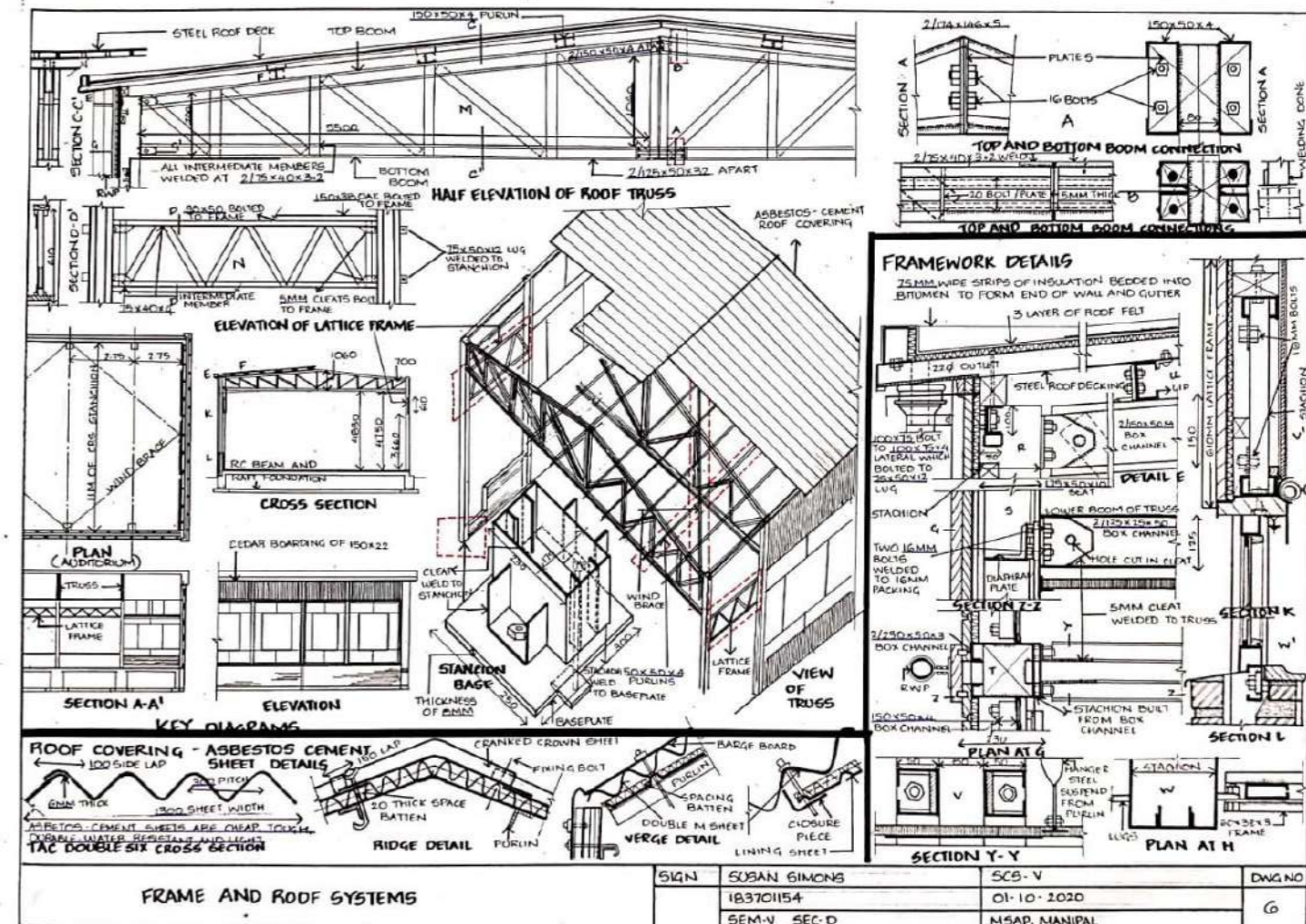
Steel as a construction material



Susan Simons

Faculty: Prof. Akshatha Rao , Prof. Sriharsh Ashok Dixit
Student: Susan Simons | 183701154

The objective of the course is to impart knowledge and develop understanding about steel as a building material for the design and construction of steel structures, and also to acquaint with the construction practices pertaining to meta building components



Metal Frame And Roof Systems

Architectural Design and Detailing V

Faculty: Prof Sarmistha Chatterjee

Student: Bhavna Choudhury | 183701022

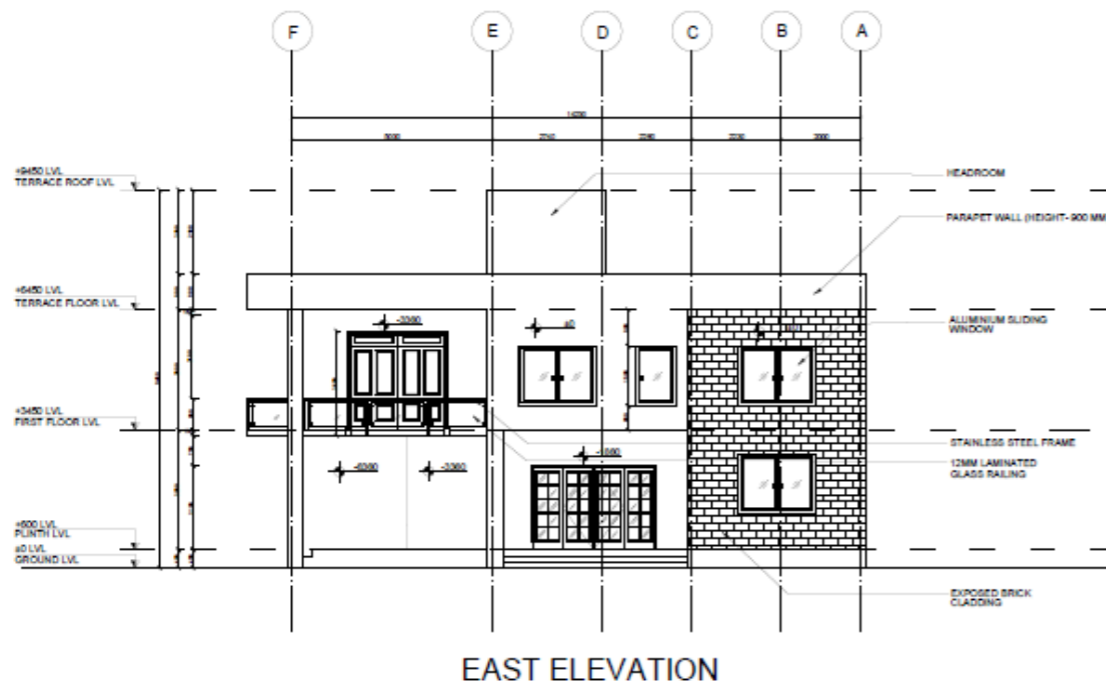
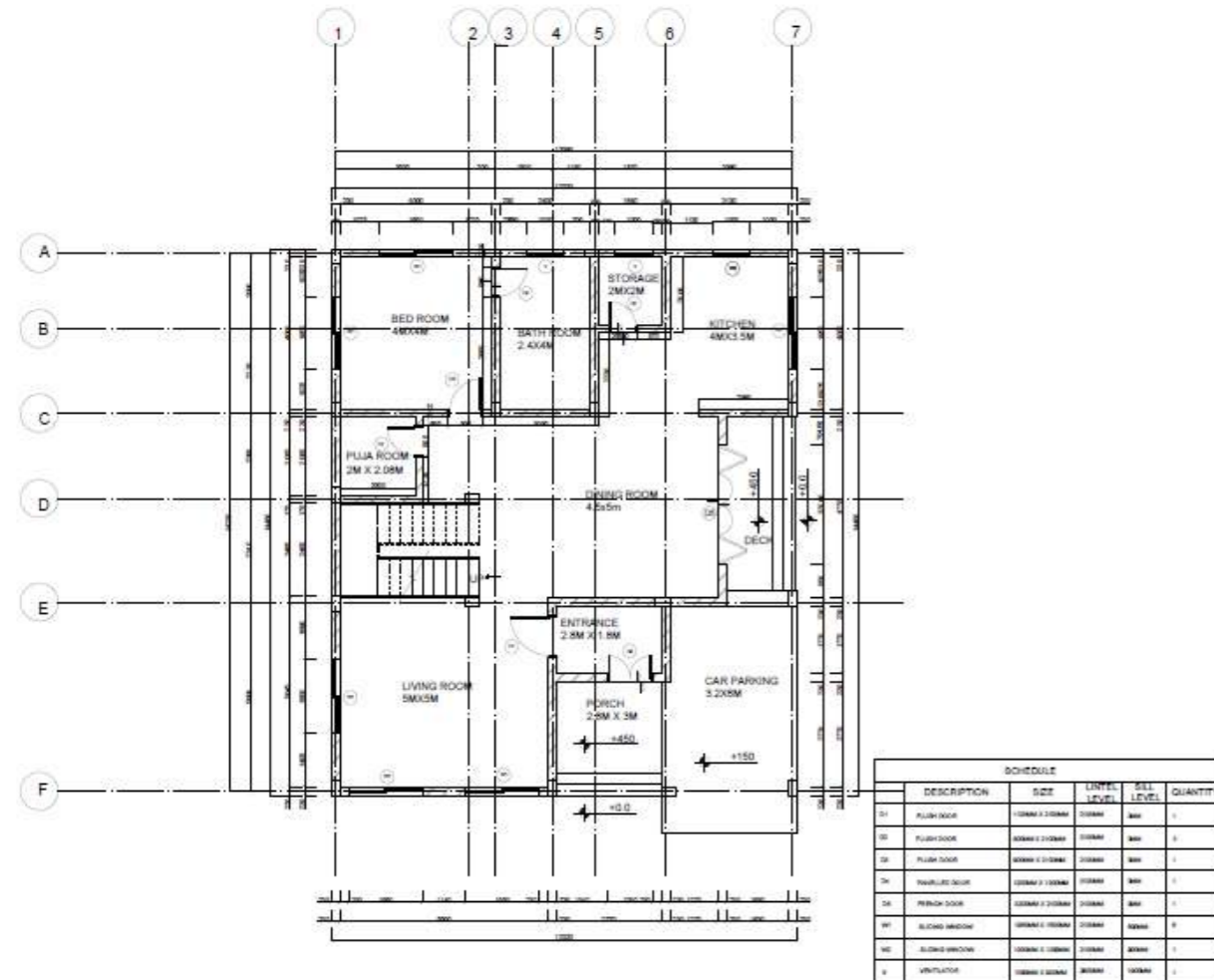
This course would provide knowledge and essential skills to understand the concepts of green buildings, credits and assessment systems and to develop design program towards sustainable development. The course will also prepare students with requisite knowledge to understand and analyse the best practices in sustainable and green buildings through case studies. This course will equip students to evaluate sustainable design from site planning to built form, indoor environment, Energy conservation and design optimisation and to represent all the principles and features of green building and sustainable techniques in design.



Working Drawing I

Faculty: Prof Shantanu Chitgopkar

Student: Vegesna Manvitha | 183701088



EAST ELEVATION

Principles of Urban Design



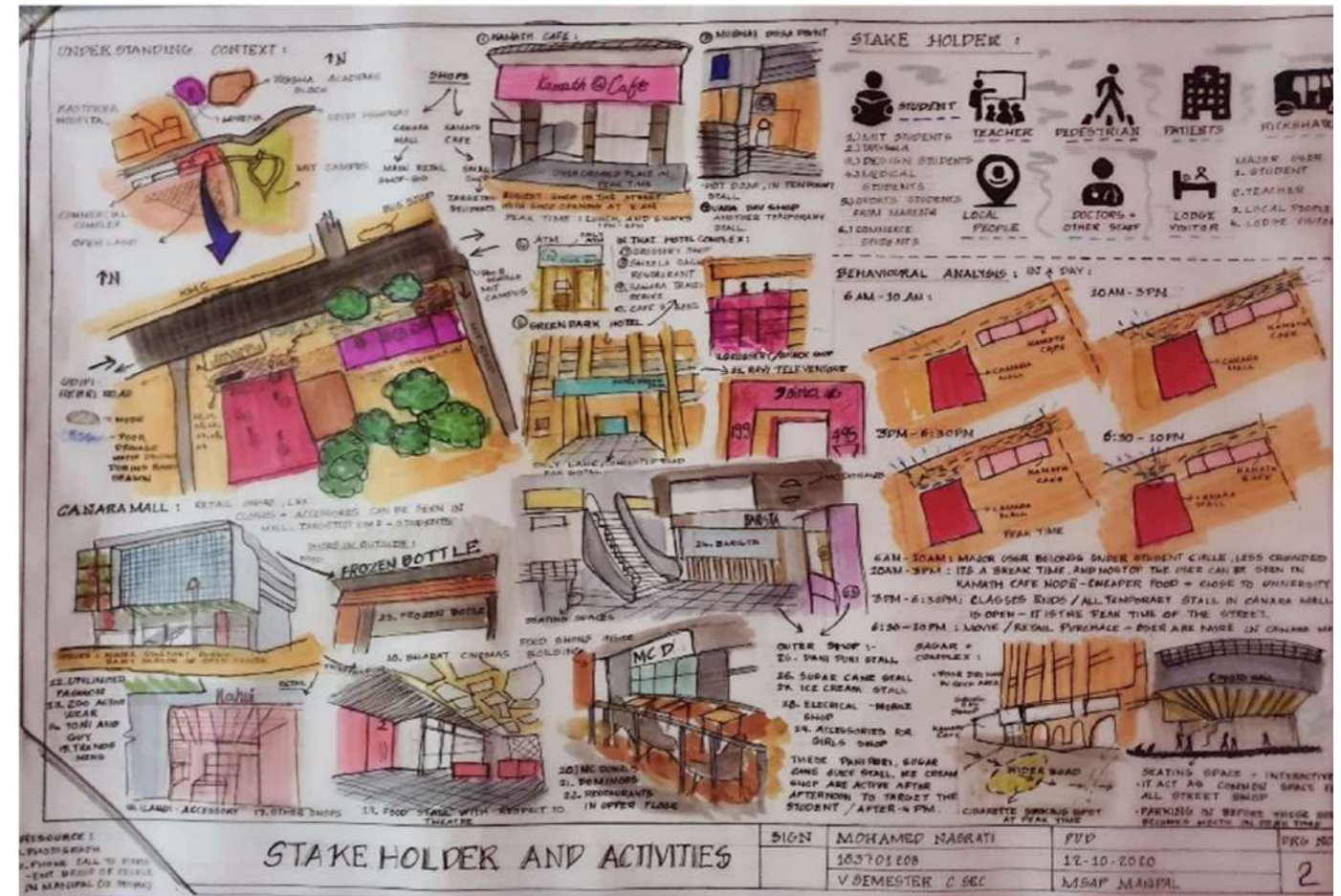
Student

Faculty: Prof Akshatha Rao

Student: Mohamed Nasrat | 183701208

Assignment Brief :

Analyse the existing scenario from Kamath Café to Canara mall- Manipal, Karnataka). Identify the existing issues through sketches based on various stake holders and User Activities.

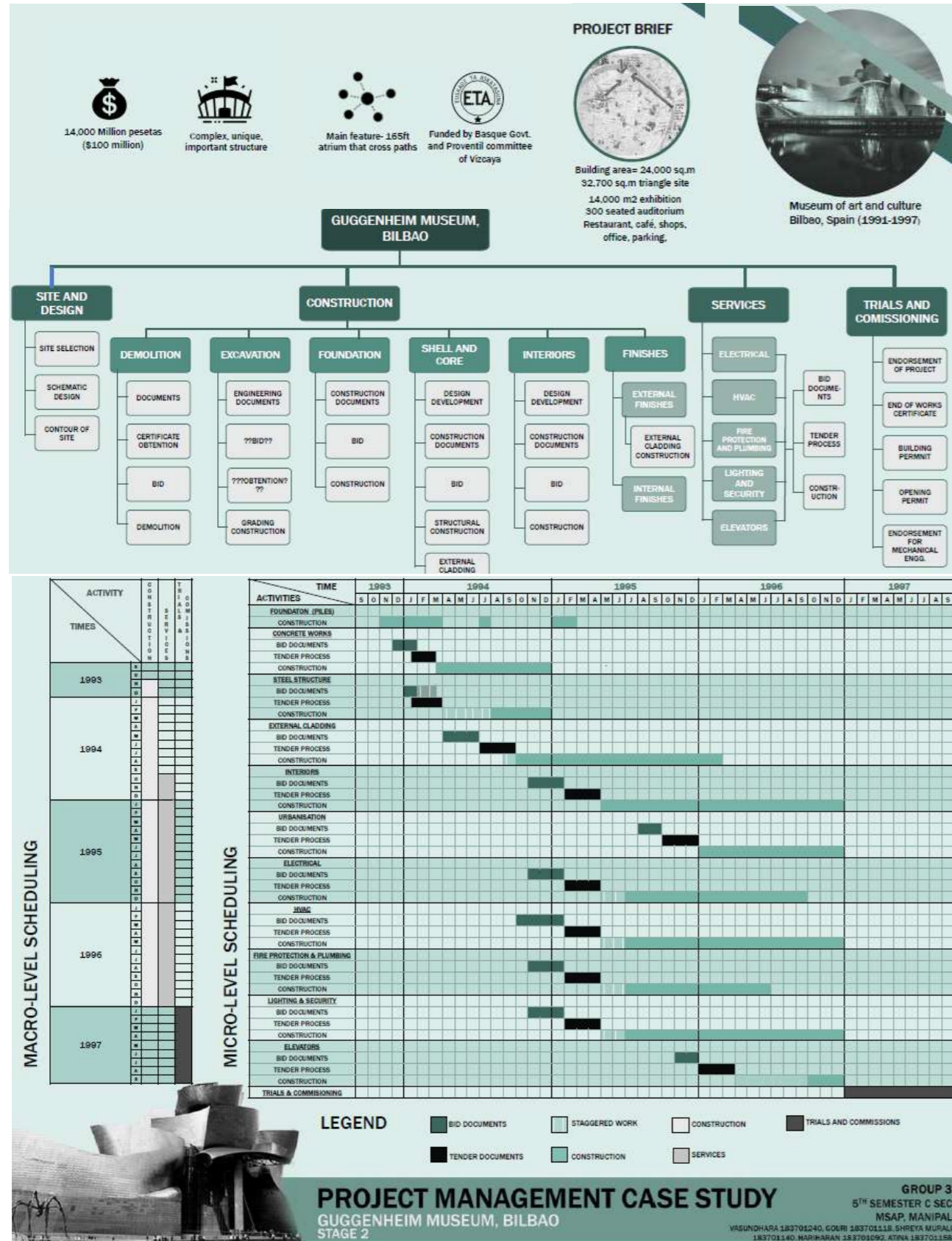


Approach :

- 1) Understanding the context
- 2) Identifying the major stakeholders
- 3) Identifying the nodal points within the given radius
- 4) Analyse using behavioral mapping, legibility analysis and Kevin Lynch principles

Project Management

Faculty: Prof Arunabha Bandyopadhyay
Student: Vasundhara & Team



History of Built Environment - V

Indo-Islamic and Colonial Architecture



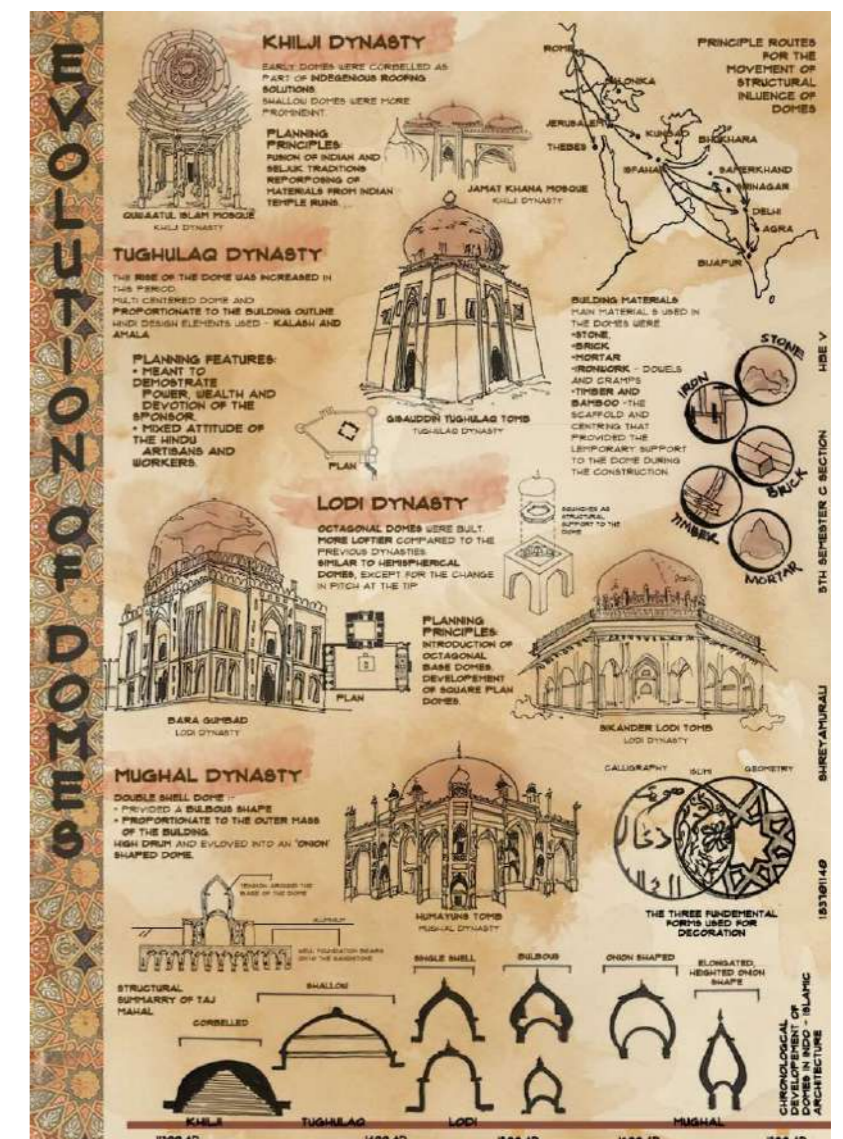
Student

Faculty: Prof. Prarthana Narendra
Student: Shreya Murali | 183701140

Assignment Brief: Poster composition showing evolution of respective Indo-Islamic architectural elements from Delhi Sultanate to Provincial Architecture (Min. three dynasties).

Aim:
Trace the architectural evolution through various dynasties and highlight the architectural features and building construction techniques.

Approach:
After choosing a specific architectural element - Domes, a comprehensive study about its evolution through various dynasties was done. This research and data was further summarized in a comparative timeline.



Evolution of Domes in Indo-Islamic Architecture

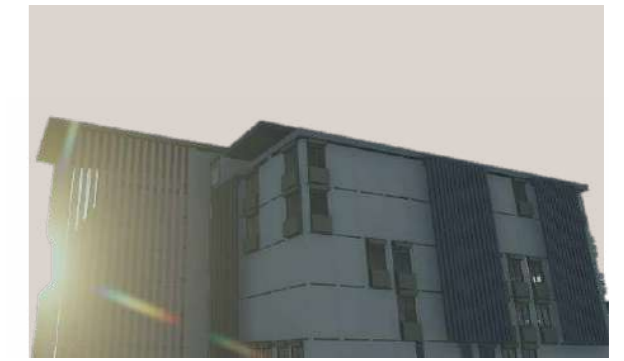
Architectural Design and Detailing- VI

Faculty: Prof. Purushottam Kesar
 Student: Riya Kulkarni | 173701104



Student

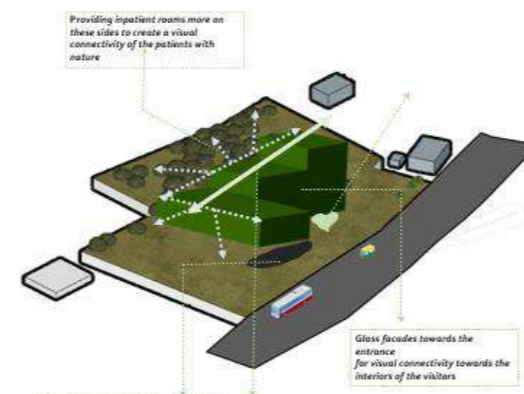
Multispecialty district hospital proposed on a 1.1-acre land in Ambagilu on the outskirts of Udupi. The site has two blocks, one being the main hospital block consisting of consultation rooms, emergency department, wards, laboratories, parking etc. and the other block consisting of residential stay quarters for the staff. The concept involved in the construction of the hospital involving planetree principles for design which involved open spaces with large window openings in public areas and semi open areas for the patients with interactive spaces and the involvement of green spaces while designing. A total of 150 beds were proposed in the hospital.



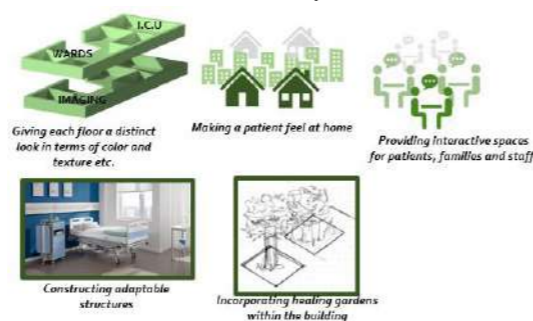
Views



Master plan with ground floor plan



Form development on site



Concept development with planetree principles



Section



South Elevation

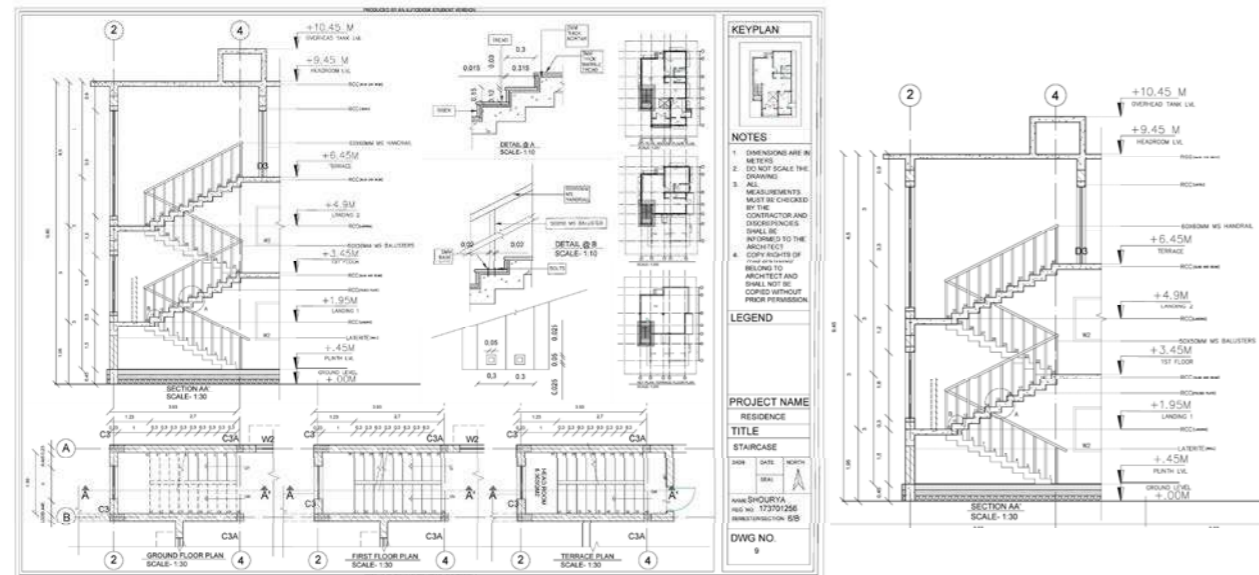
Working Drawing & Detailing II

Faculty: Prof. Shantanu Chitgopkar
 Student: Shourya Keluskar | 173701256



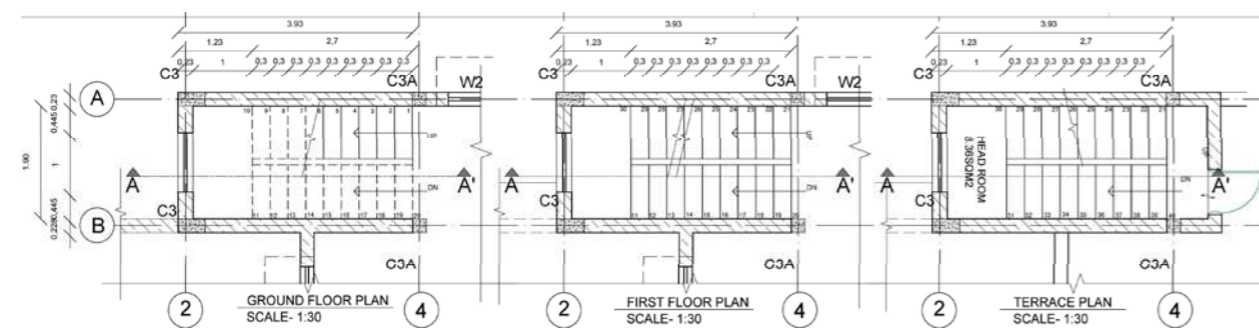
Student

The set of drawings shown below are prepared for the construction and execution of a staircase in a residential project, The drawings provide detailed dimensions, use of material and joinery details for the same.



Working drawing full sheet: Staircase details

Section through staircase



Plans at every floor

Structural and Construction Systems VI

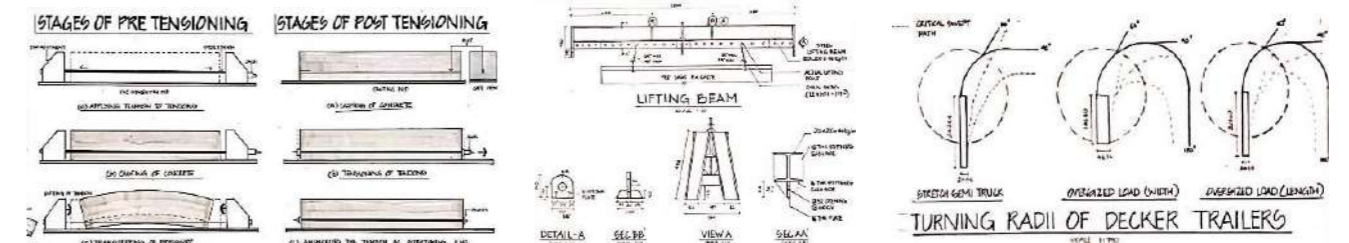
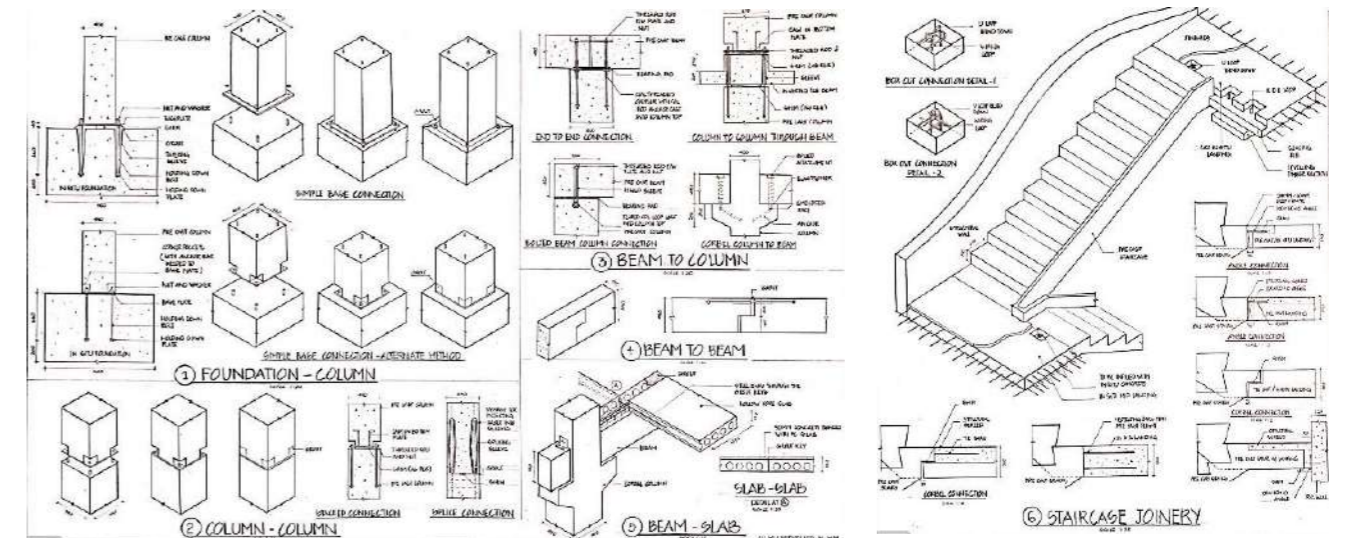
Pre-fabricated Construction Systems

Faculty: Prof. Sanjana Shetty
 Student: Archana Sivaprakash | 173701050



Student

The course explores and investigates the aspects of a pre-fabricated construction systems, from the various typologies, components, joineries and technical detailing, to give insight into the workings and practical applications of such a construction system.



Hand-Drafted Details



Scaled Model Making Process Documentation

Principles of Housing and Economics

Faculty: Prof. Kumar Vyomkesh
 Student: Gayathri Panikar | 173701022



Student

This course aims to provide knowledge on the various housing related schemes, issues, legislations, finance in India. Incremental Housing is defined as gradual step by step process in improving housing while maintaining low costs as resources are available. It aims to preserve the social network and localities. With government support, more safe legal dwellings would develop with tenure security. The government and households form a symbiotic relationship that provides resource that the other lacks. This provides an opportunity to regulate the informal urban development.



Fig1. Resources required in order to implement Incremental Housing

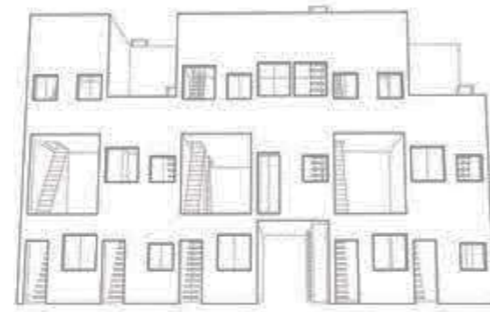


Fig2. Housing Typologies

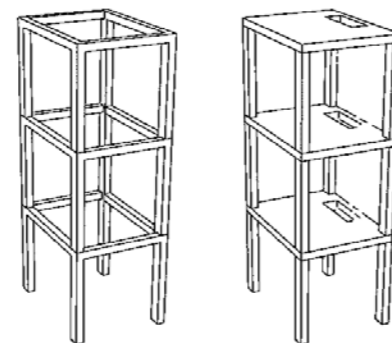


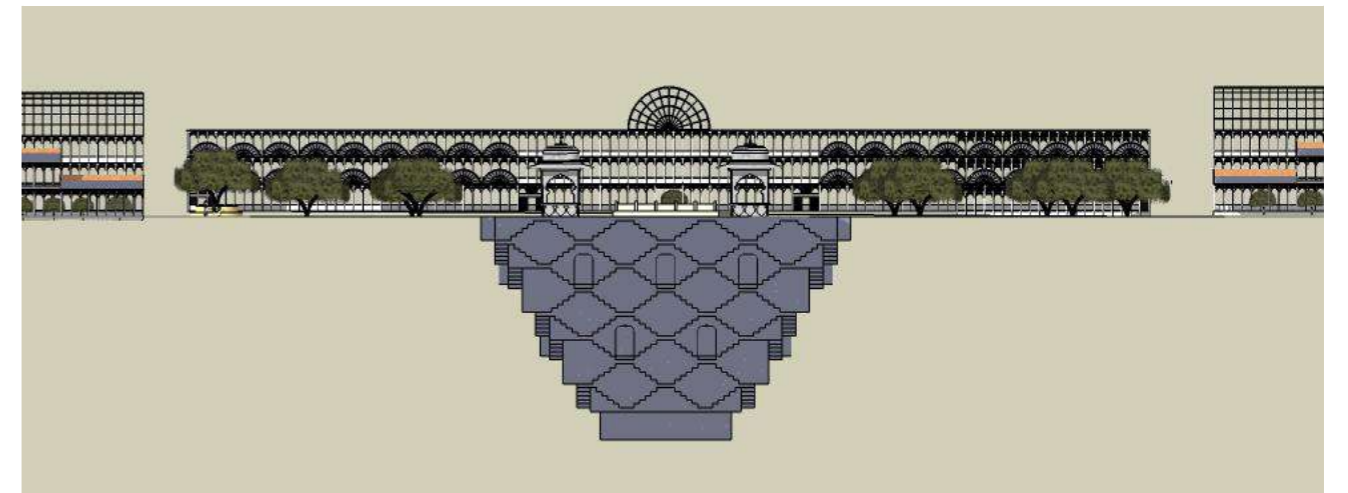
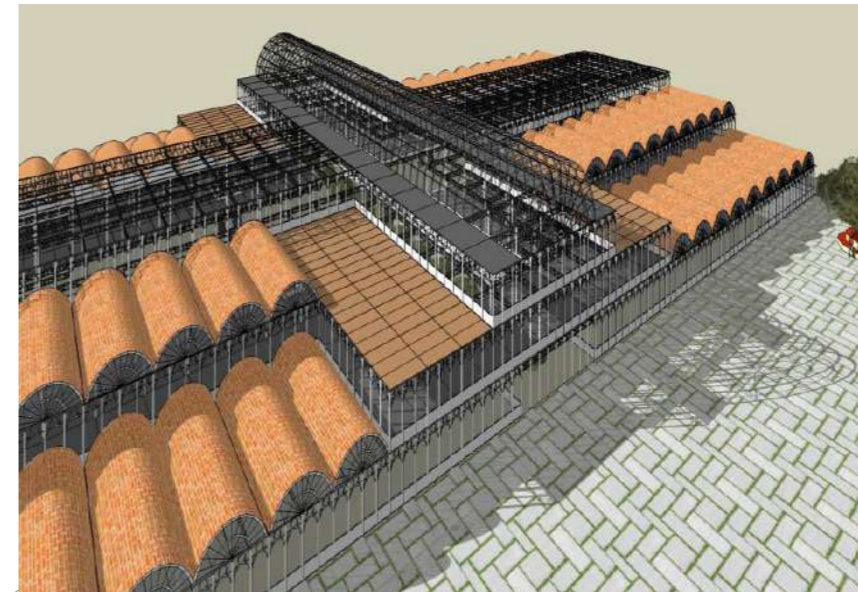
Fig3. Core House Model

Microfinance is an evolved economic development approach intended to benefit low income population. It refers to small scale financial services provided to owners of small or micro enterprises. It covers services including savings, insurance, finance literary training for the economically active poor. This helps poverty reduction.

Contemporary Built Environment



exhibition is modified according to the Indo



Research Techniques

Faculty: Prof. Prarthana Narendra
Student: Tanishka Mittal | 173701280

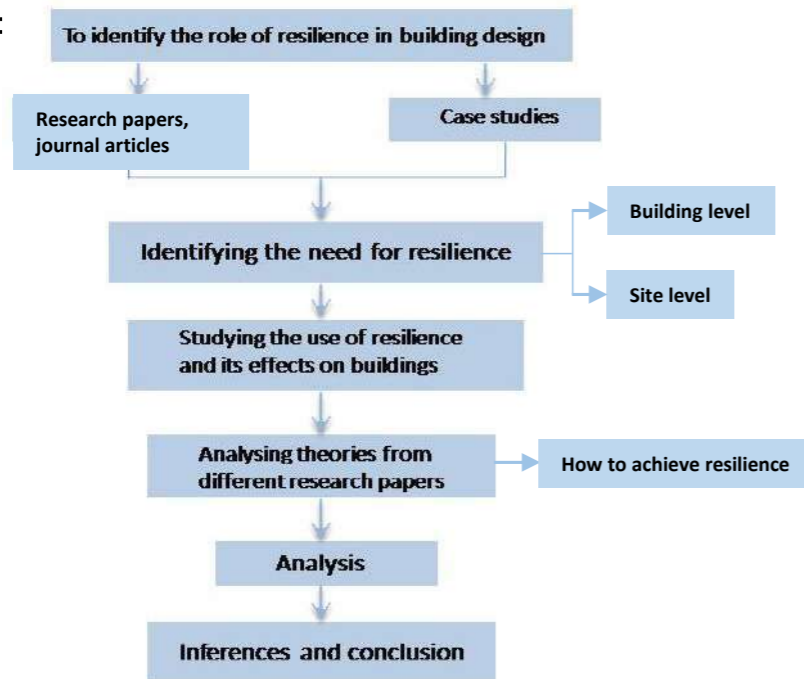


Aim:
To understand the role of resilience involved in building design for the future.

Objective:

- Case studies on already built or to be built designs
- Understanding the theory of resiliency
- Role of resilience in community level

Methodology:

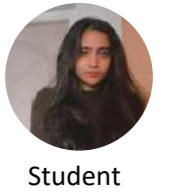


Conclusion :

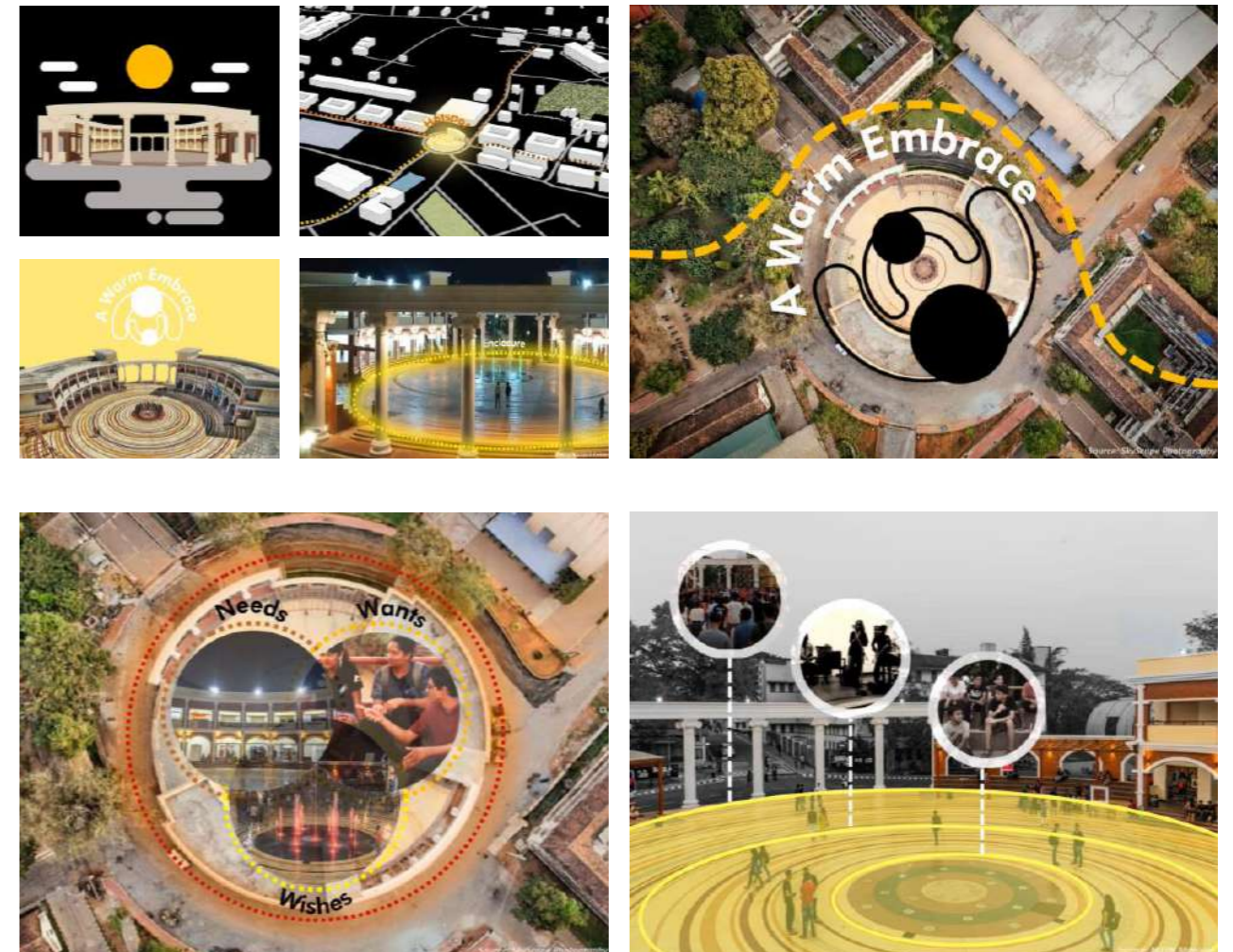
Resilient architecture is a broad aspect which is still new and thus new theories and technologies will keep coming up. Study of Climate change will directly be helpful to achieve resilience. On a building level, study of, nodes, circulation, natural disasters, local materials, construction techniques, people's lifestyle and tradition is required. Awareness about resilient architecture should be spread to the public so that a larger population will be willing to convert their houses and offices into a resilient design.

Spatial Narratives

Faculty: Prof. Sarmistha Chatterjee
Student: Archana Sivaprakash | 173701050



The assignment aimed to explore the micro-narrative of the chosen site of the Student Plaza within the MIT Campus to capture its essence through the lens of user perspectives, spatial appropriation, etc., thus providing an insight into the vibrant socio-cultural context of the space, and present the same in the form of an online blog.



Snippets from the video documentation that envisions the Student Plaza as a "Warm Embrace" to the students of the campus

Urban Context Studio

Revitalization of an Urban Market

Faculty: Prof. Purushottam Kesar

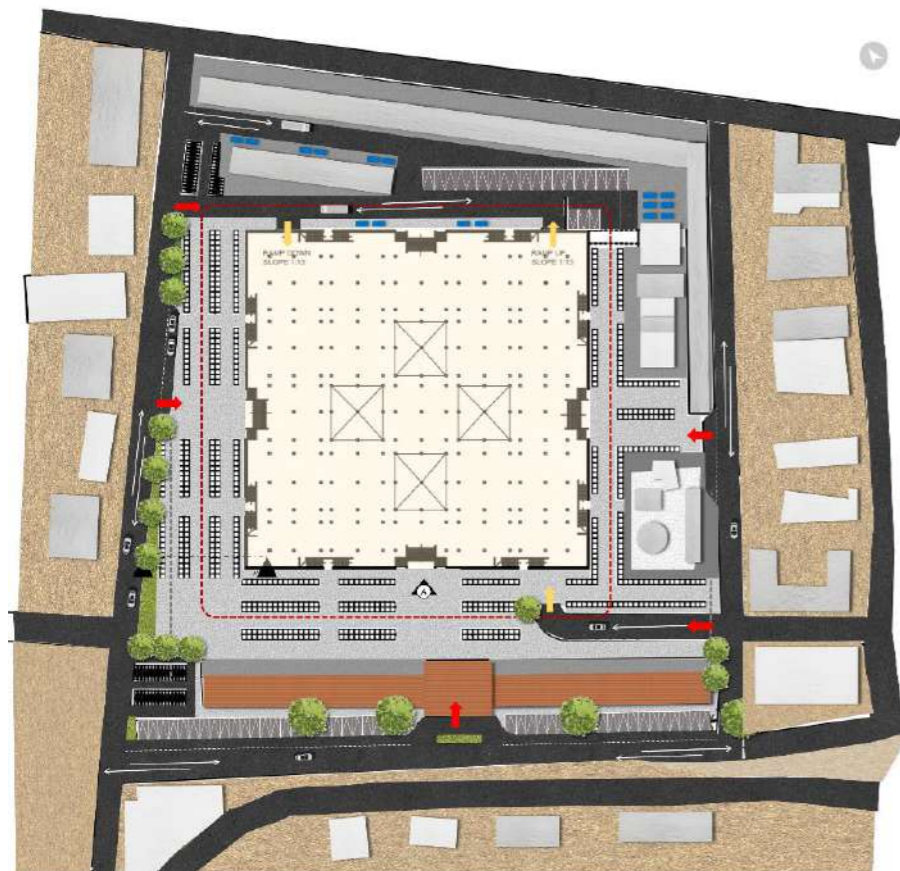
Student: Archana Sivaprakash | 173701050



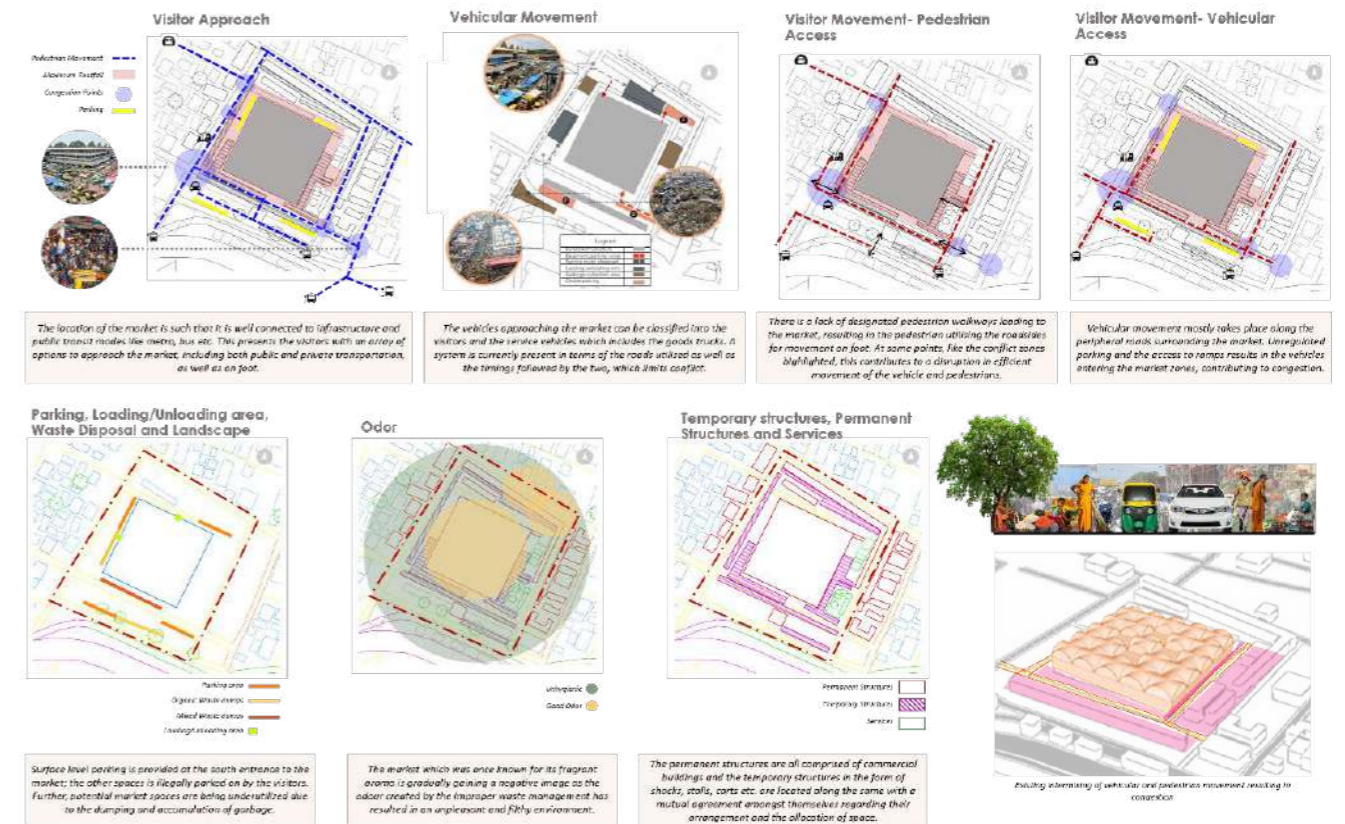
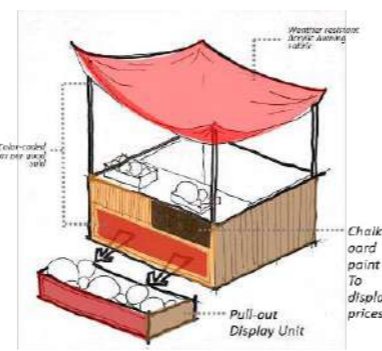
Student

The key identity of the famous KR market in Bangalore is primarily that of a vibrant flower market. However, there is a threat being posed to this identity triggered by inconsiderate planning strategies that revolve around completely removing the encroachments, which is the key contributor to the bustling character of the space.

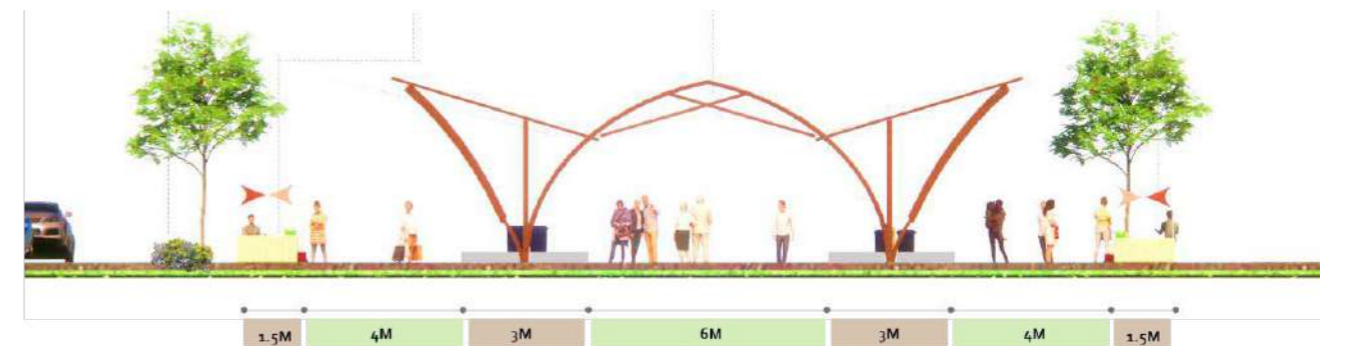
Hence, a design intervention that once again brings out the vibrancy of the market into the foreground and imparts a positive connotation to the existing negative perceptions of informal and unorganised street vending would lead the market on a path to strengthening its resilience as an economic hub. The design exercise thus aimed to envision KR Market as a resilient economic hub through inclusive planning and sustainable infrastructure development to create a convivial visitor experience



Spatial Reconfiguration of KR Market



Market Site Profiling



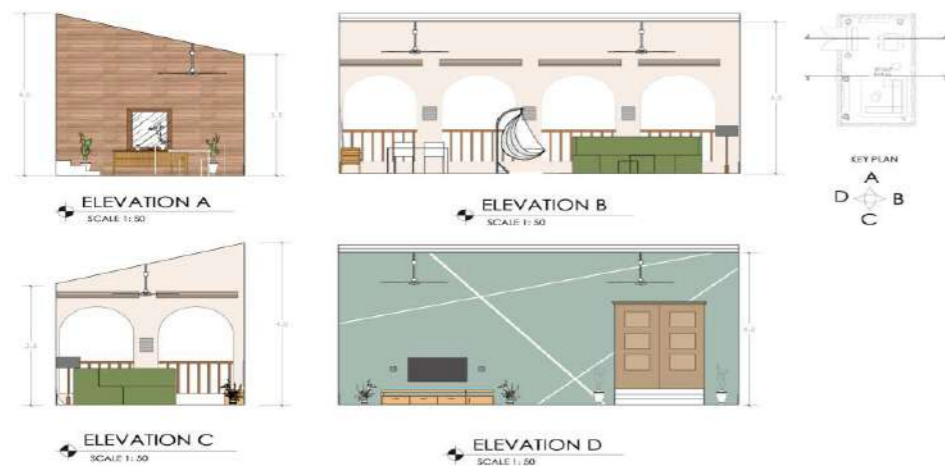
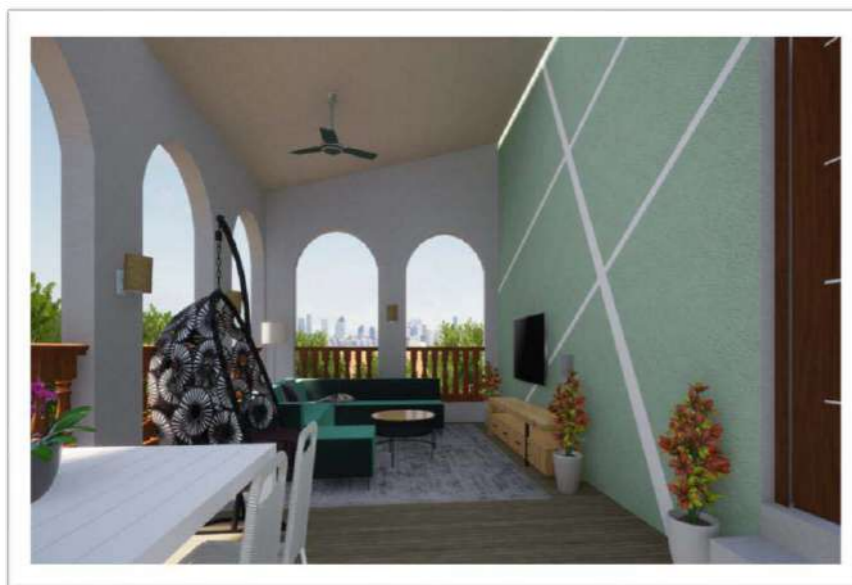
Market Section



Interior Design and Detailing



The subject enriches our interior designing and detailing skills and teaches us the elements of design. It showcases how to design a user specific space while maintaining the sustainability of the design.



Thesis 1 - Inquiry



Faculty: Prof.Prarthana Narendra
Student: Aneesha Muthuraj | 173701078

Potential of rammed earth as sustainable construction method -A study based on the city of Madurai

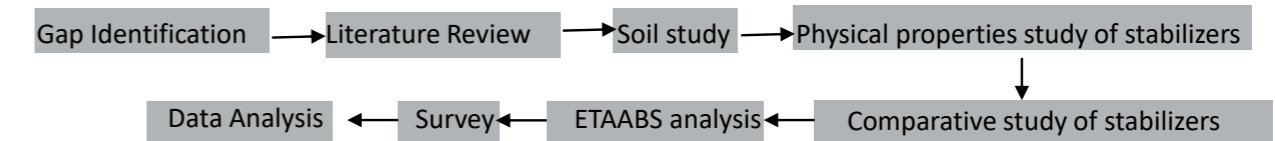
Aim

To understand the feasibility of building high rise mud buildings in the city of Madurai by focusing on organic stabilizer.

Objectives

1. To understand the limitations of rammed earth construction and explore solutions regarding the same.
2. To understand the physical properties of agricultural waste available.
3. To incorporate the waste as a stabilizer for mud in order to facilitate high rise structures (min 25m)
4. To understand people's perception of mud architecture.

Research Process



Results

1. Software variation – 1 For the first variation using unstabilized mud and no reinforcements, the standard set of loads available on ETABS available for seismic zone -2 was applied. Based on the observation, the displacement was recorded at 360 mm at Y axis and 260 mm at X axis (Fig 1)

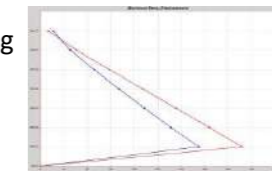


Fig 1

2. Software variation – 2 The same grid was then updated using the properties of stabilized mud and added steel columns and beams. Based on the results obtained, a significant difference could be observed. The displacement is recorded as 9mm at Y axis and 2mm at x axis.(Fig 2)

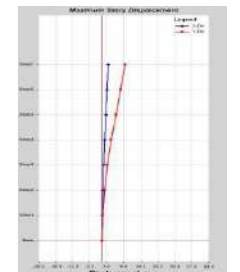


Fig 2

3. Software variation – 3 For the second variation, the same grid is used but the thickness of the walls is increased to 600mm. The maximum displacement is recorded at 2mm in the y direction and less than 1.5mm at the x direction. (Fig 3). But noticeably the stress on the lower floors are higher due to an increase in the wall thickness.

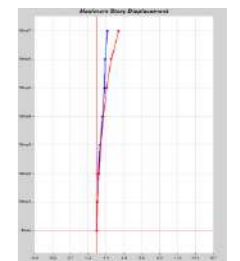


Fig 3

4. Lack of awareness about mud construction, hence the general public is wary of switching from conventional building materials to mud.

5. Even though there has been a high record in the number of people who are willing to switch to earthen architecture, there have been queries about the structural stability and comfort level of the same.

Conclusion

It can be concluded from the data collected from various experiments that there is substantial proof that agricultural waste such as bagasse fibre and bagasse ash can be used as an organic stabilizer/binder. Significant increase in compressive strength, water absorption rate, and erosion rate were observed. Feasibility studies were conducted in the form of case studies and steel reinforced rammed earth structures are explored. The case studies prove the feasibility of the construction of earthen high-rise structures.

Advanced Landscape Design

Faculty: Prof. Ajit Chandrakant Madkaiker
Student: Sneha Roy Abraham | 173701304



To identify the different landscape elements of any open space in the vicinity. The open space chosen was the 55,000 square meters community park in the residential area of Jumeriah Lake Towers, Dubai, UAE.



Axonometric View of the Park



1: Children's Play Area



2: Amphitheatre Ground



3: Fountain Area



4: Basketball Court



Paving Surfaces



Linkages – Steps and Ramps



Lighting



Signage



Advanced Acoustics and Illumination

Faculty: Prof. Amarnath Sharma
Student: Archana Sivaprakash | 173701050



Student

The assignment revolved around the designing of an acoustic treatment for the chosen space of an office conference room by exploring various configurations of materials and surface treatments to achieve the required acoustic conditions in terms of sound pressure levels and reverberation time.

Material	Volume	NRC	STC	TL	RT	Area
Acoustic Foam	100	0.9	50	25	0.1	100
Acoustic Blanket	50	0.8	40	20	0.2	50
Acoustic Panel	20	0.7	30	15	0.3	20
Acoustic Baffle	10	0.6	20	10	0.4	10
Acoustic Cloud	5	0.5	10	5	0.5	5
Acoustic Diffuser	2	0.4	5	2	0.6	2
Acoustic Reflector	1	0.3	2	1	0.7	1
Acoustic Absorber	0.5	0.2	1	0.5	0.8	0.5
Acoustic Barrier	0.2	0.1	0.5	0.2	0.9	0.2
Acoustic Gasket	0.1	0.05	0.2	0.1	1.0	0.1

Commonly used acoustic materials for the space and their NRC and STC/TL value noted in table

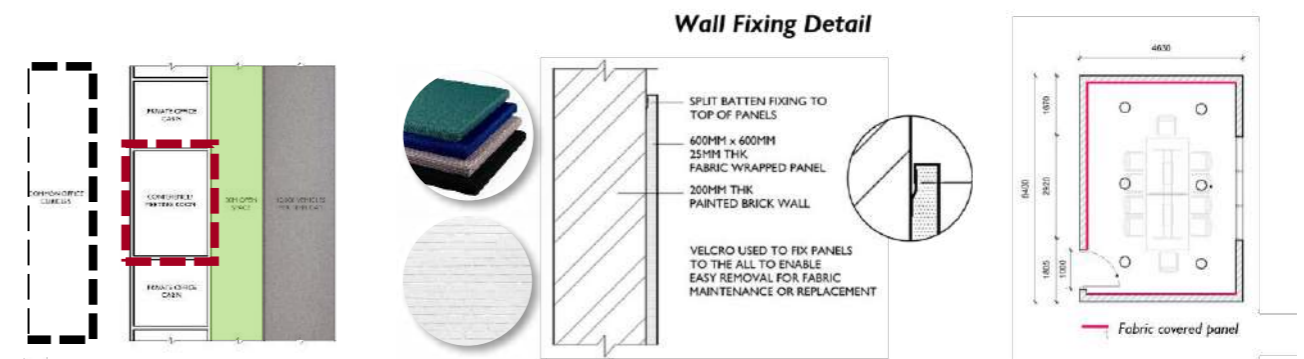
Room	Length	Width	Height	Volume	Area
Room 1	4.0	3.0	2.5	30.0	21.0
Room 2	3.5	2.5	2.0	17.5	15.0
Room 3	3.0	2.0	1.5	10.5	10.0
Room 4	2.5	1.5	1.0	3.75	6.0
Room 5	2.0	1.0	0.8	1.6	4.0
Room 6	1.5	0.8	0.6	0.72	3.0
Room 7	1.0	0.5	0.4	0.2	1.5
Room 8	0.8	0.4	0.3	0.1	1.0
Room 9	0.6	0.3	0.2	0.04	0.6
Room 10	0.5	0.2	0.1	0.01	0.4

Manually enter the Dimensions of room to automatically calculate area. Manually enter material NRC referring table to automatically calculate room sabins

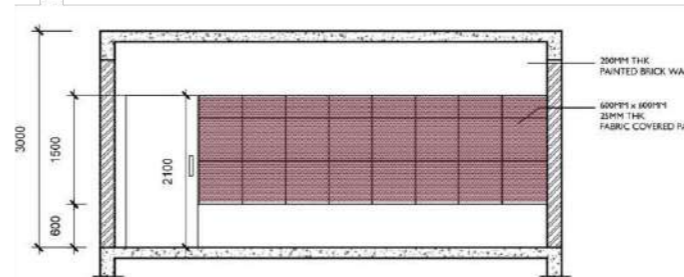
Room	Volume	RT	TL
Room 1	30.0	0.15	15.0
Room 2	17.5	0.20	10.0
Room 3	10.5	0.25	6.0
Room 4	3.75	0.30	3.0
Room 5	1.6	0.35	1.5
Room 6	0.72	0.40	0.8
Room 7	0.2	0.45	0.4
Room 8	0.1	0.50	0.2
Room 9	0.04	0.55	0.1
Room 10	0.01	0.60	0.05

Enter existing and required SPL values to calculate TL required for walls. RT is automatically calculated based on pre-calculated room sabins and room volume

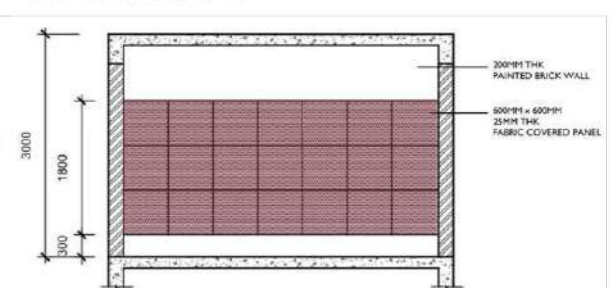
Process of creating an acoustic design solution



For Wall 2:

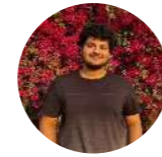


For Wall 3 and 4:



Acoustic design solution detail

Advanced Building Services



Student

Faculty: Prof. Satyaprakash Das
Student: Kabir Dole | 173701310

The given assignment was to analyze the building water supply service in commercial structures and to study about the type of system used and the components of the observed system in detail.



Summit Mall
Summit USJ, Selangor, Malaysia
6 levels + 2 Basement Levels



KidZania
Summit USJ, Selangor, Malaysia
6 levels + 2 Basement Levels



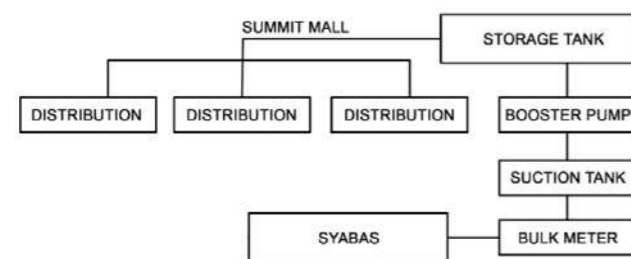
Water Suction Tanks



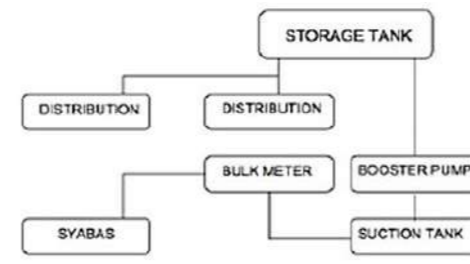
Hydro pneumatic pumps



Water Bulk Meter



Water Supply system in Summit Mall



Water Supply system in KidZania

Advanced Structures



Designed a cable structure system for parking cars.

Pneumatic Structures. Case study was done for advanced materials like Fiber Reinforced Concrete and for deep

TENSILE STRUCTURES CONFERENCE 2020
October 23

CABLE STRUCTURES
CABLES ARE OFTEN USED IN ENGINEERING STRUCTURES FOR SUPPORT AND TO TRANSMIT LOAD FROM ONE POINT TO ANOTHER WHEN USED TO SUPPORT SUSPENSION ROOFS, BRIDGES AND TROLLEY WHEELS, CABLES FORM THE MAIN LOAD CARRYING ELEMENT IN THE STRUCTURE.

SYSTEM COMPONENTS
TYPES:
• CABLE STAYED STRUCTURES
• CABLE SUSPENDED STRUCTURES

APPLICATIONS:
• BRIDGES
• ROOFS
• BEAMS
• ARCHES

FORCES OF TENSION AND COMPRESSION ACTING ON THE STRUCTURE
PLAN OF CABLE STRUCTURE
FRONT ELEVATION
SIDE ELEVATION

PNEUMATIC STRUCTURES
MEMBRANE STRUCTURE WHICH CARRIES LOAD DEVELOPED FROM TENSILE STROCES

SYSTEM COMPONENTS
TYPES:
• AIR SUPPORTED STRUCTURES
• AIR INFLATED STRUCTURES
• PRINCIPLES & ORIGIN

APPLICATIONS:
• SPORTS AND RECREATIONAL CENTRES
• MILITARY STRUCTURES
• EXHIBITION AND CONVENTION CENTRES
• STRUCTURES FOR BOTANICAL GARDENS
• TRAVERSING BRIDGE STRUCTURES

ARCHITECTURAL CHARACTERISTICS:
• SUSTAINABLE
• COST EFFECTIVE CONSTRUCTION
• ECO-FRIENDLY

STRUCTURAL CHARACTERISTICS:
• SEISMIC RESISTANCE
• LONG SPAN STRUCTURES

MATERIALS:
• STAINLESS STEEL
• REINFORCED CONCRETE
• RUBBER
• PIPE

ARCHITECTURAL CHARACTERISTICS:
• EFFICIENT
• COST VARIOUS
• PERFORM MULTIPLE FUNCTIONS

APPLICATIONS OF TENSEGRITY IN:
• ARCHES
• ROOF STRUCTURES
• TOWERS
• BRIDGES
• BONES

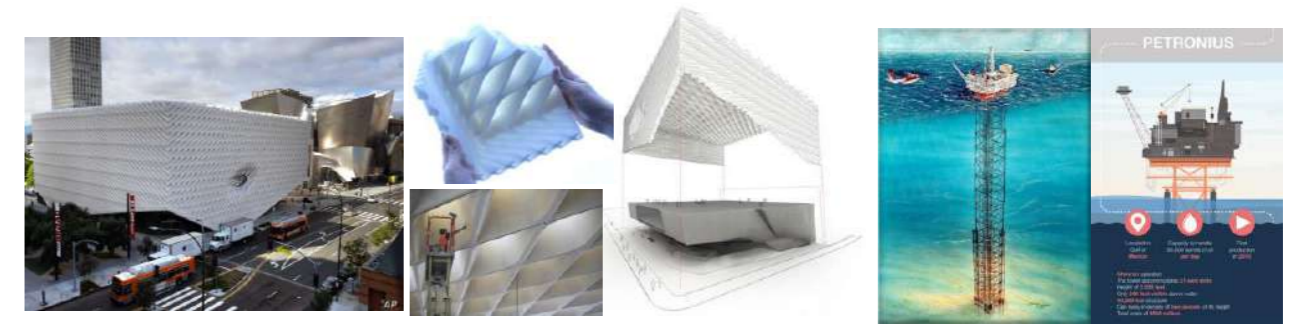
MATERIALS:
• HEAVY DUTY METAL LIKE STEEL AND TITANIUM

STRUCTURAL CHARACTERISTICS:
• EASY TO UNFOLD
• NO DEPENDENCE ON GRAVITY
• SELF-STABLE
• NO TORQUE, TORSION OR BUCKLING

ARCHITECTURAL CHARACTERISTICS:
• LOW COST
• QUICK CONSTRUCTION AND DEMANTLING
• PORTABILITY

STRUCTURAL CHARACTERISTICS:
• LIGHTWEIGHT
• COVERS LARGE SPANS WITHOUT INTERNAL SUPPORT

MATERIALS:
• ENVELOPE MATERIAL - FIBRE GLASS, POLYESTER, ETFE, NYLON
• ANCHOR MATERIALS - STEEL CABLES, BALLASTS



Thesis-II Project – Museum and cultural centre at Chitradurga.

Faculty: Prof. Sonali Walimbe
 Student: Venkatesh S N | 163701004



Student

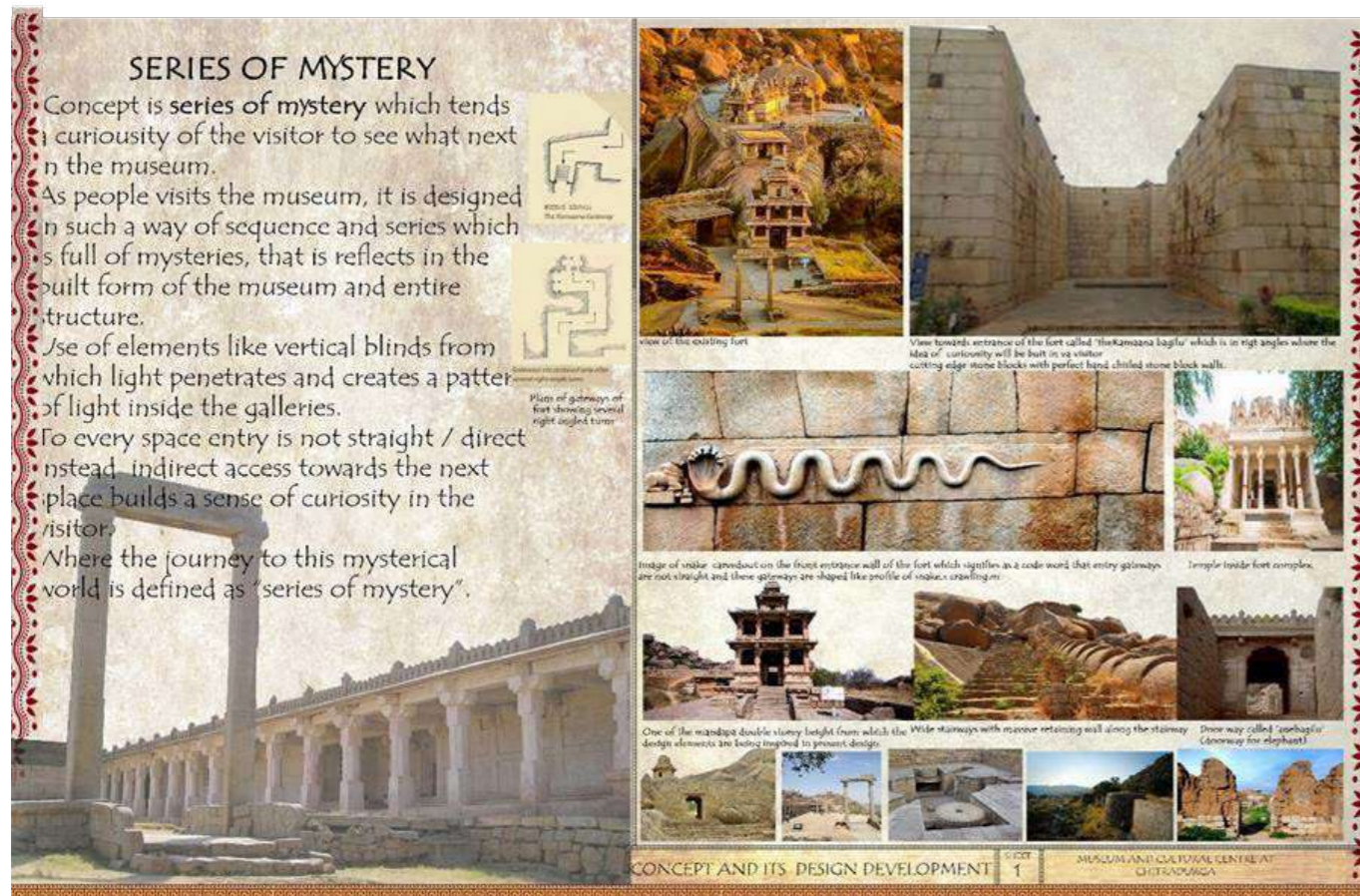
Project is proposed in an area of 3 acres in the center of the city within the proximity of the Chitradurga fort in Karnataka. The project consists of a museum and a cultural center. The Museum consists of the display halls which are further divided into permanent display and temporary display galleries. The Cultural center comprises of an Exhibition hall for the artists to display their artwork and provisions to facilitate dance classes, art classes with a common cafeteria. The project also consists of an open-air theatre with 400 seating capacity. Museum is based on the theme of history of the fort and native culture of Chitradurga. Architecturally incorporated the elements inspired from the existing fort.



Masterplan at ground floor level.



Site sections



Concept and design development.



Exploded views of roof, murals on walls ,exterior and interior views.

Tall Buildings.

Faculty: Prof. Trupti Amit Kinjawadekar
 Student: Jane Maria Mendonca | 163701192

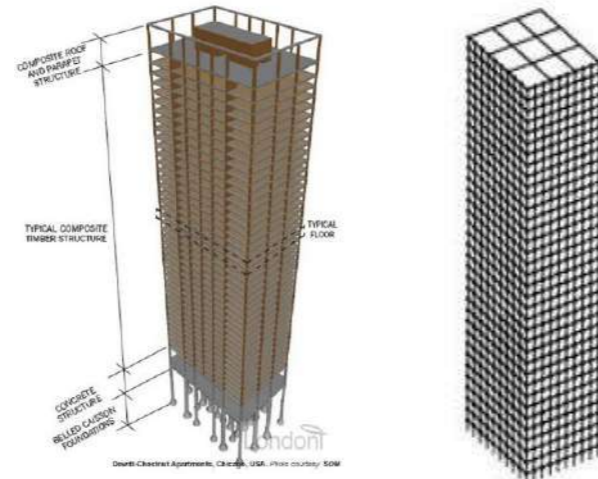


Student

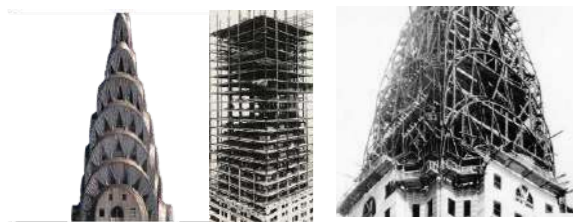
“The desire to reach sky runs deep in our human psyche”. Tall buildings construction has increased rapidly in metropolitan cities. The subject gives an overview of different attributes of tall buildings, structural systems and forces, building services, socio cultural and environmental concerns supported by a case study.



The Chrysler Building



Framed tube structural system



With its sky-piercing spire, its sleek, metallic ornament poking out over the streetscape, and its luxurious marble- and metal-lined interiors.



Case Study - Chicago's DeWitt-Chestnut apartment building



Building Heritage



Focal Point



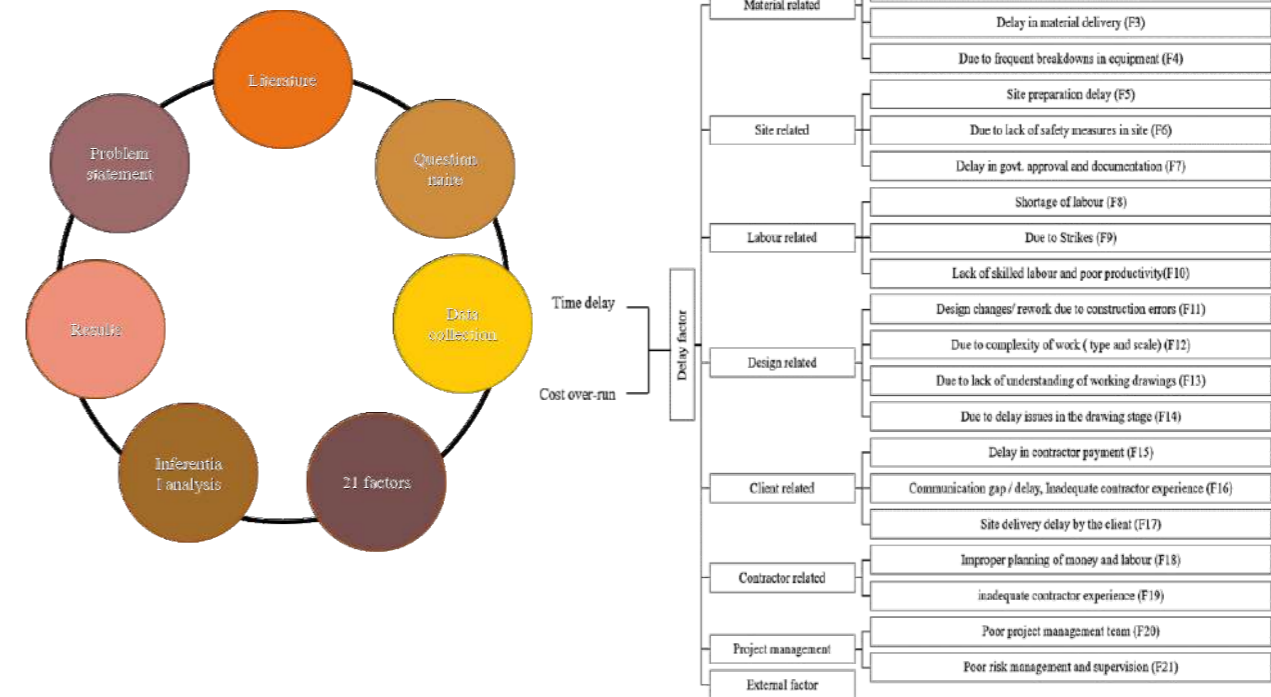
Transition



Landmark

Seminar

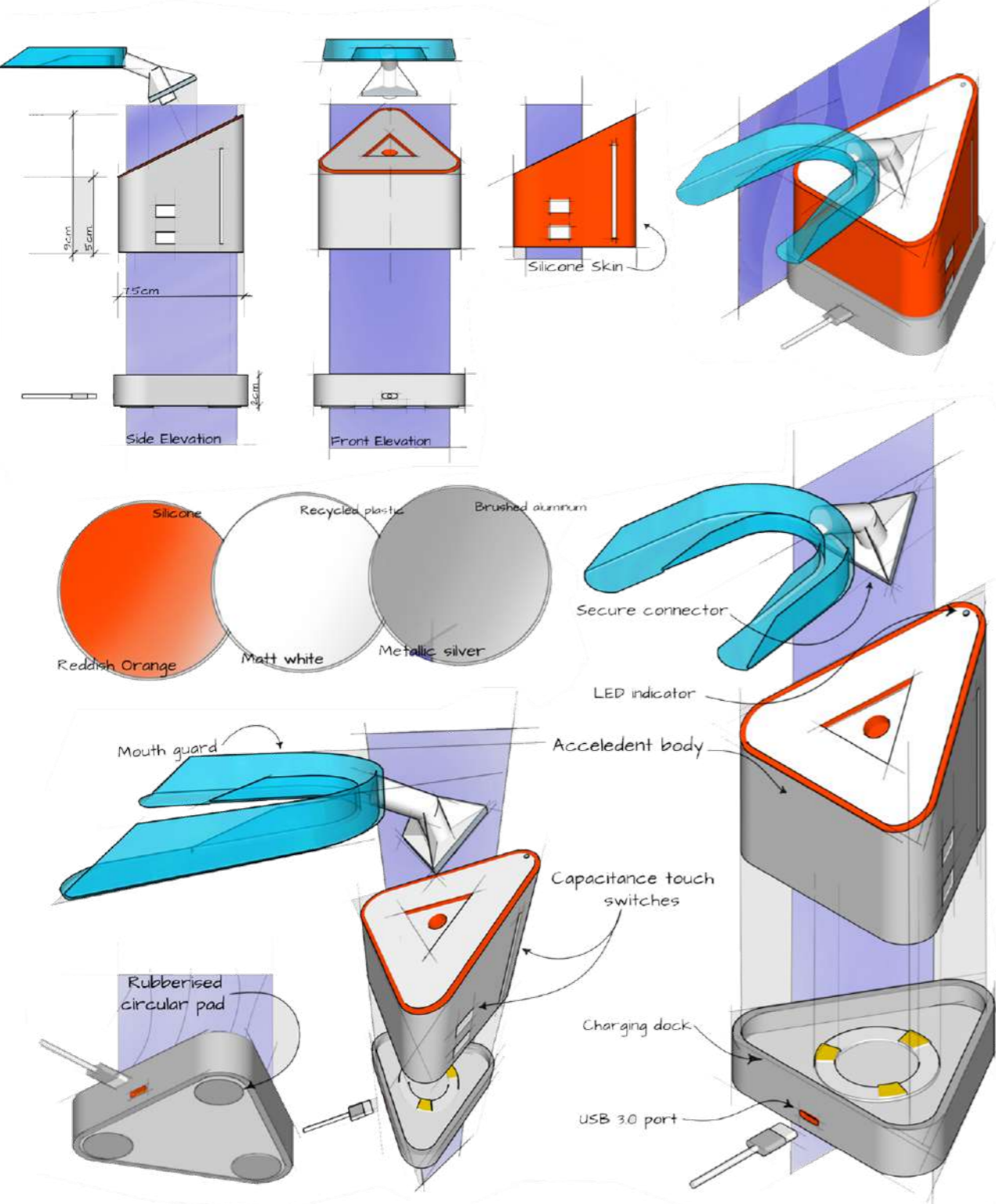
run the significant influence that contribute to delays in the construction industry, Karnataka, India



Product Design



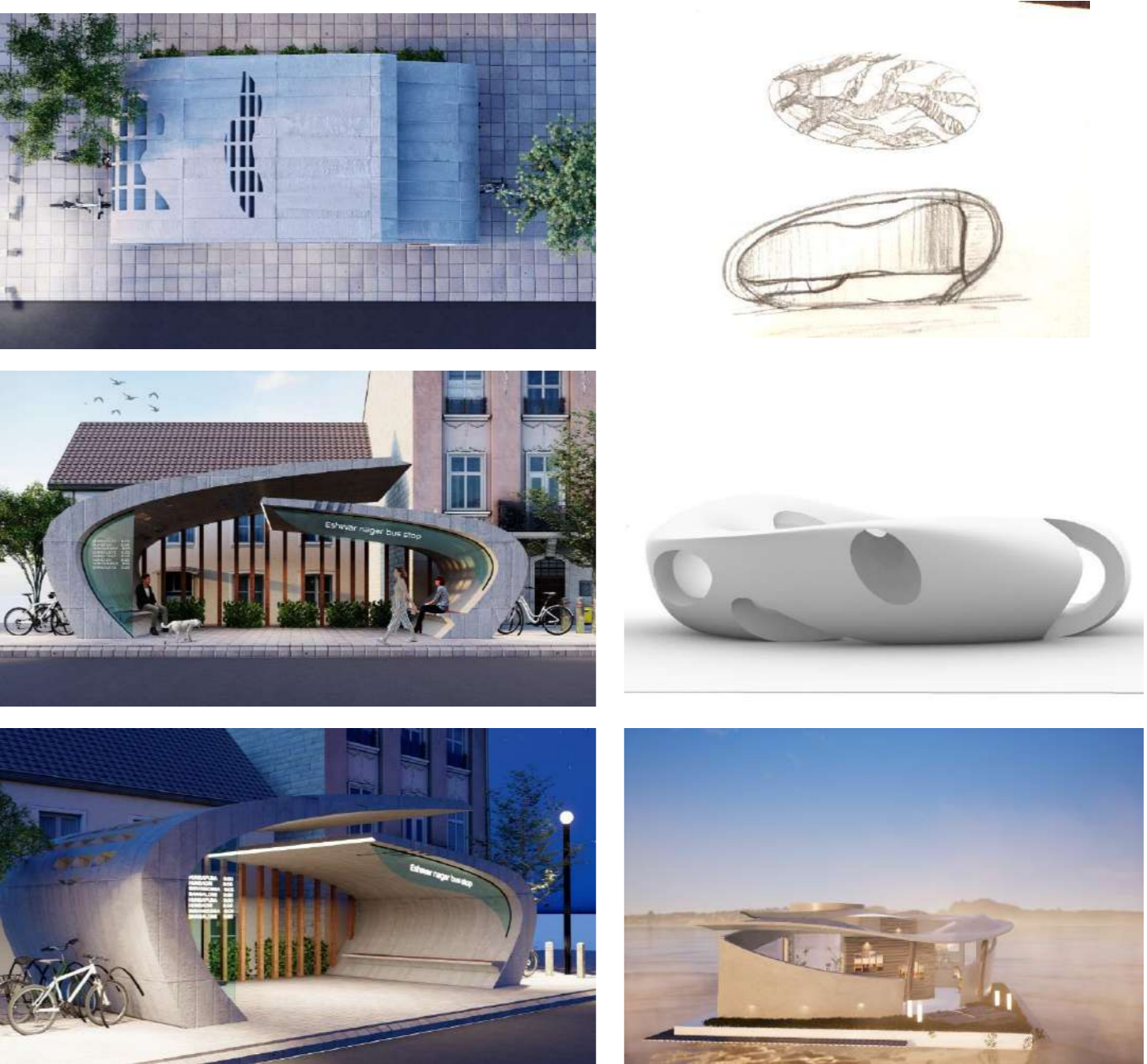
(dental device) to make it more intuitive



Digital Design



To create a bus shelter with a minimum area of 5m x 5m using Rhino tools. The bus shelter was designed for Manipal, with a focus on using the form to create shelter,



(Right) Rhino form explorations using organic and free flowing forms with a focus on using the form to create shelter, ventilation,

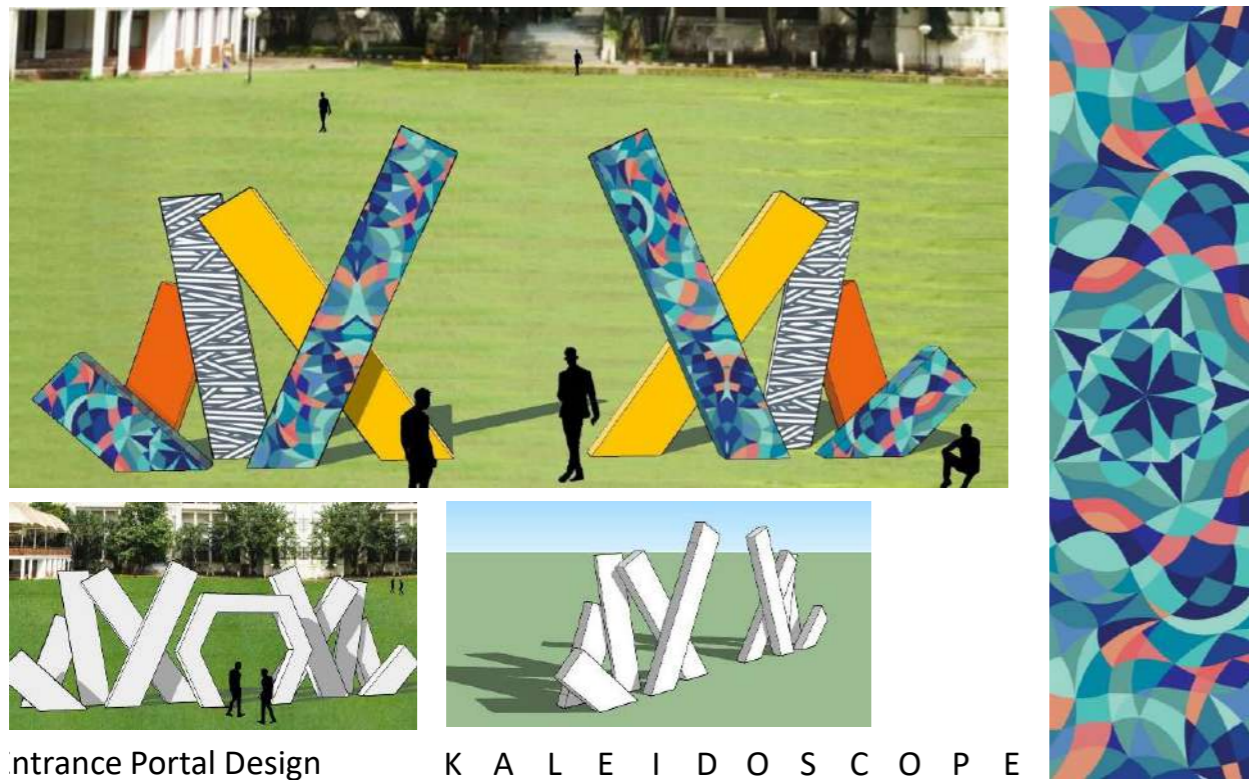
Set Design

Faculty: Prof. Supriya K
 Student: Shivangi Agarwal | 163701138



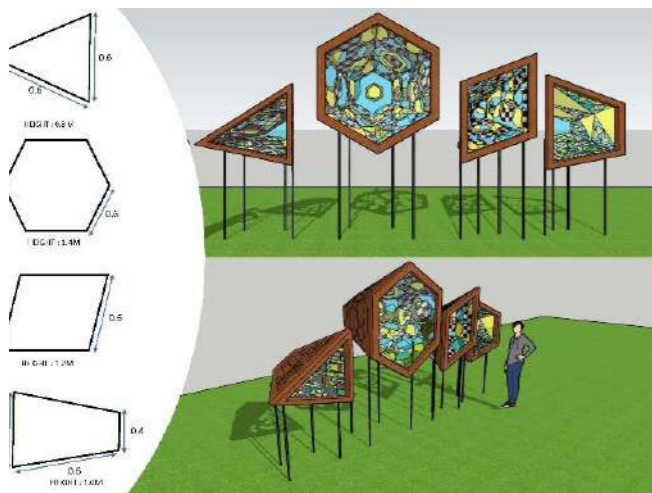
Student

Designing of Sets for the University Cultural Fest, Utsav hosted at KMC Greens. Kaleidoscope as a design concept was proposed. Its pattern, colors and shapes depict the diversity and capture the essence of the event.

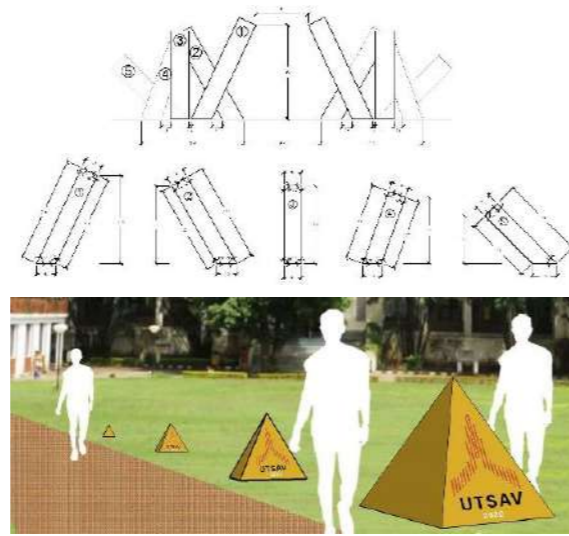


Entrance Portal Design

K A L E I D O S C O P E



Installation Design

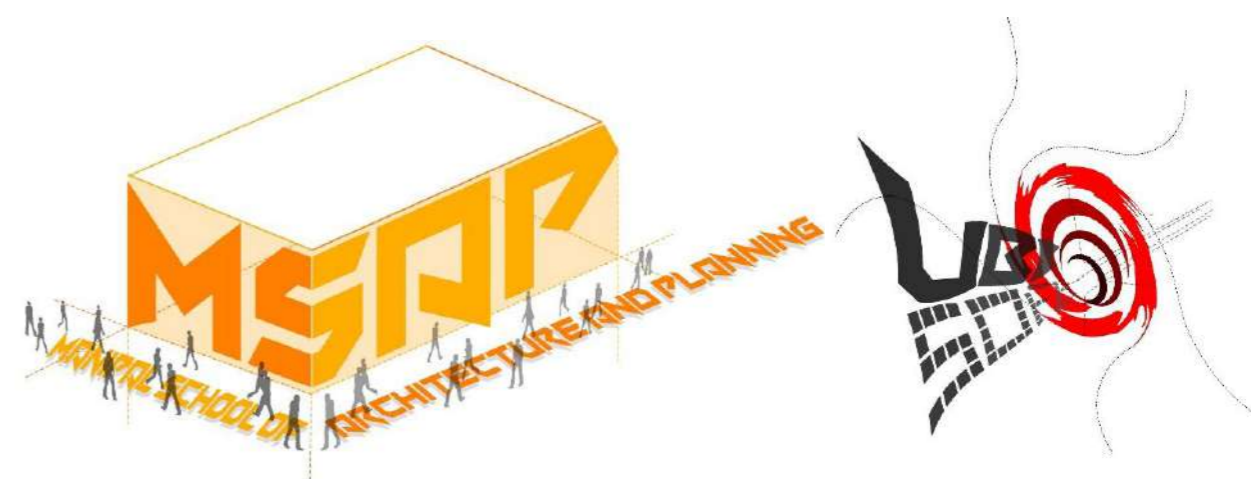


Pyramid Props with Lighting

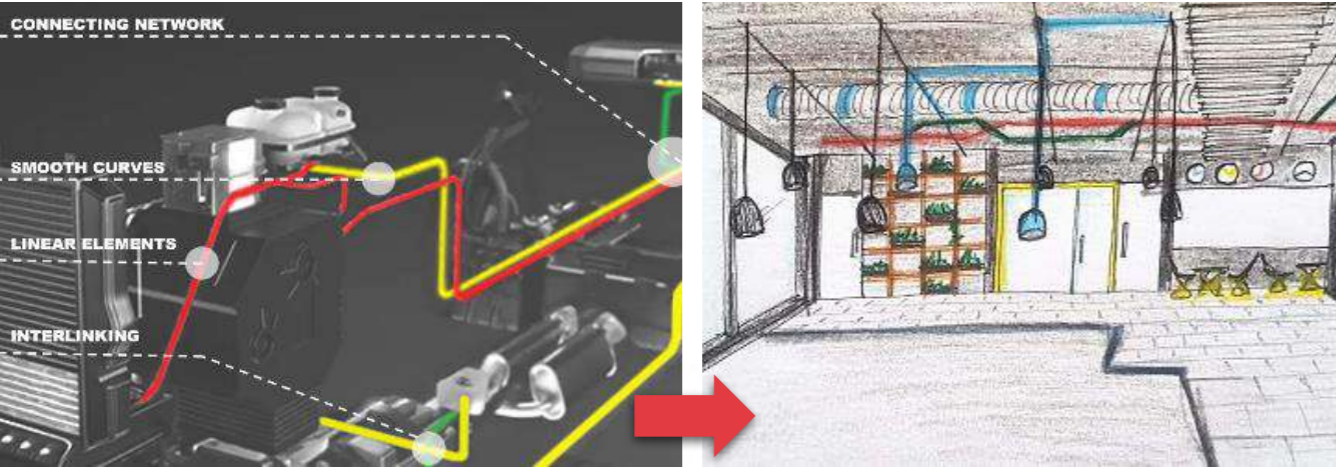
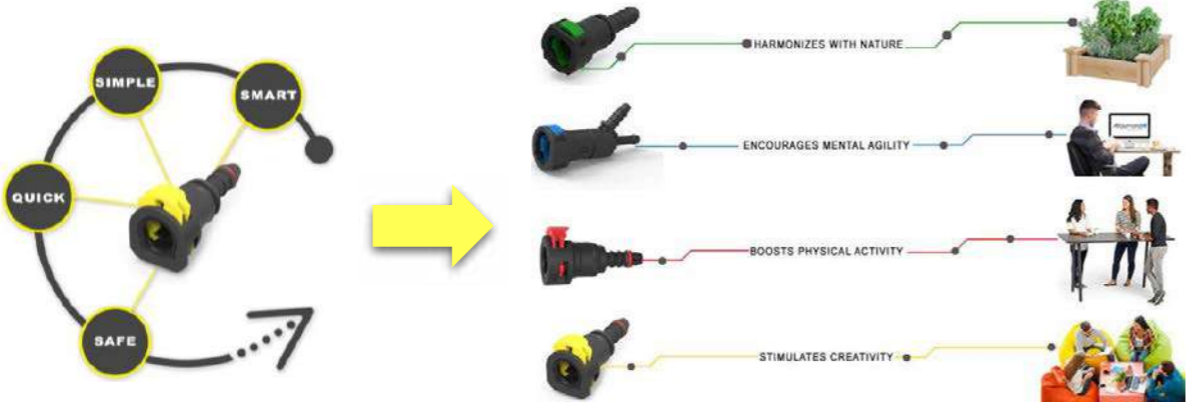
Graphic Design



Graphic design is a way to create visual content to communicate messages. Alternate movie poster design, are designed using the design principles and by creating pattern, movement, Symmetry, Repetition and rhythm.



Practical Training II



Practical Application

Conceptual Sketch



Faculty Co-ordination & Documentation Incharge :
Prof. Gouri Shenoy, Prof. Prarthana Narendra &
Student Co-ordination Incharge: Vasundhara, Shriya & Student Council

Thesis

AGUMBE RESORT

Guide: Prof. Ahmad M Mirza
 Student: Rakeen Razak | 163701015

This project of a Resort covers design problems related to tourism, site selection, case study, literature study, research etc. This project will try to incorporate all necessary facilities and will be one of a kind in Agumbe.



TOP VIEW



SITE PLAN



VIEW

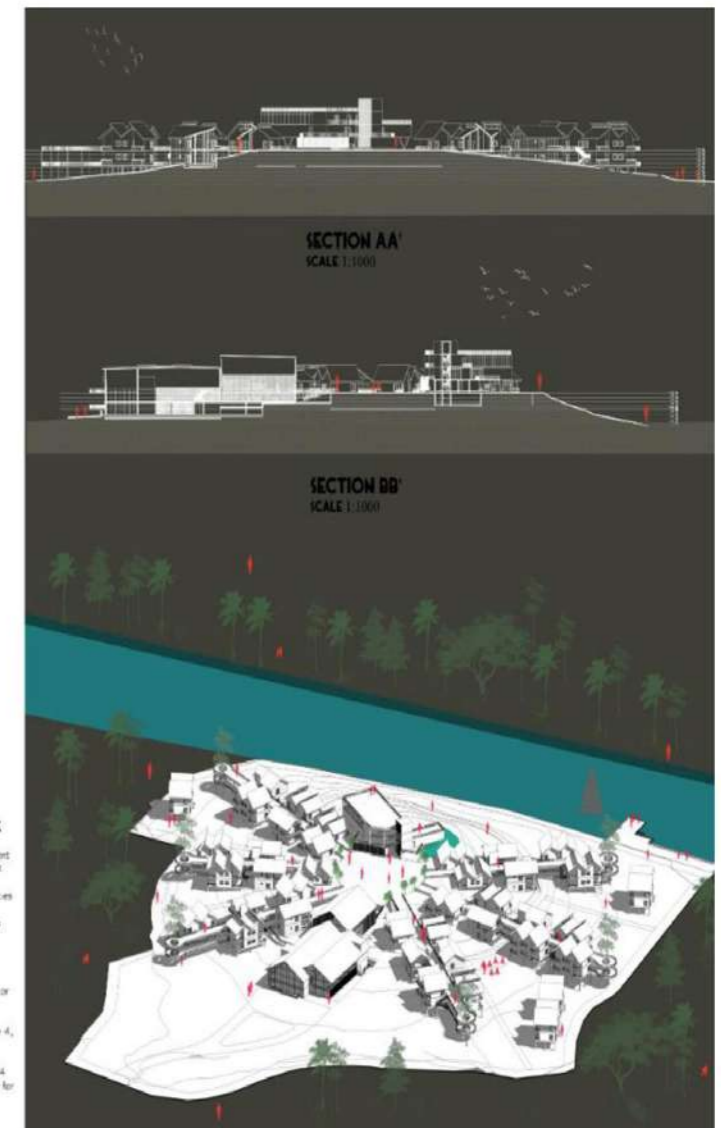
RETIREMENT VILLA

Guide: Prof. Ajit Madkaiker
 Student: Alex Sojan | 163701156

A multi-residence housing facility intended for the elderly under the lush green flora of Idukki district. This thesis process a retirement living for 60 units within house medical and recreational facilities. The 11 acre site meets the Thodupuzha river at its rear side and plantations surrounding it resulting in a refreshing microclimate



MASTER PLAN



BOTANICAL RESEARCH INSTITUTE, BELVADI

Guide: Prof. Akshatha Rao
 Student: Sidharth Suresh | Registration number : 163701254

The main aim of this research institute will be to collect plant material and data according to international standards and provide high quality, needs driven, plant related research



ZONING - SITE LEVEL ZONING

SITE PLAN

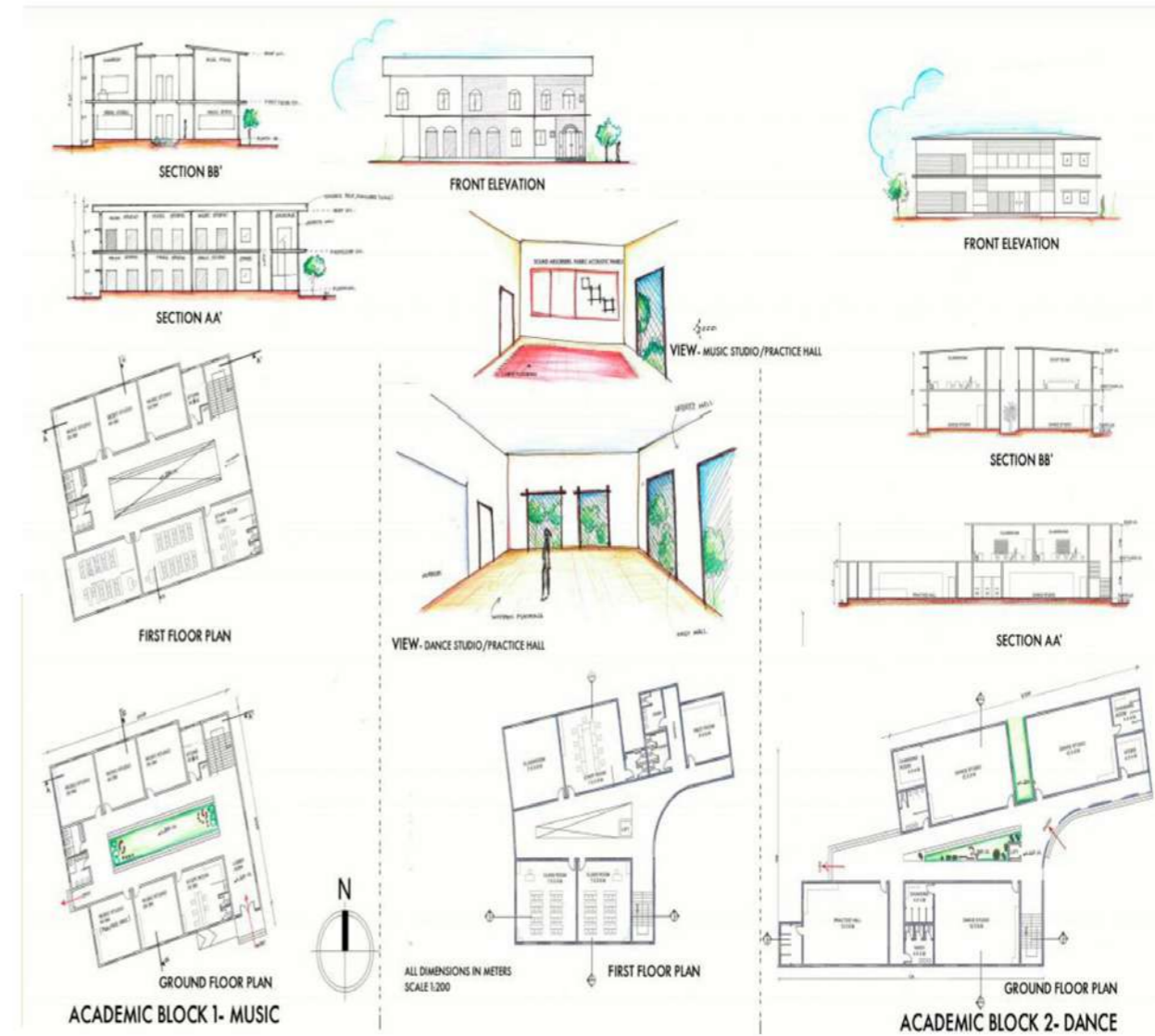


RENDERED BLOCKS

CENTER OF PERFORMING AND VISUAL ARTS, MAHE, MANIPAL

Guide: Prof. Akshatha Rao
 Student: Bhagyashree | Registration number : 163701278

To design campus for both performing and visual arts for MAHE, Manipal promoting the culture of the place to provide facilities to the public in order to hold the cultural events.

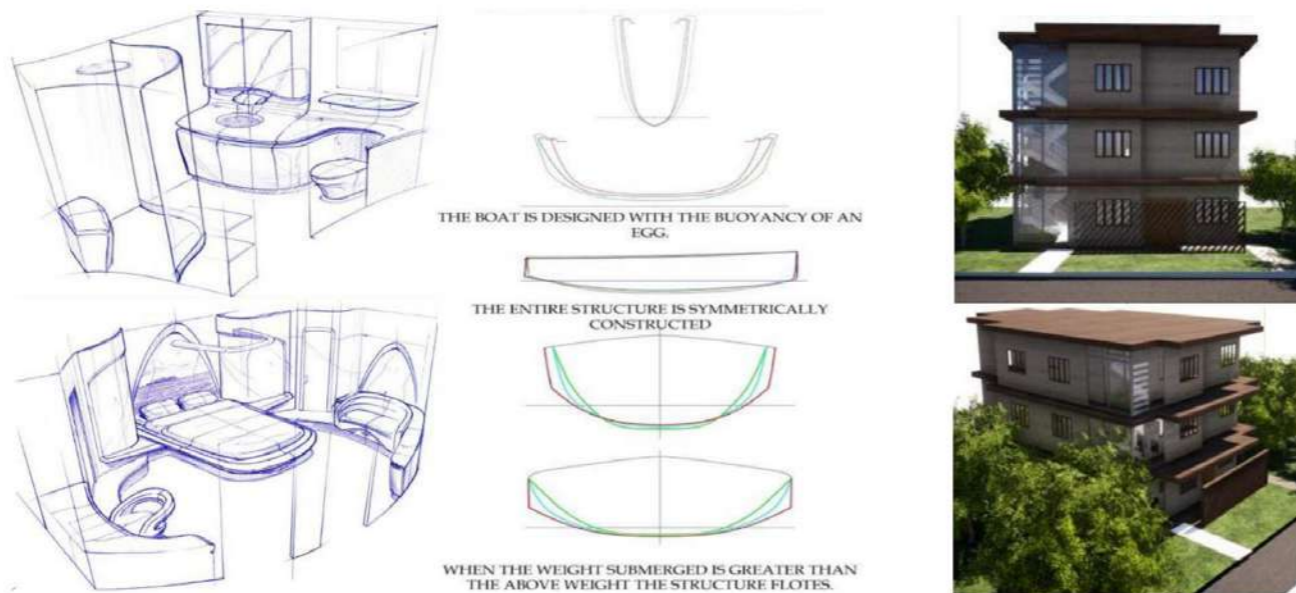


BUILDING BLOCK PLANS, ELEVATION, SECTION , VIEWS

NIRVANA WATERFRONT RESORT

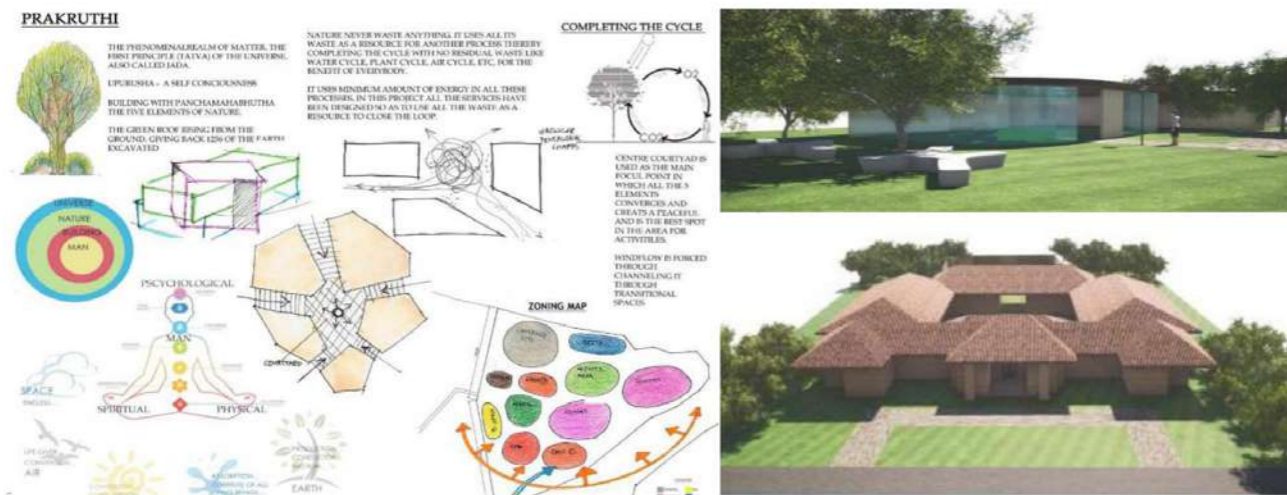
Guide: Deepratick Biswas
 Student: K A Zacharia | 163701216

A luxury waterfront resort on a 4.4 acer site with the main attracting of luxury boathouses with various activities for people of all ages. Nirvana is a good place for campers who are willing to camp in the outdoors for a change.



CONCEPTUAL SKETCHES

VIEWS

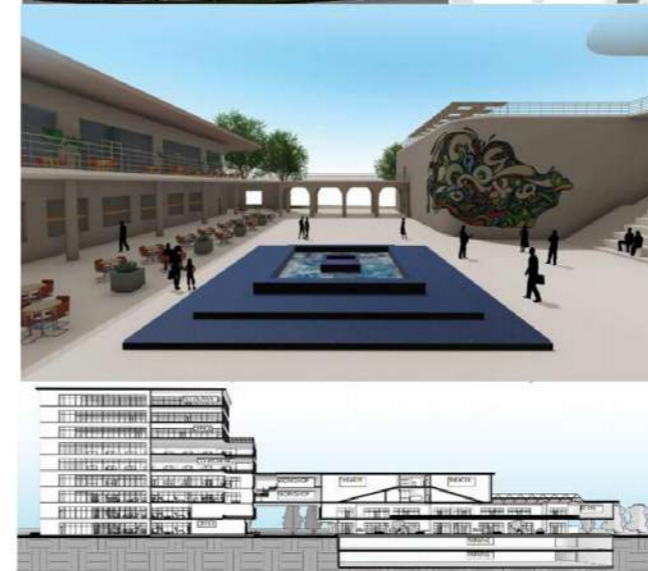


CONCEPT AND VIEWS

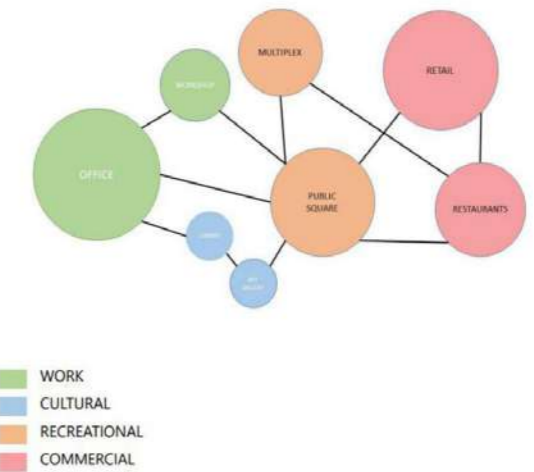
BDA COMPLEXES OF BANGALORE

Guide: Deepratick Biswas
 Student: Venkatesh Akkineni | 163701222

The project looks at redeveloping one of the BDA complexes of Bangalore in Indiranagar. The building manages to integrate all the various uses and creates a system of dependency within the building.



CIRCULATION DIAGRAM



WORK
 CULTURAL
 RECREATIONAL
 COMMERCIAL

CONCEPT AND SKETCHES

REDEVELOPMENT OF COASTAL VILLAGE OF KADEKAR-KUTHPADY UDUPI DISTRICT, KARNATAKA, INDIA

Guide: Prof : Deepika Shetty
 Student : Sinchana P Shetty | Registration number : 163701134

To improve the resilience of the coastal village of Kadekar-Kuthpady in terms of physical, social, human, natural and financial parameters. The thesis focuses on the improvement of coastal resilience of Kadekar-Kuthpady village.



DESIGN INTERVENTION - AT SITE LEVEL



DESIGN INTERVENTION - AT BUILDING LEVEL – IDEAL HOUSE PROTOTYPE - VIEWS

SOCIO-CULTURE PUBLIC SPACE & ADAPTIVE REUSE

Guide: Prof : Deepika Shetty
 Student : Sara Gulrez | Registration number : 163701292

The project will help to develop a state of art museum & library by converting the existing heritage structure. It helps in retaining the prominence of the space and contributes to the conversion of the structure



SITE DETAILS

MUSEUM OF CONTEMPORARY ART, KOCHI

Guide: Prof. Deepika Shetty
Student: Megha Mibu | 163701052

To design a space which would incorporate contemporary art into the daily routine and lives of the local population of Kochi, engage diverse communities and provide a platform to host art and design festivals of Kerala.



VIEWS

FLEXIBLE OUTDOOR ZONE

WOMEN'S REHABILITATION CENTRE FOR ALCOHOL ABUSE, BANGALORE

Guide: Prof. Komal Jaiswal
Student: Anvita Subramoniam | 163701048

There is an alarming increase of 21% of women suffering from alcohol abuse in Bangalore. The project lends a sensitizing therapeutic physical environment where women may nurture a personal will for self-development.



OUT-PATIENT UNIT

SITE PLAN



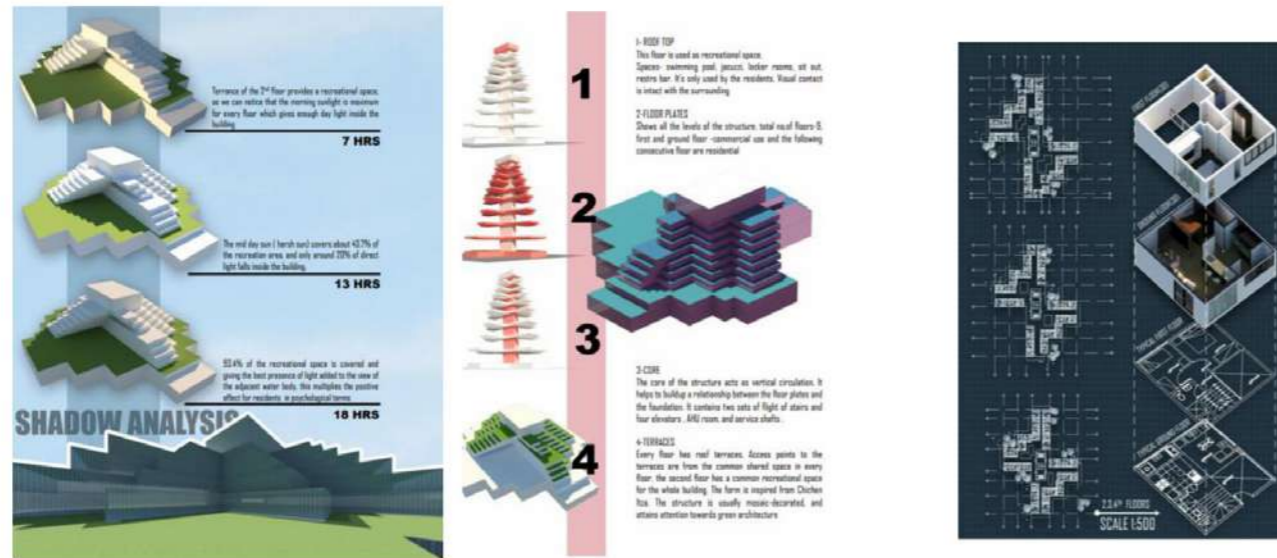
THERAPY AND TREATMENT AREA

THERAPY AND TREATMENT AREA

THE VERTICAL FOREST AMARAVATHI, INDIA

Guide: Prof. Komal Jaiswal
Student: Draksharam Srinitya | 163701098

The aim of the project is to bring nature intact with the city by proposing a self sustainable urban forest for high density population. This building is a residential space, what fascinates about the project is that 50% of the ground coverage.



FORM DEVELOPMENT

FLOOR PLANS



TYPICAL FLOOR PLAN OF THE RESIDENCE

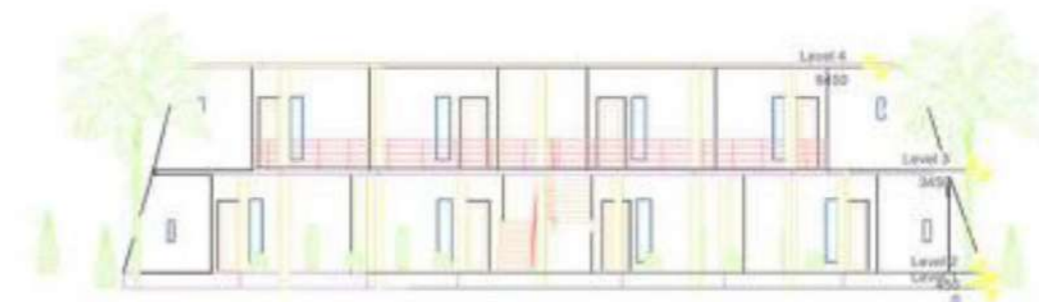
HOLISTIC WELLNESS RESORT, GOKARNA, INDIA

Guide: Prof. Komal Jaiswal
Student: Cherian Varughese | 163701344

Intended to help all individuals find a better way of life through enlightenment, transcendence. By creating an architectural language that serves not only as a catalyst, but as a channel for conversation between human soul and universal energy



MASTER PLAN



FRONT ELEVATION

MUSEUM AND CULTURAL CENTRE AT CHITRADURGA

Guide: Prof. Sonali Walimbe
 Student: Venkatesh S N | 163701004

Museum is a center where history can be rebuilt and can be preserved. Past plays very important role in building the future. Museum for a city with heritage value and culture helps to showcase the nativity over the ages to other generations and cultural centers acts as cultural museums to showcase the culture. Museum is to showcase, preserve and to promote the history, heritage and cultural values.



VIEW



VIEW AT NIGHT

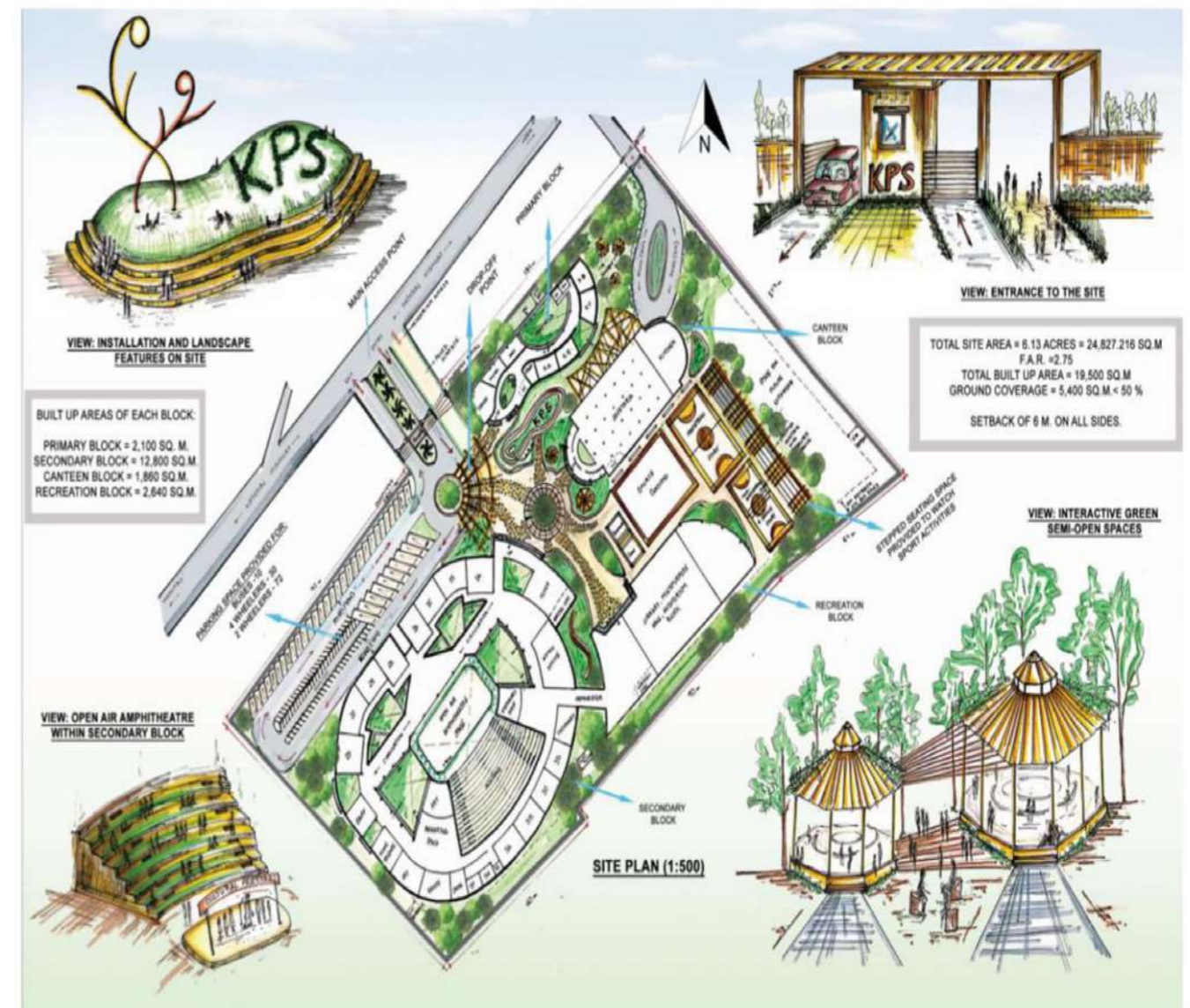


MASTER PLAN

KARNATAKA PUBLIC SCHOOL

Guide: Prof. Sonali Walimbe
 Student: Shivangi Agarwal | 163701138

The main aim is to redefine the learning spaces within the school campus to support the overall development of children, ensuring participative and inclusive atmosphere which will be a major part of the infrastructural development.



MASTER PLAN AND LANDSCAPE

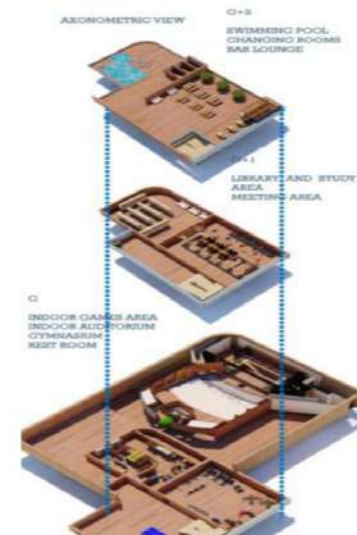
CO-LIVING COMMUNITY WITH RECREATIONAL FACILITIES

Guide: Prof. Shanta Das
 Student: Leela Pradeep | Registration number : 163701136

A Co-living community adopting a modernistic approach while adapting to local context, culture and climate. The project includes vertical urban farming methods and aims at setting a benchmark for upcoming urban development strategies.



SITE VIEW



AXONOMETRIC VIEW



TWO RESIDENTIAL BLOCKS

INTEGRATED GATED HOUSING COMMUNITY

Guide: Prof. Shanta Das
 Student: Thomas George | Registration number : 163701250

An integrated gated housing community in Kottayam, Kerala with different types of villas and apartments catering to different types of users which is interactive, secured, climate responsive, sustainable and creates a healthier atmosphere for the people.



SITE VIEWS



WELLNESS AND REJUVINATION ECO-RESORT

Guide: Prof. Shanta Das
Student: Aainee Sheikh | Registration number : 163701300

A project to study the relationship between various elements of healing and overall development of the user through self- healing procedures, group therapies, outdoors exposure and break from the monotonous life.



SITE SECTION



COTTAGE



SITE VIEW

MICRO HOUSING SOCIETY- THE FARM

Guide: Prof. Gowri Shenoy
Student: Rishav Anand | Registration number : 163701286

The innovation of maximum functional area in a minimum footprint; redefining the perception of sustainability in urban dwellings. The ultimate goal is to react to this growth with micro-housing, horticulture and other sustainable techniques.



SITE VIEW

A SCHOOL AND EMERGENCY FLOOD RELIEF CENTRE

Guide: Prof. Gowri Shenoy
 Student: Mrigangi Kalita | Registration number : 163701370

The aim of the project is to make quality education a safe, inclusive, and welcoming learning environment available and accessible to children. This project also achieves a design that transforms into a self-sufficient relief center during an emergency.



VIEW OF THE BAMBOO PAVILLION



GREEN POCKET VIEW



SITE PLAN

FOREST RESORT

Guide: Prof. Gowri Shenoy
 Student: Greeshma | Registration number : 163701372

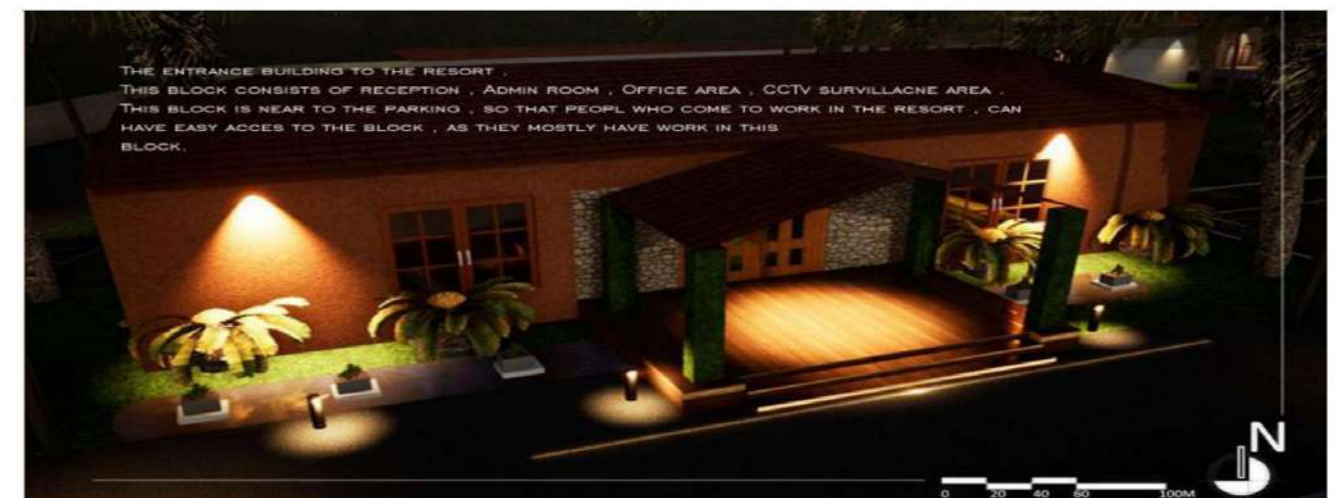
The resort's moto is to give the essence of Udupi to all it's visitors . The scope of the project is to explain the different spaces that are used to create the environment to holistic experience while in a forest premises.



DOUBLE BEDROOM



FRONT VIEW



RESORT ENTRANCE

HEALING AND RETREAT CENTRE

Guide: Prof. Roshan Shetty

Student: Shloka Khandelwal | Registration number:163701019

The project i.e. healing and retreat center revolves around the natural ways of holistic three major aspects – the architecture, the essence it generates and the atmosphere it creates to heal people physically, emotionally and mentally healing.

INTERNATIONAL KABADDI & BADMINTON STADIUM, MANGALORE

Guide: Prof. Roshan Shetty

Student: Ammarnath NVG | Registration number:163701080

The primary focus of the design is developing a project that is contextually sensitive with the enclosure of the site on all sides, with buildings and vegetation, the challenge is to maintain a singular identity and dynamic expression for the sports complex.



CONCEPT SHEET



VIEW



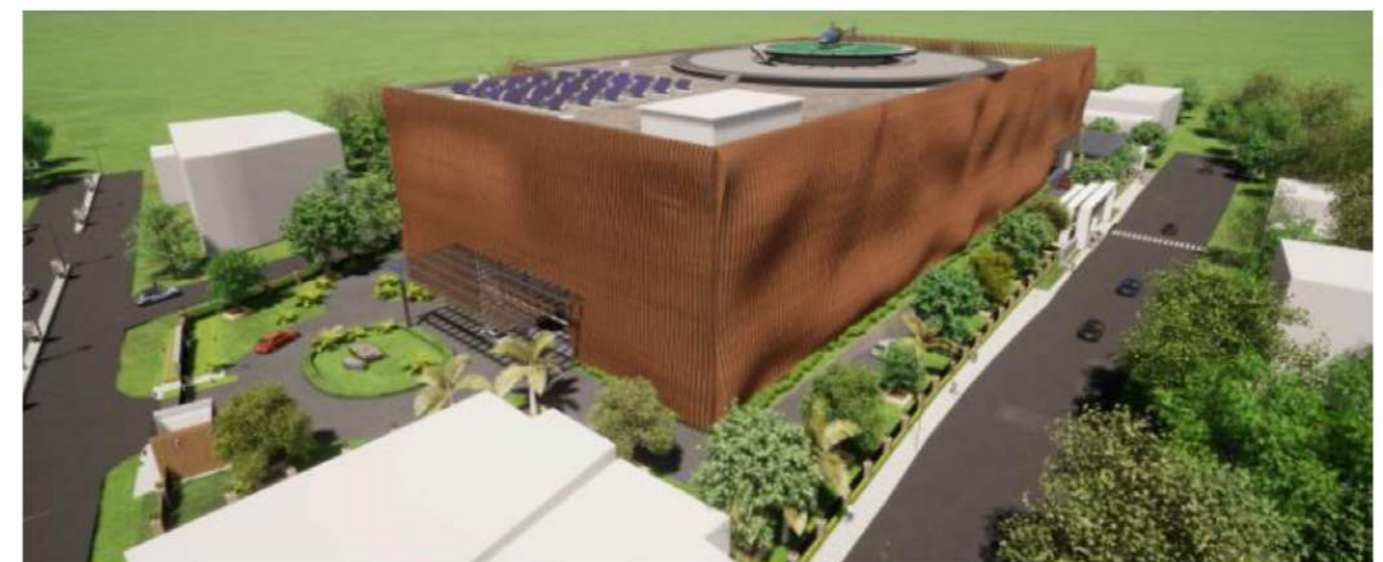
SITE PLAN



VIEWS



PLANS, SECTIONS AND VIEWS



VIEWS

VOCATIONAL EDUCATION AND TRAINING INSTITUTE

Guide: Prof. Roshan Shetty
 Student: Annapoorna Madhu | Registration number:163701188

Vocational Education and Training Institute is a center that educates and trains people to deliver professional services in a field that is in demand in their local community or other regions to help them secure employment or guide them through entrepreneurship.



PLAN



VIEW 4 : RESIDENTIAL BLOCKS FROM ACADEMIC BLOCK



VIEWS



VIEWS

SHELTERS FOR URBAN HOMELESS WITH VOCATIONAL CENTRE

Guide: Prof. Roshan Shetty
 Student: Rachana Gone | Registration number:163701324

The aim of the project is to reduce homelessness by integrating an educational program which caters to skill development along with supportive housing which can result in the homeless to generate meaningful and sustainable livelihoods.



SITE PLAN



VIEWS

VOCATIONAL EDUCATION AND TRAINING INSTITUTE

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PLAN



VIEW 4 : RESIDENTIAL BLOCKS FROM ACADEMIC BLOCK



VIEWS



VIEWS

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SITE PLAN



VIEWS

OLD AGE HOME

Guide: Prof. Roshan Shetty
 Student: Edgar Braganza | Registration number:163701356

The aim is to understand and design a well-functioning facility for the elderly. Some of the key aspects that would be incorporated in the design would include: safety accessibility, zoning, barrier-free design and colour schemes.



PLAN



VIEWS

VIPASSANA MEDITATION CENTRE : DHAMMA NADHI

Guide: Prof. Monika Jadhav
 Student: Monisha V. Mansukhani | Registration number:163701124

The aim of this project is to design an eco-friendly Vipassana meditation Centre that provides a common platform for people from all over to come and meditate. The central focus of this project is to utilize the natural topography and other naturally existing environmental features on and around the site to amplify the design of this meditation Centre.



PLANS



VIEWS

RESIDENTIAL MENTAL HEALTH CARE FACILITY

Guide: Prof. Monika Jadhav
Student: Akshara Shrivastava | 163701038

The following thesis mainly deals with the designing and needs of residential mental care facilities. The following psychiatric facilities offer a home like atmosphere and strong sense of community that helps patients in building up their self esteem. Common features of such facilities include individual psychotherapy, group therapy, vocational courses and treatment for co occurring addictions.

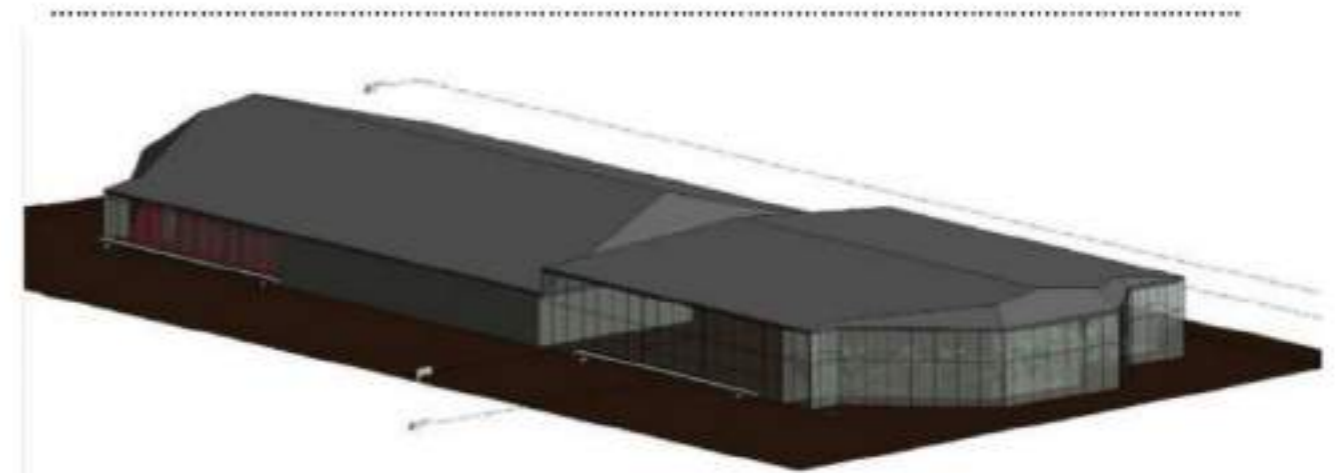


MASTER PLAN

REHABILITATION CENTER FOR SUBSTANCE USE DISORDER

Guide: Prof. Monika Jadhav
Student: Rucha Ghag | Registration number: 163701013

This thesis aims to develop a rehabilitation center which focuses on substance abuse disorders. The project objectives are to design a rehabilitation and reintegration center which will be able to treat and reintegrate drug abuse patients into society.



VIEW OF GYM COMPLEX



VIEW OF RESIDENTS STUDIO APARTMENT

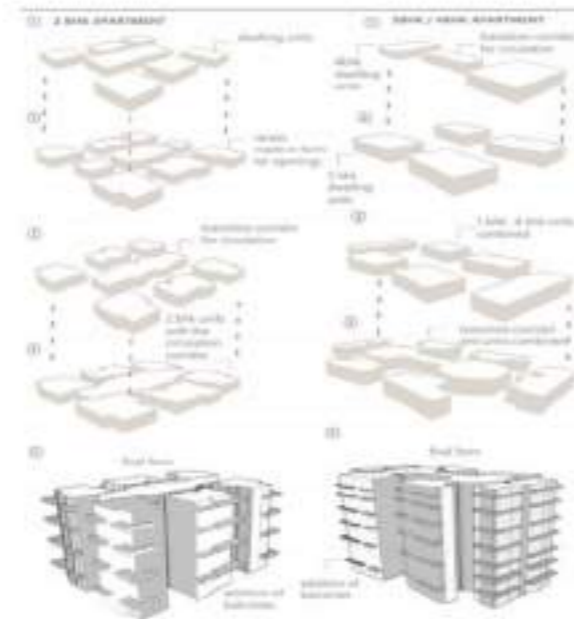
HIGH RISE APARTMENT DESIGN

Guide: Prof. Satyaprakash
 Student: Namisha gohain | 163701003

The aim of this project is to design a high-rise apartment complex. The site for this project is in Whitefield which is a neighborhood of Bengaluru, Karnataka, India. Whitefield is one of the popular choices for residential property by both real estate builders and home buyers alike. Its proximity to important areas of public interest like renowned tech parks, phoenix market city, reputed educational institutes etc. makes it one of Bengaluru's most sought.



MASTER PLAN



FORM DEVELOPMENT



RESIDENTIAL SCHOOL DESIGN

Guide: prof. Satyaprakash
 Student: Adarsh S | 163701162

The aim of this thesis is to design a school with flexible learning spaces and emphasis on nature. By bringing natural elements into the building, the project tries to create an interactive environment with a user centric approach that provides inspiration and improves the well-being of its users. Use of Biophilic Design to bring in the Natural Elements into the builds to create an interactive learning environment.



MASTER PLAN



HABITAT HOUSING- A GATED COMMUNITY

Guide: Prof. Satyaprakash
 Student: Harshini Vudattu | 163701242

The aim of the project is to create an integrated housing which is interactive, barrier free, secured, innovative and peaceful. In this modern form, a gated community is a form of housing estate containing strictly controlled entrances for pedestrians, bicycles, automobiles, and often characterized by a close perimeter of walls and fences.



MASTER PLAN

SKILL DEVELOPMENT CENTER IN AMBELIM VILLAGE, GOA

Guide: prof. Satyaprakash
 Student: Deepali Sahu | 163701350

The purpose of the thesis is to propose a low cost, affordable, and easy to construct design that values the local context and uses alternate building technology with locally available material and architectural style in the village of Ambelim, Goa. The school is designed with the aim of blurring the boundaries between inside and outside of a built space, offering an alternative to standard introverted classrooms.



SITE SECTION AA

INSTITUTE OF PERFORMING ARTS, MANIPAL

Guide: prof. Trivikram
Student: Nivedhitha Chandra Sekar | 163701108

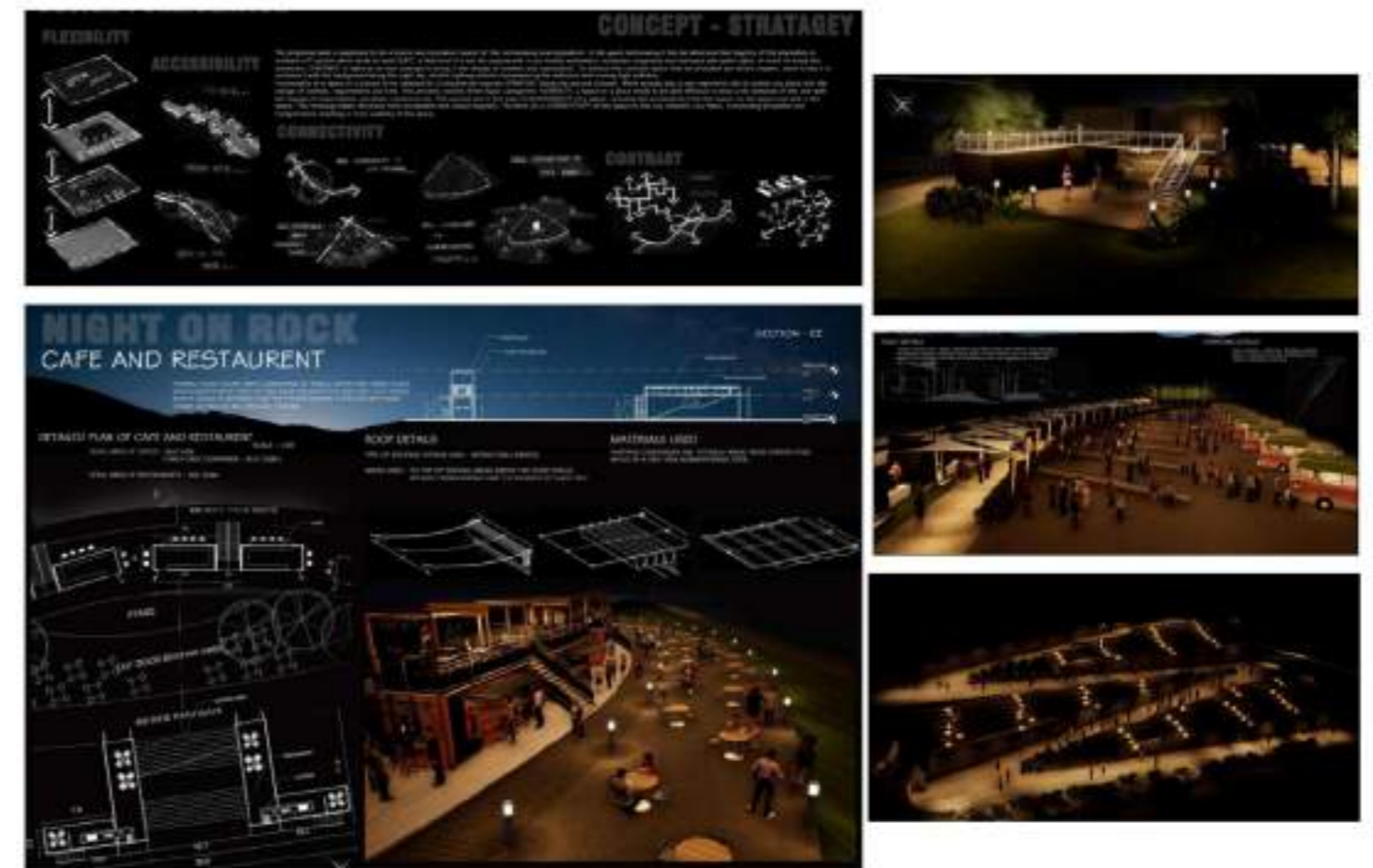
Creating a space for sharing, learning and experiencing indian classical art forms that are relevant to the southern region. The site was chosen in manipal as it is an institutional town with students coming in from all over india. Currently there is no existing multi-disciplinary performing arts institute in the region and there is no MAHE initiative for courses in dance, instruments and theatre.



NIGHT ON ROCK

Guide: prof. Trivikram
Student: G Lakshmi Nymisha | 163701334

Night recreational area - Night On Rock this public space is designed to create a leisure under the night sky, promoting pedestrian movement and mainly conservation of rock. This project is also an attempt to retain the left-over rock bed. It improves the aesthetic value and is also cost effective.



URBAN HAAT, KOCHI

Guide: Prof. Trivikram T.N.
 Student: Shreya Satheesh | 163701084

The proposed thesis is to design a space which would cater to the local population as well as the tourists coming onto the city, serve as a host for art and crafts of Kerala, as well as across the country and hence provide a platform to build a cultural dialogue between different forms of creative expression between a wide range of users.



VIEW



DETAIL



SITE PLAN

ADAPTIVE REUSE OF THE DUTCH HOUSE IN BHEEMUNIPATNAM

Guide: Prof. Trivikram T.N.
 Student: Ankhi Nandi | 163701026

The main aim of this thesis is to combine the historical authenticity of the once-abandoned and underutilized heritage property with innovative "new consumer" appeal, through the holistic development of the site around it.



MASTER PLAN

CENTRE OF EXCELLENCE FOR SPECIALLY-ABLED SPORTS

Guide: Prof. Kailas M
Student: Anurag Shrivastawa | Registration number: 163701224

A sports fitness and training institute dedicated for specially-abled athletes to help train and participate in international level competitions – Paralympics. The design blends aesthetics and accessibility requirements and goes further beyond it.



HIGH PERFORMANCE CENTRE

HIERARCHY OF SENSES



VIEWS

AGRITAINMENT RESORT

Guide: Prof. Kailas M
Student: Akshay K Menon | Registration number: 163701230

An Agritainment resort simply provides an opportunity for entertainment in an agricultural setting as well as promoting tourism. Entertainment farming activities offer a chance to turn a working farm life into an adventure most can't experience.



AERIAL VIEW OF SITE

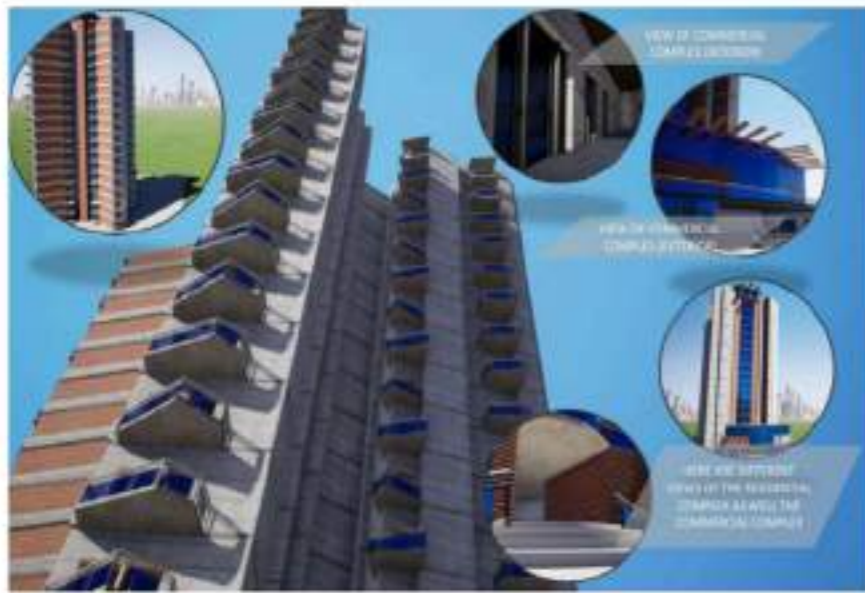


SECTION VIEW OF SITE

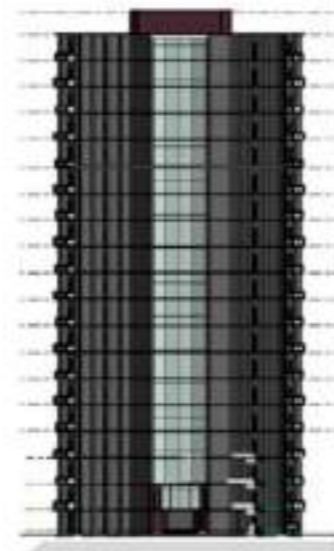
HIGH RISE BUILDING, MANGALURU, KARNATAKA

Guide: Prof. Kailas M
Student: Udipta Kaushik | Registration number: 163701232

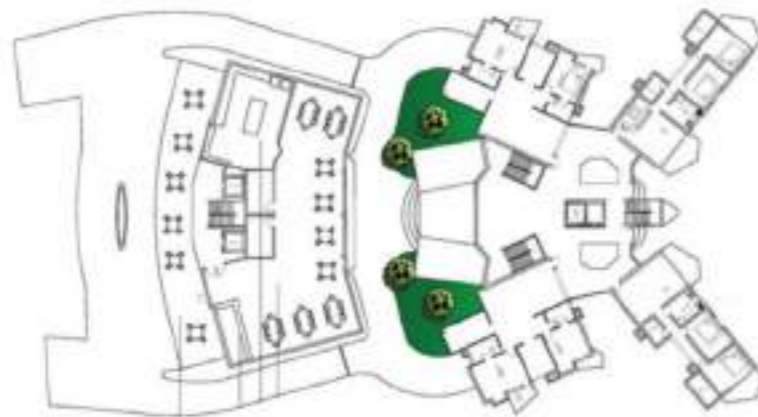
Growing population and the constraints of city area has given rise to numerous high rises in the city such as Bhandari tower, Northern Sky City, SKS, Atlantis and so on and so forth. The need to provide luxury as the net income levels are rising and views have to be tapped into for maximum comforts and aesthetics.



VIEW



SOUTH ELEVATION



FIRST FLOOR PLAN

HOSPICE CARE CENTER, MANIPAL

Guide: Prof. Ketki S Darp
Student: Saba Farheen | Registration number: 163701130

This thesis project proposes to design a Hospice Care Centre in Manipal, for the palliation of such terminally ill patient's pain and symptoms while attending to their emotional and spiritual needs. It seeks to improve their quality of life and emotional wellbeing, helping them live as fully as they can for the precious time they have left.

Perspective Sections



SECTION VIEW OF SITE

ISH REHABILITATION CENTER, PUNE

Guide: Prof. Ketki S Darp
 Student: Yashasvini Khanna | Registration number: 163701244

Situated at a plateau top it provides the patients with a magnificent view at all times. It also provides an indoor meditation hall which is inspired from the Sanchi Stupa. The hall is constructed in a way that the shiv lingam receives its abhisheikh from the small opening in the roof, making it even more aesthetic.



VIEW



AROMATIC GARDEN

PLAN AND SECTION

EWS HOUSING DESIGN IN NIKOL, AHMEDABAD, GUJARAT

Guide: Prof. Supriya K
 Student: Kreepi J Gandhi | Registration number: 163701248

The aim for this thesis is to provide affordable and quality housing with the associated services for people in need while protecting the long-term capability of the association. The design was done in a way to provide interactive space for socializing while providing all essentials at a low budget.



BUILDING UNIT



BUILDING UNIT PLAN

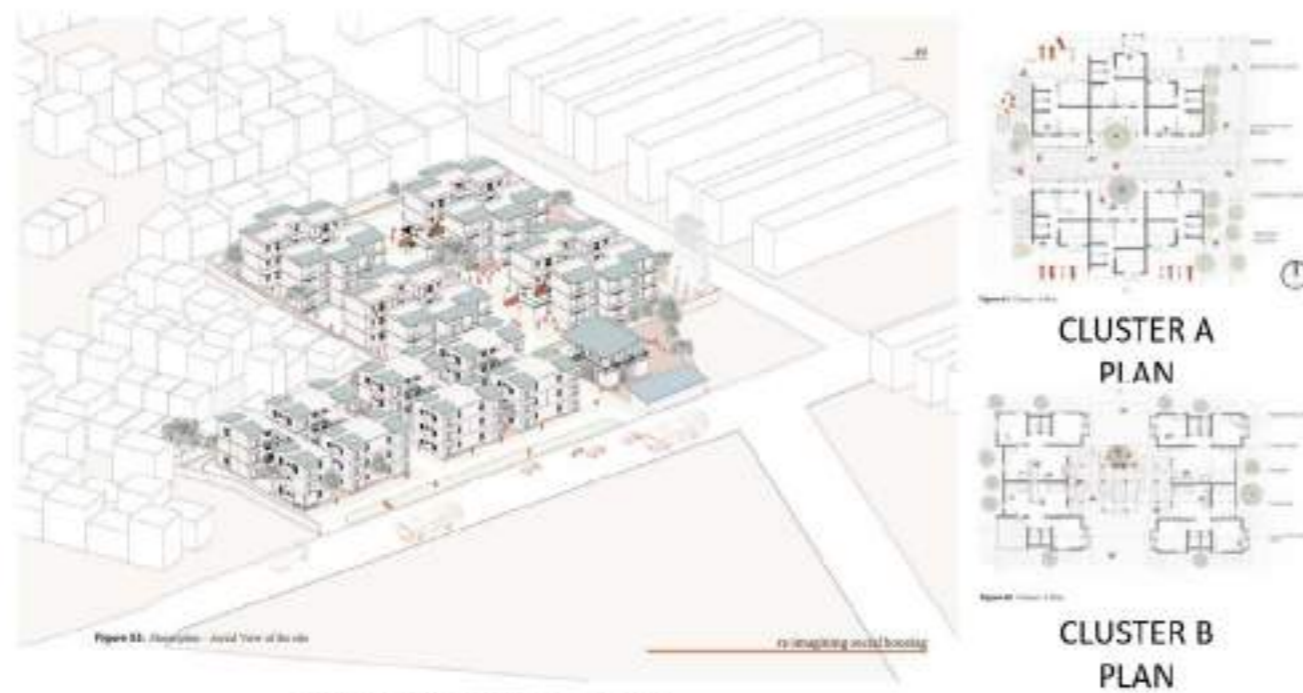


ANGANWADI COMPLEX

RE-IMAGINING SOCIAL HOUSING: A CASE OF CHENNAI

Guide: Purushottam K.
Student: Mihir Sriram | Registration number : 163701086

The aim is to create a 100 units dense urban core of the city with varied typologies focusing on creating a model for housing which encourages social cohesion and gives spatial and economic freedom.



AERIAL VIEW OF THE SITE



CLUSTER A ELEVATION- SOUTH



CLUSTER B ELEVATION SOUTH

CULTURAL CENTRE- CHATTISGARH

Guide: Purushottam K.
Student: Piyusha Rathi | Registration number : 163701238

The concept of the design in this digital era is to create a common platform which relies on the creation of a 'room of culture' where people can learn and explore their talents.



MASTER PLAN

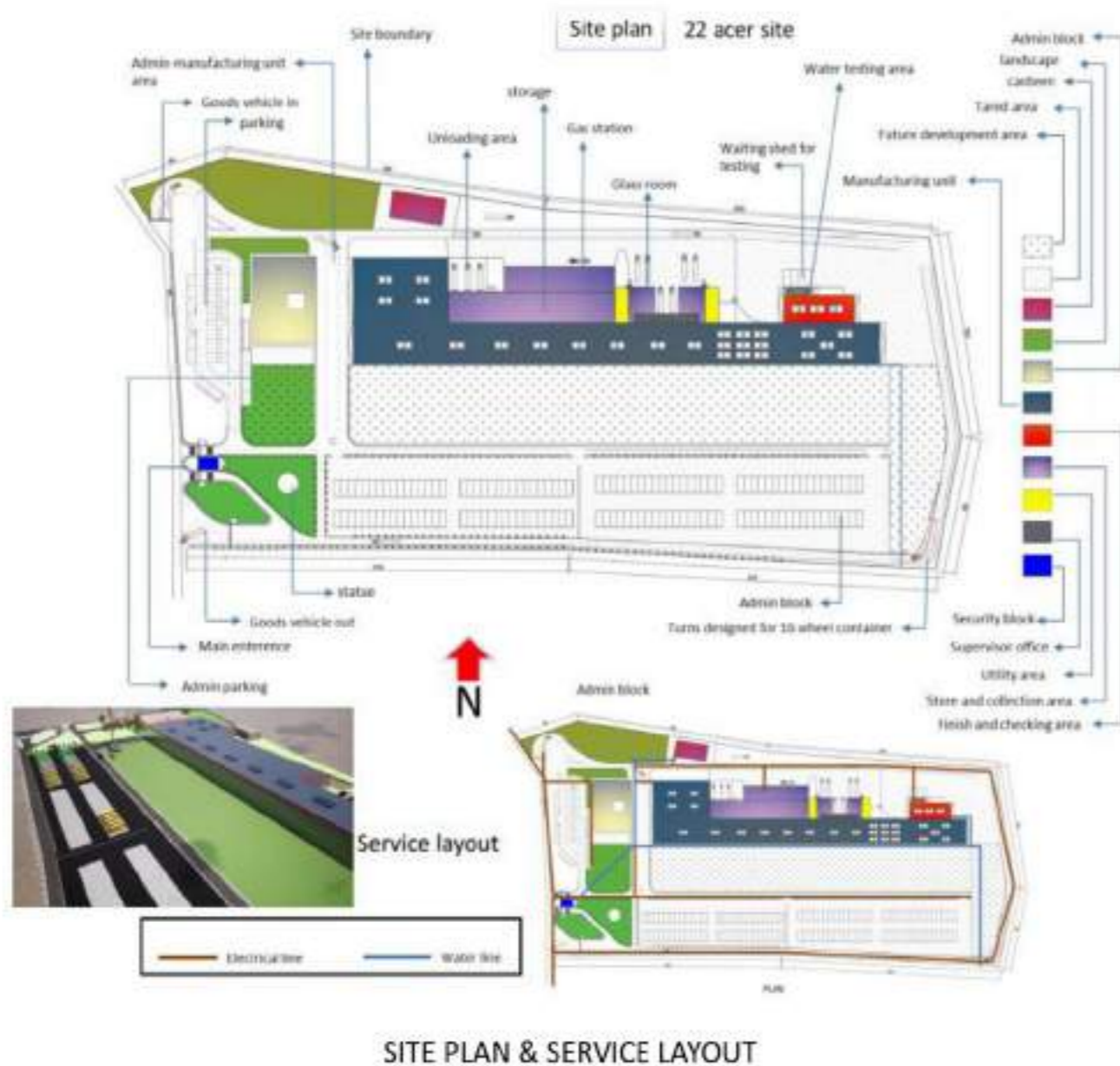


ELEVATION

AUTOMOTIVE HEADQUARTERS FOR BUS MANUFACTURING - TAMIL NADU

Guide: Purushottam K.
 Student: Ronn Ojes | Registration number : 163701378

To design an automotive headquarters for bus body manufacturing, which suits the needs of both man and machine while minimizing conflict between various functions performed while ensuring flexibility and ease of expansion.



DEOGHAR OPULENCE

Guide: Sahana
 Student: Nikhil Sonthalia | Registration number : 163701072

An eco-sensitive, upscale hotel, providing a blend of high standards of accommodation and cuisine, suitable for those seeking sophistication and indulgence in an exclusive atmosphere, and a shopping paradise to serve the needs and entertain the local community.



SECTIONAL ELEVATION AA'



EXTERIOR VIEW



MASTER PLAN



BLOWN OUT SECTION SHOWING ATRIUM, SUNK SLAB AND PLAZA DETAILS

WELLNESS RETREAT- KERALA

Guide: Sahana

Student: Femimol Thomas | Registration number : 163701092

Designing a combination of interior and exterior spaces to create an environment for holistic healing and wellbeing of the body, mind and soul of the users.



SITE PLAN AND SITE SECTIONS



VIEWS

150 BEDDED MULTI-SPECIALTY HOSPITAL- KERALA

Guide: Sahana

Student: Shahin Sabu | Registration number : 163701142

A multi- specialty hospital to provide a safe and therapeutic environment to increase the overall satisfaction rates of patients, employees and visiting medical officers. One which is devised to achieve financial and human resource key performance indicators and maintain clinical indicators below aggregate rate for peer hospitals.



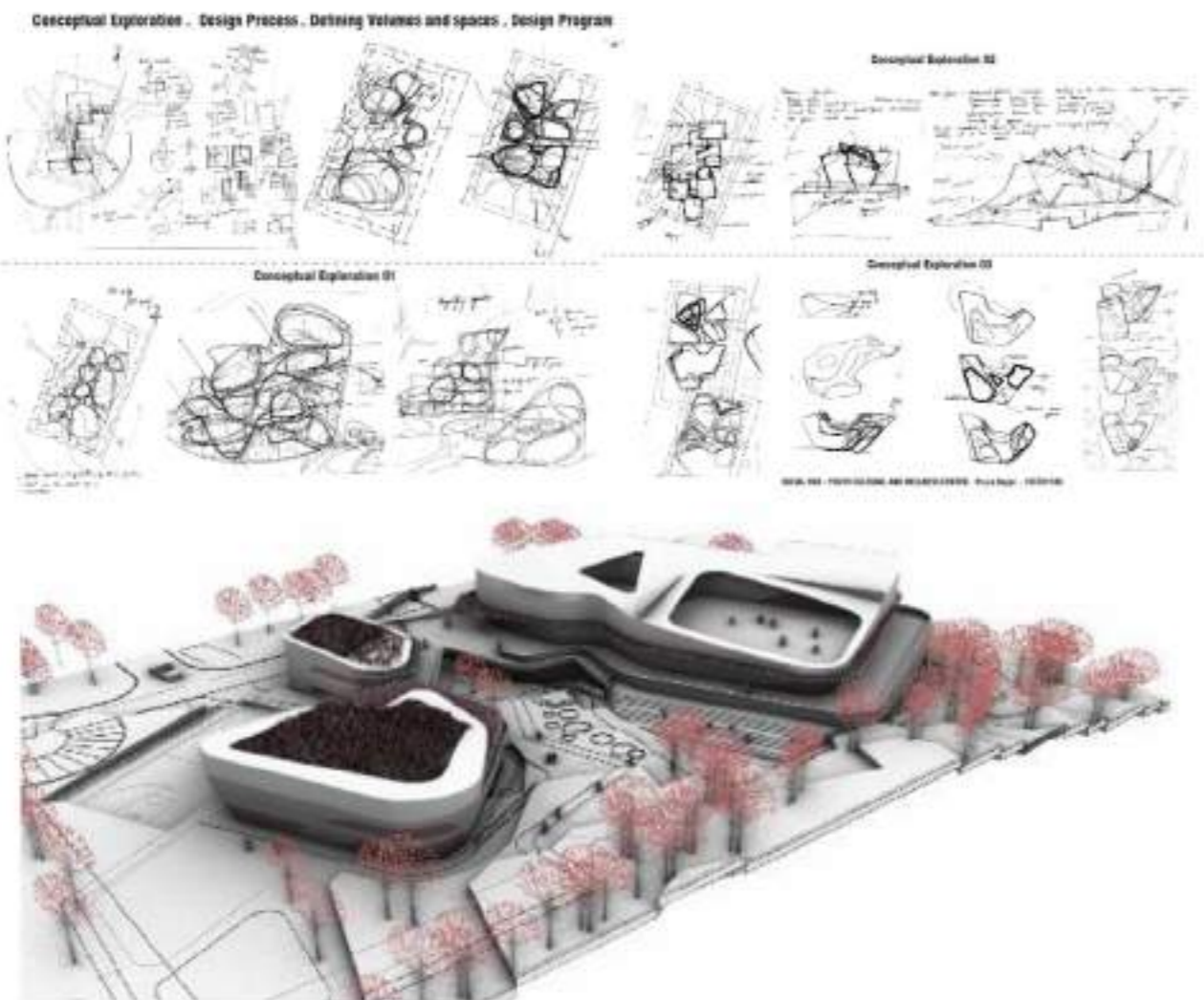
ISOMETRIC, EXTERIOR AND EXPLODED VIEWS

SOCIAL HUB- YOUTH CULTURAL AND WELLNESS CENTRE

Guide: Sahana

Student: Pooja Bagari | Registration number : 163701186

This thesis seeks to investigate how architecture can be used as a cohesive and motivating element towards the social and physical development of these youth for them to become successful adults and aims to empower them to become responsible citizens.



MYSTIQUE FIVE STAR BUSINESS HOTEL

Guide: Sahana

Student: G Sai Manvitha | Registration number: 163701240

The objectives of the project is to design five-star luxury hotel for creating a unique, rejuvenating and memorable experience for the guests. The design should respond to the site condition and environment in terms of all amenities.

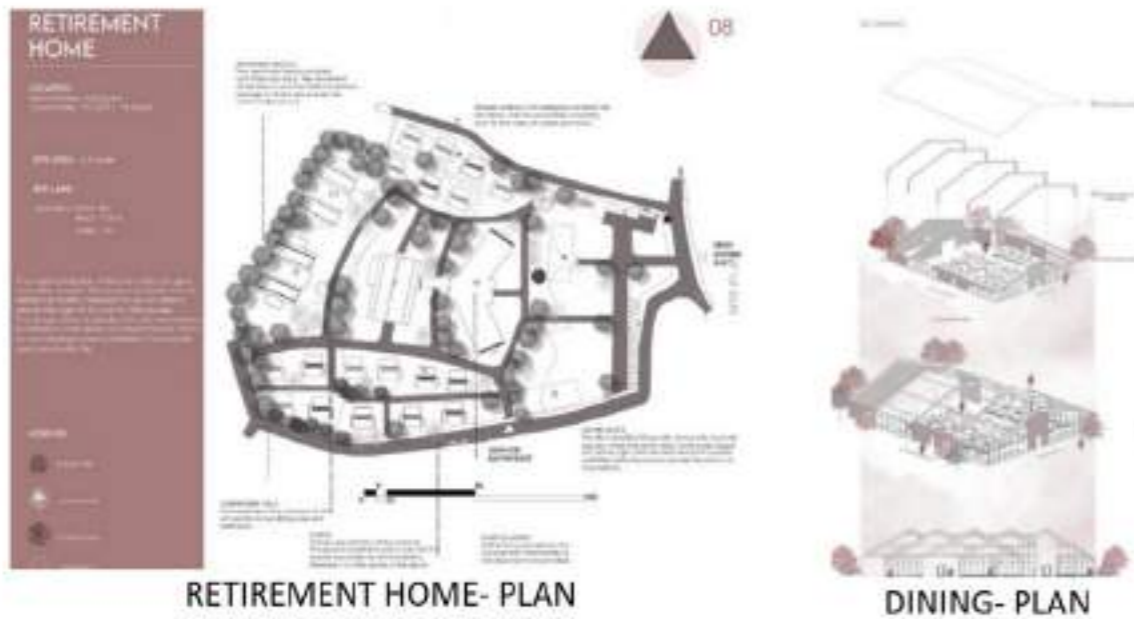


RETIREMENT HOME

Guide: Sahana

Student: Nitra Isaac | Registration number: 163701320

This thesis proposes a retirement home which is a multi-residence facility intended for senior citizens above 55 years old who are generally able to care for themselves, however assistance will be provided if required.



RETIREMENT HOME- PLAN

DINING- PLAN



FRONT ELEVATION

CO-WORKING HOME

Guide: Stella

Student: B Varshini | Registration number: 163701110

Coworking is an arrangement in which several workers from different companies and background share an office space, allowing cost savings and convenience using common infrastructure, such as equipment and utility.



CO-WORKING HOME- PLAN



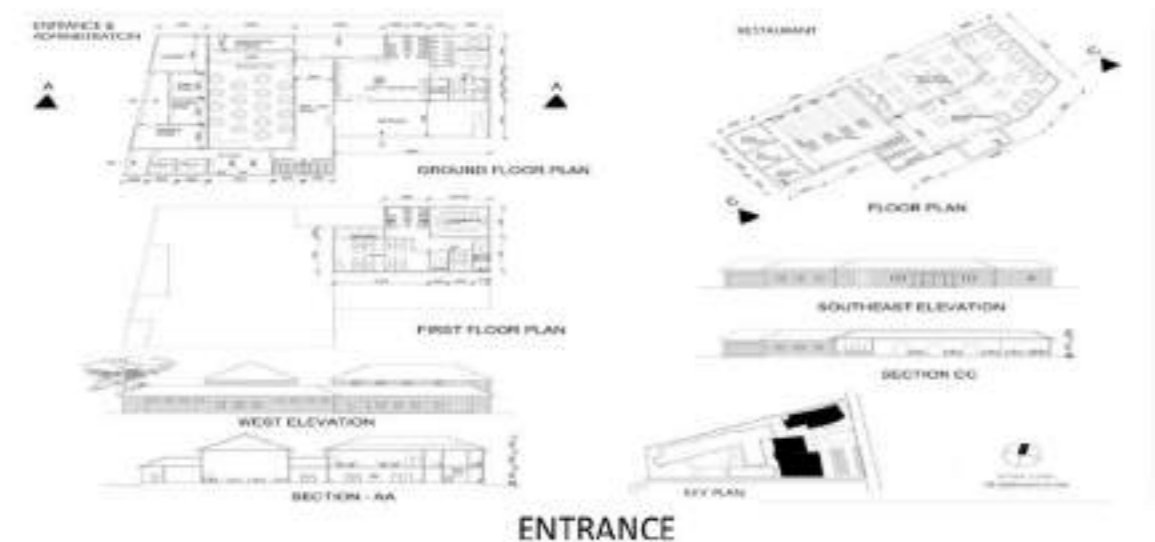
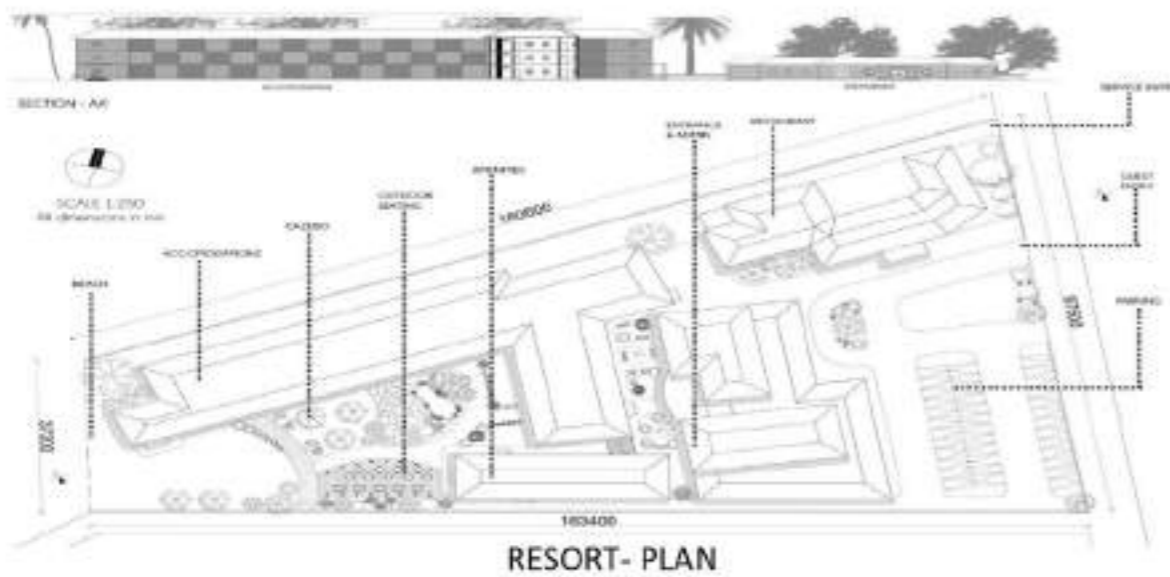
WORKING HUB

BEACH RESORT

Guide: Stella

Student: Joan Rajan Mathew | Registration number: 163701132

The aim of this thesis is to design a recreational resort and to create an energizing environment for the guest through varieties of facilities and functions. Analytical study of the functional requirements of resort and implement efficient design to carry out the functions smoothly.

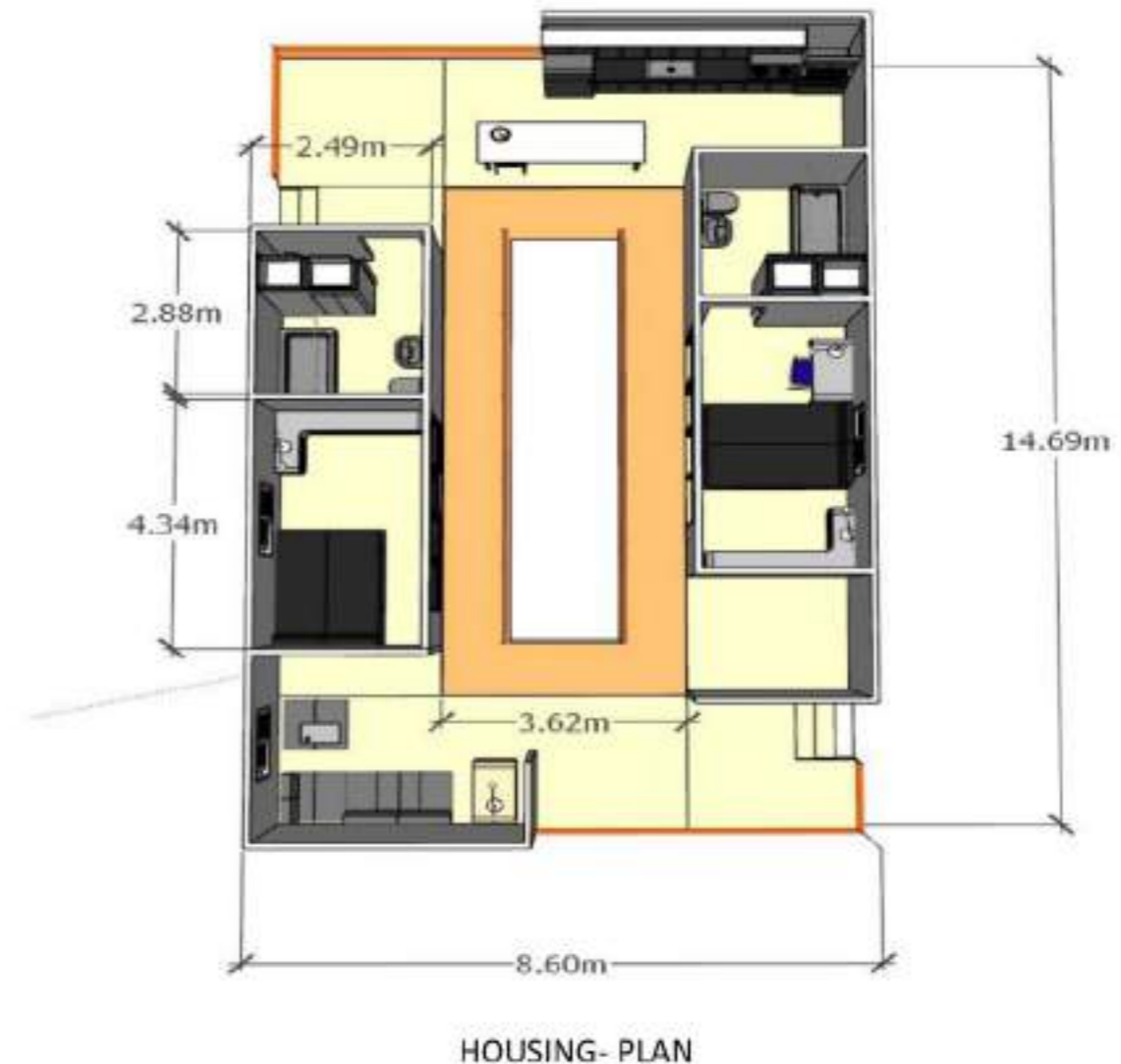


LOW-COST COMMUNITY HOUSING

Guide: Supriya K

Student: Charan Kalmady | Registration number : 163701066

The area of Ramankary lies along a canal and the SH-11. The road connectivity has prompted the come up of new local shops and hence residences in the area – with residents belonging primarily to EWS and MIG. 20+ houses were constructed to provide ease of access to the inhabitants.



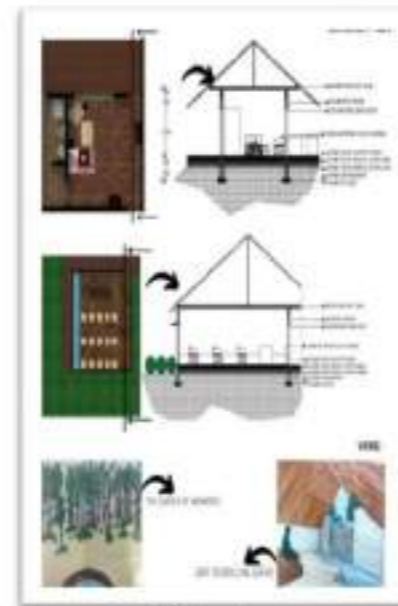
HOSPICE CENTRE IN COCHIN

Guide: Kumar Vyomkesh
 Student: Riya Thampi | 163701228

The design aims to create a hospice space for terminally ill cancer patients which would not only act as a space of care and comfort, but also act as a space which helps to forget one's agony and pain throughout their time of residence.



Plan



Details

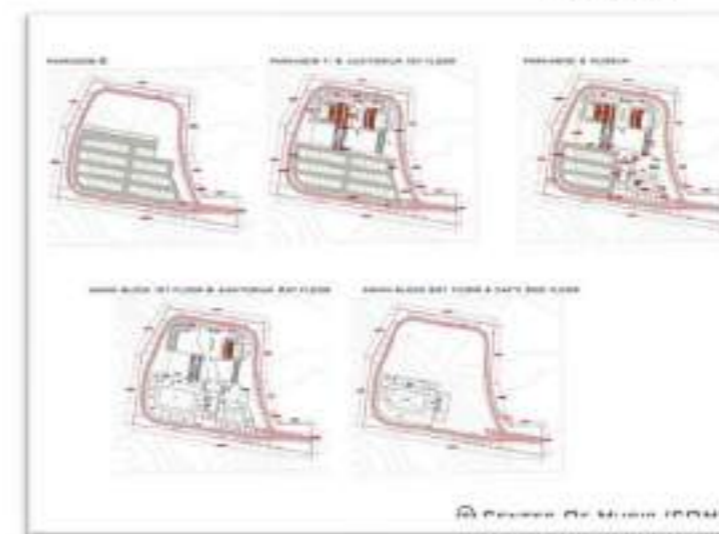
SCHOOL OF MUSIC, INDIA

Guide: Poonam Rathore
 Student: Sumanth G | 163701272

The Music School will be a dynamic gathering hub, workspace, and creative playground for the music community at large.. It will be a continuously evolving to meet the ever-changing needs of the music world.



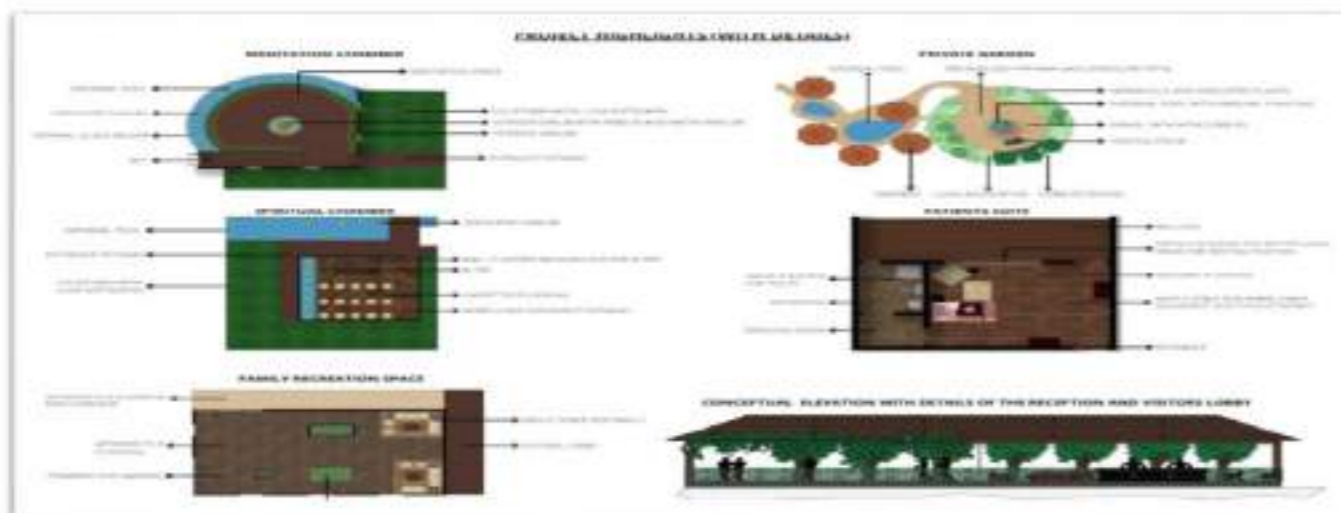
Site Plan



Floor Plans



Sections



Project Highlights

HIGH RISE APARTMENTS

Guide: Prof. Poonam Rathore,
Student: Serin Siji | 163701318

Life is beginning to slowly be a problem for families to stay. As villas or housing project in the outskirts of the city helps in staying in less toxic environment as well as its also a form of luxury and need for the middle class .The thesis explores low rise apartment project with a brief study of sustainably developing these structures.



ELEVATION AND VIEW

ELEVATION AND VIEWS

SCHOOL OF MUSIC, INDIA

Guide: Pranav Kishore
Student: Ramya R. Acharya | 163701058

The school trustees have decided to further develop the school as a campus spreading over 15.3 acres of land and to be equipped with administrative block, a dining hall, an auditorium, sports complex and a 200m track ground.



Site Plan



Floor Plans and Views



Sections and Views

RESIDENTIAL APARTMENTS FOR TEACHING STAFF

Guide : Pranav Kishore
 Student: Vatsala Bajpai | 163701106

Residential apartments for teaching staff in any institution is an important part of the campus planning attribute. It should follow the character that has been observed in the campus as a whole. The apartment design and affects productivity of an employee.



Views of the Apartment

SCHOOL OF MUSIC, INDIA

Guide: Pranav Kishore
 Student: Stuthi Shetty | 163701310

The main objective of the project will be to attract people who are from within the city as well. And so, one of the mainstream business in the city and in the country is events. Therefore, a multi- purpose grand hall and the western plot is groomed to let way for events.



Elevations and Design



Design Detailing

SEAFRONT DEVELOPMENT, BOLAR, MANGALORE

Guide: Prof. Jambavati Gowda
 Student: Tanusha Madhusudhan | Registration number: 163701001

The aim of the project is to redevelop and activate the seafont area in Bolar into a mixed use and sustainable waterside consisting of seafont restaurants, sunset decks, a public park and a formal boat building setup. This development is done to generate tourism, recreational and leisure opportunities in Bolar.

SEAFRONT DEVELOPMENT BOLAR, MANGALORE Masterplan

- Waterfront planning strategy
- Publicity with access to all
- Publicity and base of investment
- Waterfront strategy - for urban, commercial and residential
- At waterfront - to provide urban waterfront and launch the development



Master Plan

THE INDIAN INSTITUTE OF TECHNOLOGY, GOA

Guide: Prof. Jambavati Gowda
 Student: Gemrisha A | Registration number: 163701020

This project is a continuation of work carried out during my dissertation titled "The influence of potted plants on VOCs emitted by building materials in indoor environments", particularly scenarios involving high stress levels amongst users, poor access to natural lighting and poor air circulation.

DESIGN CONCEPT CASE STUDIES

INDIAN GURUKUL SYSTEM



DEVELOPMENT OF LEARNING SPACE



ACADEMIC BLOCK

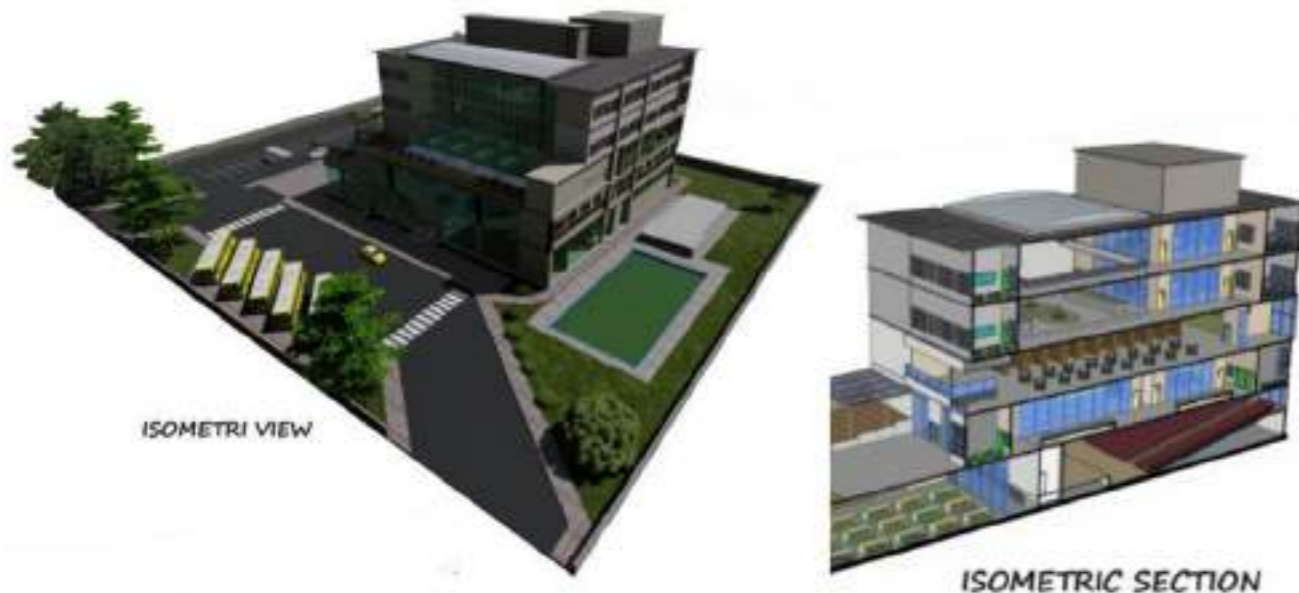


PRAKRITI INTERNATIONAL SCHOOL

Guide: Prof. Jambavati Gowda

Student: P.S.Vigneshwar | Registration number: 163701340

The aim is to design a biophilic learning environment to reconceptualize schools in urban spaces as children are sensitive to their surroundings, they have an innate tendency to explore and bond with the natural world known as biophilia.



BACKPACKERS HOSTEL DESIGN REQUIREMENT AT OM BEACH, GOKARNA

Guide: Prof. Kapil Grover

Student: Priyanka Dudeja | Registration number: 163701164

To provide budget oriented modern international hostel standards at om beach, Gokarna. Also achieving spatial mobility, experience seeking, performance and identity.



PRAVAHA ECO RESORT

Guide: Prof. Kapil Grover
 Student: Ritu Patel | Registration number: 163701284

The main focus is to create a serene experience for the visitors while adhering to the needs of the context by incorporating sustainable practices and eco sensitive measures on site.



RECREATIONAL RESORT

Guide: Prof. Kumar Vyomkesh
 Student: Vasantham Manogna | Registration number: 163701126

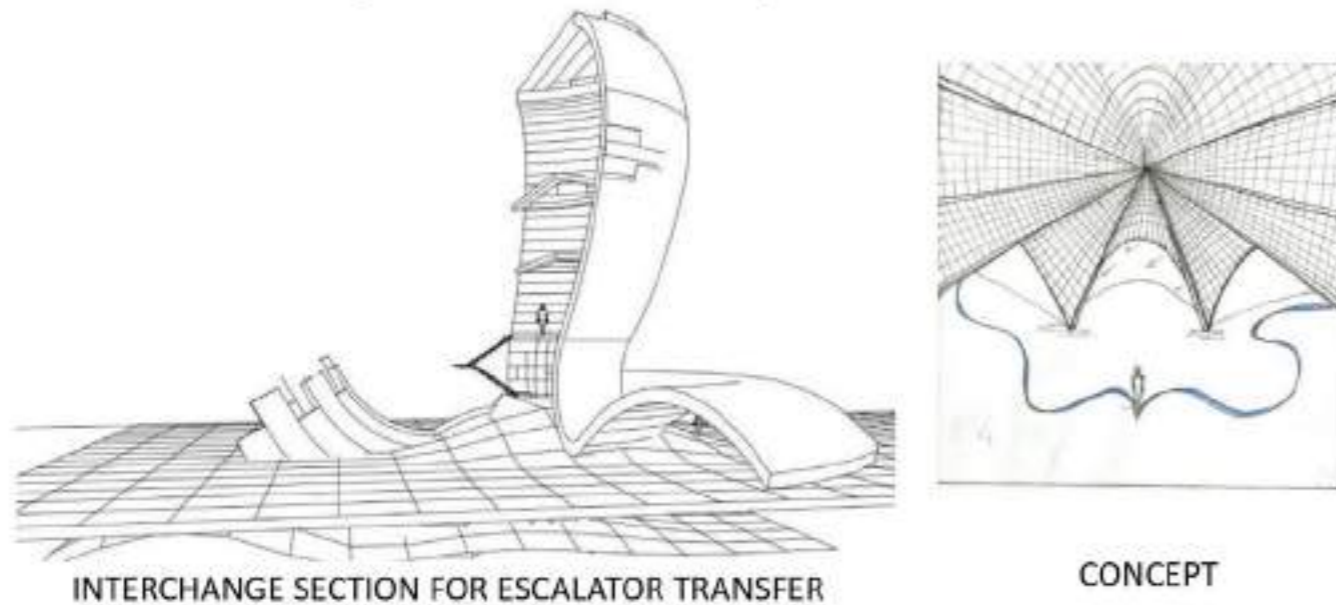
Resort is a place to spend holiday for relaxing and recreation so that, one can give a dynamism to their leisure times. Aim is to design a resort place to spent holiday for relaxation and recreation so that one can give dynamism to their leisure time.



THE METRO AND THE CITY: MUMBAI

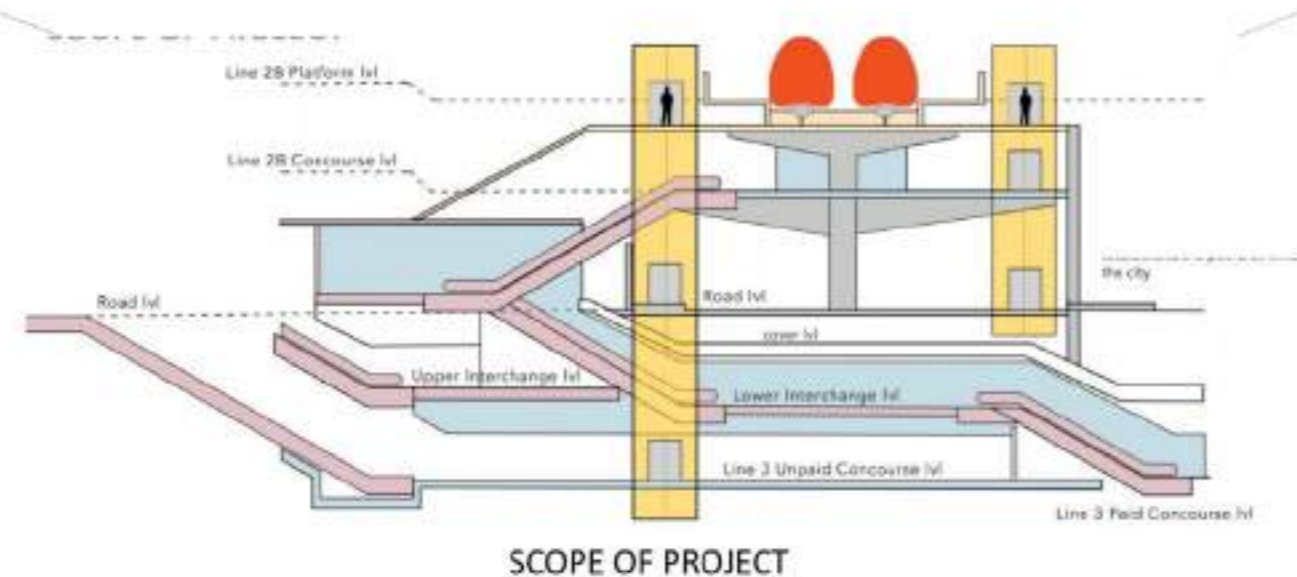
Guide: Prof. Amit Kinjawadekar
 Student: Shubhra Sharma | Registration number: 153701298

The aim of the thesis is to examine the relationship between station forms and individual experience and involvement. It also aims to infer with the design of an interchange metro station that enables greater interaction with public space and the urban environment. There has been emphasis given to optimizing the layout of station areas and integration with transit modal options.



INTERCHANGE SECTION FOR ESCALATOR TRANSFER

CONCEPT



SCOPE OF PROJECT

MEMORIAL AND MUSIC CENTER AT MANGALORE, KARNATAKA

Guide: Prof. Amit Kinjawadekar
 Student: Murali Mohana | Registration number: 163701006

The aim of this project was to immortalize the memories and life of Kadri Gopalnath through concepts and design elements that create a connection between the space, architecture and life of the artist. It also needs to provide a nurturing environment to promote new talents and the option of exploring the vast fields of music for the upcoming generation.



FRONT VIEW OF ADMIN BLOCK

WEEKEND CLASS PLAN

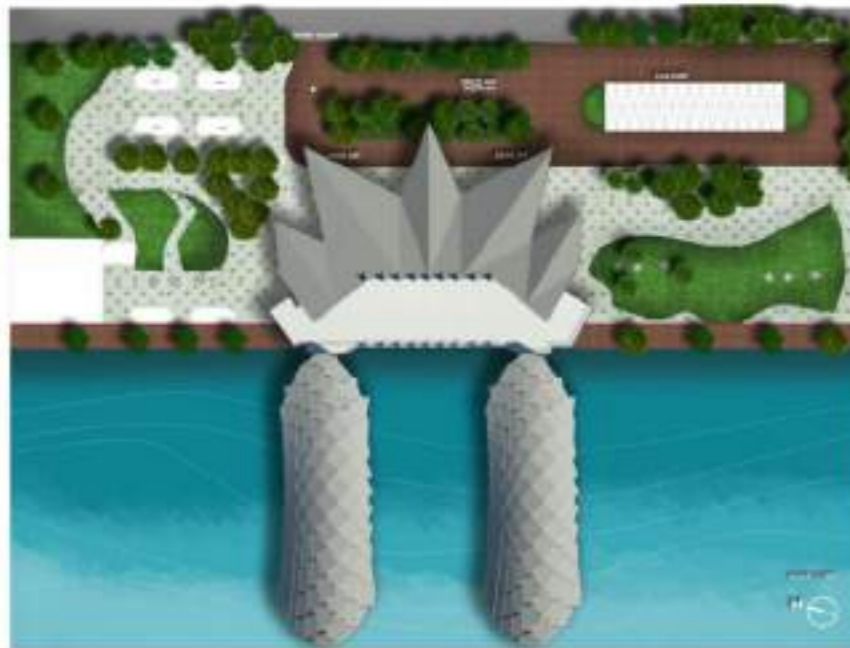


MASTER PLAN

ERNAKULAM FERRY TERMINAL

Guide: Prof. Amit Kinjawadekar
Student: K M Siddharth | Registration number: 163701252

The objective for this thesis was to propose probable/possible designs of the Ferry Terminals at Ernakulum, which records the highest ridership in the country. The goal was to design a ferry terminal capable of acting as an effective transit hub as well as a sheltered social gathering space.



SITE PLAN



VIEW OF WHARF



SITE SECTION

FISH AND MEAT MARKET, JALARIPETA, OLD PORT AREA, VISHAKAPTNAM

Guide: Prof. Amit Kinjawadekar
Student: Srinivas Shetty A | Registration number: 163701266

The aim is to design a fish and meat market with well defined spaces according to the different activity of the sellers, with enough space to support and accommodate the people of the fishing community residing in that area. The design also includes a drainage system along the vendor area to keep the space clean and dry and remove stagnation.



SITE PLAN



VIEW



ROOF PLAN



VIEW INTERIOR

NATIONAL INSTITUTE OF DESIGN, ARKULA, MANGALORE

Guide: Prof. Amit Kinjawadekar
Student: Michelle Rose Quadros | Registration number: 163701176

The objective behind this thesis was to design an institute that provides an initial model of learning and embracing new experiences for the upcoming designers to be inspired by a space that helps the student grasp and understand the impact and the motives of design and the effect it has on its surrounding.



EXTERIOR VIEW OF ADMINISTRATION BLOCK



ADMINISTRATION BLOCK



SITE SECTION

SHOPPING MALL, KHARGHAR

Guide: Meera Shaju
Student: Dev Agarwal | 163701368

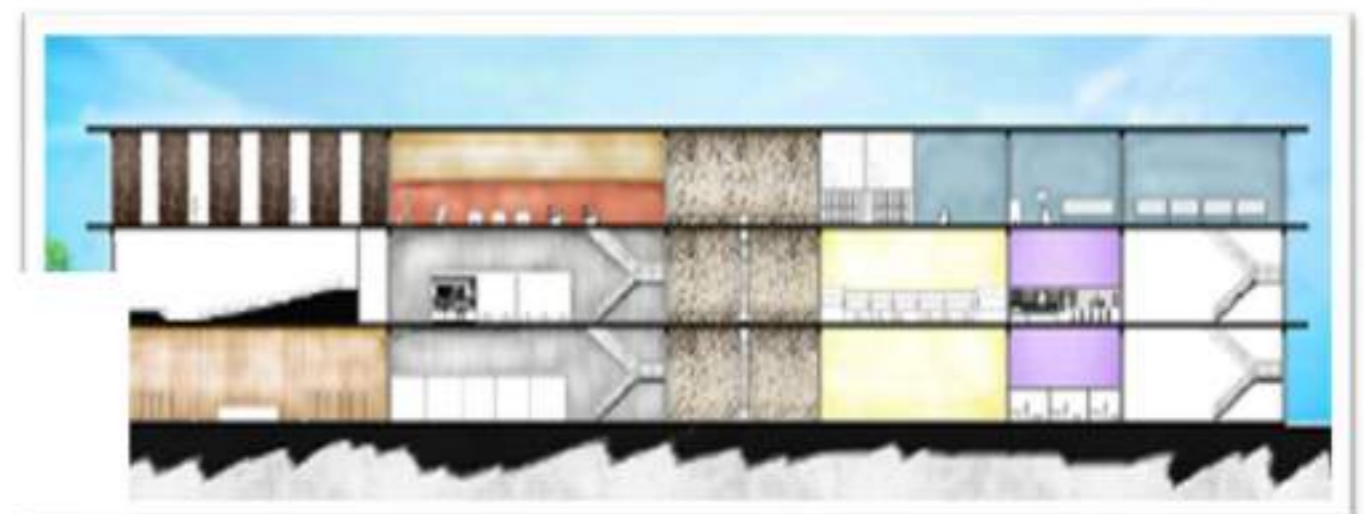
To create a space which can form the node for holding and experiencing commercial cultural and social activities, a shopping mall providing an iconic image and landmark of the city.



Site Plan



Plan

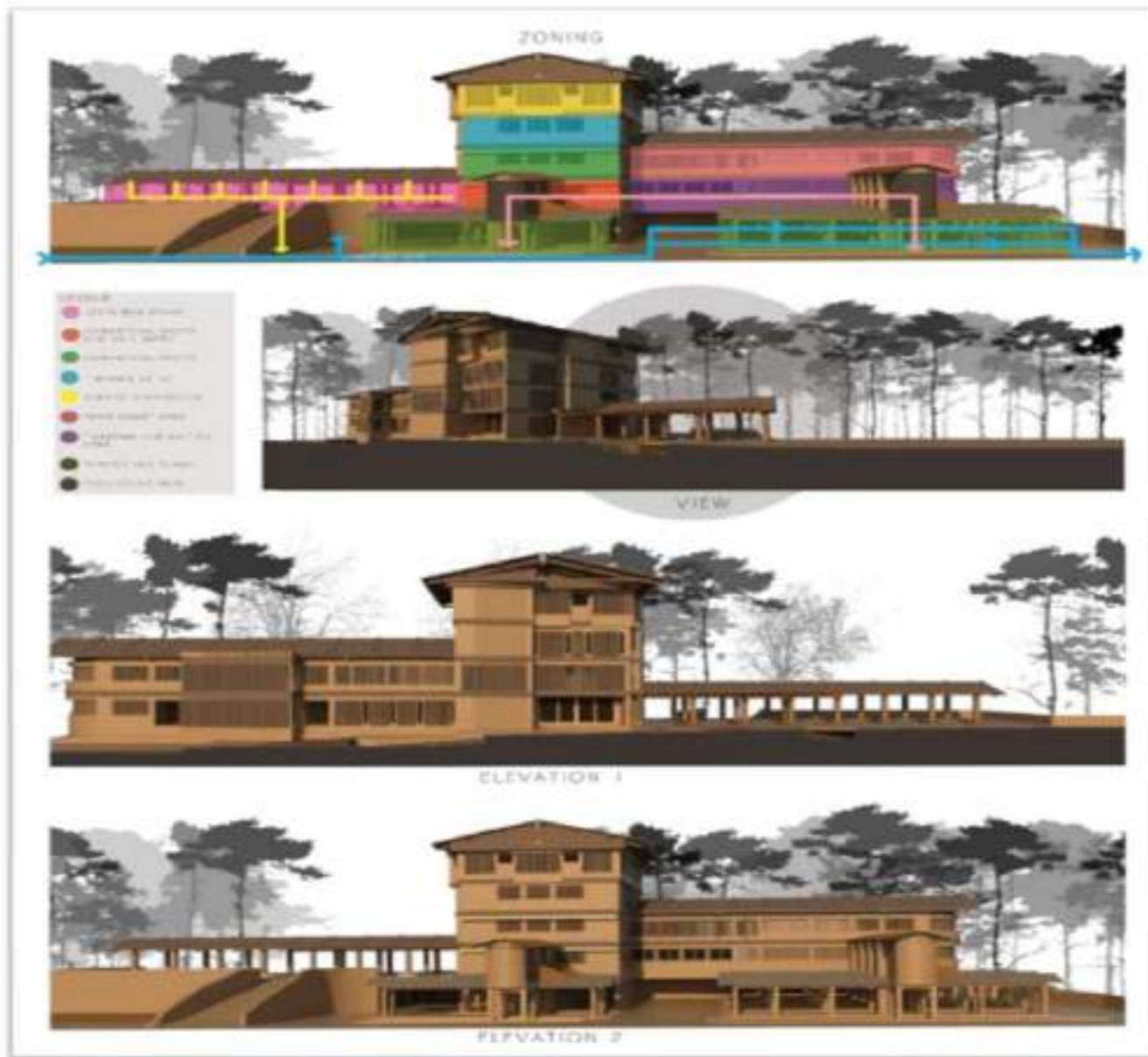


Section

REDEVELOPMENT OF OLD BUS STAND

Guide : Joicy K J
Student: M Sadananda Bhat | 163701021

To achieve design excellence and to come up with a prototype design for a bus terminal for future and urban scenario where space will become precious commodity and high bus trip will have to support from small site.

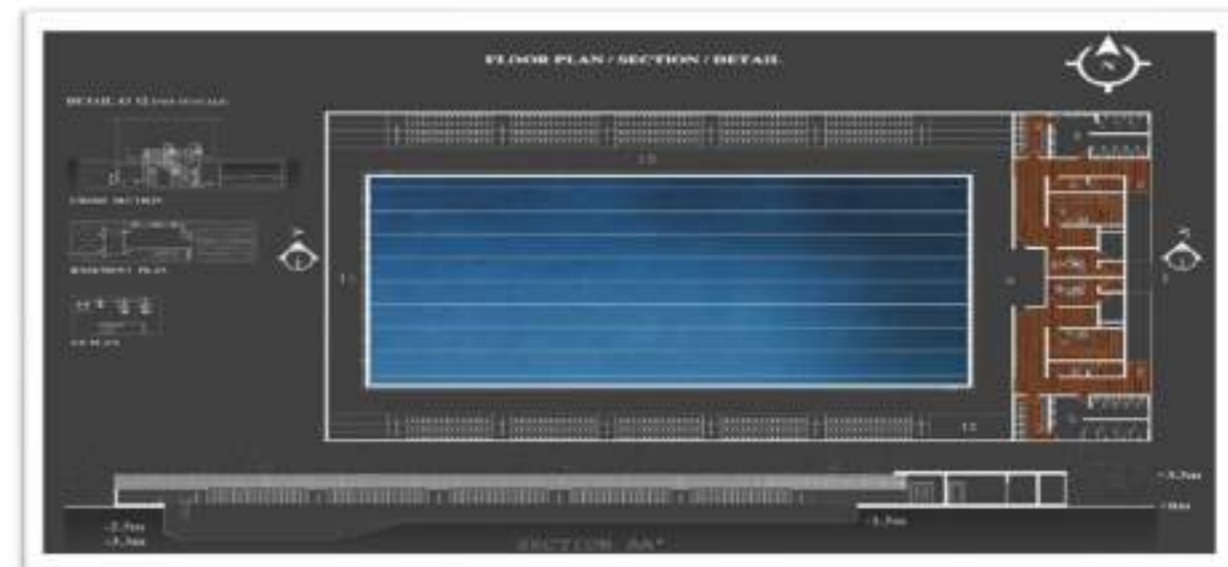


Views

HORIZON AN ADIDAS SPORTS ARENA

Guide: Meera Shaju
Student: Shri Sharenkumar S | 163701304

Project is to create an advanced training academy for the youth and to construct an international standard platform to conduct tournaments and other national level events and to promote sporting culture in the country and make way for sports tourism



Plan

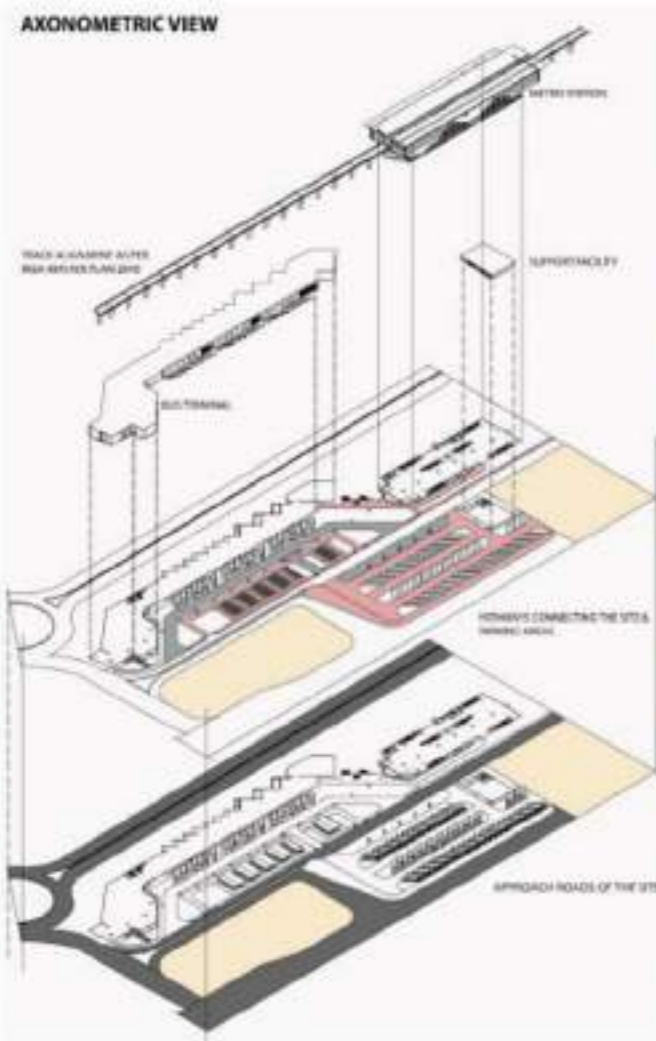


Design Detailing

MULTI MODAL TRANSPORT HUB: METRO STATION DESIGN, HYDERABAD

Guide: Abhinanda Chatterjee
 Student: Karri Meghana Reddy | Registration number : 163701078

Designing an efficient multi modal transport hub including a metro station and a bus terminal to solve transportation problems which can in turn reduce the congestion on the roads.



AXONOMETRIC VIEW



VIEWS

RETHINKING CULTURAL CENTER IN INDIAN CONTEXT

Guide: Abhinanda Chatterjee
 Student: Sreenidhi SB | Registration number : 163701174

Rethinking contemporary and cultural integration in a cultural center and how it can reach all typology of users through the design of spaces which are inclusive



SITE PLAN

REDEVELOPMENT OF UDUPI SERVICE BUS STAND

Guide: Abhinanda Chatterjee
Student: Suchandra Banerjee | Registration number : 163701198

To create a good environment for a bus terminal by providing easy and conflict free circulation for the pedestrians and buses in and around the terminus, and an iconic structure which will incorporate all the necessary functions pertaining to the present as well as future demands.



ANALYSIS: SURROUNDING STREETS

150 BEDDED MULTI-SPECIALTY HOSPITAL- KERALA

Guide: Abhinanda Chatterjee
Student: Siddhant Rohit Ulal | Registration number : 163701268

To rethink the planning, designing and structuring of Administration offices in India, by breaking away from certain conventional norms of design, like layouts, facades. Etc., by studying the effects of space on the user's efficiency and also to integrate the public realm into the public administration office.



AXONOMETRIC VIEW

RENDEZVOUS - SHOPPING MALL

Guide: Nikhil Kohale

Student: Anakha Mohanlal | Registration number : 163701068

This project aims to create a unique experience for users and to redefine the conventional, unvarying idea of a mall in Indian context. It is an amalgamation of traditional shopping culture, imbuing the concept of an open marketplace, with modern mall complex

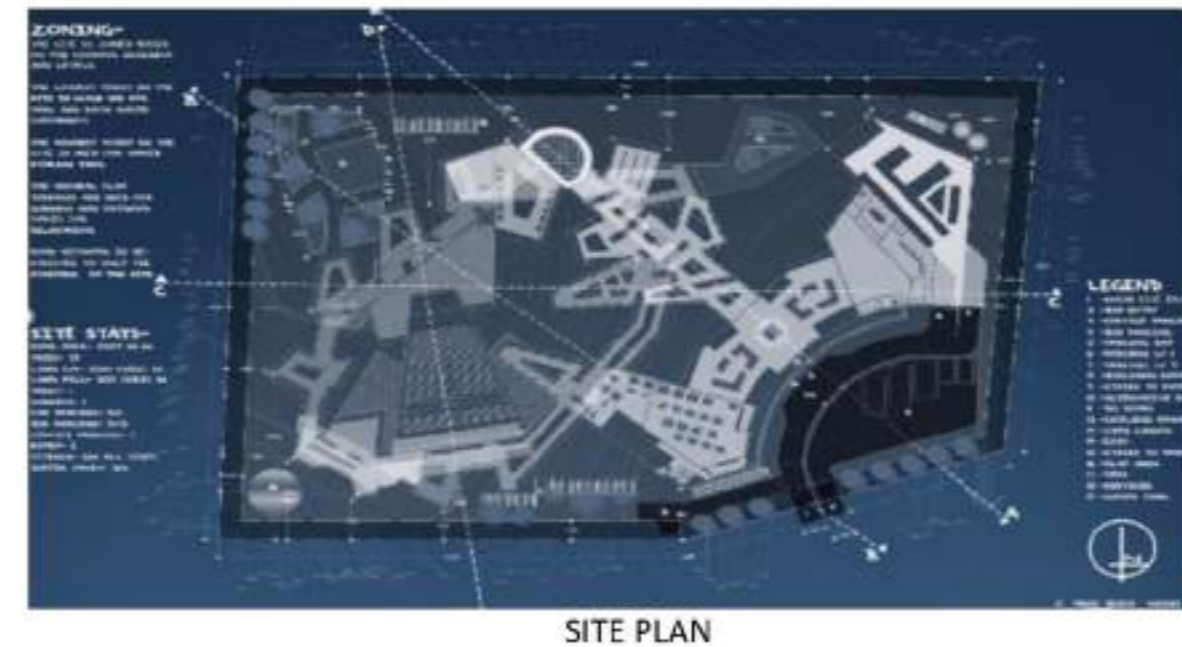


SCIENCE MUSEUM

Guide: Nikhil Kohale

Student: Vinith | Registration number : 163701088

The purpose of modern museums is to collect, preserve, interpret, and display objects of artistic, cultural, or scientific significance for the education of the public. From a visitor or community perspective, the purpose can also depend on one's point of view.



SCHOOL

Guide: Nikhil Kohale
Student: Michelle D | Registration number : 163701236

This project aims to create a unique experience for students to learn the significance and concept of the field intelligence ideas. This project makes students ready for the challenges and provide them a futuristic approach and aims to curate a successful future.



SITE PLAN



VIEW

A WELLNESS RETREAT

Guide: Uzma Khan
Student: Manisha Kumaran | Registration number : 163701194

The aim is to design a wellness retreat in Mysore that stimulates mental and physical healing as well as provides a relaxing and rejuvenating experience for the users. The users have a chance to learn with classes in healthy topics like meditation, yoga, nutrition or cooking.



MASTER PLAN



VIEW

ARTS AND CRAFTS VILLAGE

Guide: Uzma Khan
Student: Anurag Kodancha | Registration number:163701002

Arts and crafts village can be a place for experiential learning of crafts in an organic natural environment. On economical side, this arts and crafts village helps in generating revenue to the region by attracting visitors, encouraging younger generations to continue this profession and helps in retaining the arts and crafts of Udupi.



TELUGU CULTURAL MUSEUM – VISAKHAPATNAM

Guide: Uzma Khan
Student: Pratheek Cheruku | Registration number:163701166

The aim of the Cultural museum is to promote, preserve and showcase the artistic, cultural, historical, and ecological heritage of the state of Andhra Pradesh and to understand the Telugu community in the fields of culture and heritage.



MHRPA EQUESTRIAN CENTER

Guide: Shriharsh Ashok Dixit

Student: Meinam Franco Singh | Registration number:163701172

A Polo ponies and its games related complex with the required health facilities and others to make it amajor games andtourist hotspots proposed. The complex shall be able to find the various other needs to promote itself asaleading polo complex in the state.



SLUM REHABILITATION SCHEME

Guide: Shriharsh Ashok Dixit

Student: Meenal Vivek Kangralkar | Registration number:163701270

To Design a Housing Neighborhood that accommodates residents of different skill-sets and allows technological interventions in its Build-ing Design, Economic Base and Management. The project isproposed in Kolkalyan, Santacruz,which is one of the prime locations because of its unique geography and connectivity.



REVITALIZATION OF ERNAKULAM MARKET

Guide: Shriharsh Ashok Dixit
Student: Nithul Tomy | Registration number:163701007

To revitalize the Ernakulam Market precinct as an urbancultural hub. The absence of “mall-like” pedestrian-friendly spaces in the market has driven the precinct to deterioration and hence demands its revitalization, by weaving together the heritage with the contemporary.



ASSISTED LIVING FOR ADULTS AND CHILDREN WITH AUTISM

Guide: Pradeep Kini
Student: Kavya Srinivasan | Registration number:163701118

Aim of the project is to design a residential campus for children and adults with autism, administering all the vital training and guidance, thereby enabling them to live an independent life in a nurturing environment.



MULTI-UTILITY FACILITATION CENTER

Guide: Pradeep Kini
 Student: Pranav Mitra | Registration number:163701200

The aim is to create a space which can form the node for holding and experiencing leisure, retail and commercial facilities for tourists (both domestic and foreign) as an integrated system - "under one roof". This center combines shopping, retail and commercial offices with public amenities such as facilitation and skill development center to form an overall experience.



RESIDENTIAL APARTMENT WITH CLUBHOUSE

Guide: Pradeep Kini
 Student: Mounika Chowdary | Registration number:163701342

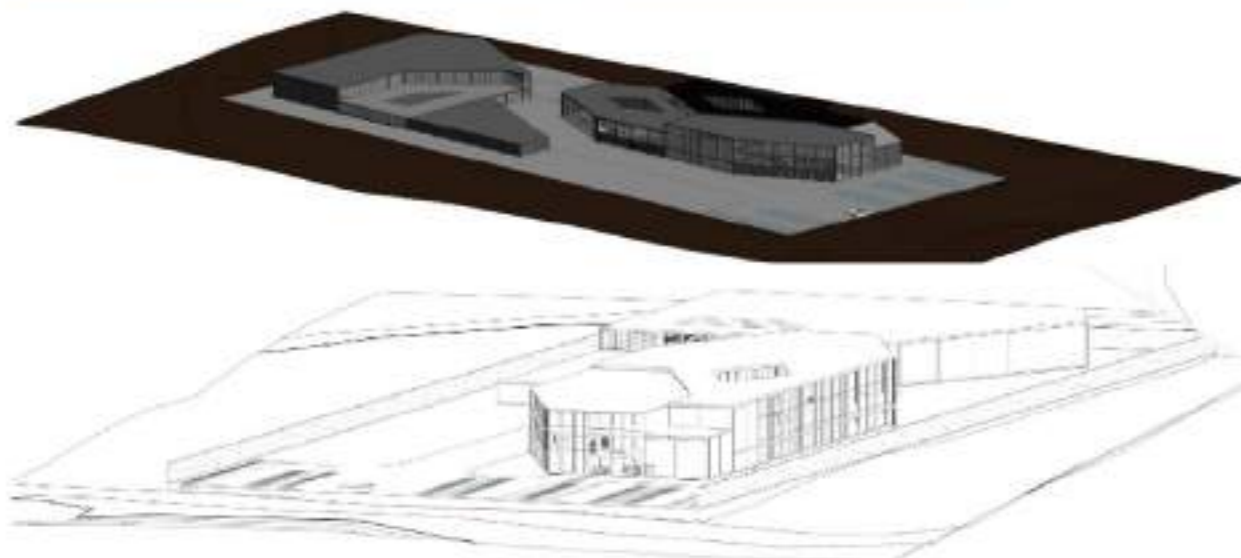
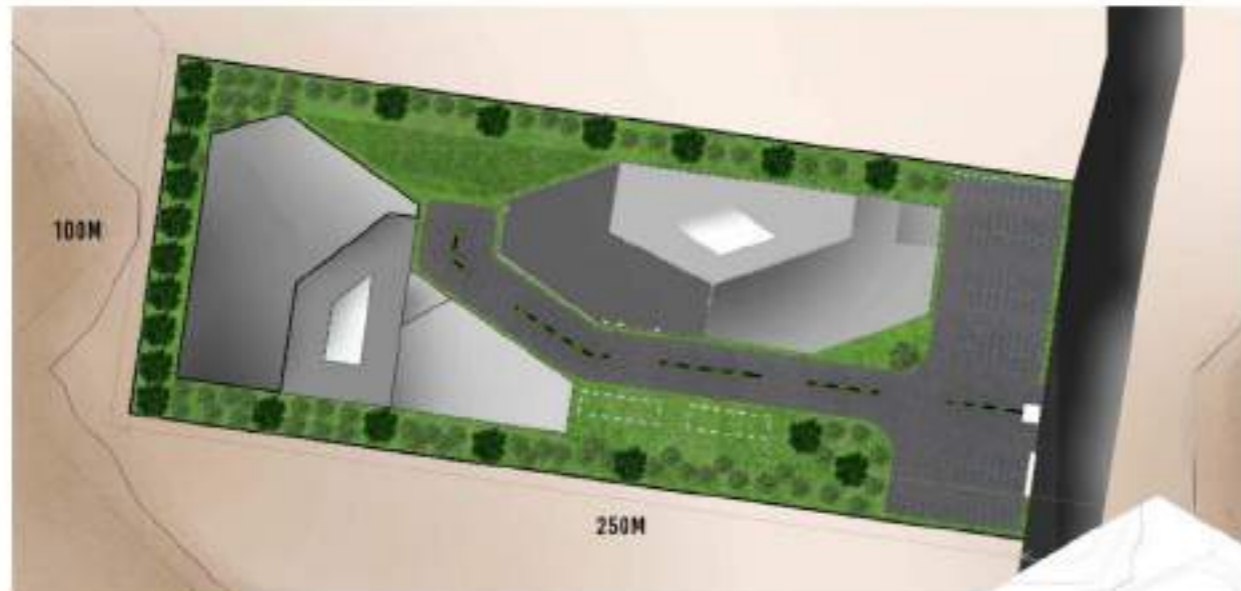
The project focuses on designing the facilities that are required for a apartment in consideration of the context being an residence and major use to the families by understanding circulation patterns , design considerations and how the local buildings function through case studies and data base reference.



EXHIBITION HERITAGE CENTER

Guide: Arunabha Bandyopadhyay
 Student: Srihari R | Registration number:163701204

To create a cultural connection and significance of the society to exhibitors and users from all backgrounds and over the world by proposing an exhibition structure to accommodate the same.



LUXURY RIVER SIDE RESORT

Guide: Arunabha Bandyopadhyay
 Student: Mohammed Shaz Husain | Registration number:163701294

To design a luxury resort along the banks of Gurpura river increasing the attractiveness and liveliness of the river. The aim is also to achieve the goals set out by the Karnataka Tourism Policy of 2015-20 by promoting sustainable tourism in Mangalore.



INTERACTIVE RESIDENTIAL COMPLEX IN AN URBAN SETTING

Guide: Arunabha Bandyopadhyay
 Student: Rohini Kumar | Registration number:163701298

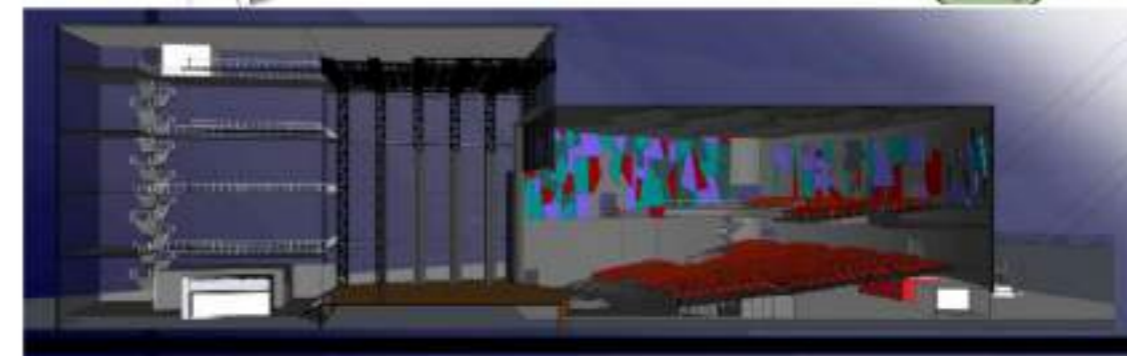
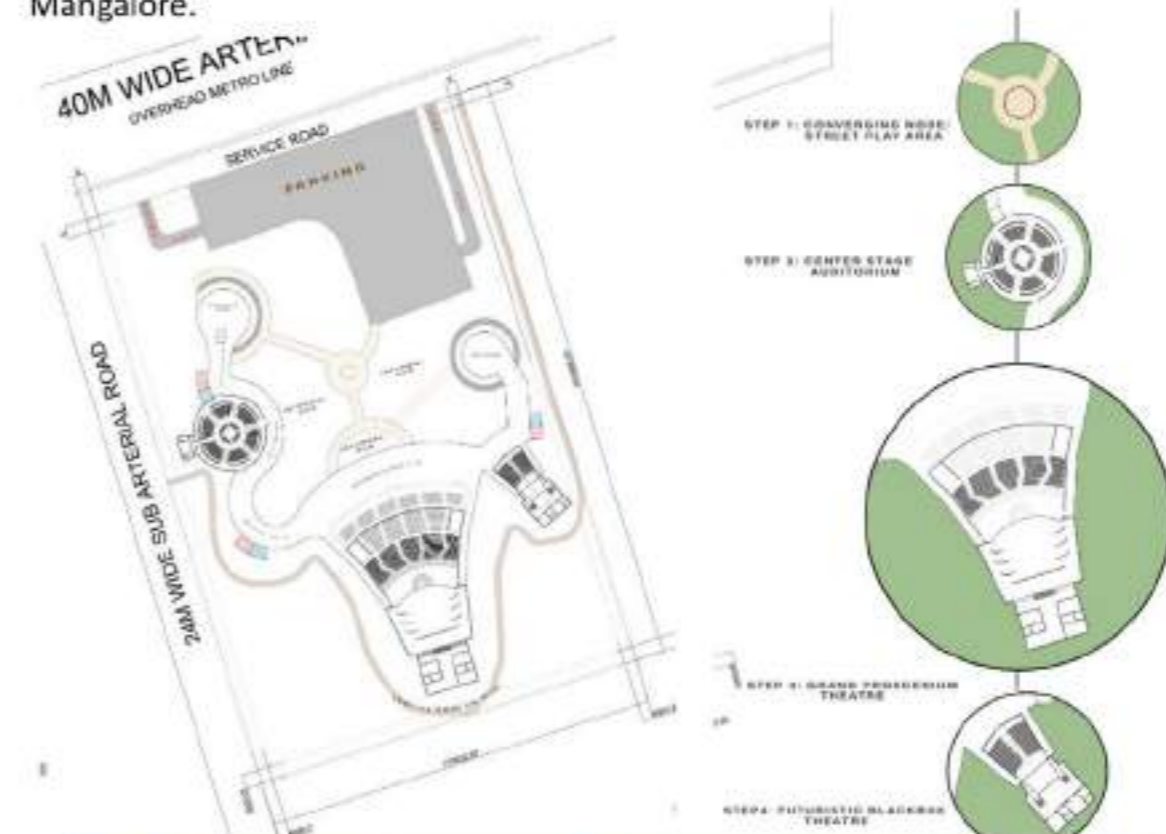
Designing a residential complex conducive to interaction and rejuvenation that greatly impacts the lives and helps develop healthy relationships for people of all age and socio-economic groups living in an urban context.



MUSEUM OF THEATRES

Guide: Arunabha Bandyopadhyay
 Student: Abhik Kanji | Registration number:163701282

To design a luxury resort along the banks of Gurpura river increasing the attractiveness and liveliness of the river. The aim is also to achieve the goals set out by the Karnataka Tourism Policy of 2015-20 by promoting sustainable tourism in Mangalore.



CO HABITAT- THE NEXT BIG THING

Guide: Sarmistha Chatterjee
Student: Haripriya Bhamidipati | 163701102

The project aims at creating a culturally inclusive commercial hub accommodating students and young professionals in Co -living spaces while creating coworking spaces with amenities for a location independent lifestyle.



MASTER PLAN



VIEWS



VIEWS

AURA FOUNDATION- PHYSICAL REHABILITATION CENTER

Guide: Sarmistha Chatterjee
Student: Samad Ahmed Husain | 163701234

The development of a centre, which looks into rehabilitation as a platform to empower the patients back to their physical strengths. Using connective system of health facilities that would allow the therapy to expand throughout the building



MASTER PLAN



SECTION

FILM ACADEMY- MATTANUR, KANNUR

Guide: Sarmistha Chatterjee
Student: Madhuri Muralidharan | 163701290

Setting up an international level of standard film training academy that would provide a platform for learning and create a structured environment to experiment and sharpen the skills by providing facilities for the students



MASTER PLAN

VOCATIONAL TRAINING CENTRE FOR TRIBAL GIRLS

Guide: Sanghamitra Roy
Student: Christina Rose Michael | 163701114

Full care residential centres (Child Care Institutions) intend to fulfil this longing by providing children a caring and nurturing environment with a sense of security. A safe place to sleep, a small cupboard to store personal belongings, a somewhat set pattern to life



EHSAAS SCHOOL AND VOCATIONAL TRAINING CENTRE FOR AUTISM

Guide: Nandineni Rama Devi
Student: Shreya Agarwal | 163701152

This project aims at designing a centre for children with autism and to create a built environment consisting of learning spaces specially for children dealing with autism.



MASTER PLAN



VIEWS



VIEWS

ZENITH STUDENT ACTIVITY CENTRE

Guide: Nandineni Rama Devi
Student: Jane Mendonca | 163701192

The design proposal aims to provide missing opportunities for the youth to seek and explore knowledge in the creative fields. Centre forms the bridge connecting the artistic surrounding community with the educational aspect of artistic fields.

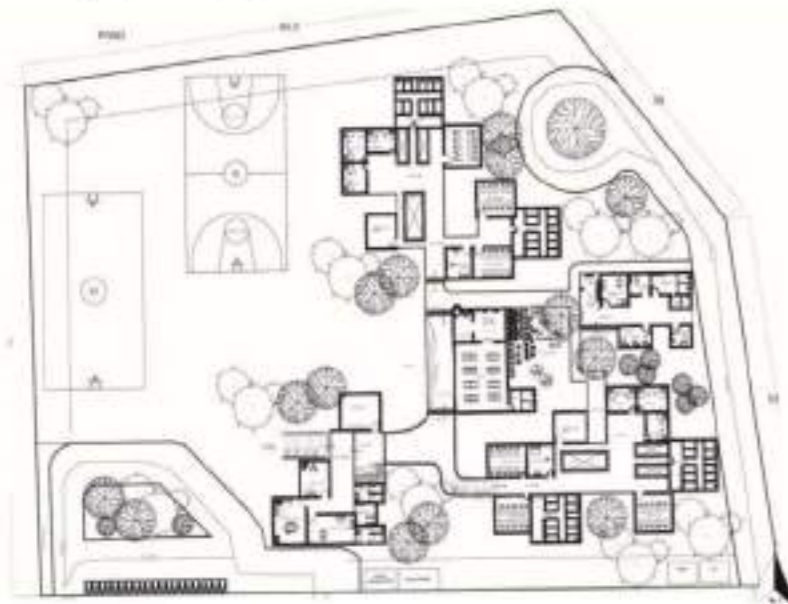


MASTER PLANS AND VIEWS

ORPHANAGE AND AFTER CARE SHELTER HOME FOR STREET CHILDREN , MANGLORE

Guide: Nandineni Rama Devi
Student: Apna Kuruvilla | 163701322

This project aims at providing nurture. The design of the space that allows sensory stimulations and encounters with the environment is important to the wellbeing and healthy upbringing of children .



MASTER PLAN



VIEWS



VIEWS

CONTEMPORARY ART MUSEUM , NAVI MUMBAI

Guide: Prof. Nandineni Rama Devi
Student: Kanishk Gupta | 163701336

This project aims to design and develop a contemporary art museum that keep on evolving with the displays. This set up for museum can be complimented with auditorium, shops, assembly area, etc.



PLANS AND VIEWS

CONVENTION CENTRE AND HOTEL, AMRAVATHI, ANDHRA PRADESH

Guide : Sruthi Premnath
Student: Pranay Gopal | 163701260

The project's main purpose is to accommodate guests visiting the city and provide them with world class facilities. The design shall inculcate innovative design techniques to also reduce the buildings overall carbon footprint.



MASTER PLAN



ELEVATION



VIEWS

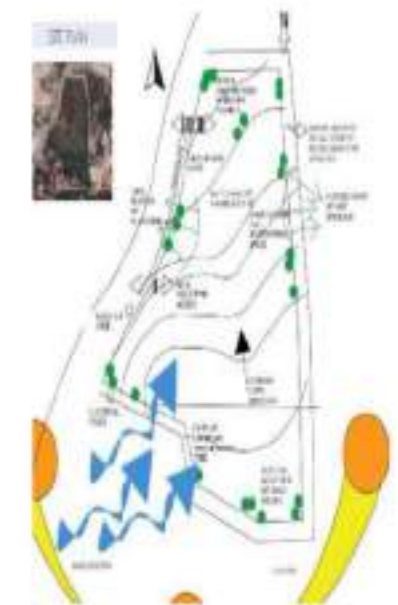
HOUSING FOR SENIOR CITIZENS, KARNATAKA

Guide: Prof: Babar Javed
Student: Nidhi Kuckian | 163701366

This project focuses on adapting services and infrastructure dedicated to the senior citizens. The quality of life of the elderly can be improved by focusing on aspects such as health, socializing, security and learning.



MASTER PLAN



SITE PLAN



ELEVATION

ELEVATION

RESIDENTIAL APARTMENTS, PANAJI, GOA

Guide: Prof. Amarnath Sharma
 Student: Mukesh Suthar | 163701314

Residential and commercial developers, leasing agents and tenants all benefit from such properties. The project basically includes a development of a site as a small community which includes apartments as a major part and some commercial as per the site requirement.



DEVELOPMENT OF ECO RESORT, IN YANA, KUMTA, KARNATAKA

Guide: Prof. Babar Javed
 Student :Aditi Srivastav | 163701005

The resort aims to be eco-friendly, aims to promote eco-tourism in resort and maximize interaction with the greens, the streams, and wildlife being at close proximity with the tourist spots of the village



AMARAVATHI SPORTS CITY, AMARAVATHI, ANDHRA PRADESH

Guide: Amarnath Sharma
Student: Chunduri Geethika Sri Vyshnavi | 163701210

Amaravati is an upcoming city, considering the new spaces developing within the city for the people of AP and the neighboring residential settlement, the necessity of a recreational space enhanced. Hereby, the project aims to provide facilities to the residents of Andhra Pradesh and the local people residing at the place.



RENDERED VIEW



MASTER PLAN



VIEWS

VERTICAL CORPORATE CAMPUS, KOLKATA

Guide: Amarnath Sharma
Student: Vinay Goyal | 163701256

The project aims to create a professional work yet social environment for 2700 employees and to incorporate ways to improve work experience and productivity through design and planning for the growth of both the employee and the company.



MASTER PLAN AND ELEVATION

HOME FOR SENIOR CITIZEN, A RETIREMENT COMMUNITY

Guide: Prof. Kala CM
 Student: K Supreetha Shetty | 163701112

A project that aims to create better life quality for older people. The provision of proper advanced facilities and a structure situated in a peaceful region to ensure an ideal retirement community facility aiding seniors to be in a greater network.



VIEWS

VIEWS



SECTION AND ELEVATION

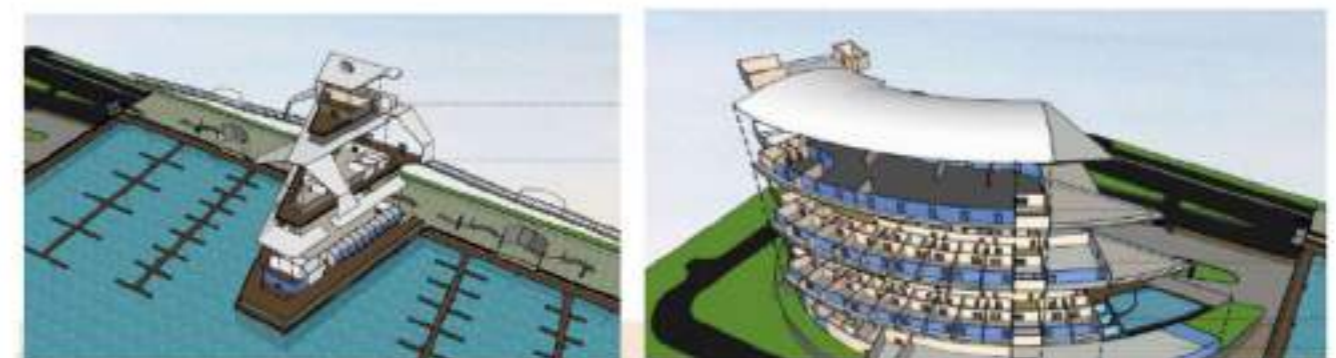
TOURIST MARINA- PADUKERE, KARNATAKA

Guide: Prof. Kala CM
 Student: Shalom Aureole Britto | 163701196

The project provides various facilities for living and lodging for both tourists and sailors. The attraction to water, along with boats will have a power of drawing attention and create employment opportunities for youth living in the island.



MASTER PLAN

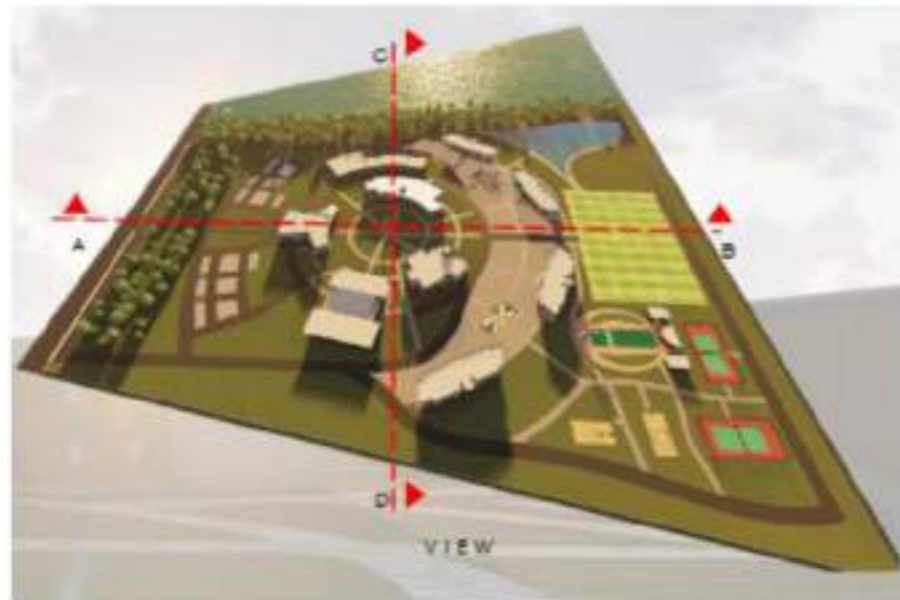


VIEWS

MARITIME TRAINING INSTITUTE- RESIDENTIAL

Guide: Kala CM
Student: Vishnu Moovankara | 163701364

A residential campus for a Maritime Training Institute with sustainable structure and training facilities which helps students develop their skills and talent that would enable them to become high caliber seafarers.



SITE VIEW



VIEWS



VIEWS

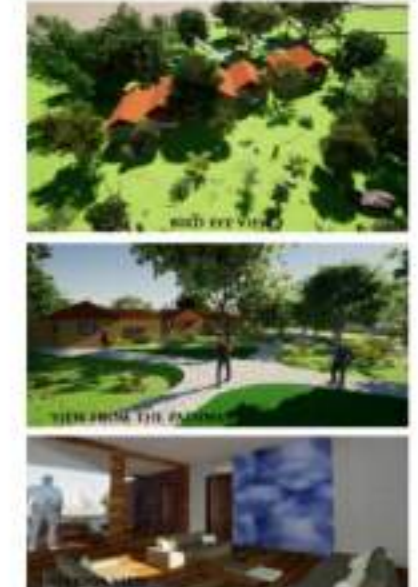
ECO RESORT- AGUMBE, KARNATAKA

Guide: Lakshmy Menon
Student: Manu HR | 163701330

An eco resort designed with facilities that have minimum impact on the local environment making it a sustainable accommodation promoting eco tourism and giving the visitors a 'tropical experience' and mental relief.



VIEW



VIEWS



SECTION

AIRPORT TERMINAL DESIGN SHIMOGA, KARNATAKA

Guide: Kala CM
Student: Sharvani Bhat | 163701220

A new terminal building designed promoting the idea of a self sustained airport with a barrier free and efficient design that ensures ease of passenger movement throughout the airport keeping it well planned and accessible



SIDE VIEW – NORTH WESTERN SIDE



VIEW – SOUTHERN SIDE



VIEWS



VIEWS



NORTH ELEVATION



SOUTH ELEVATION



ELEVATIONS

BEACH RESORT- MALPE, KARNATAKA

Guide: Prof. Kala CM
Student: Shreya J Puthran | 163701264

A sufficient accommodation designed with locally available materials, making it an environment friendly structure with an aim to provide tourists with comfort during their stay while at the same time clustering them from the primary attraction



MASTER PLAN



VIEWS



VIEW

METRO STATION AT BATAMALOO, SRINAGAR

Guide: Kumar Gaurav
Student: Dawar Manzoor Mir | 163701017

To design the Batamaloo metro station which will act as a transit hub of the city, having multiple metro lines crossing through and various modes of public transportation facilities, along with commercial and recreational activities.



MASTER PLAN



SECTION

URBAN RENEWAL AND REDEVELOPMENT OF HISTORIC ECONOMIC CENTRE, KRISHNA RAJENDRA MARKET

Guide: Kumar Gaurav
Student: Srishti A Rao | 163701212

To upgrade and redevelop, that is to give redesign/reorganise K R Market for optimal utilisation and create safe, healthy, well-connected and vibrant Historic Economic Centre.



MASTER PLAN



VIEWS

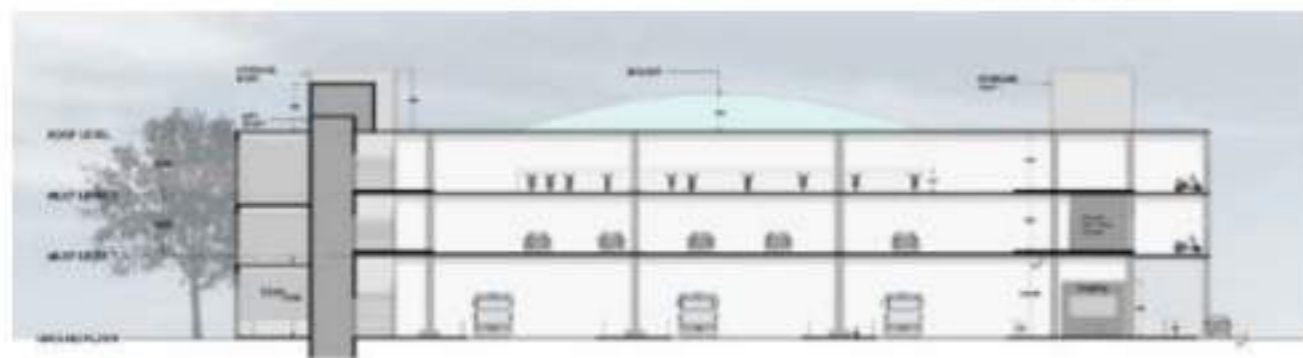
REDEVELOPMENT OF SHIVAJI NAGAR BUS STATION, BANGALORE

Guide: Kumar Gaurav
Student: Ayesha Moquim | 163701214

To redevelop the Shivajinagar Bus Station into a multi-modal transit hub in the city of Bangalore, integrating the Bus Station to the upcoming underground Metro and increasing the walkability of this area.



MASTER PLAN

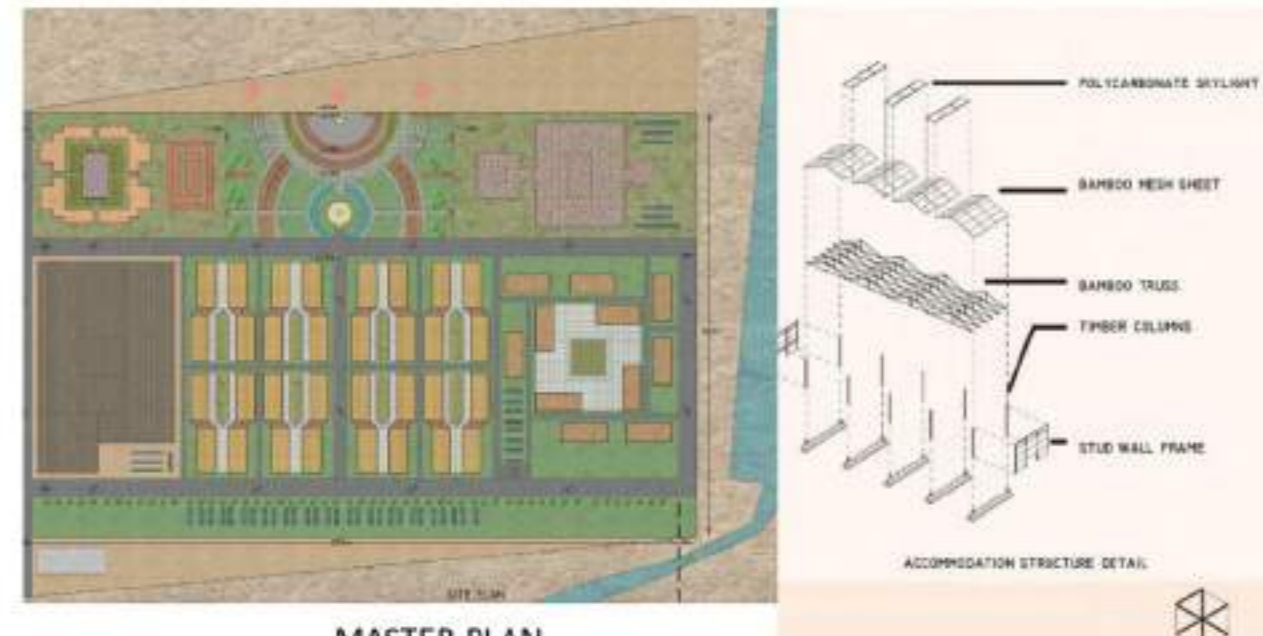


SECTION A-B
SECTION

RIVERFRONT DEVELOPMENT, RAJIM KUMBH MELA

Guide: Kumar Gaurav
Student: Sridhar Khedia | 163701376

To explore the idea of designing temporary riverfront settlement for the Kumbh Mela. The design development will focus on catering all the infrastructural needs of the mega event.



MASTER PLAN



VIEWS

JUVENILE REHABILITATION CENTER

Guide: Rituka Kapoor

Student: Ananya Sebastian | 163701009

Today in India the incidents of juvenile crime is escalating. The role of institutions housing juveniles in conflict with the law does not stop at just handing out punishments. The role should be extended to the rehabilitation of these children to ensure that they are well equipped to handle life outside the institution.



MASTER PLAN



SECTION

HIGH-RISE RESIDENTIAL PROJECT

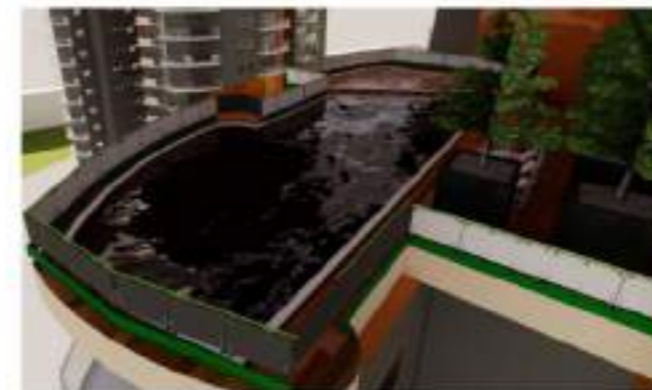
Guide: Rituka Kapoor

Student: Abin Kurian Zacharia | 163701168

This thesis aims to develop a high-rise residential project in Electronic City, which is the IT hub of Bangalore. A child-centric residential project was already proposed by Godrej in the site, which consists of seven residential towers and amenities.



MASTER PLAN



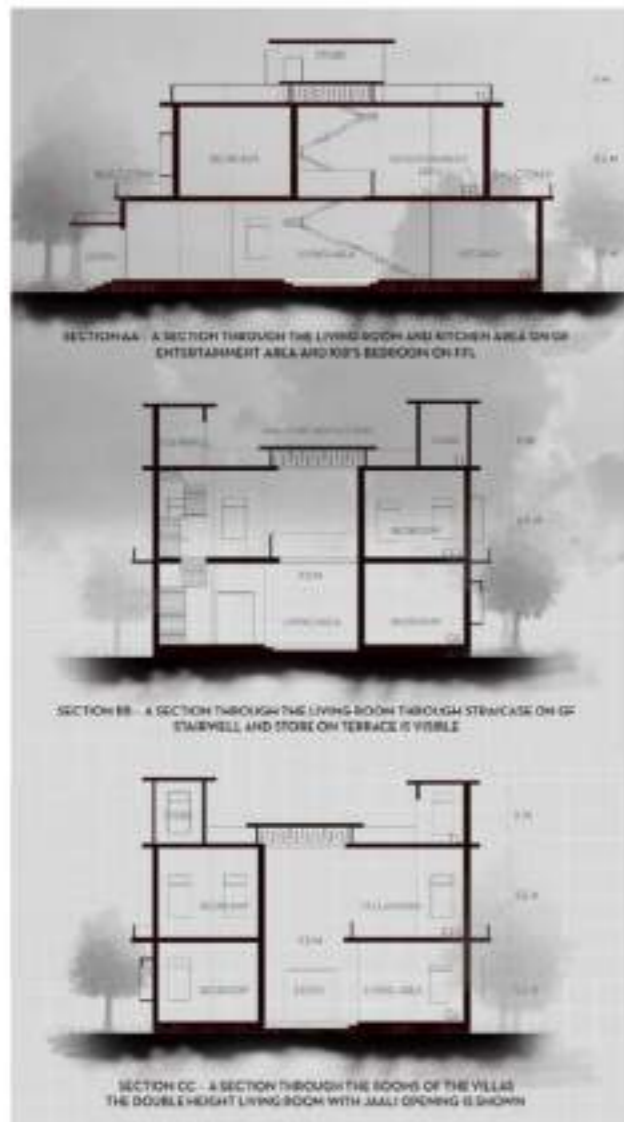
VIEWS

HOUSING PROJECT, JAIPUR

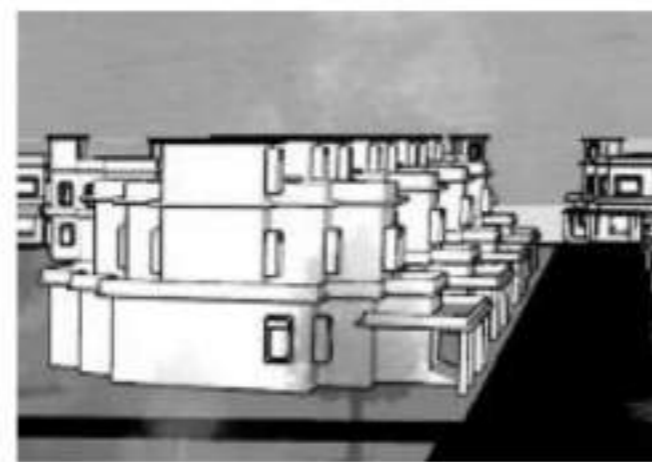
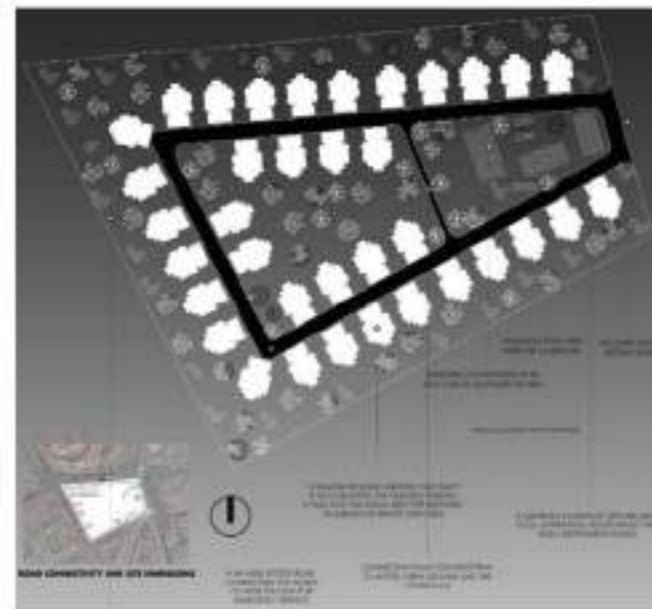
Guide: Minal Shetty

Student: Himanshu Agarwal | 163701034

The aim of the project is to address the housing demand of India and design a leisure housing community for high income groups using the traditional concept of a city.



SECTION

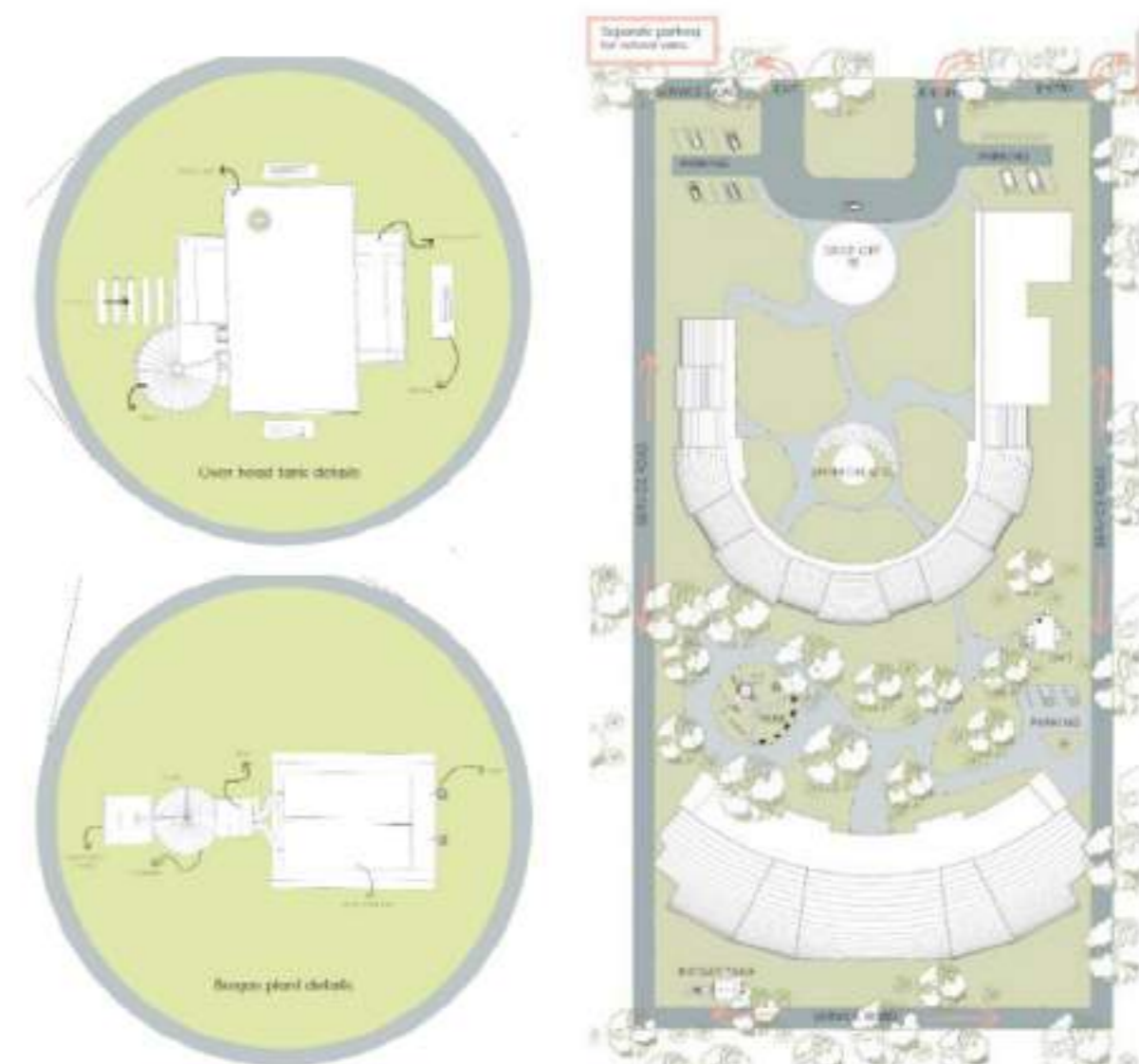


DRIFT, FLOOD RESILIENT REHABILITATION CENTER

Guide: Minal Shetty

Student: Sneha Sheela Ramesh | 163701258

The project 'Drift' is meant to be a prototype for other resilient rehabilitation centers that could be built across India to provide the people and animals affected, with not just basic necessities like food and shelter but also a feeling of comfort and security.



PLANS

MASTER PLAN

HOUSING PROJECT, JAIPUR

Guide: Sundeep Kumar S
 Student: Vishwanath M | 163701116

The aim of this project is to rejuvenate the polluted canal, make developments along the Canal for the retail shop owners and other commercial business stakeholders, and to make the public infrastructure and amenities better.



SOS CHILDREN'S VILLAGE, MANIPAL

Guide: Sundeep Kumar S
 Student: V Krithi | 163701146

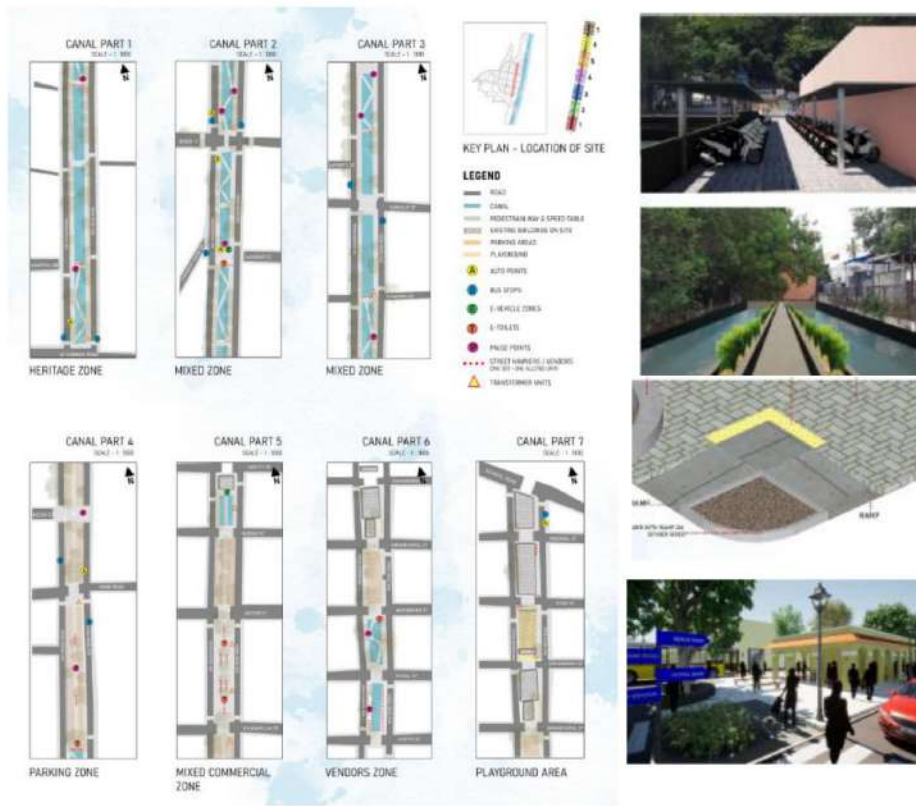
To design a community for abandoned, destitute and orphaned children such that they are provided with a home and family which helps them grow in a supportive and loving environment



HOUSING PROJECT, JAIPUR

Guide: Sundeep Kumar S
 Student: Vishwanath M | 163701116

The aim of this project is to rejuvenate the polluted canal, make developments along the Canal for the retail shop owners and other commercial business stakeholders, and to make the public infrastructure and amenities better.



MASTER PLAN



VIEW

SOS CHILDREN'S VILLAGE, MANIPAL

Guide: Sundeep Kumar S
 Student: V Krithi | 163701146

To design a community for abandoned, destitute and orphaned children such that they are provided with a home and family which helps them grow in a supportive and loving environment



VIEWS

REHAB AND RESCUE CENTER FOR STREET CHILDREN

Guide: Sanghamitra Roy
 Student: Aradhika Chakraborty | 163701024

Full care residential centres (Child Care Institutions) intend to fulfil this longing by providing children a caring and nurturing environment with a sense of security. A safe place to sleep, a small cupboard to store personal belongings, a somewhat set pattern to life



RESIDENTIAL SCHOOL FOR VISUALLY IMPAIRED CHILDREN

Guide: Sanghamitra Roy
 Student: Samira Abraham | 163701036

This thesis proposes a residential school for the visually impaired, which would cater to students from primary to middle school (grade 7) after which they may be integrated into regular schools.



Faculty Co-ordination & Documentation Incharge :
Prof. Prarthana Narendra

MArch, MUDD

Thesis

Faculty: Prof Pradeep Kini
Student: Nikhil Mohan

Kalaripayattu is one of India's oldest and most extensive art forms, rather than the world, as it has an excellent system of physical training, successful self-defense techniques, both armed and unarmed, excellent endurance training for physical and mental strength, and is based on the Dravidian culture of India. Kalaripayattu is considered to be the foundation of all martial arts. The research progresses from defining the cultural and heritage history of martial art, its development in Kerala and the world, to addressing design issues through the research of Kalari centers in the district of Kozhikode. By analyzing and inferring data from these case studies, the project aims at proposing a Centre for Kalaripayattu in Kozhikode district of Kerala taking into consideration the sustainability principle with respect to regional context. The proposal addresses needs of Kalari practitioners also keeping in mind the social impact the Centre would have on the State and thereby worldwide. Also through this study, a conscious effort is made to learn about sustainability, its principles on site selection, sustainable ways to make the site more self-efficient and adaptive and also to use materials with minimal carbon footprint.



Figure 40: View of Kuzhi Kalari

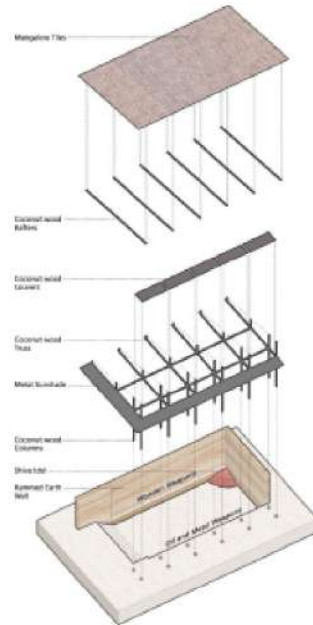


Figure 39: Axonometric view of Kuzhi Kalari



Figure 41: View of Kalaris from the deck

Housing and Community Planning

Faculty: Prof. Sanjeev Kumar
Student: Aman K. | 203710008



Aman K.

Preparing a design/ policy brief for housing in your area/ city addressing the problems and shortcomings as identified

Brief

If the concerning authorities are interested in overcoming the explosion of the growth of slums by developing various affordable buildings, they must re-evaluate, examine and reassess their building and planning regulations. The municipality and development authorities should try to procure insights into the feasibility of implementing planning and building regulation modifications while developing an alternative layout. The willingness to consider realistic and rationale modifications will benefit evidently and demonstrate a sense of attention and caution. The regulations that have been formulated years ago with results, outcomes and their unintended repercussion should be reconsidered. They relate directly to the effectiveness, cost implication and impact on society.

One way is to critically analyze the costs and advantages of development regulations. Meticulous formulation of bye-laws must take into consideration the expense of resultant built fabric and affordability concerning the residents' income. The societal advantages of developing from displacing millions of current slum dwellers into the formal sector, legally built housing and averting the formation of future slums are reasonable. A critical scrutinization should determine the consequences of every regulation and provide the concerning authorities with the information necessary to amend the regulations to increase the quality and quantity of affordable housing that can be proposed within the market.

Another aspect is relaxing the standards. Standards for affordable housing should encourage higher density evolution that permits more persistent land utilization. wherever construction is reasonable or low than land in low-income housing markets, it makes viable sense to substitute the construction of the space for land as an input factor. Relaxing standards and regulations will make evolution more realistic and viable so that affordable housing is affordable to the urban poor and at the same time cost-efficient for the makers or the developers. Progressing away from prescriptive standards to performance standards will secure an admissible level of building performance, reduce unnecessary costs, increase design flexibility, meet construction and practical standards demonstrating that it has the latent to improve the quality of life for the occupants.

Another important asset is encouraging the private market supply for affordable housing . The authorities should augment various strategies to motivate the private sector in constructing more affordable housing that is better suited to the level and

distribution of household incomes in the city. A market-friendly structure will encourage the private sector to respond to the existing demand for small-sized, good quality formal sector homes. Relaxation in government regulations will increase the building and land utilization intensity providing a cost incentive for the private sector to move down the market to build affordable housing at larger scales that counter the present demands and increase the affordable housing stock in the city. However, proposing mechanisms to increase an affordable housing driven market should be cautiously framed to guarantee developer accountability and consumer acceptable products. Relaxing these regulations has the capability to scale up the private sector affordable housing supply that is in line with the income range of urban slum dwellers.

A framework of policy should be aiming mainly at two aspects that are, improving the reach of the formal market and removing bottlenecks for the construction process. The first aspect can be achieved by an approach that includes increasing the land supply. By utilizing the huge amounts of land parcels of the government especially in the central places to construct more efficient affordable housing along with public infrastructure. The issue of resolving the land title should be approached by adopting the Torrens system and allowing squatters right to some part of the parcel which can be converted to either occupancy rights or rights that are transferable to more appropriate locations of affordable housing.

The second aspect of removing procedural bottlenecks for construction can be achieved by issuing tenure rights that are sometimes transferable to the squatter which will result in investments improving the quality of life that exists within these properties. Subsidizing those who cannot afford housing in even the most efficient market. Further, not taxing the poor and not-rich segments and reducing the house taxes across the board for income groups where high-end properties can be taxed to cross-subsidize affordable housing. Judicious government involvement especially recognizing and addressing the particular failures in the land, the necessity to coordinate urban, transport and infrastructural planning with housing so that the locational and contextual value of all the projects improve while reducing the travel time, cost expense in commuting will have to be a significant part of the framework to make the housing for all actually successful.

Conclusion:

Regulation affects the affordability of legally built housing and have a high impact on the affordability and force many poor dwellers to reside in the slums. Thus mandatory minimum standards when applied together increase the value of construction while restricting intensive land utilization and consumption of permissible FSI. Thus even in conditions of high cost and constrained land availability and low FSI stipulation, it is possible to significantly increase the amount of built fabric and at the same time reducing the cost by relaxing minimum mandatory standards. Relaxing standards have the potential to increase the supply and availability of affordable housing sufficiently to deal with this inadequate shortfall while not lowering the quality or compromising safety. In developing cities like Ahmedabad, which is flourishing with large-scale informality and where a portion of the urban population resides in slums, regulative reform has the potential to displace those slum dwellers into good quality, formal sector legally built affordable housing.

Research Method

Faculty: Prof. Ratna Sravya Yandamuri
 Student: Aman K. | 203710008



Hereditament: A modern asset

Making the choice

Inheritance is the greatest resource we have. Historical facets are loaded with intrinsic parts of human civilization. Being the roots of various forms of contemporary architecture, it has a silent transforming impact over present urbanization. Rejuvenating and enhancing the heritage we have in spatial, urban; cultural and landscape contexts will bring back the experience of the past and help in revitalizing the heritage that we possess. The idea will not only help in reincarnating the structure but also resolve many issues concerning the present generation.

Aim

To study appropriate alternative ways of transforming the inherited resource from static to active providing them with a possibility of rebirth.

Objectives of research

- Address the significance of inherited resources that we possess and reveal how the answer to our many future questions lie in the past.
- Develop a transparent understanding of all the factors that come into play and their role along with their merit and demerits.
- An attempt to determine whether the current practices associated with the topic are efficient enough and whether the outcomes are positive or not.

Research questions

- How can we bridge or link past and present to make a better future?
- How do we recognize and interpret the legacy and its value for future use?
- How can we achieve our goal of redefining the inheritance without hampering the original characteristics of it and preserving its story?
- Whether the current practices in this particular field of topic are efficient and resulting positive outcomes or not?
- Way to contribute positively to the fabric of the city and the unique qualities of adjacent neighborhoods

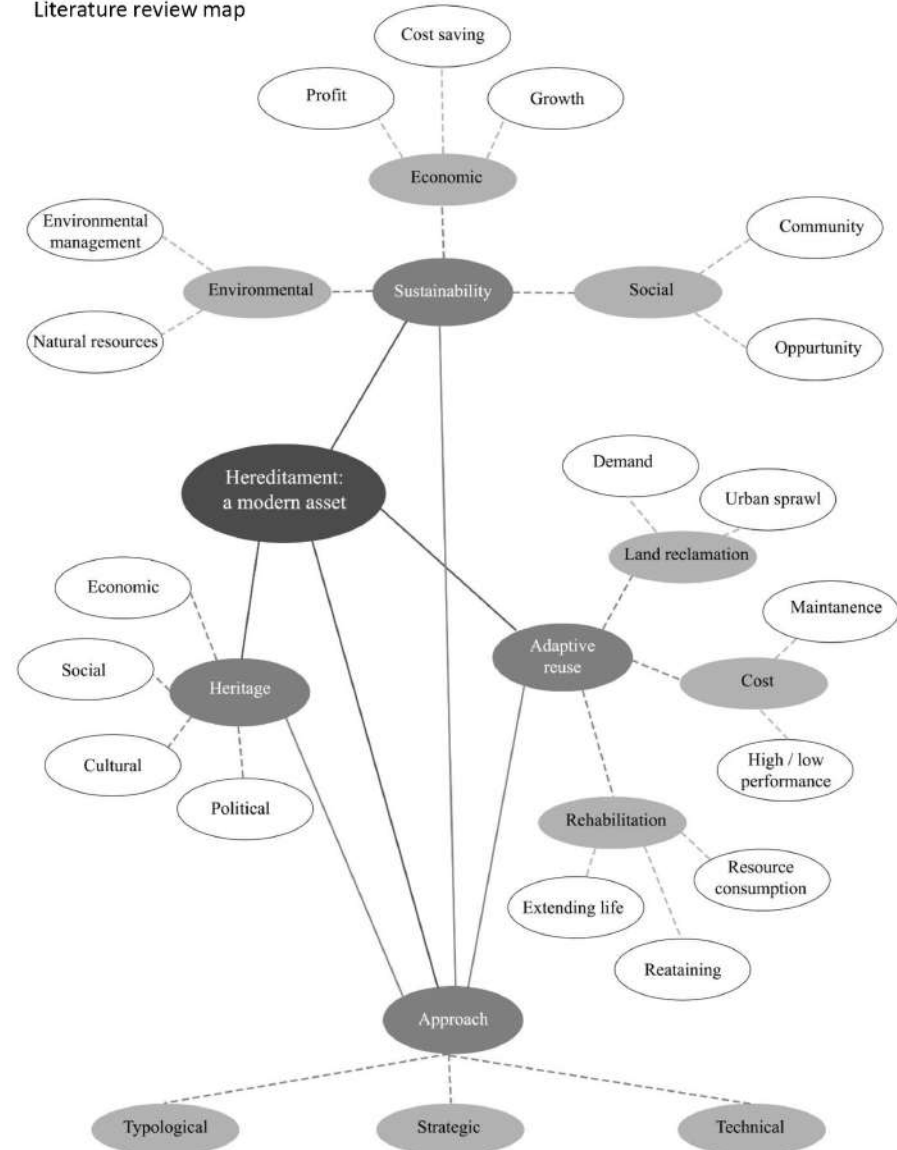
Scope

The better protection and utilization of inherited resources like historical and cultural sites or structures inscribed with non-tangible elements such as political, cultural, social and economic aspects based on an interpretive approach can work as an advantage in the field of urban planning and design, thus bringing a new vibrancy to urban development and sustainability.

Type of review

The focus of the research is inclined towards providing a conventional systematic review. To practice a stepwise review and critically evaluate the salient need for factors like urban rehabilitation and adaptive reuse. To assess the prime factors involved in this process by highlighting their positive impact and vindicating its importance in the present times. To help in changing the perception, attract more attention to it and justifying it.

Literature review map



Urban Design History and Theory

Faculty: Prof. Komal Jaiswal
 Student: Aman K. I 203710008

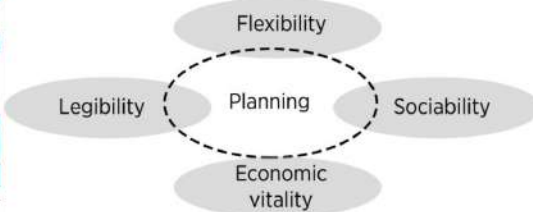


Aman K.

City morphology: New York City



New York City (NYC), is the most populous city in the United States. Situated on one of the world's largest natural harbors, New York City is composed of five boroughs, each of which is a county of the State of New York. The five boroughs—Brooklyn, Queens, Manhattan, the Bronx, and Staten Island—were consolidated into a single city in 1898. Manhattan is generally accepted as being New York CBD and financial district.



Grid planning:

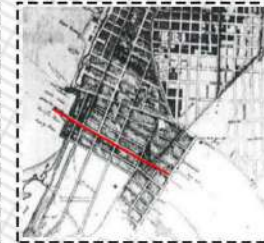
- The city's growth followed a street grid masterplan laid out in 1811 when it was mostly an imaginary construct. At that time, the city's Commissioner's Plan envisioned the city growing to what is Washington Heights today, surveying 12 avenues and 155 cross streets, starting from Greenwich Village.
- New York's streets and avenues follow a mostly horizontal and vertical criss-cross direction.
- The team who designed the street plan in 1807-1811 chose a neat system full of parallel avenues and streets crossing at right angles in an unbroken grid.



Land use



1766: The spaces were originally farmlands and villages filled with green vegetation.



1827: In early 1800 villages started to evolve into towns with permanent roads helping in concretizing spaces.



1874: With spreading out street system, improvements in transportation networks were possible converting these towns into cities.

Facade



Federal style



Greek revival style



Italian style

Transformation



Present



New York is a center of creativity that consistently attracts forward thinking individuals. An energetic city that is constantly evolving, contemporary architects innovate new, dynamic spaces that mark the New York City skyline with keeping intact new and old characteristics.

Critical Debates in Urban Design and Planning

Faculty: Prof. Prushottam Kesar
Student: Spoorthi C | 203710013



Spoorthi C

Understanding terminologies in Urban Design

INFORMALITY

"Informality is a state of deregulation (between regulated and unregulated), one where the ownership, use, and purpose of land cannot be fixed and mapped according to any prescribed set of regulations or the law (Roy, 2011). The three regimes of informality are; speculation, composition and bricolage.

The complexity of this concept involves many spheres; it is the term used to describe and theorize on not just the spatial aspect of the city but also its cultural, economic, social and political organization. Informality is often associated with procedures and phenomena that take place outside formal processes or planned and regulated zones (Roy 2005). Urban informality in particular relates to the unplannable, but it is far more than poor squatter settlements or slums in the Global South.



Figure 1: The structured congruence of the Bandra Kurla Complex to the right stands in sharp contrast to the dense conglomeration of shanties on the left
Source: Jhonny Miller, 2018

The characteristics of informal within the contemporary city, and the numerous creative ways in which these spaces are appropriated, challenge the prevalent critical discourse about our common understanding of 'public space', place-making and the character of social order in the city. One could say that informality redefines our relationship with the formal. Unplanned informal spaces punctuate the homogenous, controlled, 'official' pattern of the public space network and the everyday ubiquitous spaces of the contemporary city. However, they are often overlooked or relegated simply as messy 'left-over space' or 'urban voids'. Informal spaces are excluded from what is commonly defined as the ideal concept of the controlled city because they run contrary to the dominant image of an ordered city, such as that promoted in conventional masterplans and the clean marketing of the official urban scenarios.

The informal is often defined as 'casual', with a lack of legal status. However, 'informal' should not be equated with 'illegal', as a legal option may not exist. Urban informality conceptualizes and illustrates temporary appropriation of space as a phenomenon that contributes to the conformation of relevant themes within the urban agenda, including topics such as citizenship, inequality, social inclusion, migration, urban social sustainability, health care, employment, growth, informal entrepreneurialism and resilience. The informal temporary appropriation of urban space has behavioral, economic and cultural dimensions, and forms of appropriation are not always immediately obvious: they are not mentioned in building codes and can often be subversive or unexpected, emerging in the grey area between formal and informal activities in the city.



Figure 2, 3 : The contrast between Dharavi's tarpaulin covered shanties and the permanent structures
Source : Jhonny Miller , 2018

Cities exist because people tend to agglomerate around space for social, economic or political reasons. Increased job access, trade, housing and amenities, combined with safety and fewer restrictions on personal choices, indicate some critical advantages of urban informality. However, depending on its context, the definition of informality varies greatly. In constantly evolving cities, there exist very different types of informality, for instance, in the context of sustainable urban development and in its relationship to environmental sustainability. It's worthwhile to explore how informal urbanisation can be interpreted within such different contexts and how it frequently embeds principles of sustainability, such as reuse, recycling, resourcefulness and resilience.

Urban Design Studio-II

Faculty: Dr. Prof. Deepika Shetty, Prof. Akshatha Rao
 Prof. B.V. Ramana
 Student : Madhulika R. Kanchi I 193710004
 Gayathrie Jayakumar I 193710008

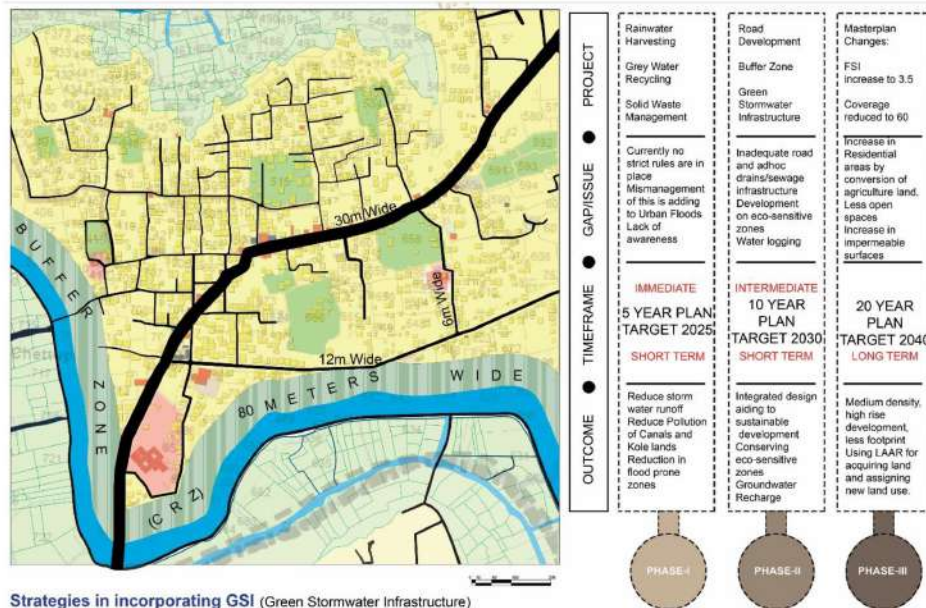


Student



Student

The project aims at understanding the causes for urban flooding in Thrissur-Kerala and tries to develop strategies that will make the vulnerable areas resilient against future calamities. As a demo, one of the flood prone zones of the city-Chettupuzha was taken and Green Stormwater Infrastructure measures were applied here. A masterplan was proposed with scope for creating more green pockets that help in percolation and strengthening river edges. A loop system was designed that manages excess rainwater and channelizes it for optimum usage and reduce flood risk. As part of the proposal- Buffer zones, Retention Basins and Infiltration pits - a combination of blue green infrastructure and green stormwater infrastructure were applied.



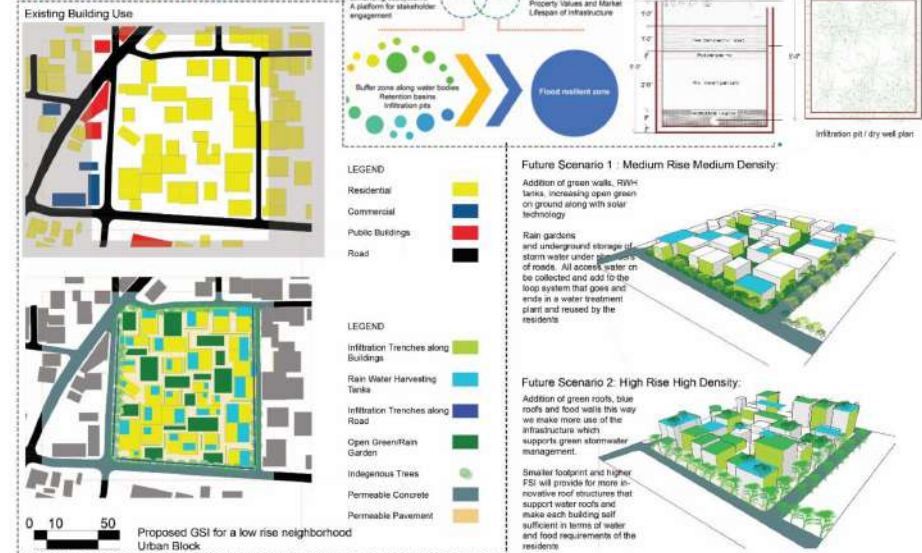
Strategies in incorporating GSI (Green Stormwater Infrastructure)

Proposed Masterplan and Phase wise Strategies for Chettupuzha Area, Thrissur-Kerala

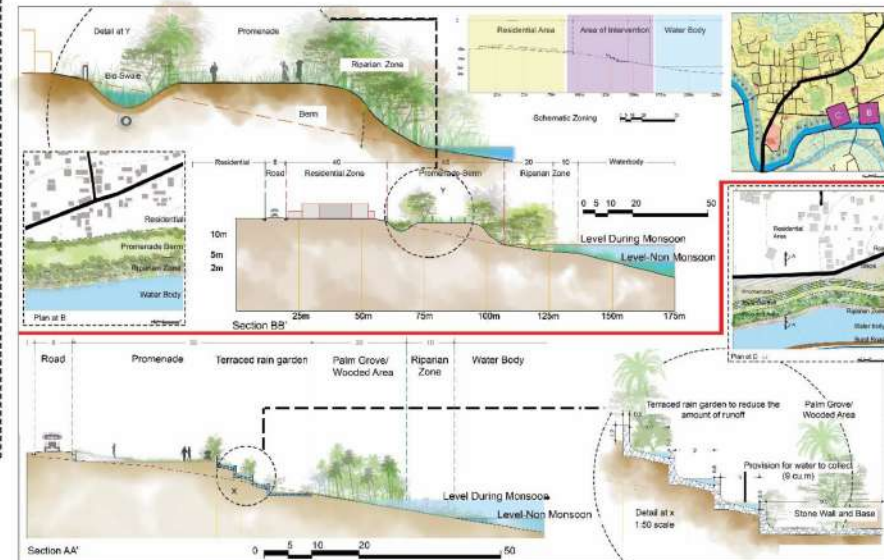
Implementing Green Stormwater Infrastructure on site:

As an example, an urban block is chosen as a prototype and ideal locations for the Green Stormwater Infrastructure measures are shown below in the maps. Since the typology here is mostly residential the following guidelines are taken into account:

- 50% permeable surfaces
- Rooftop Rainwater Harvesting
- Infiltration zone along building and road



Project Proposal- Implementing GSI (Neighborhood Level)



Project Proposal-Buffer Zone Design incorporating GSI and Low Impact Development

Urban Transformations



Student

Faculty: Prof. Boorla Venkat Ramana
Student: Madhulika R. Kanchi | 193710004

A relevant issue pertaining to housing and transformation in urban realm was taken up and a critical analysis of the same through literature review was done.

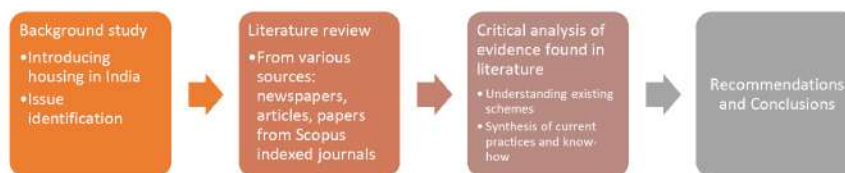
Title: Critical analysis and understanding of the transformation of incremental housing for EWS sector in India.

Aim: To understand incremental housing in India and critique its current system as a housing solution for the EWS category.

Objectives:

- To understand housing schemes in India
- To understand what is incremental housing in India
- To critique and synthesize the current practices and systems w.r.t incremental housing

Methodology:



Critical Analysis:

- From the critical analysis it was found that factors that influence incremental growth are level of tenure, fiscal access, context, land-use, density, need vs. aspirations, availability of materials, manpower, governance.

Conclusion:

- The three biggest challenges are: finance, connectivity and urbanization.
- The role of an enabler is what urban designers should take if we want to help the EWS and LIG manage their own processes.
- Incremental housing strategy if executed inclusively can eventually be a sustainable way of building our habitats and ensuring, security, status and tenure for the EWS of India.

Urban Sociology

Faculty: Prof. Purushottam kesar
Student: Sarvani Gundu | 193710009
Akkamahadevi Rampure | 193710011



Sarvani



Akkamahadevi

Collective action in the slums of Hyderabad, building “Social capital”. A case of slum in Srinagar colony. The idea is to 'situate the catastrophe as reflection on the state of urban built environment and its various attributes

The Covid 19 pandemic tragically continues to surge in India. Poor living conditions have made urban slums Covid-19 hotspots. In these vulnerable areas social capital has been identified to play a crucial role. A case of Hyderabad slum is taken to further explain about the re-emerging of social capital. Before the pandemic, slum dwellers were involved in tertiary or service-oriented sector for their source of income. Although social capital was found in these slum communities it was not given much importance, this was used for their amenities such as water, infrastructure, etc. Hence, there is a need to understand its value in Hyderabad slums. Due to the lock down many slum dwellers lost their livelihood, which lead to the emergence of a new form of social capital that was reimagined through collective action. The slum dwellers are now trying to build social capital for need of survival by developing better social interactions. Here we tried to explore slums as resilient urban systems in pandemic situation and argue that collective action of slums contributes to social capital for enhancing their resilience. We explored the bonding and bridging type of Social capital that exists in the slum setting by taking the case of slums in Hyderabad.

Bonding: The relation among the people who are very close to one another, like immediate family, close friends and neighbors is denoted as the Bonding social capital. Due to the loss of employment women from these slums took the lead to support their family by involving in various employment opportunities ranging from vegetable vending, market-oriented goods exchanges and so forth. This denotes the bonding form of social capital.

Bridging: These women are trying to overcome selfish profits and achieve mutual benefits. The first step they acquired was trust among themselves in community. Majority of slums living in Hyderabad now understand the cause and spread of Covid-19. Therefore, they took responsibility and brilliantly came up with the collective actions of taking turns to go to the markets to buy vegetables for their group, in order to avoid the risk of being attacked by Covid-19. This helped in building “Bridging social capital”.

But, for their effective humanitarian action there is a need to focus on the structural factors such as macro-level governance and the quality of institutions which denotes the ‘Linking form of Social capital’. By exploring the complex nature of social capital in vulnerable urban settings, informed recommendations can be provided to aid the community for building social capital in their programming. Proposal of social capital in vulnerable urban contexts can be understood as: ‘the institutions and relationships that shape the quality and quantity of social interactions in slums, which in the end enhance individual, community and society’s capacity to collaborate in the achievement of both individual and collective aims before, during and after a humanitarian crisis.

Sustainability Studio

Faculty: Prof. Amarnath Sharma, Prof. Srishtry Sarswat

Student: Harnoor Dhillon | 193710001

Praveen Kumar | 193710003

Auna Sando | 193710006

Tanya T. | 193710007

Aman K. | 193710024



Harnoor



Praveen



Auna



Tanya



Aman

The project aims at understanding the basic tools for environmental planning, i.e.; carrying capacity analysis; notions of physical and bio-diversity conservation; urban agriculture; energy conservation; waste management recycling; environmental impact assessment; legislative mechanism for environmental conservation; where after analysing the same, one has to plan, design and frame policies for a sustainable cities, which in our case, was for the town of Manipal.



STRATEGY - 03 (MIT Junction @ C)

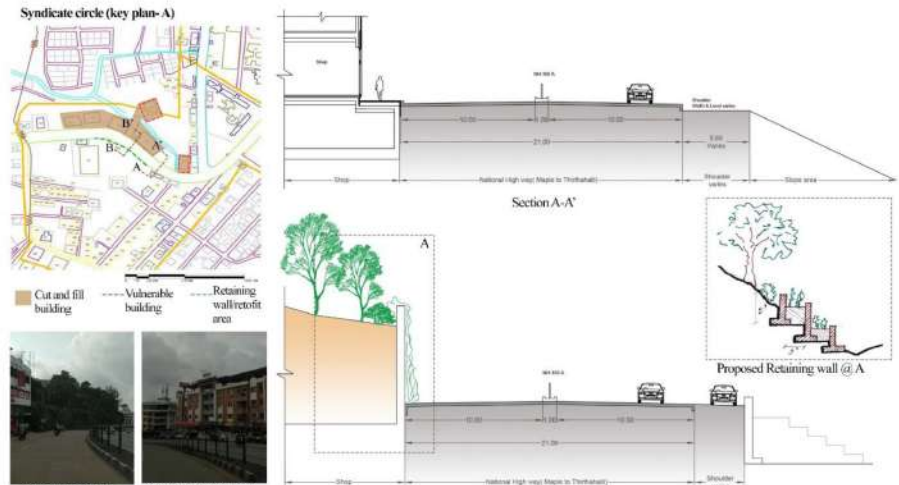
NH 169A - In terms of Pollution, the National Highway seems to have the highest levels of pollution in terms of air & noise, also with respect to the concreting of the road, destruction caused to the trees that existed before the redevelopment, open drains that existed now converted to paved footpath and pervious surfaces now have become impervious surfaces. Therefore, a need to incorporate a Plantation buffer zone alongside both sides of the national highway, along with providing Bioswales to drain excess water during monsoon.



Median Size - 0.75m
No Crossing Barricade recently installed for safety reasons.

Proposed Grass turf / Shrub / Hedge

Proposed Climbing shrub/ creepers



No.	Road Classification	Width of Carriageway (m)	Median width (m)	Shoulder Width (m)	Plant and shrub spacing (m)	Plantation and more trees
1	National & State Highway	12	4.25	8.00		
2	Major District Roads	8	4.75			
3	Minor District Roads	6	4.75			
4	Village Roads	4	4.75			
5	Village Roads	4	4.75			
6	Village Roads	4	4.75			

Section B-B'
Development on slope 25% and above
Open space and conservation uses are permitted by right on slopes of 25% or more, provided that they shall not include any structures, roads, driveways, parking areas, construction, or other development, or grading, or clearing of vegetation.
Prohibited uses on slope 25% and above
Removal of topsoil, Solid waste disposal, recycling uses, junk yards, or other outdoor storage uses & Clearing of vegetation or grading, including the addition of fill is prohibited.



- ➔ Children's park, Badminton court, Amphitheatre and Public Toilet
- 1 Proposal 2 – Medicinal Gardens – Butterfly park
- 2 Proposal 3 – Lake edge treatment and Enhancing the greenery throughout the lake, with native trees and providing sufficient lighting.
- 3 Proposal 4 – Addition of aquatic plants to improve water quality

Urban Design and Development Studio-III

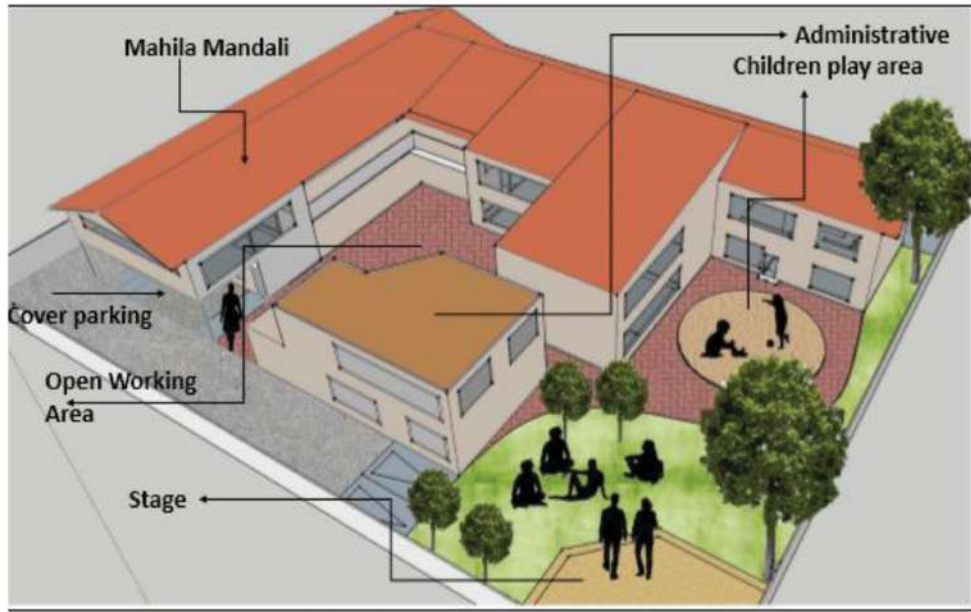
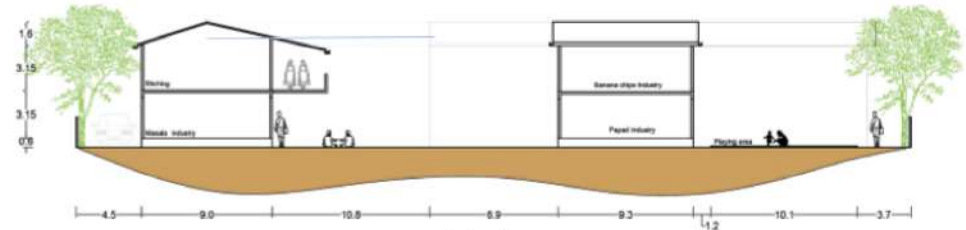
Woman empowerment-Mahila Mandali in Shankarnarayana Village

Faculty: Prof. Name Dr. Deepika Shetty & Rituka Kapoor
 Student: Debjani Das | 193710018

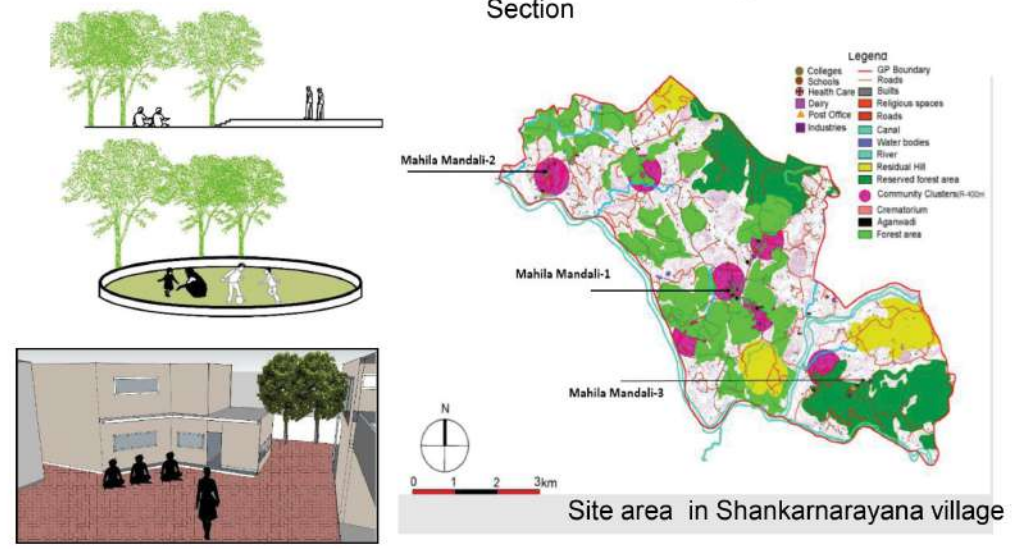


Student

Empowerment of women and achieving equality between men and women is beneficial for economic development and enhance social life also. In rural areas women are dominated and economic opportunity also not encouraged for them. Shankarnarayana village has more women population than men. Create home-based Industry for different opportunities for enhancing woman's economic condition. Providing training for different scope of job opportunities and the own village product like cashew, coconut, herbal trees can be resource of raw material. Different NGO participation can be enhance the different types of guidance like procedure of making different home based products. Here the indoor and outdoor space both can be used for different function base work. Also, for working mother childcare facility is provided. So that they can also participate in income generation.



Arial view of Mahila Mandali



Site area in Shankarnarayana village

Urban Housing



Student

Faculty: Prof. Boorla Venkata Ramana.
Student: Gaurav kotian | 193710016

Critical review of Urban housing problems in the metropolitan city of Mumbai - The failure of the city authorities to cope with the urban poor is highlighted by a review of the main housing problems in the city.

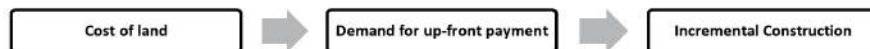
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The aim of the study was to examine the city of Mumbai in the context of Urban housing problems of the poor. Particular attention was given to the development of low-income dwellings in slum and hutment areas within the city.

Policy Initiatives:

Initiatives by Government of Maharashtra	Initiatives by Government of India
Special Township Policy	Rajiv Awas Yojana (RAY) 2013-2022
Cluster Redevelopment	Rajiv Rinn Yojana (Interest Subsidy Scheme for Housing the Urban Poor)
Development/Redevelopment on MHADA land	Basic Services to Urban Poor (BSUP, 2009)
Redevelopment of old and dilapidated buildings	Affordable Housing in Partnership
Inclusive housing in layouts	
Slum Rehabilitation Scheme	
Affordable Housing in Mumbai Metropolitan Region	

Affordable Housing: 'Affordability' is a relative concept and has a different meaning for different people. Factors affecting Affordability:



Recommendations:

The Slum Rehabilitation Authority have approved 4.6 lakh dwelling units for construction which only 33.7% have received Occupation Certificates. This construction should start immediately with occupation certificate provided for 100% which will help the poor in this city. Affordability as per MHADA dwelling should be revised in which nearly 80% of Mumbai's households dwelling is unaffordable, which belong to the Economically Weak, Low-income and Middle-income categories.

SINGLE USER RESIDENTIAL DESIGN – IDF I

Faculty: Prof. DANNY PINTO
 Student: SREEJITH J S | 204212092



Student

The foundation for understanding of design process, principles and elements through various creative exercises and orients students towards innovative thinking through creative problem solving exercises. The project brief was to design a space of 5m by 5m for a single user with sleeping, lounge, kitchenette, study areas and necessary storage spaces.

With the help of user profiling the design was completely designed according to the client's need. The concept was an integration of two styles modern and industrial. Modern industrial interior design is about exposing all that lies beneath to achieve the raw, edgy style, which was followed mostly in the furniture. Also keeping the walls plain and white.



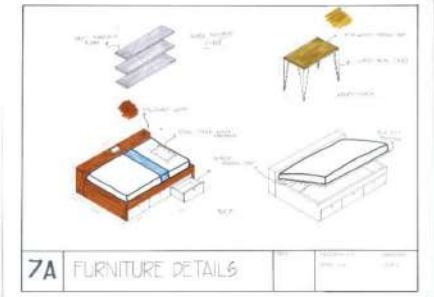
6A FLOOR PLAN



6A RENDERED PLAN



7A FURNITURE DETAILS



7A FURNITURE DETAILS

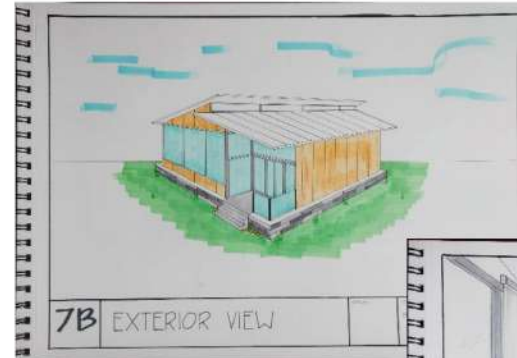


6B ELEVATION



6B ELEVATION

FURNITURE AND ELEVATION



7B EXTERIOR VIEW



7B INTERIOR VIEW

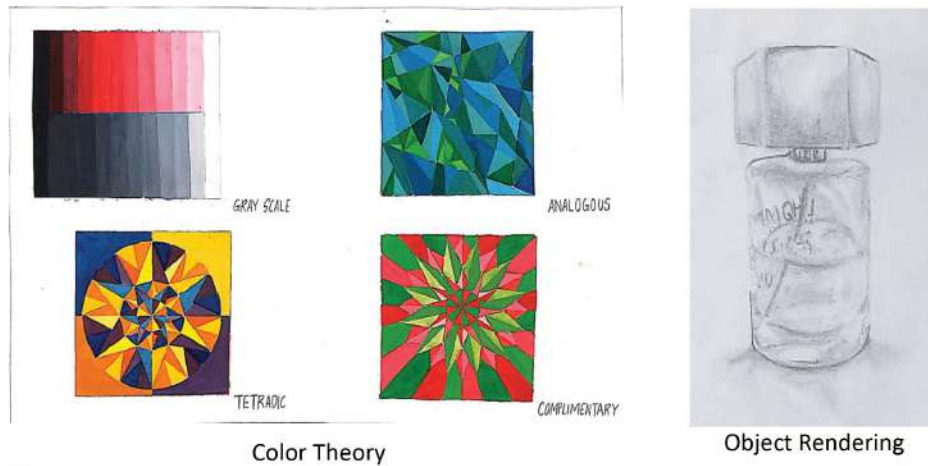
ART AND DESIGN FUNDAMENTALS

Faculty: Prof. Kranthi L Satardekar, Prof. Arunabha Bandyopadhyay
Student: Melisa Juliet Mathias | Registration number: 204212048



Student

This course offers us the ability to sketch freehand drawing of simple object. Helps us illustrate and apply fundamentals techniques of concept and presentation sketch and understand the human factor in interior. Enables us to execute this knowledge for various design representations.



Color Theory

Object Rendering



Human Sketches

HISTORY OF WORLD ART AND INTERIOR DESIGN

Faculty: Prof. Athira T
Student: Gayathri Y Bhide | 204212050



Student

This subject gives us information regarding the history of interior design that existed since the pre historic era.

The Art and Design Movements assignment was intended to make the students understand about the different forms and techniques of construction that various architects adopted post industrialization

- Listing out the various Art and Design Movements
- Understanding how architects created a sense of harmony in every form possible
- Usage of various materials
- The impact of the work
- Knowing about the architects who were involved in these projects
- Detailed study about one of the constructions in the specific movement
- Pointing out the key features of the movement were the main aims of this assignment.

Bauhaus

- Key features:
- Bauhaus buildings have flat roofs, smooth façades, and cubic shapes. Colors are white, gray, beige, or black.
- Floor plans are open and furniture is functional. Popular construction methods of the time — steel- frame with glass curtain walls — were used for both residential and commercial architecture.
- Art and craft should have no difference.



The Gropius House, 1938, Lincoln, Massachusetts, Modern Bauhaus.

Functionalism

- Key features:
- It was used to describe any utilitarian structure that was quickly constructed for purely practical purposes without an eye for artistry.
- In this movement the availability of the materials decided the importance given to the design aspect.



Oslo City Hall, Norway, 1938, Venus for Nobel Peace Prize Ceremony.

Design Components – II

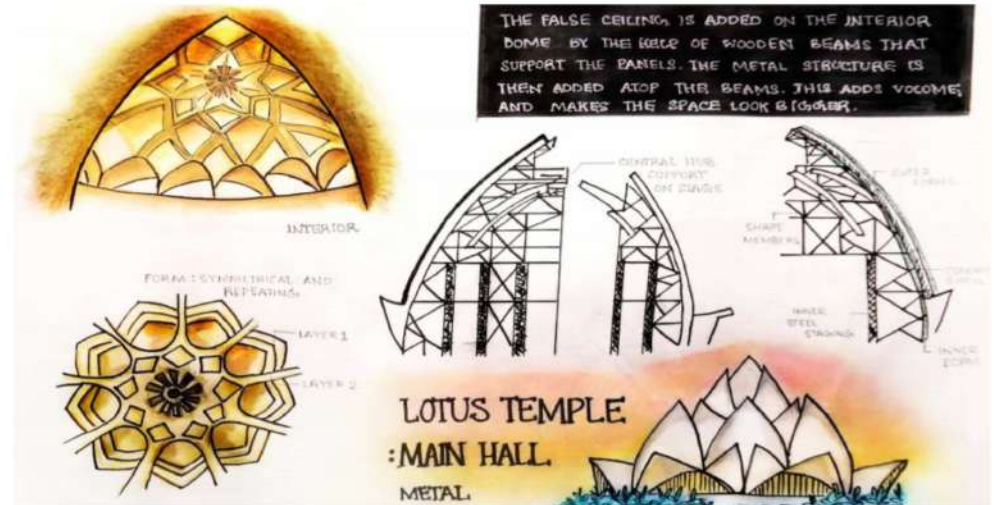
Various design components

Faculty: Prof. Meera Shaju
 Student: Nayaab Khurshed | 193712007

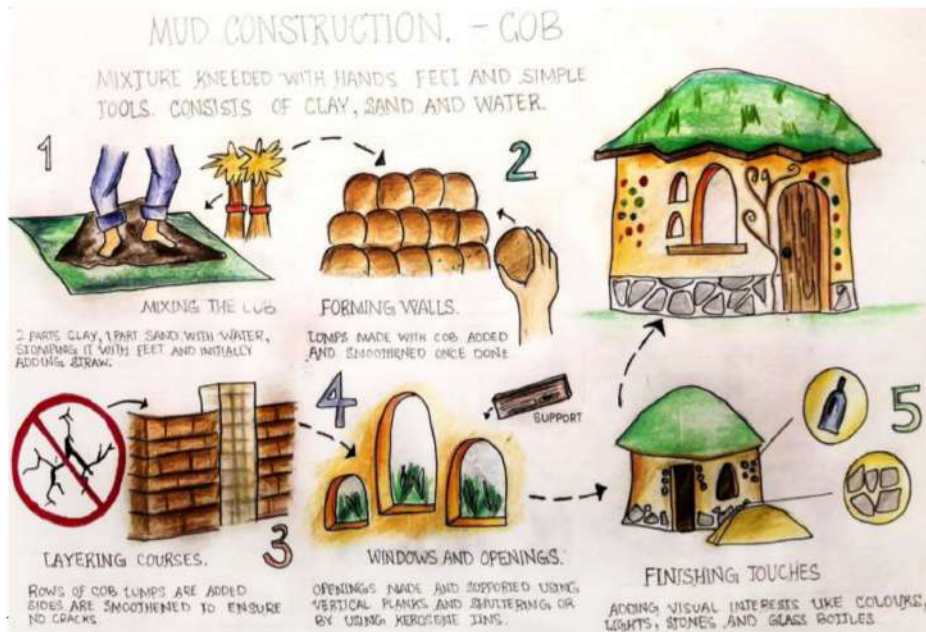
The following projects were aimed to give more knowledge about the design components involved with it comes to interior architecture, This involved a number of components such as flooring, walls, ceiling, windows and so on which were uniquely portrayed by the use of creative assignments, each giving a step process as to how the component will be formed. This in turn to which gave the students a broader knowledge and understanding about the subject and each of the components involved within it which would further help them in the future



False Ceiling



False Ceiling



Mud Construction



Geodesic Dome

Interior Design Fundamentals – II

Studio Design

Faculty: Prof. Sonal Shetty Rao
Student: Nayaab Khursheed | 193712007

The following project was aimed to design an studio space for a designer. The client for the following project was an animator who required an interactive workspace with a zone for the lobby, an open workspace, a private recording cabin and a pantry. The space required uplifting and bright colours and the designer in turn chose to keep the theme of 'Boho Dreams' that used natural colours along with a variety of textures such as brick, stone, wood and so on, there is highlight of pink along with plants that is used to uplift the space making it look more joyous and calm as per the clients needs and requirements



Interior View



Interior View



Digital interior view of lobby



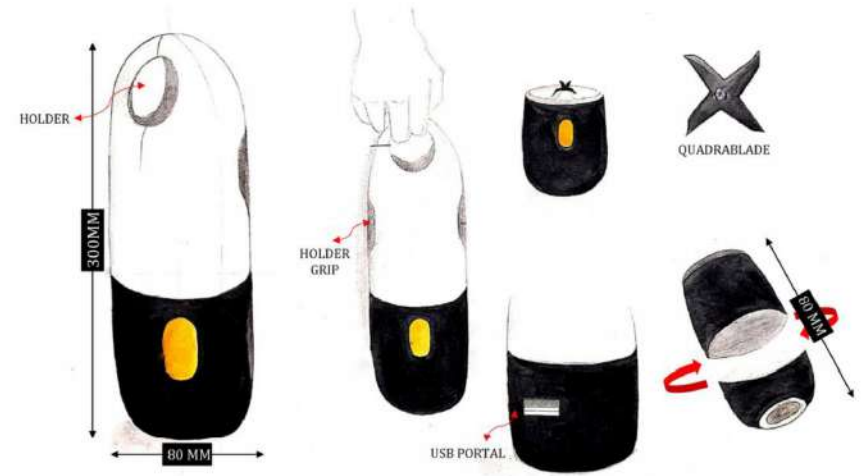
Floor Plan

Product Design - III

REDESIGNED PRODUCT

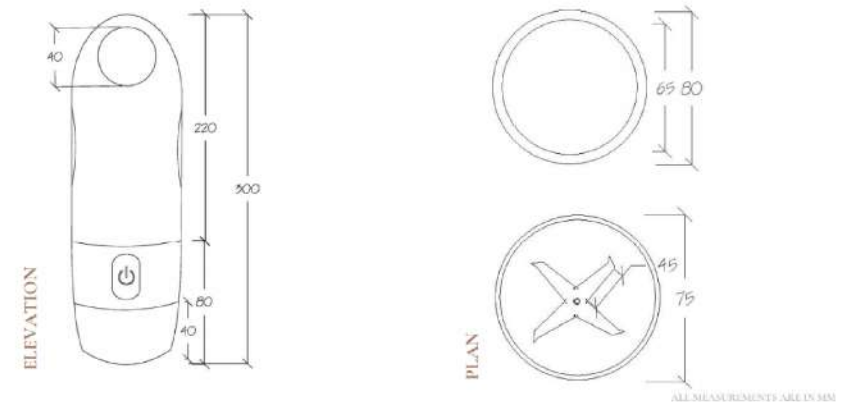
FACULTY: PROF. SRIDHARA GANGOLI
STUDENT: NAEEMA ASHARAF | 193712006

The following project was to redesign an existing conventional product in the market to an innovative one. The project was a cumulative study on the product, features, cons and pros, demand among consumers/market value, and scope for a redesigned version with more advanced and multifunctional features incorporated into it. The product chosen is a portable blender. The redesigned version includes numerous additional features such as utility cavity, pedometer, USB portal etc. making it multifunctional and a better choice for consumers.



MECHANISM AND FEATURES

PLAN AND ELEVATION METRIC DRAWINGS



MECHANICAL DRAWINGS

PORTABLE BLENDER WITH UTILITY CAVITY



Eco Friendly Interiors – II

Eco friendly restaurant

Faculty: Prof. Sonal Shetty Rao
Student: Nayaab Khurshheed | 193712007

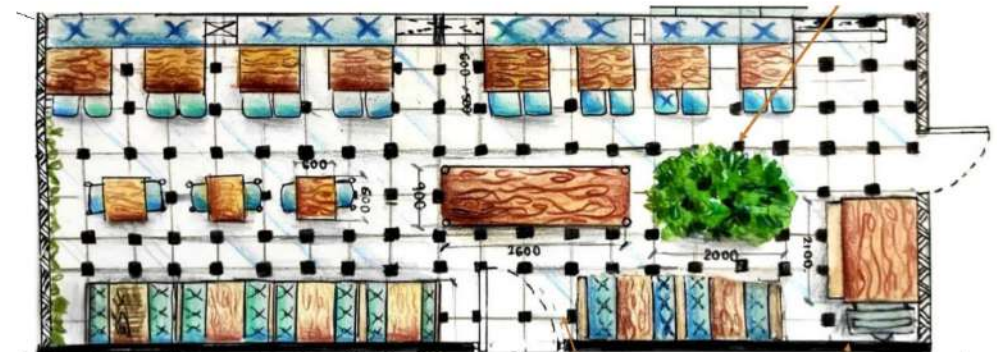
The following project was aimed to design an eco friendly restaurant. The following restaurant would aim to use sustainable and durable materials along with principles to go ahead with its design. For the following project, there is a use of various natural materials present. A long with this, the aesthetic created is to be extremely biophilic with the use of plants and more green colour which makes the ambience of the space extremely uplifting and calming to the customers. There are various kinds of seating available for the users, this also includes cubicle seating and normal which appeals to the customers



Interior View



Interior View



Floor Plan



Interior view

Interior Design Residential – III

Residential Design

Faculty: Prof. Sonal Shetty Rao
Student: Nayaab Khursheed | 193712007

The following project was designs a residential space. The space comprised of three bedrooms, a hall, a kitchen space with dining room and three bathrooms. The client for the following project was a family with 5 members who required their home to be one with a comfortable environment. According to the clients needs, the theme of 'modern farmhouse' was chosen. Each client had their own requirement for the bedroom space, hence those were designed keeping in mind their required aesthetic. The common spaces in the house follow a 'farmhouse' concept whereas the bedrooms have a unique aesthetic in response to the clients needs,



Digital interior dining



Interior View hallway



Interior View bedroom 1



Interior view bedroom 2

Advanced Computer Graphics

Faculty: Prof. Athira T.
Prof. Supriya K.

Student: Ankita Shenai | 183712012



Student

The course provided in-depth understanding of 3D-Modeling through digital software to help make effective audio-visual presentations, create three dimensional models and visualization of interiors. The intent was to possess intermediate to advanced skill with improvement in the speed and quality of modeling.



Exterior Visualization



Interior Visualization



Product Visualization

Furniture Design

Faculty: Prof. Kapil Grover

Student: Ankita Shenai | 183712012

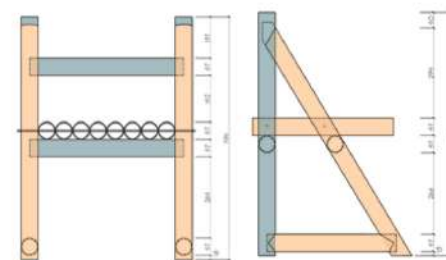


Student

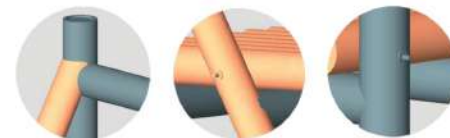
This course helped acquire practices of craftsmanship and sensitized visual perception of furniture as a single form through the study and presentation of precedent works, both historical and contemporary. The ability to design by understanding the user-activity, structural concepts of furniture, materials and their essential attributes was developed.



Major Project - Furniture Making



Measured Drawings



Joinery Detail



Finished Furniture

Advertising & Branding

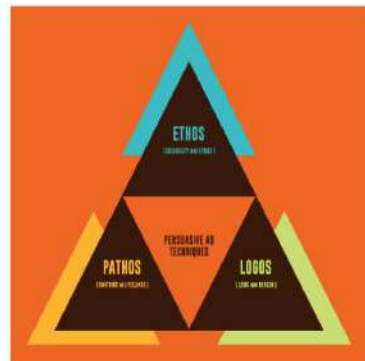
Faculty: Prof. Athira T.
Prof Rajesh Pai

Student: Ankita Shenai | 183712012



Student

This course helped develop awareness about consumer behavior, ways of communicating in today's digital marketing world, how to build and design a brand and provide consumer experience. It also helped understand the brand, branding and advertising in addition to the context of use and implementation.



Creative Contemporary Thoughtfulness Productivity	Caution Understanding Friendly Smart	Life Fresh Outdoors Money
Peace Sturdy Confident Optimistic	Royalty Brains Loyal Plentiful	Love Danger Energy Emotional
Simple Clean Pure Good	Mature Solid Secure Respect	Infinite Finesse Subtlety Strength

Study of colour in Branding



Branding for Self-designed product

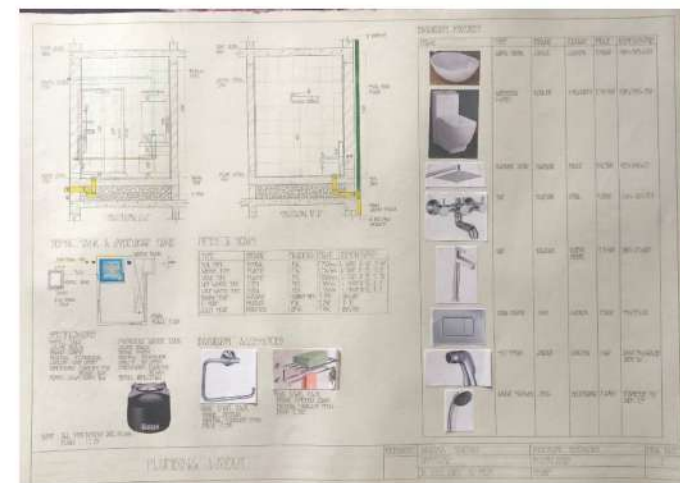
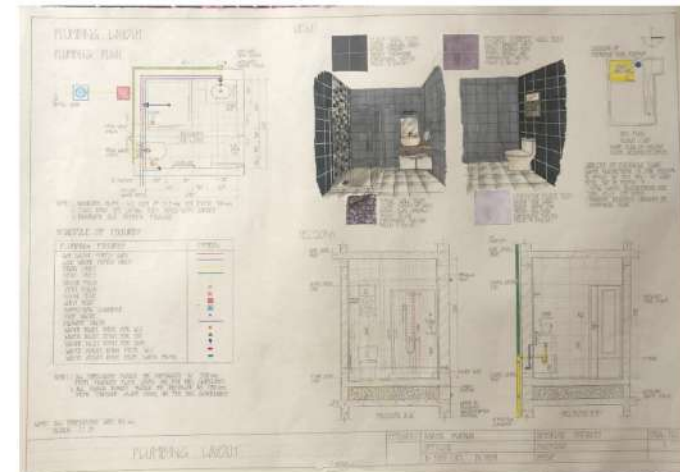
Interior Services-II

Faculty: Prof. Ketki Darp
Student: Ankita Shenai | 183712012



Student

This course imparted knowledge required for understanding the building services of water supply, sanitation, plumbing and their integration with architectural interior designs. It helped develop the knowledge and skills required for understanding the mechanical services like fire-fighting and HVAC in buildings and their integration with architectural interior design.



Plumbing Layout

Interior Design – Commercial

Pepe Jeans Store, Mangalore

Faculty: Prof. Kiran Elezabeth Joseph
Prof. Deviprasad Kateel
Prof. Deekshit
Prof. Danny Pinto

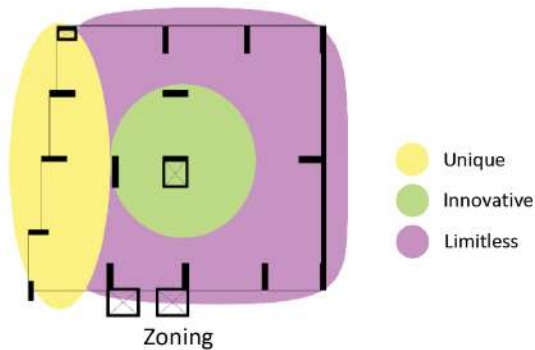
Student: Ankita Shenai | 183710212



Student

This course introduced Commercial Design for small offices and shops and the importance of branding and its relationship, to interiors in retail spaces.

The concept for the store involved creating a vibrant and dynamic space for the brand, a celebration of the beaches in and around Mangalore, that happen to be a popular surfing hub. The zoning incorporated includes three main zones, each consisting of a word that characterizes the design of that zone.



Ground Floor Plan



Mezzanine Floor Plan



Sections



Store Front



Customization Studio



Denim wear Section



In-store Display

Spatial Narratives



Student

Faculty: Prof. Kapil Grover
Student: Ankita Shenai | 183712012

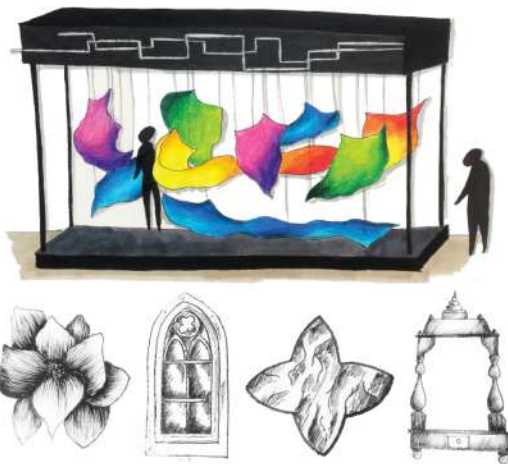
This course helped cultivate a deeper understanding about impact of design language on the quality of Interior spaces and enhanced the ability to initiate persuasive psychological sense into design.



Worli art Postcard



Peephole Diorama



Spatial Exploration Activity



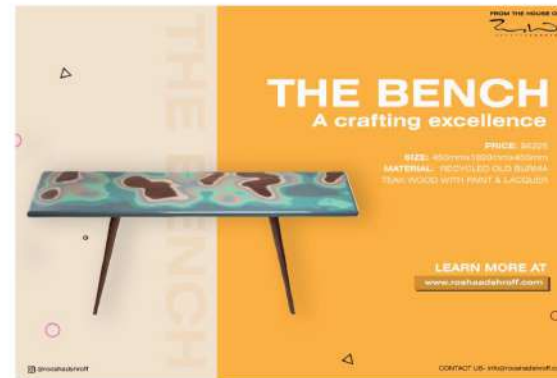
Design Journalism



Student

Faculty: Prof. Prarthana Narendra
Student: Ankita Shenai | 183712012

This course helped study and incorporate principal theories of Journalism in Design. The course also helped develop the skill of design purpose, philosophy, with sensitization to journalism vocabulary.



Print Media advertising



Social Media post



Newspaper design



Interior Design – Healthcare Facilities

Faculty: Prof. Kiran Elezabeth Joseph
Prof. L. N. Bhat
Prof Sricharan P.

Student: Ankita Shenai | 183710212



Student

This course introduced Healthcare design for Hospitals and Healthcare institutions. Emphasis was placed on design development, space planning, furniture requirement, healing garden etc. in addition to other technical aspects.

The concept adopted for the Hospital was that of Zen Design. Zen design embodies the minimalist philosophy, making use of natural materials and space, thereby avoiding clutter. The aim was to create a space that is relaxing, visually balanced and appealing.



Conceptualization



Floor Plan



Sections - Reception, Consultation Room & Major Treatment Room



Visualization - Reception, MRI Room, Pharmacy & Zen Garden

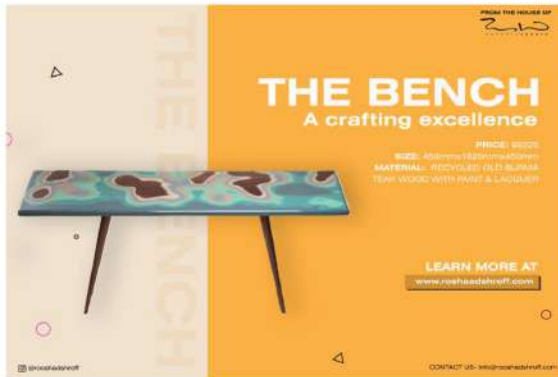
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Faculty: Prof. Prarthana Narendra
Student: Ankita Shenai | 183712012



Student

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Print Media advertising



Social Media post



Newspaper design

Estimation & Specification

Faculty: Prof. Kiran Elezabeth Joseph
Student: Ankita Shenai | 183712012



Student

The subject aimed to develop knowledge & skills of estimating, costing, analyzing, rates in order to foresee the cost of the work or to implement an interior design project & to monitor project cost.

MARKET SURVEY ON MATERIAL USE IN INTERIORS

INTRODUCTION
Material plays an important role in the success of Interior Design. From the initial concept, to the final application design the role of materials happens to be a significant one.

The market for materials is a large one. Various producers and manufacturers contribute to the market by providing materials in various ranges, colors, sizes and sizes. The following report covers some of the commonly used materials in interior mainly covering the area like seating, floors and walls with additional information regarding their manufacturing, types and uses in interior spaces.

MATERIALS
ACRYLIC: Acrylic is a thermoplastic, often purchased in sheets as a lightweight and shatter-resistant alternative to glass.
APPLICATION: Accent walls, wall panels, windows.
FORMS: Flat, Shown.
COMMON SIZES: 600mm x 1200mm, 1200mm x 2400mm, 1200mm x 3000mm, 1200mm x 3600mm.
THICKNESS: 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 20mm, 25mm, 30mm, 40mm, 50mm.

Sl. No.	IMAGE	MATERIAL	SIZE	PRICE	SOURCE
1		TRANSPARENT ACRYLIC SHEET	1200mm x 1800mm THICKNESS 3mm, 5mm, 10mm	Rs. 2000/ Sq. M.	Commercial Material
2		CLEAR ACRYLIC SHEET	1200mm x 1800mm THICKNESS 12mm	Rs. 800/ Sq. M.	Polystyrene
3		COLORFUL ACRYLIC SHEET	1200mm x 1800mm THICKNESS 3mm, 5mm	Rs. 1200/ Sq. M. (varies by color)	Manufactured Stone
4		GLOSSY ACRYLIC SHEET	1200mm x 1800mm THICKNESS 2mm	Rs. 1200/ Sq. M.	Specialty Tiles
5		MATTE ACRYLIC SHEET	1200mm x 1800mm THICKNESS 2mm	Rs. 700/ Sq. M.	Stone, Chromalux, Specialty Agents

SAMPLES
Samples are kept in stock for its hardware that are used for a variety of applications.
APPLICATION: Furniture, Walls, Flooring, Accessories and Custom Tops.
FORMS: Solid, Solid, Curved.
SIZES: Common Size Dimensions: 25mm, 40mm, 50mm, 75mm, 100mm, 125mm, 150mm, 200mm, 250mm, 300mm, 350mm, 400mm, 450mm, 500mm.

Market Survey

DETAILS PROJECTS
3rd Floor, Bethel Building, White Road, Bangalore, 560024
Abbasahalli Road, Whitefield, Bangalore, 560024

Adv. No: 08-7/Deets/2020 Date: 06/10/2020

TENDER NOTICE

Soleed tenders are hereby invited from eligible firms for the designing and manufacturing of Cat Pads providing warmth and comfort to pet cats in residences, on the date and time mentioned. Details as mentioned below:

S No.	Name of Work	No.	Tender Notice No.	Estimated Cost (Rs)	Earned Money Deposit (%)
1.	Designing and Manufacturing Cat Pads for pet cats in residences.	1	DR-01/2020	1,00,000	7.000

TENDER CONDITIONS

- The above mentioned tender can be obtained on cash payment of Earnest Money Deposit **Rs. 7,000/- (Rupees Seven thousand only)** from the Details Head Office, Jacobs Bethel Building, Whitefield.
- Earned Money in the form of deposit at call in favor of Details Projects must accompany with the application without which no tender will be issued. **Cheque/Cash will not be accepted.**
- Tenders are invited for submission through e-procurement portal on or before: **04:00 PM on 15/11/2020** and will be opened at **4:05 PM on the same day**
- The tender will be opened in the Head Office of Details Project, on the date and time mentioned above.
- No tender will be solicited on the date of opening tenders.

For details visit <https://www.deets.in/tenders>
Contact Us: +91 9853372/966710101

Sd/-
Chief Officer

Tender Notice

DETAILS PROJECTS
3rd Floor, Bethel Building, White Road, Bangalore, 560024

DESIGN PROPOSAL AND PRODUCT IMAGES

The **MANUFACTURER** will be required to provide a material cost for materials as mentioned in the bill of material of the tender. The bill of material provided shall provide a series of quantities with the same building codes. With the design and the bill of material, the manufacturer shall provide a detailed proposal.

VIEW OF DESIGN PROPOSAL TO BE SUBMITTED

VIEW OF DESIGN PROPOSAL TO BE SUBMITTED

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VIEW OF DESIGN PROPOSAL TO BE SUBMITTED

VIEW OF DESIGN PROPOSAL TO BE SUBMITTED

VIEW OF DESIGN PROPOSAL TO BE SUBMITTED

Tender Submission

DETAILS PROJECTS
3rd Floor, Bethel Building, White Road, Bangalore, 560024

TENDER SUBMISSION FOR DESIGN, SUPPLY AND DELIVERY OF WORKSPACE
PROJECT: PADS FOR PET CATS

DESIGN PROPOSAL
We are presently present our proposal for your review. In reference to your proposal, we have provided a detailed bill of material of the tender. The bill of material provided shall provide a series of quantities with the same building codes. With the design and the bill of material, the manufacturer shall provide a detailed proposal.

SUMMARY
Our firm is based in Bangalore and has a good product design and innovation in the city. The company has a good track record in design, supply and delivery of workspace for IT offices. We are happy to serve you in the city of Bangalore.

PURPOSE
As specialists in local retail market, we have an extensive knowledge of the various aspects of a market. We have a good track record in design, supply and delivery of workspace for IT offices. We are happy to serve you in the city of Bangalore.

PROPOSED TIMING FOR EXECUTION OF PROJECT

- STEP 1: Development of proposal
- STEP 2: Development of bill of material
- STEP 3: Submission of the proposal to the client
- STEP 4: Execution of the project
- STEP 5: Delivery of the project
- STEP 6: Completion of the project
- STEP 7: Handover of the project
- STEP 8: Final report
- STEP 9: Final report
- STEP 10: Final report

Interior Design – Healthcare Facilities

Faculty: Prof. Kiran Elezabeth Joseph
Prof. L. N. Bhat
Prof Sricharan P.

Student: Ankita Shenai | 183710212



Student

This course introduced Healthcare design for Hospitals and Healthcare institutions. Emphasis was placed on design development, space planning, furniture requirement, healing garden etc. in addition to other technical aspects.

The concept adopted for the Hospital was that of Zen Design. Zen design embodies the minimalist philosophy, making use of natural materials and space, thereby avoiding clutter. The aim was to create a space that is relaxing, visually balanced and appealing.



Conceptualization



Floor Plan



Sections - Reception, Consultation Room & Major Treatment Room



Visualization - Reception, MRI Room, Pharmacy & Zen Garden

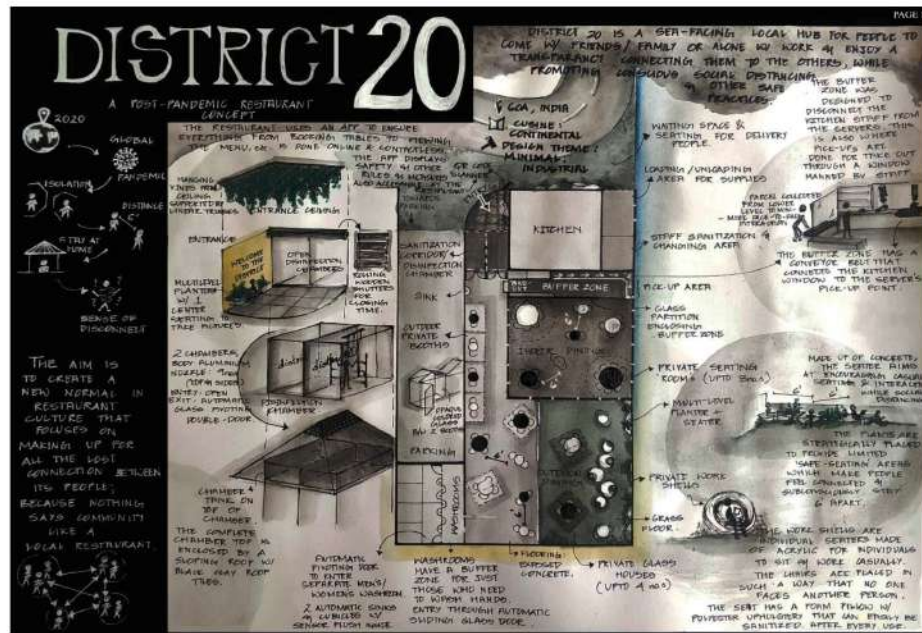
Furniture Design

Faculty: Prof. Sonal Shetty Rao
 Student: Shambhavi Sanjay | 173712014



Student

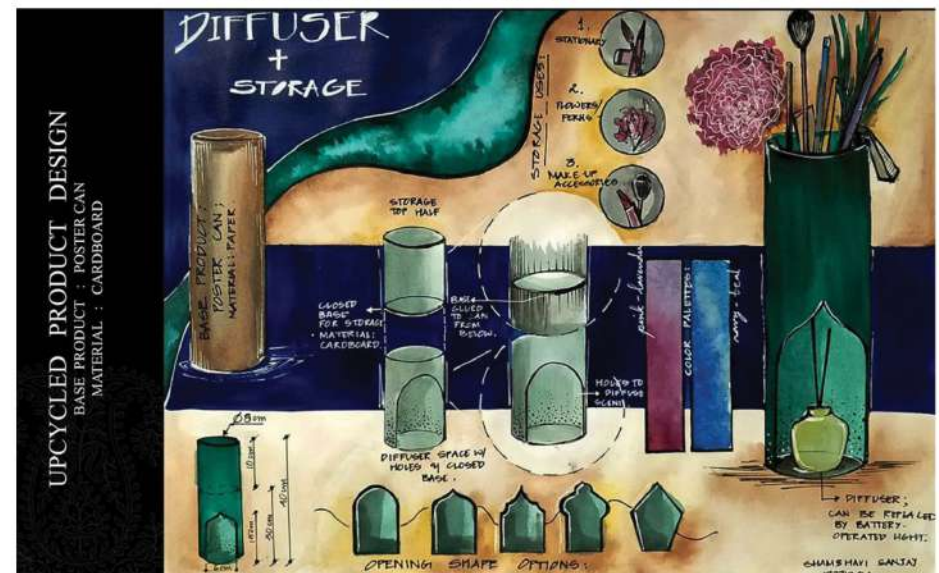
The experience of dining in a physical space was redefined in the year 2020 with the onset of a global pandemic, leading us to re-invent spaces in a fresh perspective of utility, safety and comfort – as seen in *District 20*, a post-pandemic restaurant concept that imagines dining in an open, easy-to-maintain space, benefitting both the guests and the staff. It emphasizes timely sanitization protocols, space separation based on varied grouping of guests, open common spaces. The underlying principle is to ensure the sustainability of the system beyond the pandemic, thereby re-inventing standards for safety and hygiene in the service industry.



Plan with Conceptual Details of the Project



Upcycled Product Design – Envelope and Stamp Set



Upcycled Product Design – Multi-purpose Diffuser and Storage

Varied forms of paper are one of the most predominant waste by-products we, as students, generate. Here, wastepaper in its simplest form to poster packaging in cardboard cartons are upcycled to create student-friendly simple products that are easy to use and give a second life to what otherwise would be considered as waste.

Representation Techniques

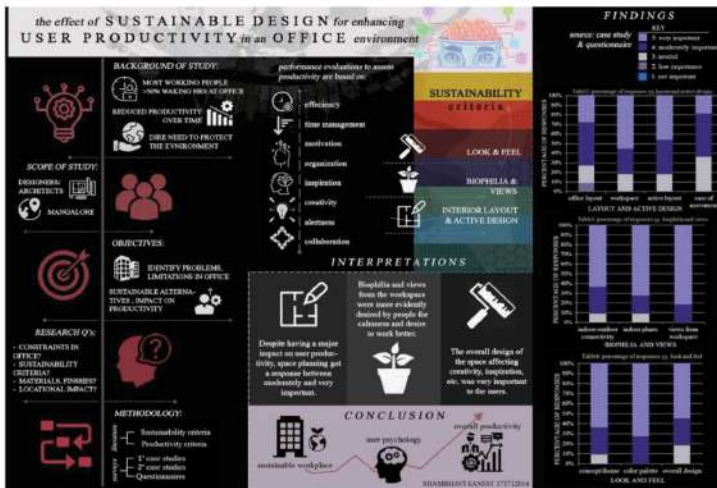
Faculty: Prof. Meera Shaju
 Student: Shambhavi Sanjay | 173712014

The project focuses on communicating a perception of an artwork through two different styles of art to understand the variance and impact it creates from the original. Choosing dot work and textured lines feature emotion and the abstraction of Van Gogh's *Self Portrait with Gray Felt Hat* in its own unique way.

This understanding of presentation guides and strategies allowed for a more concise composition of a dissertation paper through communication tools and color mediums.



Van Gogh's Self Portrait with Gray Felt Hat – Reimagined



Research Paper Presentation with Visual Aids



Student

Project Management

Faculty: Prof. Amrutha Sree, Prof. Kiran Joseph
 Student: Shambhavi Sanjay | 173712014

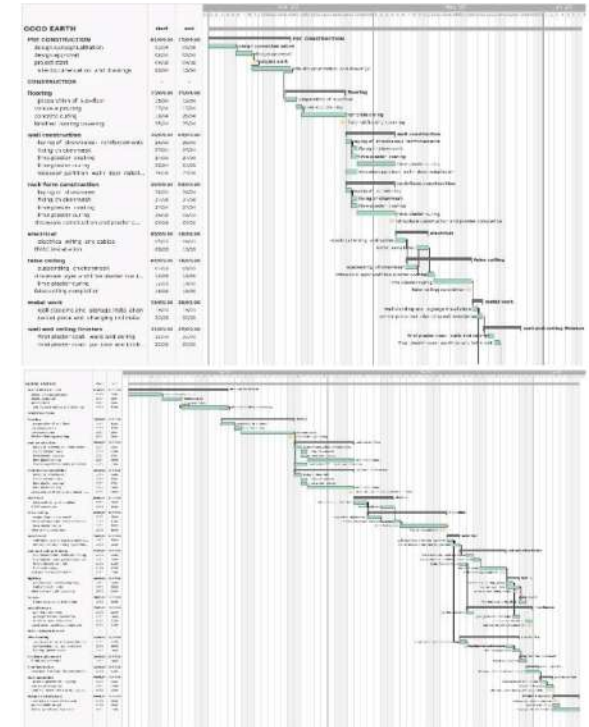
The course covered the systematic understanding of project management in every step along the progression of a design project.

The project starts by compiling the existing project drawings, to drafting a pre-execution list of events for the project.

A design timeline is drafted to identify important project dates, vendors for the same, and important events along the way.

The project execution starts from making the project activity list, marking out project milestones, formulating a PERT diagram, to finally plotting the above in a detailed Gantt chart.

The post-execution phase is outlined with follow-up questions and comments.



Project Timeline mapping through Gantt Chart



Student

Professional Practice



Student

Faculty: Prof. Deviprasad
 Student: Shambhavi Sanjay | 173712014

The course highlighted the conduct one must follow stepping into the field as a working professional, including the basics of legal documentation and ethics while opening your own practice.

Prior to starting out in the field, one significant learning aspect is drafting an agreement prior to a design project. This includes defining the outlines of the work to be done, while building upon an existing Project Brief and Client Requirement Guideline. The legal draft with its given set of amendments that would be included within the project timeline are explicitly stated to ensure a working professional would have an idea of how the proceedings work when starting in the field.

S&S INTERIOR DESIGN STUDIO

ADDRESS: 451, Church Street, Bangalore- 560001
 712 CV Rama Road, Sashinagar, Bangalore- 560090
 Ph: +91 984532222 e-mail: projects@sandesignstudio.com

DATE: 27/01/2024

PROJECT: RESIDENCE FOR MR. ARNAV RAO
 LOCATION: BANGALORE

AGREEMENT SPECIFYING SCOPE OF WORK AND TERMS OF PAYMENT

This agreement is made this day, the twenty seventh of January, 2024 between S&S Interior Design Studio, a registered partnership firm located at 451, Church Street, Bangalore- 560001, represented by its interior designer Mr. Shambhavi Sanjay (hereinafter called the DESIGNER) of the one part and Mr. Arnav Rao residing at P713, Edward Road, Varanasi Nagar, Bangalore- 560051 (hereinafter called the CLIENT) of the other part, the DESIGNER and the CLIENT herinafter as be referred to as the PARTIES to this agreement.

WHEREAS the DESIGNER is carrying on the business of interior design of commercial residential buildings and commercial office space;

AND WHEREAS the CLIENT is the owner of a newly constructed residential building and is in the lookout to engage a professional to plan and execute the design of the necessary fixtures of the newly constructed residence;

AND WHEREAS both the PARTIES after several discussions with each other have chosen the intention to work with each other, wherein the DESIGNER has agreed to design and execute all the works relating to the interior design of the CLIENT'S residence located at P 713, Laxelle Road, Opposite Oken's Bookhouse, Shasthi Nagar, Bangalore-560090 (hereinafter referred to as the project SITE) and more fully described in the schedule and by this Client has agreed to the terms and conditions of the Designer.

And whereas both the DESIGNER and the CLIENT in the presence of defining the scope of services to be executed by the DESIGNER and the schedule of payments to be paid by the CLIENT to the DESIGNER have entered into this "AGREEMENT SPECIFYING THE SCOPE OF WORK AND TERMS OF PAYMENT" herein contained.

NOW IT IS HEREBY AGREED BETWEEN THE DESIGNER AND THE CLIENT AS FOLLOWS:

- I. The design concepts and implementation shall include all interior spaces as follows:
 - Full house (interior- two floors of the house, including one master bedroom with an attached bathroom, one kid's room, one guest bedroom and two common bathrooms.
 - Open kitchen on ground floor, (fitted with modular fittings and lots of storage space).
 - Exterior landscaping and outdoor patio/barbecue.

Designer: S&S Interior Design Studio Client:

Page 1 of 4

S&S INTERIOR DESIGN STUDIO

ADDRESS: 451, Church Street, Bangalore- 560001
 712 CV Rama Road, Sashinagar, Bangalore- 560090
 Ph: +91 984532222 e-mail: projects@sandesignstudio.com

XIV. The Designer is not liable if any activities are done on site by the contractor, subsequent to the approval from the design team.

XV. Every stage of the design is checked and approved by the Designer before execution on site. A detailed report will be sent to the Client at the end of each stage.

XVI. The complete responsibility of the workers is of the contractor in charge. The Designer is not responsible for their misbehavior on site.

XVII. No bills will be submitted to the contractor without approval from the Designer.

XVIII. Any changes that the Client or contractor wants to do has to get approval from the principal designer, Mr. Shambhavi Sanjay, and has to be notified to the Client before execution of work.

XIX. No work will be executed before the drawings are approved and checked by Designer.

XX. The Designer is liable in case of wrong details or bad quality work executed on site by the contractor.

XXI. The Designer will not be responsible for any payment done directly to the contractor by the Client.

XXII. All payment related to the project shall be made directly to the design firm.

XXIII. The agreement may be terminated by either party upon written notice if the other party substantially fails to perform in accordance with the terms of this agreement.

XXIV. In case of a breach in contract, either of the Parties shall inform in writing the nature of the breach. If either of the Parties fails to respond to the letter informing the breach of the Agreement within 15 days of the receipt of the letter, the Parties shall give a notice in writing indicating their intention to terminate the contract.

XXV. Disputes, if any, shall be subject to the jurisdiction of Courts at Bangalore City.

XXVI. This agreement shall be executed in duplicate, with both the Designer and the Client retaining one copy of the agreement.

XXVII. The payment is done based on the three stages in a set manner as shown below:

PAYMENT SCHEME AS FOLLOWS:	
Stage 1: initial design (floor plans, ceiling elevations), Concept finalisation.	10% is released as booking amount.
Stage 2: detailed design (site elevation, plans, elevations, sections, 3D model), material choice, production drawings.	50% is released.
Stage 3: design execution, site preparation, site clearing, MEP, electric installations, furniture placement, window works, site clearing and final finishes.	Remaining 40% is released.
Total cost of the project	Rs. 28,00,000/-

Designer: S&S Interior Design Studio Client:

Page 2 of 4

Contract draft for a Hypothetical Client

Faculty Co-ordination & Documentation Incharge :
Prof. Kran Elezabeth Joseph

MAID

Design Future -II: TECHNOLOGY

Futuristic Residence

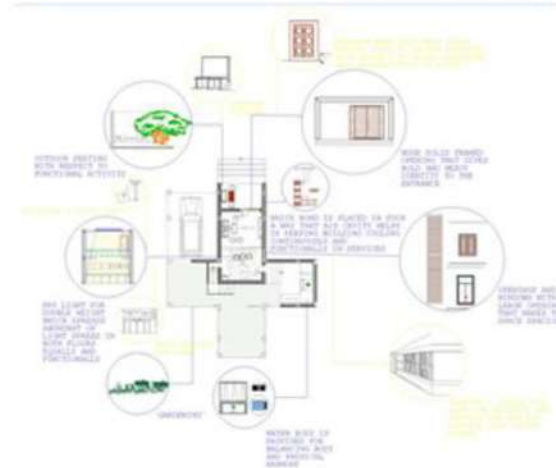
Faculty: Prof. Poonam Rathore
 Student: Sucharitha Tummepalli I 193713004



The design goes with the idea of eliminating the new modern day elements but believing in the older and traditional techniques since they serve both purpose and aesthetics. The techniques used then are implemented in this design providing strength and life, carrying the same old techniques along with new modern day design finishes the design is built. The idea of concept is also considered while using the materials by playing with the finishes and textures. The tones used are kept earthy and natural creating balance in the space.



BACK TO BASICS
 Futuristic residence - Floor plans



Elaborative comparative between design aspects and elements wrt concept



Sections - Along detailed furniture components

Integrated services for Interiors

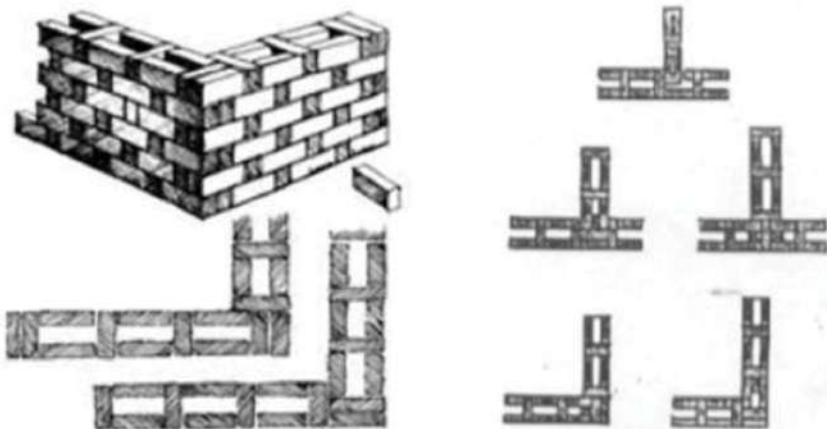
Construction Methodology

Faculty: Prof. Devi Prasad Kateel
Student: Sucharitha Tummepalli I 193713004



Student

The construction methodology that is used in conjunction with the proposal to introduce conventional construction techniques into modern construction methodology. They represent and add wealthy power to the structure which moulds an ancient influence on the structure. Among the most valued traditional techniques is trap-bonding. It's a brick masonry wall building process in which bricks are mounted vertically rather than horizontally, resulting in a cavity (hollow space) in the wall. Used extensively for its lower construction value, reduced material demand and higher thermal potency than typical masonry wall, while not compromising in density of the wall. Cavity induced in wall provides higher thermal insulation, leading to cooler interiors throughout summer and warmer interiors throughout winter. Both vertical and horizontal reinforcing bands, lintels, and electrical conduits are concealed within the wall, resulting in a more aesthetic appearance without the need for plastering.



Rat-Trap bonding

Innovative Materials

Faculty: Prof. Poonam Rathore
Student: Ratnam Rekha I 193713009



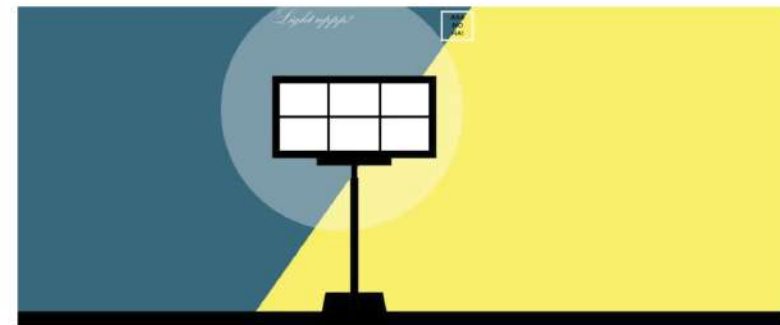
Designing a lamp inspired by a designer by studying, understanding their style of work and joinery. The product is detailed with design and required joinery for constructing the same.



Asa No Ha Lamp



Exploded View



Inspired by George Nakashima's work

THESIS REPORT

Faculty: Ar. Monika Jadhav
Student: Mrithuna Rajesh I 193713005

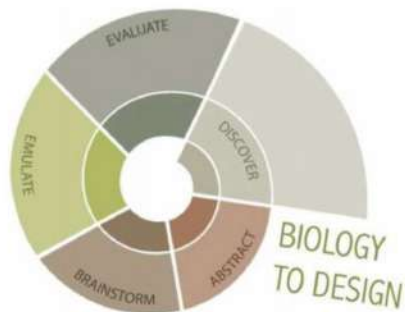


Aim:

- The aim of this research paper is to collate examples of sustainable biomimetic samples which are suitable to interior spaces and to present them in a detailed framework so that architects and interior designers can use it as reference when required.
- The aim will be achieved through several objectives which are:

Methodology:

The methodology used in this paper is purely qualitative and relies on documentary survey for the study. This involves a review of related literature from journal articles, thesis, books, and other on-line data sources.



- 1. DISCOVER**
Natural Models
- 2. ABSTRACT**
Design Principles
- 3. BRAINSTORM**
Potential Applications
- 4. EMULATE**
Nature's Strategies
- 5. EVALUATE**
Against Life's Principles

Probable outcome:

By identifying natural specimens from nature as biomimetic models and inferences from the tabled framework of the specimens, possible areas of application in interiors and products shows the power of use of Biomimicry as a design concept.

DESIGN TRENDS

Faculty: Ar. Monika Jadhav
Student: Mrithuna Rajesh I 193713005

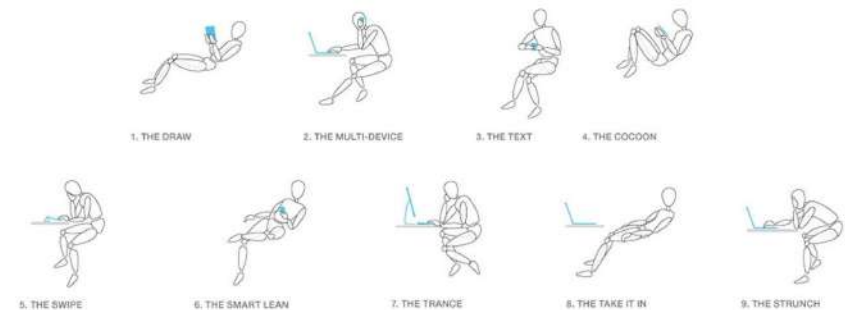


Aim:

This study aims to study the various attributes contributing to making flexible furniture's for efficient working spaces.

Objective:

This paper goes on to explore flexible furniture's for working spaces to fit the needs of today's generation users. Our objective is to find out the reasons to why such a concept is required in working spaces and how it affects the users in different aspects by understanding various variables to design a flexible furniture. By doing this we also aim to understand the bond between the user in relation to their social environment and mental wellness while at work. Hence to understand this deeply, we must define workspaces and flexibility concepts first.



Hypothesis:

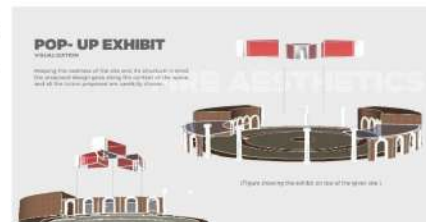
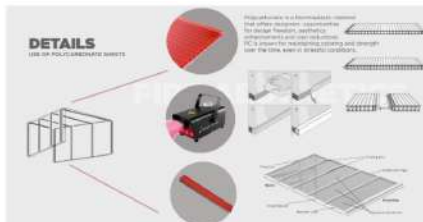
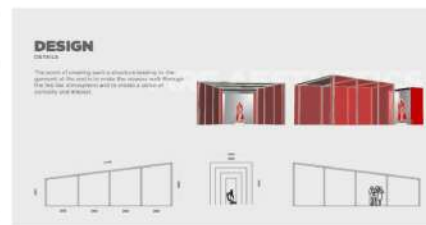
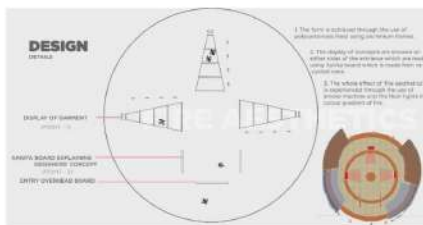
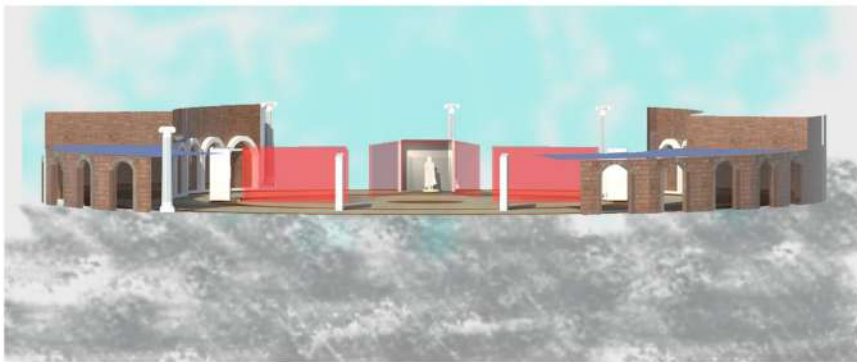
With all the factors considered while designing a furniture for workspaces, it enhances employee wellbeing, productivity, diversity and inclusion.

INTER-PROFESSIONAL

Faculty: Ar. Prarthana Narendra
 Student: Mrithuna Rajesh I 193713005



This pop up store is designed to showcase the finest collection of a fashion designer's work done during the course of study . The complete design revolves around the concept of 'Fire and Ice' since the designer's clothing concept was inspired from a character in game of throne (a popular television series). Every little detail from form development to choice of materials was carefully considered while designing this pop-up store on the given site.



Heat Transfer and Built Envelop Engineering.



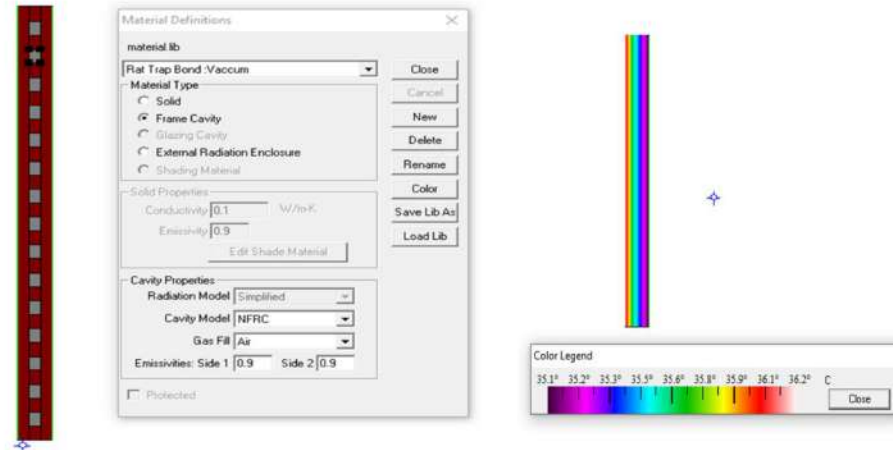
Student

Faculty: Prof. Pranav Kishore, Prof. Vipin Tandon
 Student: Nandhini Selvam | 203716008

This subject helps us to understand the heat transfer process in buildings through various modes. We designed the wall sections with respect to the heat transfer in multi dimensions using some of the simulation software like THERM and designed the Fenestration sections with respect to the heat using simulation tool called WINDOW.

THERM : THERM software is two-dimensional conduction heat-transfer analysis based on the finite-element method, which can model the complicated geometries of building products.

WINDOW: Windows software is used to calculate the U-Factor by assigning the window materials, glazing, gap and environmental conditions.



RAT TRAP BOND WALL
THERM SOFTWARE

U-FACTOR-RESULTS
THERM SOFTWARE

Environmental Design



Student

Faculty: Prof. Dr. Deepika Shetty and Prof. Sasmita Chand
 Student: Afreen. A | Registration number : 203716007

This subject helped us to understand the impact of built form on the environment and also to understand the current situation & global challenges in environmental design. It develops knowledge on environment management & different types of ecosystems. The basic principles & benefits of environmental design.

Developing an eco-friendly system or a material and understanding its carbon-foot print and durability. The research topic I selected was on BAMBOO AS A REINFORCEMENT MATERIAL RATHER THAN CONVENTIONAL STEEL.

AIM:

Environmental destruction due to rapid development and production of materials such as iron, steel and aluminum. To find another sustainable way to help the building construction industry. As bamboo is one of the oldest traditional building materials used by mankind, and to replace it with steel.

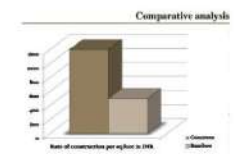
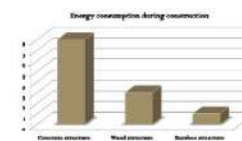
OBJECTIVE:

This is a substitute building material, which is renewable, environment friendly and widely available, as the wood resources are diminishing and restrictions are imposed on felling the natural forests. Due to its rapid growth, its adaptability to most climatic conditions and due to its properties, bamboo emerges as a very suitable alternative.

Methodology:

COMPARISON BETWEEN BAMBOO & STEEL

Property	Bamboo (kN/m ²)	Steel (kN/m ²)
Modulus of Elasticity	1000	20000
Compressive Strength	44 - 102	34
Tensile Strength	140 - 180	48
Bending Strength	35 - 120	34
Flexure Strength	30	37



Conclusion:

This is a good idea for a low-cost economical structure. It was also found that the flexural strength of a beam reinforced with bamboo is slightly equal to the steel-reinforced beam.

Green Buildings

Faculty: Prof. Pranav Kishore

Student: Sneha Suman | 203716003



Student

This subject helps to understand basic concepts related to green building, to evaluate rating systems for green buildings and to understand the present market scenario of green building & green products followed by the energy performance of a building.

To understand the concepts of different rating systems, we made a presentation on GRIHA and LEED showcasing its features, benefits, rating system, procedure eligibility and rating criteria. A GRIHA case study on Akshay Urja Bhawan Hareda, Panchkula and LEED case study on GBCI, Delhi was done to understand the energy consumption reduction, renewable energy used and compliance with ECBC.

LEED-India adapted from United States Green Building Council's (USGBC) is primarily based on per capita energy consumption in developed nations like the US which does not work in India since India's per capita energy consumption is very low compared to developed nations.

GRIHA is more suited to Indian climate. It does not promote usage of certain products like glass and air-conditioning equipment.



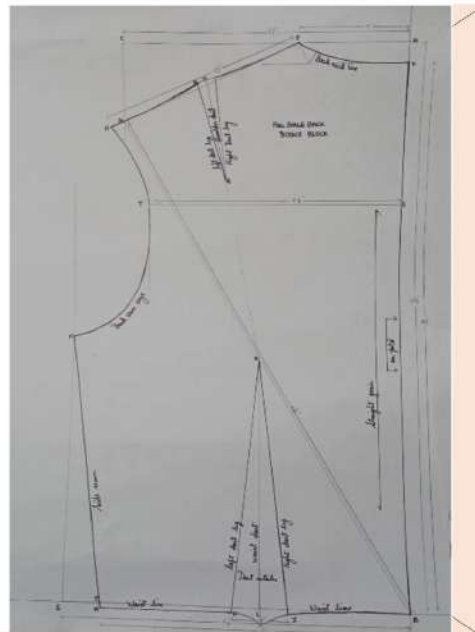
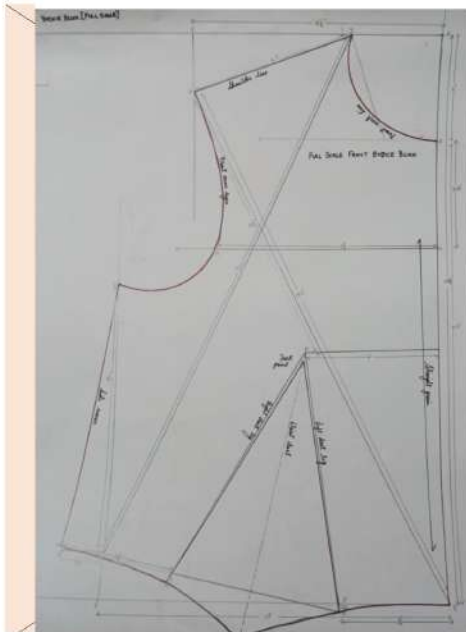
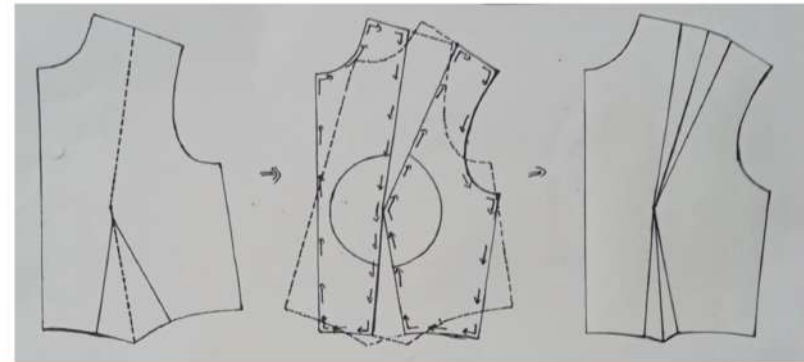
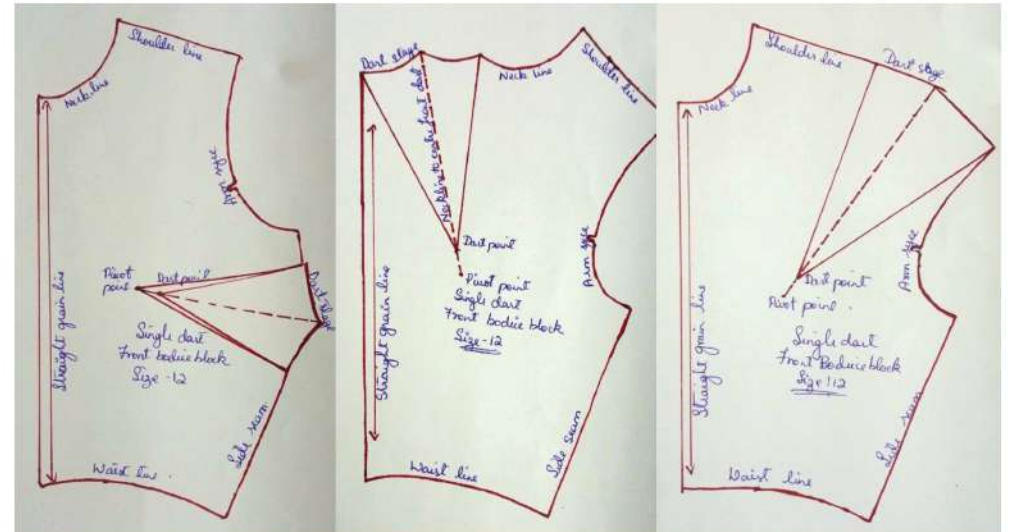
FASHION STUDIO - 1

Faculty: Dr. Veena Rao, Ms. Lucy Taje

Student: Snehashree N Menon | Registration number: 204207064



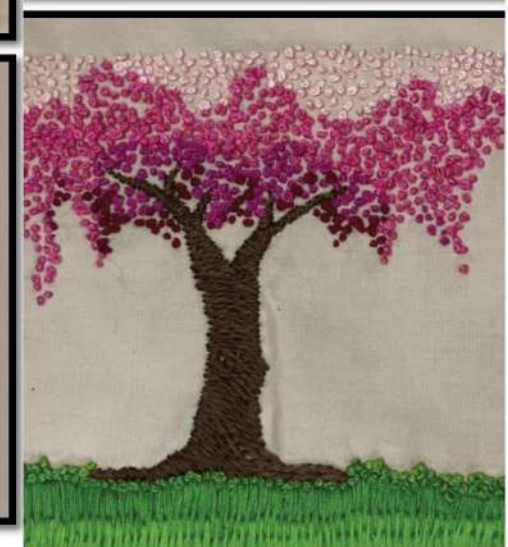
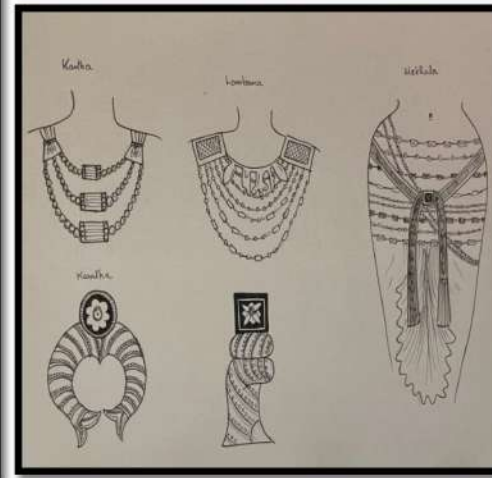
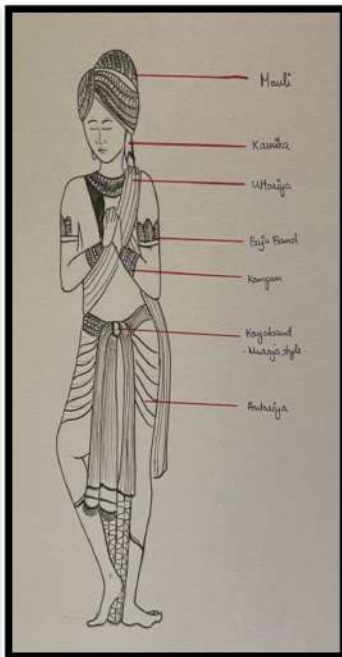
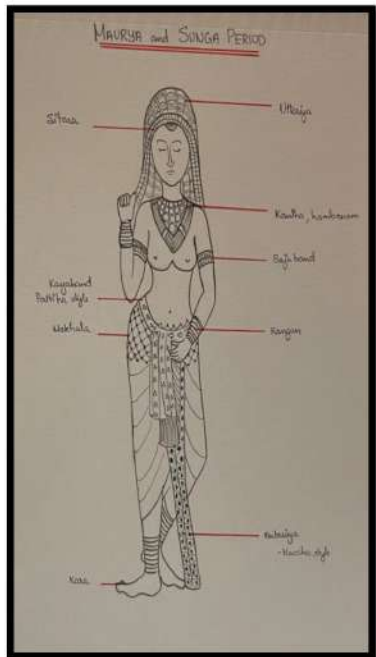
Fashion Studio - 1 is the foundation course for fashion designers and in this course we have covered 1) Drafting of Bodice Blocks using the necessary measurements 2) Dart Manipulation which is a method used for the shifting of darts on the bodice blocks, and 3) Sewing of the patterns to form a garment (Garment Construction).



HISTORY OF ART DESIGN AND FASHION

FACULTY : Ms SIMI MARIA MATHEW
 Ms NAGAVENI N NAYAK
 STUDENT : GOURIR SHANKAR | 204207016

This course will help in explain the development of civilisation with respect to art , design ,clothing and culture in India and also help in understand about different regional embroidery and techniques



VISUALISATION AND REPRESENTATION

FACULTY - MS SHUBHI AWASTHI
STUDENT - B.RACHANA.PAI | 204207076




THIS COURSE WILL HELP US DEVELOP OUR ILLUSTRATION, AND RENDERING SKILLS . IT HELPS US IN APPLYING DIFFERENT RENDERING METHODS USING DIFFERENT COLOUR MEDIUMS . IT TEACHES US THE BASICS OF DESIGN IT ALSO HELPS US IN ENHANCING OUR CREATIVITY .

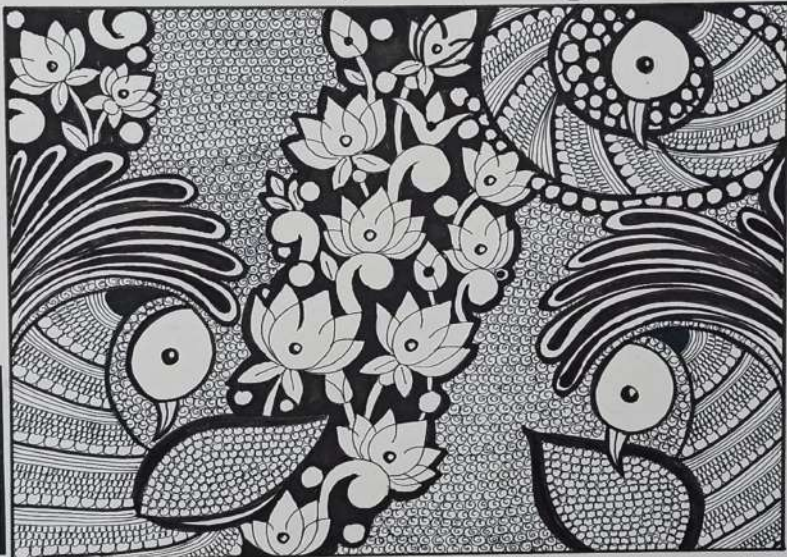
Unit 4: Principles of Design.

Assignment Brief:

Composition (Principles of design) and Developmental design.

Developmental Sketch →





Composition:
Principle in the design: - Asymmetric Balance.

Rendering: - Black sketch pen

Color Harmony:
White, Black
Asymmetric color harmony

ASSIGNMENT BRIEF:

To construct a mobile cover for the mobile with 100% sheet and use 3D forms.

COLOR HARMONY
Yellow, Green, Yellow Green

Analogous Color Harmony
MEDIUM OF COLOUR
Poster Colour









PRO'S & CON'S

Pros:
• Easy to make & prevents phone damage
• Gives phone a different look & can prevent phone from sunlight


Cons:
• Can be easily destroyed, paper is made of paper
• Paper can't be used for a long time & water can't wash

Features & Elements of Design:
• Analogous color harmony
• Geometric design
• Symmetric & triangularity is used


MONOCHROME




SPLIT COMPLEMENTARY COLOR HARMONY




ANALOGOUS COLOR HARMONY




TETRAIC COLOR HARMONY



COMPLEMENTARY COLOR HARMONY



TETRAIC DOUBLE COMPLEMENTARY COLOR HARMONY



Assignment Brief:

3-D form (Shapes) construction

Construction of Shapes:

- Cube - 10cm x 10cm
- Cuboid - 5cm x 5cm
- Pyramid base - 8cm x 8cm
- Pyramid height - 10cm
- Cylinder - 7.5cm height - 10cm

Dimensions







Developmental Sketch:

Pyramid, Cuboid, Cylinder

Design on the Shapes:
Cube - Bubble pattern
Cylinder - Geometric harmony
Pyramid - Geometric harmony
Cuboid - Floral prints
Pyramid - Geometric lines




FASHION ILLUSTRATION

FACULTY : Ms. LUCY TAGE
 Ms. SHUBHI AWASTHI
 STUDENT : ROSA DOMINIC | 204207052



This course will develop the skills of illustration in application of different drawing techniques and types of mediums and techniques to illustrate and render male, female and child body with garment detailing and broaden the skills of presentation by visual representation techniques.



Design process

Theme based design

Faculty : Simi Maria Mathew

Student: Tesa Jimmy | Registration number: 193711044

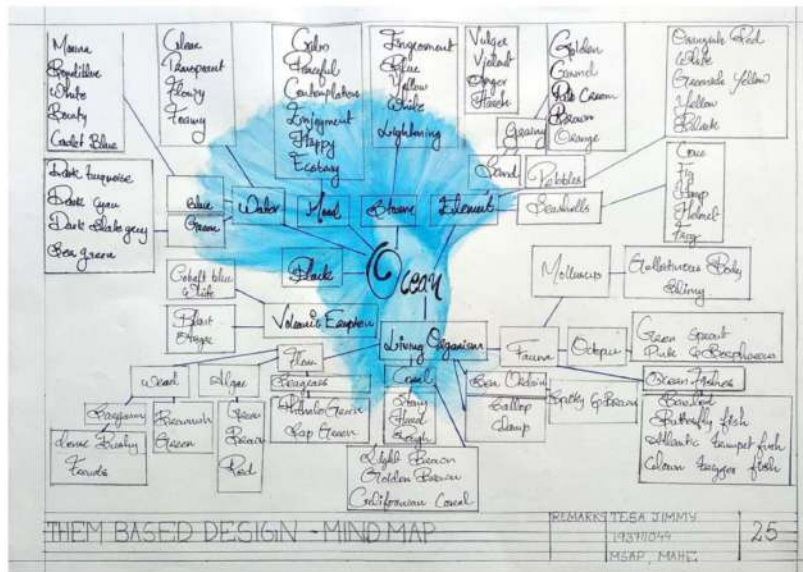


student

This course will teach us how a garment is designed based up on a theme. It will teach us how all the minute steps we take during the designing process will affect the final design. It also reveals the several steps that is to be taken before going further with a theme and how each detail on the final design can lead to the main theme of the design. It also shows us how elaborate and intricate the entire process of designing is.



Final illustration



Mind map on ocean



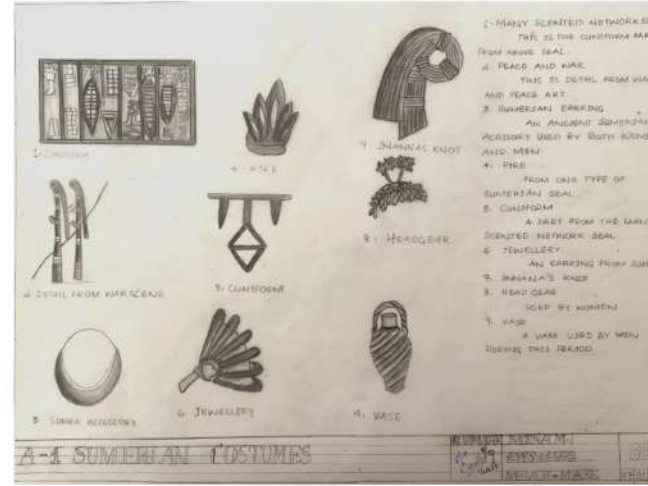
Developmental sketches

History Of Art Design And Fashion- II



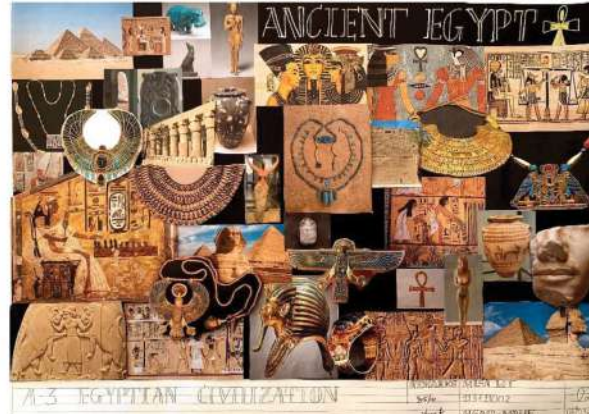
Faculty: Prof Veena Rao , Prof Kranthi I.
Student: Misa M.t | 193711002

The outcome of this subject is to learn more about Ancient era ,their clothing , leisure , art and social events .This helps us to develop further skills , to take inspiration and develop designs from components seen during that era to developing contemporary designs of the same



Clothing and accessories from Sumerian period

Clothing from Babylonian period



Collages and rendered inspired contemporary costumes

Fashion Studio II

Faculty: Prof. Lucy Taje, Prof. Vishal B Pithadia
 Student: Divyani Singh I 193711020

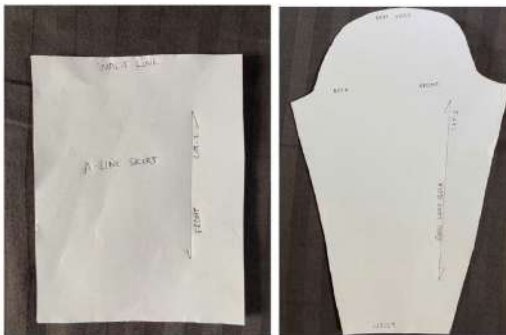
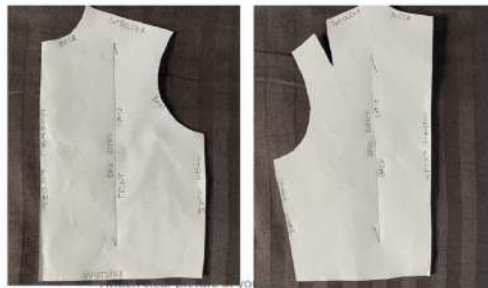


Student

It starts with the simplest idea but then takes the path to make something beautiful that makes difference, a difference in the way you feel and think, that's what it is to design. The process involved in Designing and stitching a dress with respect to the impact of COVID-19 on the fashion industry. The process involves *Designing *Drafting/Flats *Design illustration *Stitching. The end product being a beautiful and aesthetically catchy dress. The dress leaves the arms covered and flows down into a high neckline it is a simple fit that focuses on the breast gracefully. The design focus not only on the comfortability but also to the fit.



Color Pantone and swatch:



Paper pattern

Pattern Draft and Lay-out:



Final product

Fabric studies 1

Faculty: Prof Reshmi G , Prof. Rena Mehta
 Student: Divyani Singh | 193711020



Student

yarn analysis Textile has two processes, mainly divided into spinning and weaving. ... Therefore, when analyzing the quality of textiles, it is necessary to make a comprehensive and systematic analysis of the structural factors on the yarns used in the textiles such as the type, the shrinkage rate, fineness, twist direction and so on.

Making a contemporary dress inspired from Jamdani , Jamdani is a fine muslin textile produced for centuries in South Rupshi of Narayanganj district in Bangladesh on the bank of Shitalakhwa river. The historic production of jamdani was patronized by imperial warrants of the Mughal emperors.



TYPE: CORD YARN
 TWIST: S TWIST
 END USES: KNITWEAR, JEANS, DECORATION AND ALSO GIVES DIFFERENT LOOK.



TYPE: EMBROIDERY THREAD
 TWIST: S TWIST 2 PLY YARN
 END USES: MAKING CROCHET STUFFS, MAKING EMBROIDERIES.



TYPE: SEWING THREAD
 TWIST: S TWIST SINGLE YARN
 END USES: USED FOR STITCHING CLOTHS.




TYPE: WOVEN FABRIC
 TWIST: S TWIST / 2 TWIST
 END USES: QUITE CLOSELY KNIT AND ARE USED FOR MAKING T-SHIRTS AND LINGERIES.

Yarn analysis

YARN ANALYSIS

YARN IS A LONG CONTINUOUS LENGTH OF INTERLOCKED FIBRES, SUITABLE FOR USE IN THE PRODUCTION OF TEXTILES, SEWING, KNITTING, WEAVING, EMBROIDERY. **THREAD** IS A TYPE OF YARN INTENDED FOR SEWING BY HAND OR MACHINE.

TWIST IS MAINLY THE SPIRAL ARRANGEMENTS OF THE FIBERS AROUND THE AXIS OF THE YARN.



TYPE: NOVELTY YARN
 TWIST: TWISTLESS FILAMENT
 END USES: FLASHY BAGS, DRESSES, DECORATIVE, HANDLES FOR SHOPPING BAG.



TYPE: SINGLE YARN
 TWIST: S YARN TWIST
 END USES: COTTON TOWELS, HANDKERCHIEFS BECAUSE THEY WON'T CAUSE ANY DISTURBANCE.



TYPE: KNITTED FABRIC
 TWIST: S YARN TWIST
 END USES: SWEATSHIRTS, SWEATPANTS FOR WINTER.



TYPE: PLY YARN
 TWIST: 2 PLY YARN S TWIST
 END USES: CARPETS, DOORMATS AND ROUGHY USING CLOTHS.

About Jamdani textile:

The history of the origin of the craft:
 The name Jamdani is of Persian origin and is strongly suggestive of Mughal influence. It is a compound word wherein "jam" means flower and "dani" means vase. The name is suggestive of the beautiful floral motifs that adorn these gorgeous saris.

The Jamdani weaving tradition of Bengal dates its roots to the most time and labor intensive form of handloom weaving. In the first half of the 19th century James Taylor describes the figure of a flower garden in the late 19th century. In history information the fabric is produced mainly in the town of Dhaka Bangladesh. It is hand woven on cotton fabric delicately embellished with intricate motifs that are expertly woven into the fabric.


Place of practice:
 The Jamdani weaving tradition is of Bengali origin. It is from West Bengal. It has its roots in Dhaka Bangladesh then are more remote parts of Bangladesh's weavers.


Colors used:
 Colors mainly used for Jamdani fabric are traditionally White, black, grey with Golden border.

Motifs:
 Jamdani motifs are mostly floral but in geometric shapes.

Techniques:
 First yarn is to make the fabric is called Dred.

once only which flow were used cutting way and well are like any other handloom weaving process using the true shuttle across the fabric is an open weave with plain weave structure that makes the saree very transparent. Both color and cut threads are used and are thicker compared to the regular warp and weft threads. If the shuttle threads is silk then mainly it gives the contrast threads are used for the floral designs. The ornamental aspect of the jamdani is that the motifs or patterns are woven into the fabric purely from machinery with no use of stiches or beading chains. In order to outline the threads, starch is applied while the threads are still on the loom after every row of weave is woven.


 The figures above are the Motifs used.





Final product

FASHION ILLUSTRATION

B.DES FASHION DESIGN

Faculty: Prof. LUSY TAGE
 Student: ASWIN KUMAR K | 193711026



Fashion illustration is a subject which is all about illustration of human figures but with very flattering figures and non proportional figures. Limbs are stretched and given a more s-shaped silhouette to make it look more gracious and elegant. In this there are illustrations that showcase different garments, their details, different fabrics and their look all together. First image is the assignment which showcases the outfit, it's details and the flat drawings of the same. Second assignment is that of fashion accessories which complete any look. Here a pair of pumps and a stiletto has been illustrated in different views. The 3rd and the last assignment stages the different fabrics and how it can be rendered through illustration.



HADF-3 B.Des Fashion Design

Faculty: Ms. Simi Matthew

Submitted by: L. M. Mahima 193711042



HADF-3 stands for History of Art, Design and Fashion. This is the third volume of history that we're studying. Here are assignments pertaining to Gothic, Renaissance, Baroque, Rococo and Directoire periods. In the top right assignment, costume designs are developed inspired from certain periods in history.

The next image is a collage of Gothic Art & Architecture which was the base inspiration to create a product/fashion accessory. Two views of the same has been showcased in the next image of the footwear with the heel being carved in the shape of a Pinnacle which was very evident during the Gothic times. The last image is sketch journal which records the costumes of the Middle Ages.



Sketch Journal



Gothic Art & Architecture Collage



Fabric Studies - II

Faculty: Prof. Reshmi G
 Student: Sumedhini S Hebbar | 193711014



Student

Outcome of this course was to Design contemporary styles inspired from traditional Indian dyeing techniques. This project was based on traditional dyeing of Andhra Pradesh (kalamkari), Jaipur (sanganeri), Uttar Pradesh (bandhani) was also executed with contemporary clothing based on its motifs taking inspiration from the traditional motifs.

FINAL PRODUCT

This was one of the most fun project I did so far. For this project I dyed one of my mother's old saree using tie and dye technique and made it into a dupatta and took a muslin gore skirt that I stitched for last semester project and printed flower vines using block printing technique. I used potatoes to carve the design for my blocks. I also tie and dyed another fabric to make a mask out of it that goes well with the outfit. Overall this project was fun as I got to experiment with many techniques and colors and got a vibrant outfit out of old clothes.

SHAWL MASK BLOCK PRINT

BLOCK PRINT ON SKIRT SKIRT

KALAMKARI

FEW SWATCHES OF KALAMKARI:

ORIGINAL	STYLISED	ORIGINAL	STYLISED
ORIGINAL	STYLISED	ORIGINAL	STYLISED

KALAMKARI PAINTINGS

BANDHANI

FEW SWATCHES OF BANDHANI:

ORIGINAL	STYLISED	ORIGINAL	STYLISED	ORIGINAL	STYLISED
ORIGINAL	STYLISED	ORIGINAL	STYLISED		

SANGANERI

FEW SWATCHES OF SANGANERI:

ORIGINAL	STYLISED	ORIGINAL	STYLISED
ORIGINAL	STYLISED		

NATURAL DYEING

EUCALYPATUS		SPINACH	ALTERNANTHERA
TURMERIC			

Creative Textiles

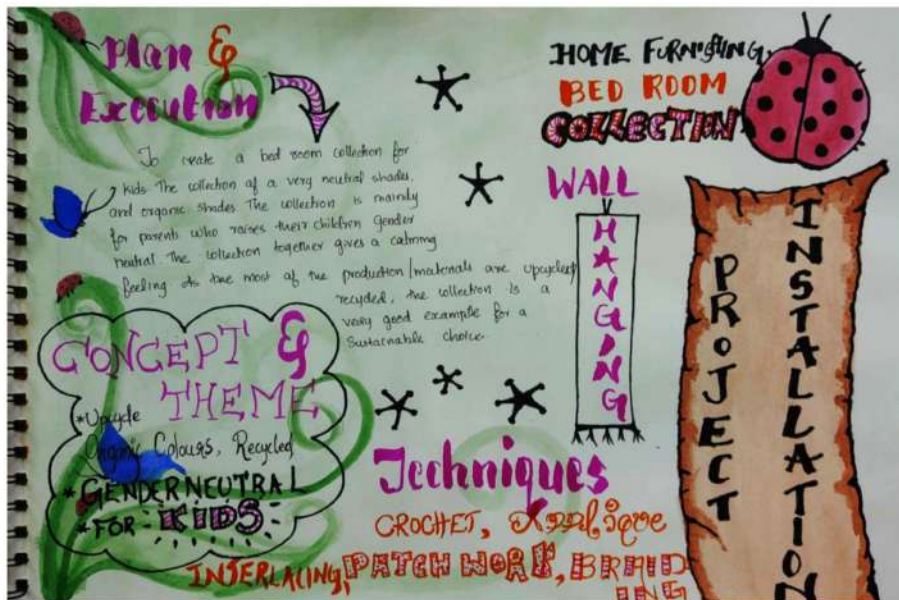
Project Installation

Faculty: Lucy Taje, Nagaveni N, Veena Rao, Rena Mehta
Student: Tesa Jimmy | Registration number: 193711044



student

This subject teaches us about the importance and the necessity of understanding the different purpose and use of the various forms of textile. This course opens the doors to a different perspective of creativity. This course prepares and polishes our mind to think in a different view. It also shows us how each folds and each knots makes a difference. It will help us express our creativity to the maximum.



The plan for the project



Fashion Studio – III

Ethnic Women's ,Men's and Kids wear

Faculty: Prof. Nagaveni N. Nayek
 Student: Misa m.t. | 193711002



Student

Outcome of this course is to Design and develop Men's and Women's ethnic wear ,and Kids casual wear based on a particular concept and apply learnings of surface ornamentation techniques.Finally I, based upon this courses outcome developed Men's and Women's ethnic wear, and Kids casual wear based on 'Ecclesiastical Mesquita' concept taking inspiration from Cordoba of Mesquita ,Spain and Duryea kind of moth along with application of surface ornamentation technique like embroidery ,sequin work, applique etc. The course also directed us to design hang tags for the clothing label keeping in mind of our collection as well and develop cost sheets, boards and illustration to help us with designing terms in future



Boards - Theme board ,Mood board, Look board and client board(From left)

Final Garments ,Hang Tags, Illustrations And Cost Sheet

FASHION STUDIO 4

MAIN STUDIO SUBJECT

Faculty: Prof. Naagaveni Nayak, Prof. Rajesh Kumar
 Student: Aishwarya J | 183711014



Student



Look board, Brand board and Illustrations

This course introduces pattern and sewing techniques for knitwear garments. It widens knowledge about fabrics moving from woven to knits and newer sewing techniques to handle the same. This course involves an assignment where the student has to research, design, make patterns, cut and sew knitwear garments (collection) like sweatshirt, sweat pant, leggings, dress, jumpsuit and swimsuit everything adhering to the same theme/ concept.



Illustrations and Packaging details



Theme board, Mood board and Client board



Photoshoot

FASHION STYLING AND PHOTOGRAPHY- STUDIO SUBJECT



Student

Faculty: Prof. Rajesh Kumar
Student: Aishwarya J | 183711014

This course provides a base for styling and photography. This course introduces several styling ideas, photography techniques and concepts behind it. This course includes assignments where the student has to research, style and do photoshoots adhering to a particular concept and mood.



Transculturalism is defined as seeing oneself in the other or involving, encompassing, or combining elements of more than one culture. It is rooted in the pursuit to define shared interests and common values across cultural and national borders. Transculturalism can also be described as seeing many sides of every question without abandoning conviction, and allowing for a chameleon sense of self without losing one's cultural centre. Here, Indian and bohemian styles are combined to depict the concept of transculturalism

Indian culture is mostly conservative and freedom is less for women. Bohemian culture is known for its freedom in every aspect of life. Hence the mood liberty is depicted by freeing the Indian silhouettes and incorporating bohemian silhouettes. Transculturalism is justified by using Indian textiles, prints and other elements to depict bohemian style.

Concept board and Mood board

Magazine pages – styling and photography

MATERIAL EXPLORATION STUDIO SUBJECT

Faculty: Prof. Reshmi.G, Prof. Shubhi Awasthi
Student: Aishwarya J | 183711014



Student

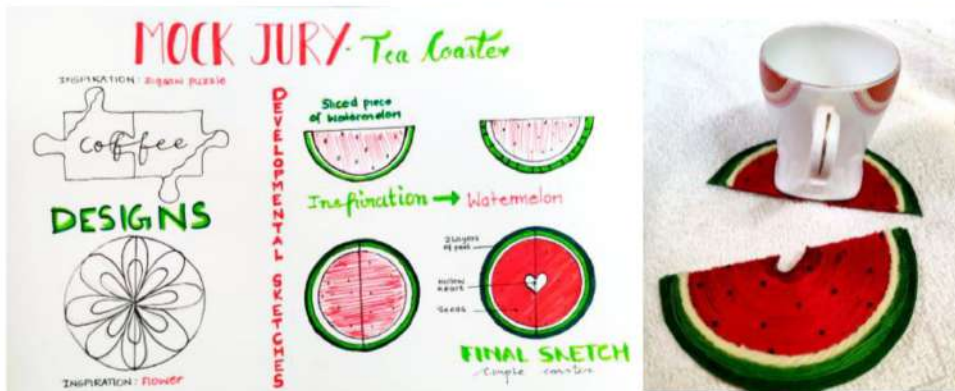
This course introduces different types of materials and different techniques to work on it. This course will expand one's creativity to do more than what could be done using a specific material and learn its properties. This course included assignment based on different materials like fabric painting on fabric, model making using ivory sheet, soap carving, paper quilling, clay work and macrame where every assignment a design process



Fabric painting on tote bag



Pen stand using Ivory sheet



Clay work and Tea coaster making out of scratch



Accessories using paper quilling method

DRAPING

Faculty: Mr. Vishal B Pithadia
 Mrs. Rena Mehta
 Student: Gayathri E | 183711048



Develop an ensemble through draping, post creation of relevant boards and illustrations. Present appropriate fit analysis to show the mockup before development of the final garment.



FIT ANALYSIS



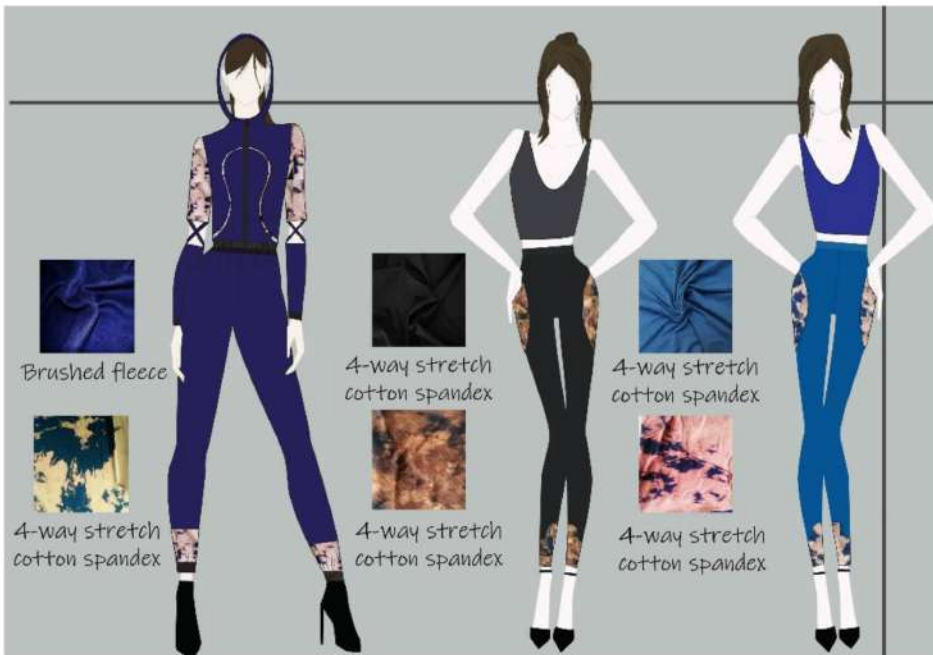
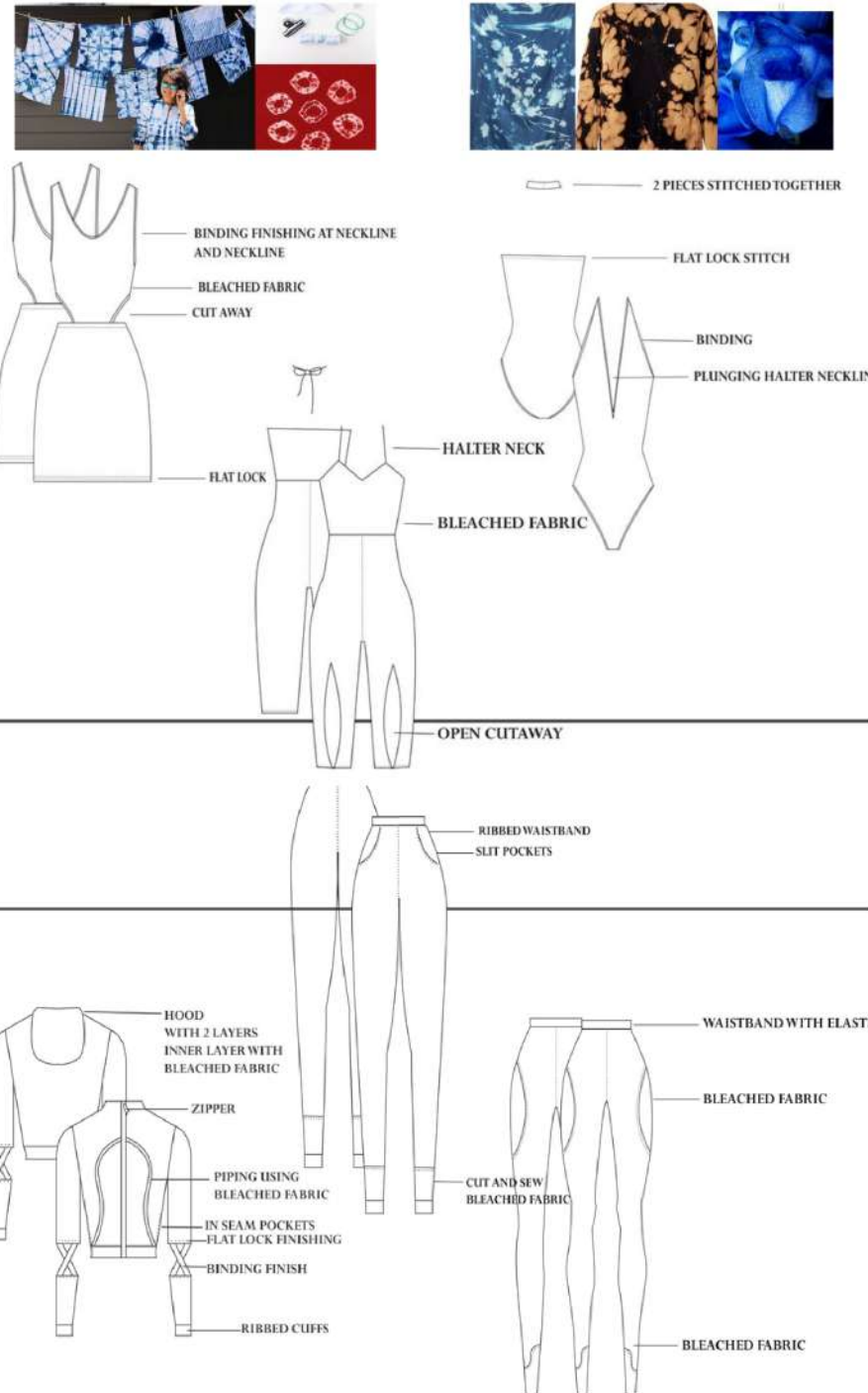
DESIGN PROJECT

Fashion Studio

Faculty: Prof. Rajesh kumar & Nagaveni nayak
 Student: Anjana Kamath | 183711002



Shibori is a Japanese resist dye technique which produces one a kind pattern. For my knitwear collection I used cotton knits and created its unique pattern using shibori as my inspiration. Instead of tie and dye, I used bleach to remove the color from the dark cotton fabric. Since the base shade for the colored fabric is different, the pattern was exclusive and unrepeatable. This technique allowed me to use all the fabric that I had on hand. Pieces create were sweatshirt, sweatpants, 2 leggings, a dress, jumpsuit and a swimsuit.



FASHION ILLUSTRATIONS

APPAREL PRODUCTION AND QUALITY CONTROL - THEORY SUBJECT

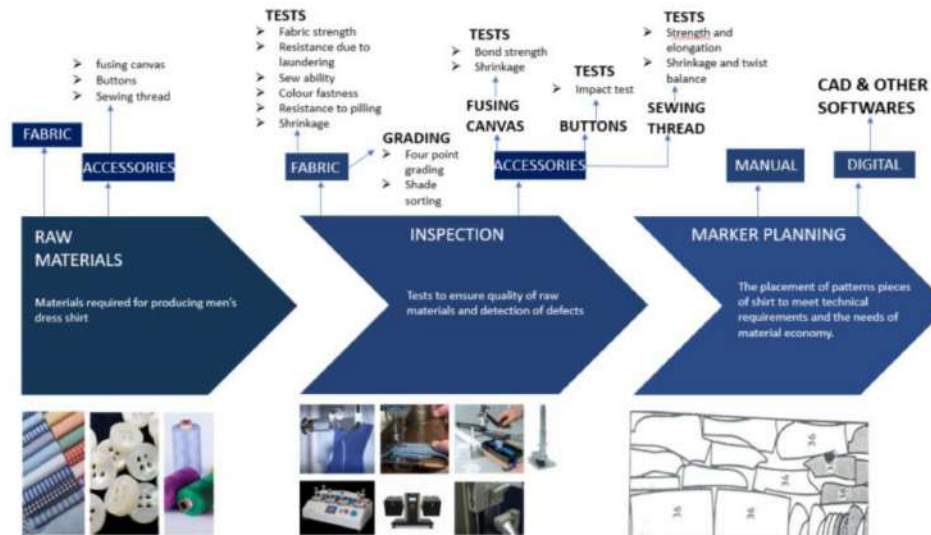
Faculty: Prof. Lucy Taje , Prof. Resmi.G , Prof. Rena Mehta
 Student: Aishwarya J | 183711014



Student

This course throws light on the entire apparel production and quality control process in detail. This course provides in depth knowledge of several departments in the apparel industry.

PRODUCTION PROCESS OF MEN'S DRESS SHIRT



CREATIVE TEXTILES STUDIO SUBJECT

Faculty: Prof. Lucy Taje , Prof. Resmi.G , Prof. Rena Mehta
Student: Aishwarya J | 183711014



Student

This course provides knowledge on other creative textiles and fiber artists who are following it. This course expands the student's textile knowledge into creative methods other than the conventional one. This course includes assignments where the student has to use creative textiles to make a particular category of products drawing inspiration from fiber artists and adhering to a theme/ concept.



Concept board and Mood board



Magazine pages – styling and photography

ECO CHIC STUDIO SUBJECT

Faculty: Prof. Rajesh Kumar
Student: Aishwarya J | 183711014



Student

This course introduces sustainable techniques that can be used in making garments. This course throws light on the conscious way of making garments by inculcating several sustainable and upcycling techniques. This course involves an assignment where the student has to research, design, cut and sew a garment for both men and women incorporating different sustainable techniques and everything adhering to a theme/ concept.



Developmental sketches, Final sketch, Indigo dyeing process



Process



Theme board, Mood board, Client board and Look board



Final Garment

FASHION STUDIO 5

MAIN STUDIO SUBJECT

Faculty: Prof. Vishal , Prof. Rena Mehta
 Student: Aishwarya J | 183711014



This course introduces the techniques of pattern making and sewing for men's formal wear. This course will expand their knowledge on pattern making and sewing introducing newer and advanced techniques for neat and classy finish. This course involves an assignment where the student has to research, design, make patterns, cut and sew formal garments like a shirt, waistcoat, trouser and blazer, everything based on a theme and concept.



Brand board and Client board



Project brief and Tech pack



Theme board and Mood board



Final sketch and Technical drawing

Portfolio Development – Final Collection Portfolio

Faculty: Ms. Simi Mathew, Ms. Nagaveni Nayak, Mr. Vishal Pithadia, Mr. Rajesh Kumar
Student: Unnati Patel | 173711028



Student

Finding rejuvenation by going against the grain, the collection is inspired by the Mexican artist Frida Kahlo. Her personal style was as memorable as the paintings she created. She is an icon of strength and determination. Her way of portraying misfortune and turning it into something beautiful is the inspiration behind the collection. The concept was to build objects of beauty through the monsters of pain. The same is reflected through silhouettes, design elements and surface ornamentation techniques like applique.



Theme Board



Photoshoot

Fashion Forecasting

Faculty: Ms. Nagaveni Nayak.
Student: Rutaja Kulkarni | 173711006



Student

Developing a fashion forecast by analysing the trend for SS21-
Developing Story, Theme, Colour, Textiles, and Look board



Story board



Theme board



Color board



Fabric board



LOOK BOARD

DRAPING II

Faculty: VISHAL PITHADIA
Student: SHABANA SHEIKH | 173711004



Student

Draping is the art of manipulating fabric directly on the dress form in three dimensions. In this subject course you'll learn how to handle fabrics and drape different kinds garments and develop patterns for the same. Shown below is the step by step process to drape a Corset which is traditionally a tight fitted undergarment extending from below the chest to the hips, worn to shape the figure. Corsets can now be seen being worn as a piece of clothing and are relatively relaxed and stylized.



TWILL TAPE: USED AS A GUIDELINE
FABRIC SECURED WITH PINS.

STAGE I: WORKING ON THE TOP HALF OF THE BUSTIER



STAGE II: WORKING ON THE BOTTOM LEFT OF THE BUSTIER



- FABRIC IS CLIPPED FOR EASE WHEREVER NECESSARY
- EXCESS FABRIC IS CUT OUT
- PINS ARE USED TO SECURE DIFFERENT PIECES OF FABRICS
- GRAIN LINE SHOULD BE MAINTAINED
- PRE - DRAPING PREPARATIONS NEED TO BE FOLLOWED

STAGE III: WORKING ON BOTTOM RIGHT OF THE BUSTIER



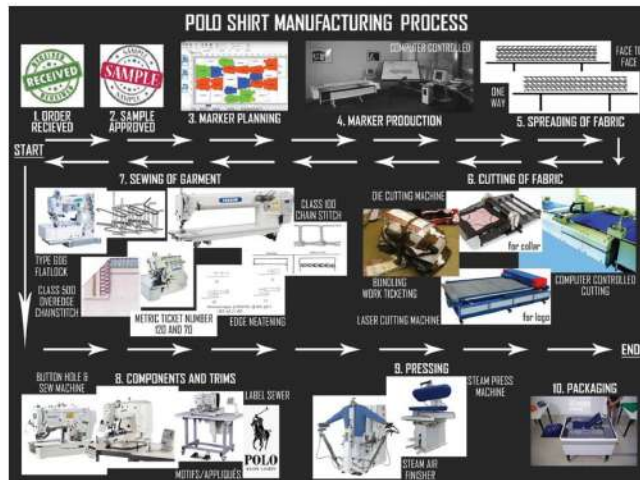
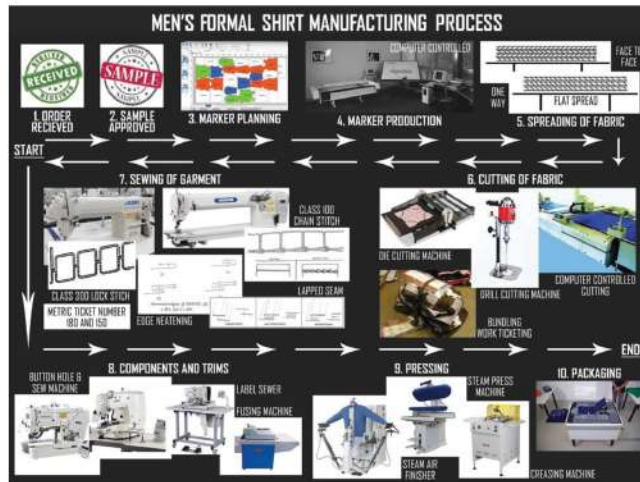
- AFTER THE COMPLETION OF DRAPING
- THE REQUIRED GUIDELINES ARE DARKENED WITH PENCIL.
- FABRIC PANELS ARE UNPINNED AND TRACED ON A BROWN PAPER FOR PAPER PATTERN DEVELOPMENT

STAGE IV: WORKING ON THE BODICE PANELS.

Apparel Production Management

Faculty: Ms. Resmi G.
Student: Unnati Patel | 173711028

Developing a manufacturing process flowcharts, while discussing the importance of maintaining apparel quality from various perspectives.



Flowcharts of Men's Formal and Polo Shirt Manufacturing Process



Student

Fashion Styling

Faculty: Ms. Lucy Taje
Student: Unnati Patel | 173711028

Developing boards and styling looks based on films and music.



Student



Inspiration Board Based on a Film



Looks



Looks



Looks



Inspiration Board Based on a Song

Computer aided design 1 (BFD 405)

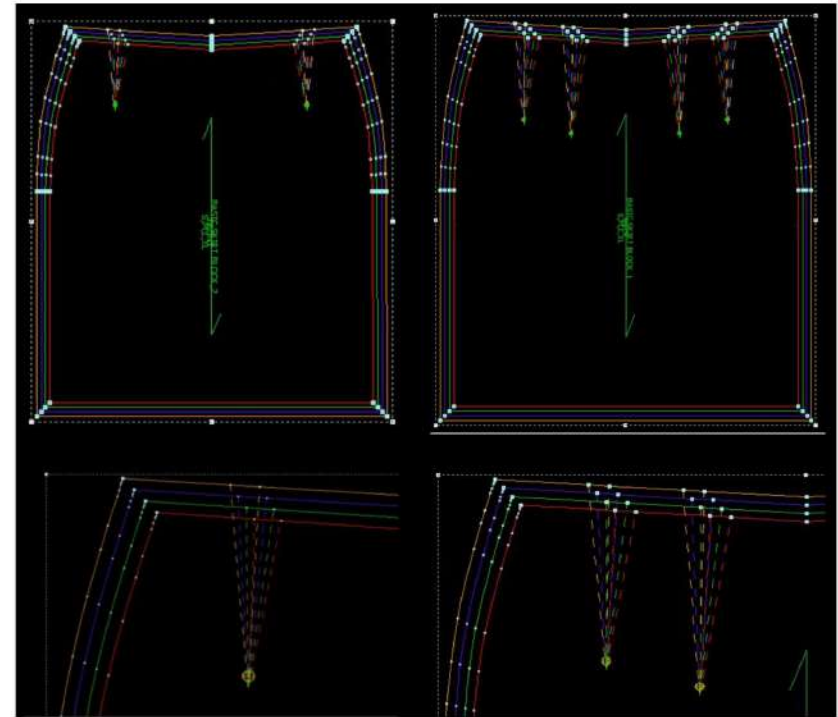
Main Studio Subject

Faculty: Prof. Vishal Pithadia
Student: Avani Bhatt | 173711024

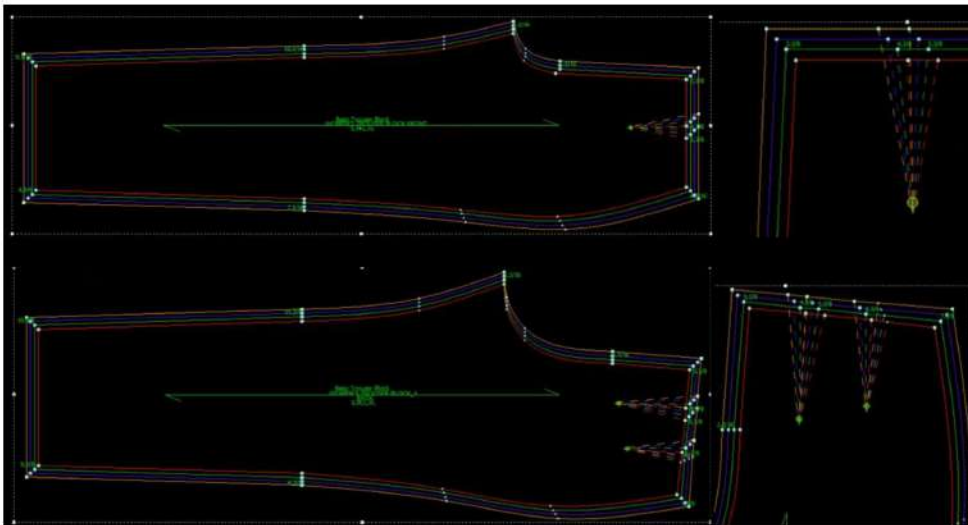


Student

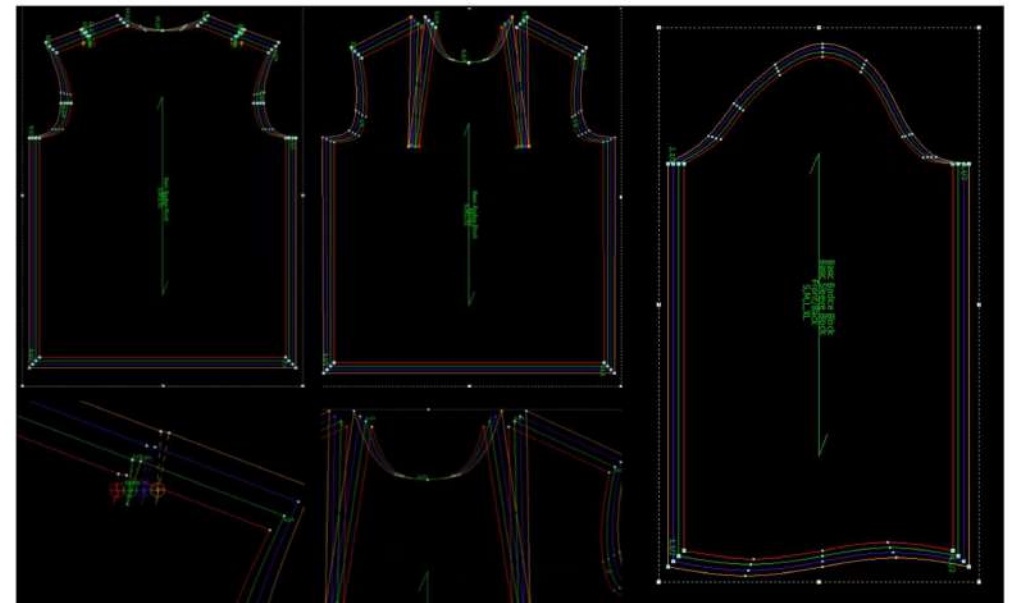
This course will provide knowledge and essential skills required to exhibit competencies in professional engagements and higher education. This course will equip students to develop the ability to make pattern drafts digitally using software like TukaCAD, which is a much needed skill to learn as patterns are made on such applications for large scale production and also the drafts made are accurate according to measurements and leaves very less place for mistakes. As every things around the world is digitalized, this course helps students to enhance their pattern making skills which is a crucial step of designing.



Basic skirt block with grading size XS to L



Basic trouser block with grading size XS to L



Basic bodice and sleeve block with grading size XS to L

Fashion Trend Forecasting

Faculty: Prof. Nagaveni N. Nayak and Prof. Resmi Gangadharan
 Student: Anirikshika Kunder | 204215007



This subject teaches us the process of researching and formulating predictions on trends and consumer buying habits. We also learn how various factors influence changing trends and inspirations such as celebrity lifestyle, health, politics, entertainment, movies and so on.

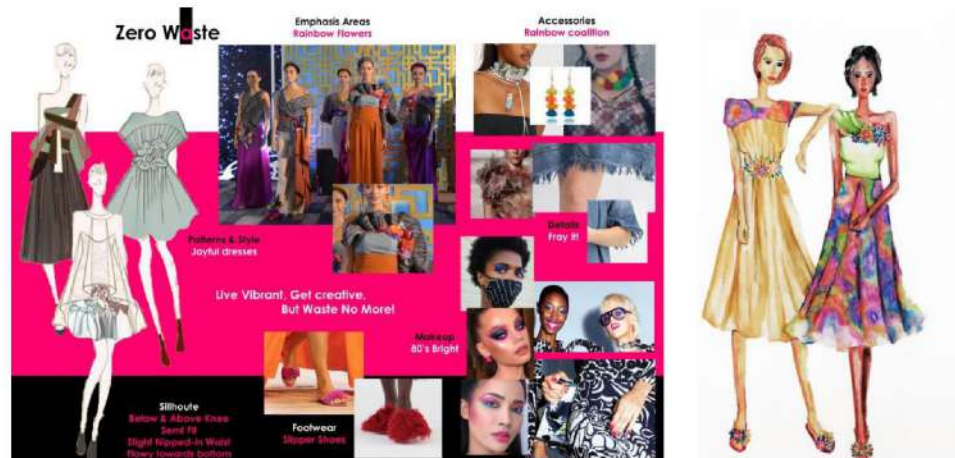
The work includes research on selected topic celebrity lifestyle and derivation of a spirit of time. A theme and mood is predicted, followed by colour, fabric and trim & look forecast and the respective boards.



Theme board - LiVibrant; and colour board



Fabric and trim board



Design Thinking

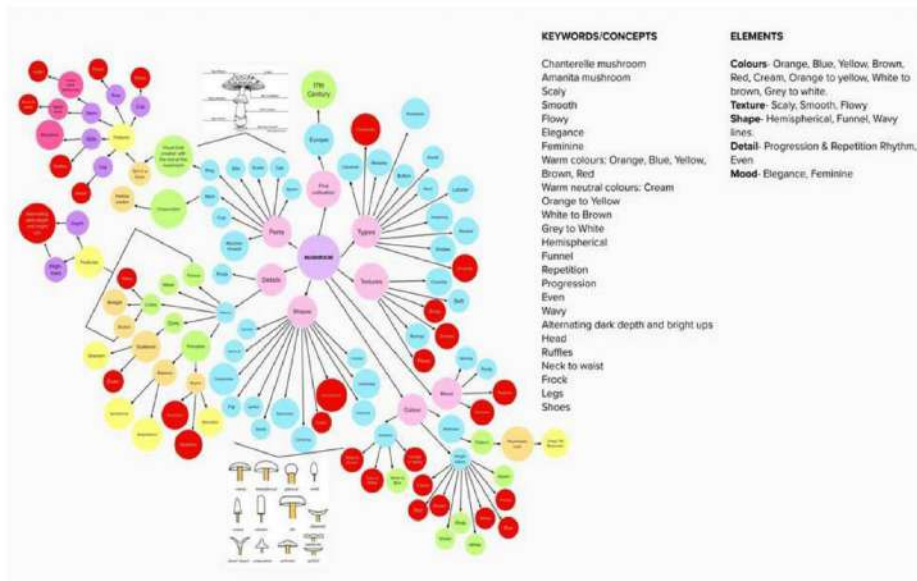
Faculty: Prof. Simi Mathew
 Student: Anirikshika Kunder | 204215007



Design thinking is an in-depth thought process and understanding put behind creating a product design; can be from a source of inspiration or need, to the final product and the after processes related to the product. It is also the process of solving problems by prioritizing the consumers needs above everything else. It relies on observing, with empathy, how people interact with their environments and employs an iterative hands-on approach to creating innovative solutions. The theme picked for the task is 'Mushrooms' a simple theme with deep and numerous elements to be inspired from. The category of products are Home décor; the theme giving it an elegant look.



Theme board with color palette - Mushrooms



Mind Map for theme Mushrooms



Home Décor products inspired by Mushrooms

Fashion Merchandising and Marketing

Faculty: Prof. Sachin R. Chandra
 Student: Anirikshika Kunder | 204215007



This subject teaches about how businesses work, including all the processes involved with producing raw material and retail stores that sell apparel to the public. It also teaches marketing strategies & how companies interact with the consumers and execute work processes.



Ad Copy



Impulsive buying comic



Creative Ads by different brands

Open Elective

Faculty: Prof. Shubhi Awasthi
 Student: Anirikshika Kunder | 204215007



This subject gives us an opportunity to choose any online course of our choice to study, for which I have chosen the course 'Fundamentals of Graphic Design' by CaLARTS.

Through this course I learnt how to experiment with and design brand logos, names, imagery and other graphic elements.



Course certificate and grade

Entrepreneurship

Faculty: Prof. Mukesh
Student: Anirikshika Kunder | 204215007

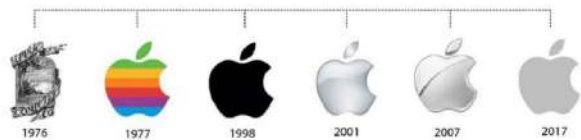


Student

This subject teaches us to think outside the box and nurture unconventional talents and skills. We learn how to create and grab opportunities, instill confidence, stimulate the economy and how to become successful entrepreneurs.

The assignments in this subject included studies on a number of successful entrepreneurs and interpreting our thoughts on what it teaches us and the various ways that lead them to success.

Other assignments include, learning and creating a business plan for a company of our own, learning about various benefits and schemes for entrepreneurs like Start up India, research on product problems and solutions & entrepreneurs and innovations.



Apple Logo History

Innovative entrepreneurs Steve Jobs and Steve Wozniak - Apple

Professional Communication Skills

Faculty: Prof. Sharal T. Correa
Student: Anirikshika Kunder | 204215007



Student

This subject teaches us how to speak appropriately in the right manner with a wide variety of people, improve vocabulary, listen effectively, write clearly and concisely; and work well in a group.

The assignments in this subject included impromptu speeches, debates, and language improvising tasks.

One of the tasks was to give a speech for which I choose to speak on the topic 'Child abduction' which aimed to create an awareness on the topic and hence help create a safe world. The aim of this task was to learn the right body language, gestures, maintaining eye contact, dressing appropriately, confidence, speaking with the right flow and so on.

The task of impromptu speech teaches us how to be prepared for a random topic given to us, and speak confidently without fear. It also helps us exercise our mind and improve our thinking abilities. It gives us the self-confidence that we need to give last minute presentations, and convince people of our ideas and thoughts. It can also help us build leadership qualities.

Other tasks include improving our language and communication and correcting grammatical errors which is extremely important for building professional communication skills.

Fashion Trends and Forecasting

Faculty: Dr.Resmi G
 Student: Likhitha A R | 193715002



Student

Developing a fashion forecast by analysing the trend and preparing theme, colour, textiles, look board by Research and identifying the spirit of time.

A research diary is developed based on collected with pictures, keywords or headlines and categorizing the collected facts in the form of a mind map and identify the trends, highlighting the identified trends or buzz words.

A fashion forecast is developed based on the Zeitgeist or spirit of time.



KEY CONCEPTS FOR FORECAST
 Patch from preconsumed waste by Zero waste daniel | Subtraction Cutting by Julian Robert | Button masala by Anuj Sharma | Planar Flux technique by Sanah Sharma.

Look board



Theme board



STYLE/SILHOUETTE FORECAST ILLUSTRATED LOOKS

Wrapped up Planar Flux method Hemp jersey | Waist jacket Patchwork Organic cotton | Assymetric dress Button Masala Hemp jersey | Draped silhouette Subtraction cutting method Polyester poly silk | Carpenter Jeans Patchwork Khadi denim

Look board

FDMC

Fashion Design- Kid's Wear

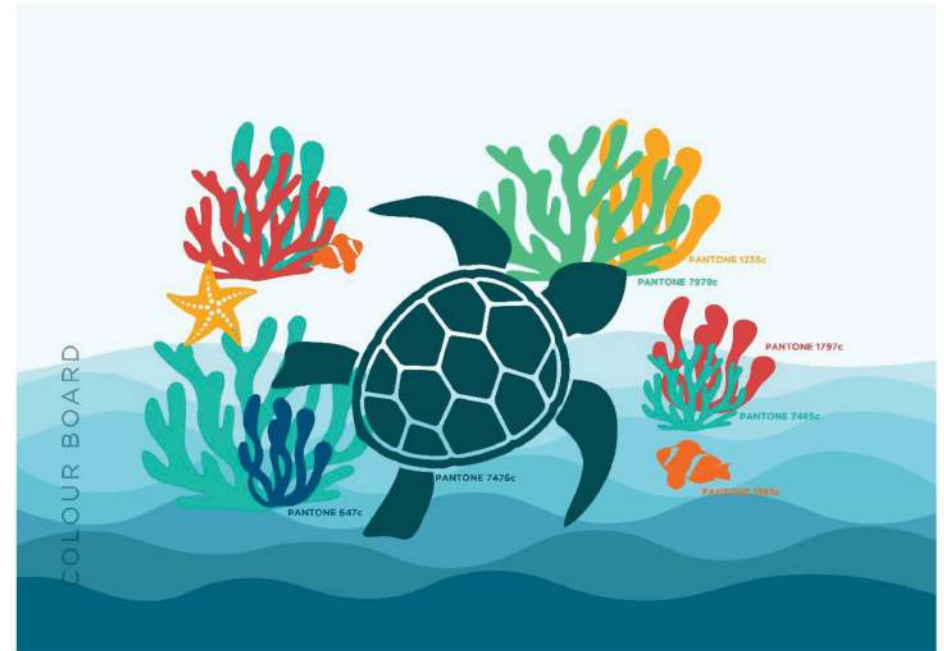
Faculty: Dr. Veena Rao
Student: Likhitha A R | 193715002



Student

To create a line of Kid's Wear collection based on FEA model.

The name Umiko means Child of the sea in Japanese. Umiko is a collection of casual clothing for girl kids of age 5-7. The collection is inspired from the marine flora and fauna (children of sea) which embraces hand embroidery and screen printing techniques. The collection includes casual wears like rompers, dungarees, trousers, tunic and t-shirts.



Colour board



Theme Board



Look Book

Visual Merchandising and Packaging

Faculty: Dr. Rena Mehta
Student: Likhitha A R | 193715002



Student

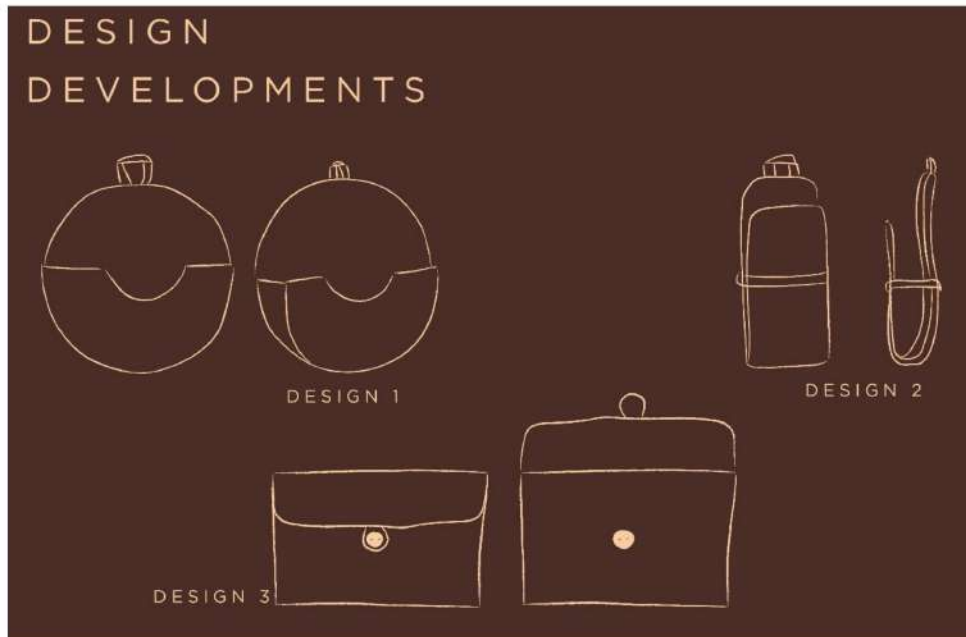
Objective : To design packaging prototype for a fashion merchandise using leaf as primary material.

CONCEPT : Designs for packaging was developed keeping in mind the flexibility and physical feature of merchandise chosen - belt.
All package designs can be repurposed/ reused in different ways making it sustainable and creative packaging.

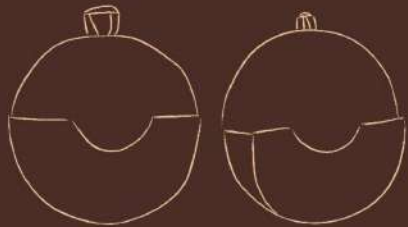


DESIGN PROTOTYPE

Prototype



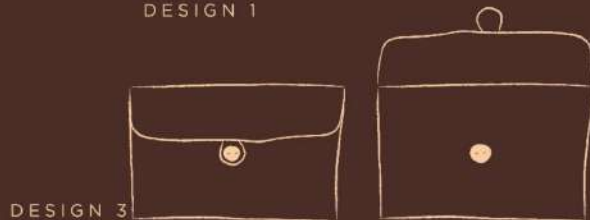
DESIGN DEVELOPMENTS



DESIGN 1



DESIGN 2



DESIGN 3

Design Development - Illustration



DESIGN REPURPOSE

Re purposing the packaging

ADVANCED DIGITAL PATTERN TECHNIQUES

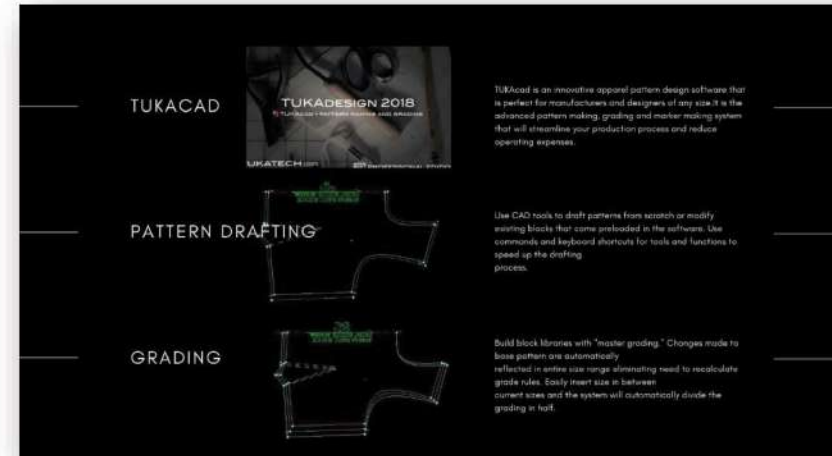
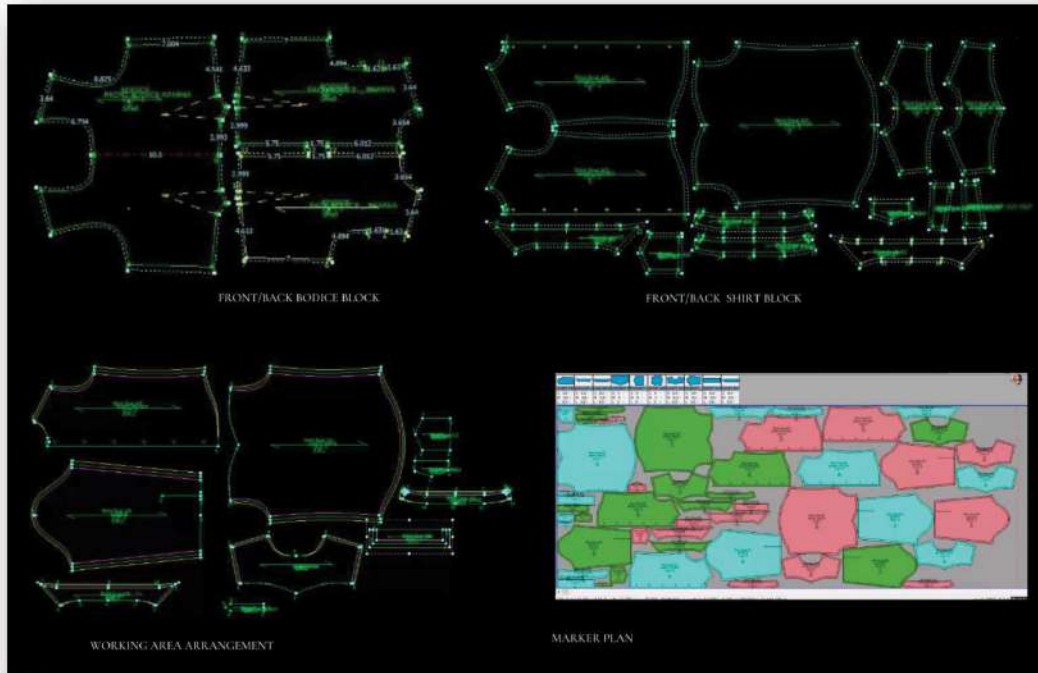
Faculty: Mrs. Nagaveni N Nayak
 Student: Aparna Govind | 193715001



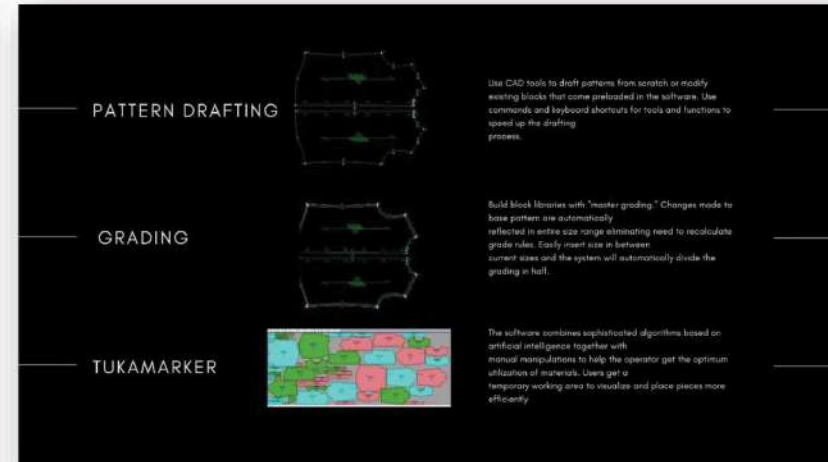
Student

Develop basic blocks for standard size for skirt, bodice and sleeve ,and apply grading using tukacad software with required pattern details.

Develop basic blocks for standard size for shirt and sleeve ,and apply grading and marker using tukacad software with required pattern details.



TUKA CAD AND FUNCTIONS



WORKING AREA ARRANGEMENT OF PATTERNS

GLOBAL FASHION MARKETING

Impact of COVID 19 on Fashion Industry

Submitted to: Mr. VADIRAJ JAGANNATHRAO
Presentation by: M.A(F.M), Sem III, MSAP

OUR TEAM

MANNAN CHHETRI
193715005

JITHIN JAMES
193715004

LIKHITHA A R
193715002

APARNA GOVIND
193715001

TWINKLE SONALI DAS
193715006



WHAT IS COVID - 19

- Coronavirus disease 2019 (COVID-19) is a contagious disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The first case was identified in Wuhan, China in December 2019.
- Common symptoms of COVID-19 include fever, cough, fatigue, breathing difficulties, and loss of smell and taste. Symptoms begin one to fourteen days after exposure to the virus.
- COVID-19 spreads via a number of means, primarily involving saliva and other bodily fluids and excretions. These fluids can form small droplets and aerosols
- It can spread as early as two days before infected persons show symptoms (presymptomatic), and from asymptomatic individuals.
- The standard diagnosis method is by real-time reverse transcription polymerase chain reaction (rRT-PCR) from a nasopharyngeal swab.

IMPACT OF COVID - 19 ON PEOPLE'S LIVELIHOOD

COVID-19 (Coronavirus) has affected day to day life and is slowing down the global economy. This pandemic has affected thousands of peoples, who are either sick or are being killed due to the spread of this disease.

The various industries and sectors are affected by the cause of this disease are the pharmaceuticals industry, solar power sector, tourism, information and electronics industry.

Presently the impacts of COVID-19 in daily life are extensive and can be divided into following categories:

A) Healthcare

- Challenges in the diagnosis, quarantine and treatment of suspected or confirmed cases
- Patients with other disease and health problems are getting neglected
- Overload on doctors and other healthcare professionals, who are at a very high risk.

B) Economic

- Slowing of the manufacturing of essential goods
- Disrupt the supply chain of products
- Losses in national and international business
- Significant slowing down in the revenue growth.

01 INTRODUCTION

Social

- Service sector is not being able to provide their proper service
- Cancellation or postponement of large-scale sports and tournaments
- Avoiding the national and international travelling and cancellation of services
- Disruption of celebration of cultural, religious and festive events
- Social distancing with our peers and family members
- Closure of the hotels, restaurants and religious places
- Closure of places for entertainment such as movie and play theatres, sports clubs, gymnasiums, swimming pools, and so on.
- Postponement of examinations.

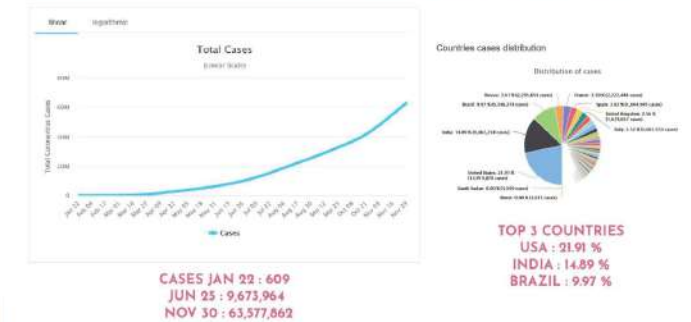
This COVID-19 has affected the sources of supply and effects the global economy. There are restrictions of travelling from one country to another country. During travelling, numbers of cases are identified positive when tested, especially when they are taking international visits. Healthcare professional face lot of difficulties in maintaining the quality of healthcare in these days.

TOP 10 COUNTRIES AFFECTED BY COVID - 19

United States	13,757,807	273,152	North America
India	9,449,093	137,397	Asia
Brazil	6,314,740	172,848	South America
Russia	2,295,654	39,895	Europe
France	2,218,483	52,325	Europe
Spain	1,646,192	44,868	Europe
United Kingdom	1,617,327	58,245	Europe
Italy	1,585,178	54,904	Europe
Argentina	1,418,807	38,473	South America
Colombia	1,308,376	36,584	South America

Coronavirus Cases:
63,589,725
Deaths:
1,473,926
Recovered:
43,984,723

COVID - 19 GRAPH AND CASES ACCORDING TO COUNTRIES



**Curricular,
Co-curricular &
Extra-curricular
Activities**

Case Studies

Bachelor of Architecture

Manipal School of Architecture and Planning

Architectural Design and Detailing II

29.01.2020 - Site study near Hastashilpa Childrens museum Manipal lake

As a part of an academic activity of B. Arch Course, 2nd semester, Section C, B. Arch students visited near Hastashilpa Childrens museum Manipal lake for ARCHITECTURAL DESIGN & DETAILING II subject for 1.5 hrs. As a part of their curriculum for the Subject, the students were taken to a Site near Hastashilpa Childrens museum, Manipal lake to see, document & experience the site & its context. After providing guidance in class, the site was visited between 11:00am to 12:30 pm. The Outcomes of the Programme were the students were able to see and document the site & its context. Which will help them to complete the Site Analysis before starting with their design development process for the subject. 2 Faculties and 39 students participated in the same.



Faculty of Architecture, MSAP, MAHE, Manipal

2020-21

BArch 2nd semester

10.02.2020 - Site Visit to MANIPAL HOUSE, Manipal

As a part of an academic activity of B. Arch Course, 2nd Semester, Section B & C, B. Arch students visited MANIPAL HOUSE, Manipal (GCC) regarding BCM 2-Timber To study use of Timber as a structural element from 10 Am to 4.15 Pm (½ day/ batch). Students were exposed to various Timber structural members. The Outcomes of the Programme were 1) Students did have hands on exposure to various ways a timber could be used in a Building. The size & forms of the timber members used as building material was understood by students. 5 Faculties and 80 students participated in the same.



BArch 4th semester

07.03.2020 - Study tour (Case Study Trip) to Barkur

As a part of an academic activity of B. Arch Course, 4th Semester B. Arch students visited Barkur. They were taken to Barkur, Karnataka under the guidance of our esteemed director Dr. (Prof). Deepika Shetty as a part of their case study for the subject History of Built Environment IV accompanied by the respective subject faculties to study the coastal temple architecture of the Town. The Outcomes of the Programme were Students were able to relate to the evolution of Temple Architecture and its unique features with respect to temple planning, structural systems, materials, layout, concepts and influences from early dynasties and compare the distinct regional styles. 5 faculties and 160 students participated in the same.



Under Graduate Program in Architecture (B.Arch)

359

Master of Architecture

Manipal School of Architecture and Planning

M Arch

13-18.01.2020 - Case study trip to Thrissur

As a part of an academic activity of M. Arch Course, 2nd semester, M. Arch students visited Thrissur for Field visit study-Building Resilience for Thrissur city-Urban Study of Thrissur city to develop Disaster Mitigation Plan and Building Resilience. Outcomes of the Programme were Students of M. Arch (Urban Design and Development) I Year II Semester for the Academic Year 2019-20 have conducted an exercise on the theme, 'BUILDING RESILIENCE' for the city of Thrissur. The aim of the study was "to reshape the urban system by developing a resilient designing in Thrissur by adopting integrated concepts into the system". As lockdown imposed due to COVID 19 pandemic the studio has suffered a delay. But students ready with the study, analysis and proposed projects at the end of semester. Urban Study of Thrissur City to develop a Disaster Mitigation plan and Building Resilience being a theme of the studio for the semester, through studies, Students arrived at a few proposals for the city. Dr. Harimohan Pillai was the expert for the same. 1Faculty and 19 students participated.



Bachelor of Design (Interior Design)

Manipal School of Architecture and Planning

BArch 4th semester

27.02.2020 - Saavira Kambada Basadi, Gomateshwara temple

As a part of an academic activity of B. Des (ID) Course, students visited Saavira Kambada Basadi, Gomateshwara temple regarding Study of Jain temples in Indian Art on 27th Feb 2020 / 8.30 am -4.30pm. Site Visit for Sketching the various components of the Jain Temple Architecture & Art, studying the various features & components through Drawing medium. Outcomes of the Programme were students had an experience of studying the Temple Architecture & Art which gave a better understanding of the subject & relevant Topics. It enhanced their knowledge of the various Artistic aspects of Indian Temple Architecture and as well as a deeper study of the materials used in temple architecture. 2 faculties and 35 students participated in the same.

Master of Design (Interior Design)

Manipal School of Architecture and Planning

MA ID 2nd semester

18.01.2020 - Lakshmi Clothstore, HAMPANKATTA, MANGALORE.

As a part of an academic activity of MA (ID) Course, 2nd Semester MA (ID) students visited Lakshmi Clothstore, HAMPANKATTA, MANGALORE. Students observed and understood the services part which are very much required and also as a major part of influence in the design. The major part of the services which the students explore was HVAC units, elevators and fabrication, carpentry, lighting And structural design. Students are asked to make a detailed report of their observation and submit as a part of their curriculum. It will be an integral part of the course and will help them to incorporate and apply the knowledge of obtained from this site visit. They have also explored maybe materials which will be used in different ways example perforated sheet, acrylic sheets and ACP panels. The site was held from 9 AM till 2 PM, students had opted for public transport for the site visit.



Reports of Activities under United Nations 17 Sustainability Development Goals (SDG)

Research Collaboration

15 Nov 2020 to 31 Dec 2020

Building envelop design for lightweight construction and ECBC compliance for B.Arch and M.Des (SD) Faculty and Students through Online mode Dr. Shashi Narayan, MNIT Uttarakhand is the expert for the programme. Research collaboration (on-going) on Building envelop design for lightweight construction and ECBC compliance. Outcomes of the Programme were Ongoing research in collaboration with MNIT, Uttarakhand. Mapping of the programme to SDGs are as follows. SDG 11 - Sustainable cities and communities, SDG 12 - Responsible consumption and production. 3 faculties and 2 students participated in the same.

Guest Lecture

10 Dec 2020

Guest Lecture on the topic "Role of Scripting (Python) in Design Decisions" by Mr Anupam Raj, (full stack web developer at YourMD.ca, Canada for B.Arch and M.Des (SD) for Faculty and Students through online mode.. Topics covered were Object Oriented Programming, Classes and inheritance, Program efficiency, Searching and sorting. Outcomes of the Programme were Mapping of the programme to SDGs are as follows. SDG 11 - Sustainable cities and communities, SDG 12 - Responsible consumption and production. 3 faculties and 19 students participated in the same.

Guest Lecture

11 Dec 2020

Guest lecture - Overview of advanced heat transfer algorithms for building energy simulation for B.Arch and M.Des (SD) for Faculty and Students through online mode. Guest Lecture on the topic "Overview of Advanced Heat Transfer Algorithms for Building Energy Analysis" by Mr Srijan Didwania. Topics covered were, Heat flow

sources in buildings, Col-air temperature, Steady state vs unsteady state (transient) Analysis, Overview of finite difference method in heat transfer, Overview of finite element method in heat transfer, COMFEN demo. Outcomes of the Programme were Mapping of the programme to SDGs are as follows. SDG 11 - Sustainable cities and communities, SDG 12 - Responsible consumption and production. 3 faculties and 12 students participated in the same.

Diabetic Retinopathy Training Programme

21 Dec 2020 to 24 Dec 2020

An online training for the non ophthalmologist and nurses from 22 districts of Haryana and 2 from Aspiration district of Punjab. Training for Diabetic Retinopathy (in collaboration with NHS Frimley health, London school of hygiene and tropical medicine, National health mission, Haryana, PGIMER, Chandigarh) attended by faculty. Outcomes of the Programme were faculty was part of the team guiding the nurses and non-ophthalmologists on designing dark room supporting the early diagnosis of Diabetic Retinopathy in PHCs. Mapping of the programme to SDGs are as follows. SDG 3 - Good health and well being, SDG 9 - Industry, Innovation and Infrastructure, SDG 17 - Interdisciplinary working. 1 faculty participated in the same

Details of guest visit (lectures, collaboration, visitors on campus)

BArch

Ar. Siddarth Sankar - Partner in Sankar & Associates, Coimbatore - 8 Jan 2020

Guest Lecture on "S M L XL XXL" by Ar. Siddarth Sankar for 3rd & 4th-year B. Arch students at Hampi Hall, MSAP.

The presentation was titled "S M L XL XXL" where he spoke about the various scales of the project he has worked on and justification for the presentation title. After that, he spoke about the importance of site, site context, site planning, building planning, services and other considerations that needs to be made while designing. He ended the session by resolving the queries of the students. 100 students attended the same.



BArch

Srinivas M S - Training Manager - (Karnataka & Telangana), EBSCO Information Services, New Delhi - 11 Jan 2020 (1 hour)

Workshop on EBSCO: Art and Architecture platform by Mr. Srinivas M S at Hampi Hall, MSAP organized by Manipal School of Architecture and Planning, Manipal Academy of Higher Education, Manipal



BArch

Rosie Paul - Architect - 16 Jan 2020 (1 hour)

Guest Lecture: Architecture Beyond Architects by experts Ms. Rosie Paul and Ms. Sridevi Changali for B. Arch, 4th semester Section-A, B, and C at Sringeri Hall, MSAP, Manipal. After the welcome note by the Director-MSAP, Rosie Paul delivered a short lecture with presentation. She emphasized on Grassroot Green Architecture and sustainability in architecture & construction through person-people-product approach. Showing her architectural projects, she also advocated about Awareness, Outreach & capacity building, and Research & development. Sridevi talked about heritage conservation, it's importance, and it's present scenario in India. She showcased her selected projects and highlighted how an individual can make a difference towards conservation of heritage. Following this, during Question-Answer session they replied to numerous queries by students. The Director-MSAP delivered thank you note. The students interacted with Rosie and Sridevi informally and talked about their aspirations and projects. Outcomes of the Programme were Addition to Alumni Outreach., Motivation and inspiration for Students, Student received insights of industry. 10 faculties and 120 students participated in the same.



BArch

Sridevi Changali - Architect - 16 Jan 2020

Guest Lecture: Architecture Beyond Architects by experts Ms. Rosie Paul and Ms. Sridevi Changali for B. Arch, 4th semester Section-A, B, and C at Sringeri Hall, MSAP, Manipal. After the welcome note by the Director-MSAP, Rosie Paul delivered a short lecture with presentation. She emphasized on Grassroot Green Architecture and sustainability in architecture & construction through person-people-product approach. Showing her architectural projects, she also advocated about Awareness, Outreach & capacity building, and Research & development. Sridevi talked about heritage conservation, it's importance, and it's present scenario in India. She showcased her selected projects and highlighted how an individual can make a difference towards conservation of heritage. Following this, during Question-Answer session they replied to numerous queries by students. The Director-MSAP delivered thank you note. The students interacted with Rosie and Sridevi informally and talked about their aspirations and projects. Outcomes of the Programme were Addition to Alumni Outreach., Motivation and inspiration for Students, Student received insights of industry. 10 faculties and 120 students participated in the same.



BDes (ID)

Mr. Janardhana Rao Havanje -22 Jan 2020 and 30 Jan 2020

Workshop on Kaavi Art by Mr. Janardhana Rao Havanje for IInd sem B.Arch., B.Des. (ID) and B.Des. (FD) at Foyer Area and I floor corridor, MSAP



BArch

Dr. Sumita Rege -Associate Professor in the Department of Occupational Therapy, MCHP, MAHE - 24 Jan 2020

GUEST LECTURE ON QUALITATIVE RESEARCH to B. Arch, 6th Semester students by Dr. Sumita Rege at M.V.Seminar Hall. Qualitative research is a scientific method of observation to gather non-numerical data. This type of research "refers to the meanings, concepts, definitions, characteristics, metaphors, symbols, and description of things" and not to their "counts or measures". Outcomes of the Programme were the talk incorporated didactic and interactive sessions to enable the students develop an understanding of qualitative research. The students were able to relate and understand the theory to be put into while designing their research. 16 Faculties and 101 students of 6th Semester, B.Arch. participated in the same.



Lecture Workshop

Dr. Mariano Ramirez - Senior Lecturer in Industrial Design, Faculty of Built Environment, UNSW-28-30 Jan 2020

Lecture Workshops-MAHE UNSW Research Seed Grant by Dr. Mariano Ramirez at Shringeri Hall, MSAP



Annual Sports Day

Dr. Geetha Maiya -Director Student Affairs, MAHE
Dr. Shobha - Joint Secretary, Sports, MAHE - 1 Feb 2020

The Chief Guest for the inauguration ceremony of Annual Sports Day "Sieg 8" 2019-2020 & The Chief Guest for the Valedictory-prize distribution ceremony of Annual Sports Day "Sieg 8" 2019-2020



BArch

Dr. Ravindra Deshmukh - Professor Design Chair, DY Patil School of Architecture, Ambi, MIDC Talegaon, Pune - 8 Feb 2020

Guest Lecture by Dr. Ravindra Deshmukh for 2nd Semester, B. Arch students at Shringeri Hall, MSAP. He started his lecture which was focused on the following 3 aspects: 1. Learning from the World Wonders - the Magic of Architecture, 2. Developing concepts for a House Design, 3. Architecture - student life and future. 8 Faculties and 70 students of B.Arch. 2ndSemester participated in the same.



BArch, BDes (ID & FD)

Mr. Satishchandra S S -Artist specialised in Graphics and Painting- 8 Feb 2020

Workshop on "Color Techniques Application of acrylics on canvas" by Mr. Satishchandra S S, Artist specialised in Graphics and Painting for B.Arch./B.Des. (ID) and B.Des. (FD) students at Dholavira Classroom, MSAP



MRM Meeting

Dr. Christopher Sudhakar - Quality Representative, MAHE- 10 Feb 2020

Internal MRM Meeting of Manipal School of Architecture & Planning was held at Hampi Hall, MSAP



BArch

Dr. Sarah Milliken -Greenwich University, UK- 10-12 Feb 2020

Discussion with Dr. Deepika Shetty, Director MSAP to plan a curriculum for a 2 week winter school at MAHE for Architecture and Landscape students from Greenwich, and Architecture students from MAHE. Dr. Sarah Milliken conducted Interactive session with B.Arch. 6th semester students, and faculties on Research in field of landscape at M V Seminar Hall on 11th Feb, 2020. She spoke about the various types of research focusing on landscape. She explained her research work conducted at Kutch-Gujrat.

Lecture to 2nd-semester students on Basics of landscape design at M V Seminar Hall on 10th Feb, 2020. She spoke about Landscape design and the Values of landscape. Elaborating on ecosystem services and explaining it through various examples.



BArch

Ar. Kaushik Uppoor - Architect

Ar. Gaurav Agarwal - Architect- 10-13 Feb2020

Expert for The 'Mud Architecture Workshop Mannu Shilpa 2020' organized for B.Arch students of MSAP.



BArch

Dr. B. Shashi Bhooshan- Practicing Architect, Bangalore

Ar. Sharath R Nayak- Director & Architect, Biome Environmental Solutions,

Ar. Deepta Sateesh - Design leader in research Founder-Director, D.E.E.P. Research,

Ar. Jagadish R. Bhaktha- Principal architect OSTIUM architects, Bangalore,

Ar. Joanna Maria Martis - Architect - 13-14 Feb 2020

As an external expert for B.Arch. thesis External Reviews for VIIIth Semester (1st Review)



BArch

Suma Khandige- Design Consultant-Lighting, LightVista, Bangalore
Amardeep - Founder & Principal, Lighting Research & Design, Chennai
Poorvi Kamat- Architect, Associate, IALD, Principal Designer (The Lighting Narrative, Bangalore), The Lighting Narrative, Bangalore
Harshita Shetty - Architectural Lighting Designer, Light inspired Thinking, Bangalore
Kunal Shah, Tejas Joshi - Co-Founder and Chief Design Officer, Light & Beyond , Lighting Consulting Firm, Kolkata
Anusha Muthusubramanian- Founder and Principal, Lighting Spaces, Bangalore
Dashak Agarwal- Jr. Associate, IALD, Love of Light, Hyderabad
Srujana Valiveti - Student Member, IALD, Hyderabad, Telangana
Jithin Jayanath , Zubair Ali Ahmed , Karthikeyan , Banumathi , Anurag , Harsh Jhawar - Founder, Illuminate Lighting, Bangalore
Rithika - 21-22 Feb 2020

IALD India Light conducts hands-on workshops-Light Workshops 2020-A Weekend of Creativity-A workshop conducted on lighting design for students of Architecture, Interior Design and Electrical engineering at MIT and MSAP campus, MAHE



UNSW Representative Visit

Amit Das Gupta - (UNSW India Country Director), former Indian Diplomat and UNSW representative from UNSW- 9 Mar 2020

Visited MSAP for a meeting at Board Room, MSAP



SHAAPED 2020

Dr. Narayan Sabhahit - Registrar, MAHE
Dr. T V Ramachandra - Co-ordinator, Energy & Wetlands Research Group, Center for Ecological Sciences (CES) - 12- 13 March 2020

Chief Guest for Inauguration of International Conference SHAAPED 2020(Studies in Habitat with Academic Alliance in Planning Environment and Design) with the theme "Design for Health and Wellbeing"
Expert for International Conference SHAAPED 2020(Studies in Habitat with Academic Alliance in Planning Environment and Design) with the theme "Design for Health and Wellbeing"



BArch

Omar Eqbal, Rohit Garabadu - Alumni, MSAP, Currently working with M/s. Apeejay Surrendra Group- - 21 June 2020 (3hours)

Webinar by Co-Curricular Team, MSAP-"Bridging the gaps" by Expert Omar Eqbal, Rohit Garabadu, Karran Kumar which was open to all students through online mode. Speakers view point on how the changes in life that happens when students shift from college to job after graduating. Outcomes of the Programme were students learned how to prepare themselves when they enter the workspace environment out of college. 50 students participated in the same.

Publication

#	Faculty name	Title	Journal	Published (Month & year)	Index	National / International
1	Arunabha Bandyopadhyay	Interior design considerations to enhance student satisfaction in classrooms	International Journal of Social Sciences	JAN 2020	--	International
2	Vipin Tandon	On the Influence of Cold Working and Electrochemical Nitridation on the Corrosion Behaviour of 316L Austenitic Stainless Steel in Acidic Environment	Surface Engineering and Applied Electrochemistry	Jan 2020	Scopus	National
3	Shanta Pragyan Dash	To study the feasibility of cseb for low cost housing	International Journal of Advanced Science and Technology	Mar 2020	Scopus	International
4	Shanta Pragyan Dash	To study the impact of neighborhood planning on healthy ageing	International Journal of Advanced Science and Technology	Mar 2020	Scopus	International
5	Sarmistha Chatterjee	Co-living spaces: A community in disguise during a crisis.	News Paper Article - The Goan	May 2020	--	National
6	Pranav Kishore (First Author) / Dr. Pradeep G Kini (Co-Author)	Optimization based feasibility analysis for Energy Conservation Building Code compliance of opaque wall assemblies in different climatic zones of India	Procedia Manufacturing	May 2020	Scopus	International
7	Pranav Kishore (Co-Author) / Dr. Pradeep G Kini (Co-Author)	Energy Conservation Building Code (ECBC) based optimum wall composition with respect to thermal transmittance and thickness for different commercial pockets of Tier-1 city in temperate climatic zone of India	Procedia Manufacturing	May 2020	Scopus	International
8	Pranav Kishore (Co-Author) / Dr. Pradeep G Kini (Co-Author) / Raghu Prem M (Co-Author)	Optimization based feasibility study for filler slabs as a response towards the ECBC roof compliance with respect to thermal transmittance for five climatic zones of India	Procedia Manufacturing	May 2020	Scopus	International
9	Monika Jadhav	Towards Energy Literacy	Myxlpix Moods magazine	June 2020	--	National
10	Shanta Pragyan Dash	Criticism in Architecture	Myxlpix Moods magazine	June 2020	--	National

11	Shantharama Patil	Robust controller for seismic response mitigation (Book Chapter)	Advances in Control Instrumentation Systems, Lecture Notes in Electrical Engineering	July 2020	Scopus	National
12	Vipin Tandon	Influence of Time on Low Temperature Salt Bath Nitriding and its Corrosion Behavior of 316L ASS in PEMFC Environment	Protection of Metals and Physical Chemistry of Surfaces	July 2020	Scopus	National
13	Mr. Shanta Pragyan Dash	A Qualitative Study on Effect on Lighting in Museums	International Journal of Architectural Design and Management	Oct 2020	--	International
14	Vipin Tandon	Effect of Heat Input on the Microstructural, Mechanical, and Corrosion Properties of Dissimilar Weldment of Conventional Austenitic Stainless Steel and Low-Nickel Stainless Steel	Metallography, Microstructure, and Analysis	Oct 2020	Scopus	National
15	Nandineni Rama Devi	Facilitating Rural Community Participation: Construction and Design of an Anganwadi Center in Ajjarkad, Udipi, India	Book Chapter	October 2020	--	National
16	Trupti Amit Kinjawadekar	Design of Short Columns Reinforced with GFRP Bars Subjected to Axial Loading	IOP Conference Series: Materials Science and Engineering	Oct 2020	Scopus	International
17	Trupti Amit Kinjawadekar	Design of Flexural Members Reinforced with GFRP Bars	Design of Flexural Members Reinforced with GFRP Bars	Oct 2020	Scopus	International
18	Satyaprakash Das / Shanta Pragyan Dash	Exploring Sustainable Eco-Tourism Potential Along the River Islands of Coastal Karnataka: A Case Study of Mudukudru Island	International Journal of Landscape Planning and Architecture	Nov 2020	--	International
19	Ms. Rituka Kapur	Sustainable Transportation Infrastructure's Role in Attaining Sustainable Development Goals	Book Chapter	Nov 2020	--	National
20	Mr. Shanta Pragyan Dash	Exploring Innovative Design Possibilities Using Bamboo as A Construction Material in Architectural Design	International Journal of Landscape Planning and Architecture	Nov 2020	--	International

21	Shantharama Patil	Review on vibration control in tall buildings: from the perspective of devices and applications.	International Journal of Dynamics and Control	Dec 2020	Scopus	International
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DOD

#	Faculty name	Title	Journal	Published (Month & year)	Index	National / International
1	Veena Rao / Rajesh Kumar	University Intervention in Inculcating Design Practices for Sustainable Fashions (Book Chapter)	Sustainability in the Textile and Apparel Industries- Sustainable Textiles, Clothing Design and Repurposing (Book)	May 2020	No	National
2	Resmi G	Narration on ethnic jewellery of Kerala-focusing on design, inspiration and morphology of motifs	Journal of Textile Engineering & Fashion Technology	Dec 2020	No	National

Conference

Faculty

EMPLOYEE ID	NAME	Name of the Training Programme/Workshop/Seminar/Symposium/Conference/Convention/Faculty improvement programme/Refresher courses etc attended	INTERNATIONAL/NATIONAL/STATE LEVEL	DATE (dd/mm/yyyy) (Excluding travel days) From	DATE (dd/mm/yyyy) (Excluding travel days) to
MAHE0011690	Sonali Walimbe	Global Conference on "Advanced Smart and Sustainable Technologies in Engineering"- GCASSTE-2020	National	30-01-20	31-01-20
MAHE0010130	Kala Choyimani kandiyil	1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact	International	04-02-20	06-02-20

MAHE0010209	Nandineni Rama Devi	1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact	International	04-02-20	06-02-20
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MAHE0004139	Deepika Shetty	1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact	International	04-02-20	06-02-20
MAHE0010000	Pradeep G Kini	1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact	International	04-02-20	06-02-20
MAHE0011690	Sonali Walimbe	Green Build India 2020-Conducted Session on Health and wellbeing in the classroom: a biophilic design charette	International	06-02-20	07-02-20
MAHE0010209	Nandineni Rama Devi	Green Build India 2020-Conducted Session on Health and wellbeing in the classroom: a biophilic design charette	International	06-02-20	07-02-20
MAHE0017161	Rena Mehta	2nd International Conference on Functional Textile & Clothing	International	07-02-20	09-02-20

MAHE001 0130	Kala Choyimani kandiyil	International Conference on Planning Sustainable Regions – The Social-Economic-Ecological Triad	International	13-02-20	15-02-20
MAHE001 2944	Kumar Vyomkesh	International Conference on Energy and Sustainable Development 2020 (ICESD 2020)	International	14-02-20	15-02-20
MAHE001 2918	Trupti Amit Kinjawadekar	Second ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies" (CRSIDE2020)	National	02-03-20	04-03-20
MAHE001 7700	Sanjeev Kumar	Anthropology and Geography: Dialogues Past, Present and Future conference	International	14-09-20	18-09-20
MAHE000 4139	Deepika Shetty	Delivered a talk on "Sustainable Development"-Lake 2020: XII Biennial Lake symposium- Conference on Ecosystem Structure, Function, Goods and Services	National	28-12-20	30-12-20
MAHE000 4139	Deepika Shetty	International Conference SHAAPED 2020(Studies in Habitat with Academic Alliance in Planning Environment and Design) with the theme "Design for Health and Wellbeing"	International	12-03-20	13-03-20
MAHE001 7695	Krutika Ajit Madkaiker	International Conference SHAAPED 2020(Studies in Habitat with Academic Alliance in Planning Environment and Design) with the theme "Design for Health and Wellbeing"	International	12-03-20	13-03-20

MAHE001 6958	Ajit Chandrakant Madkaiker	International Conference SHAAPED 2020(Studies in Habitat with Academic Alliance in Planning Environment and Design) with the theme "Design for Health and Wellbeing"	International	12-03-20	13-03-20
MAHE001 1690	Sonali Walimbe	International Conference SHAAPED 2020(Studies in Habitat with Academic Alliance in Planning Environment and Design) with the theme "Design for Health and Wellbeing"	International	12-03-20	13-03-20
MAHE001 0209	Nandineni Rama Devi	International Conference SHAAPED 2020(Studies in Habitat with Academic Alliance in Planning Environment and Design) with the theme "Design for Health and Wellbeing"	International	12-03-20	13-03-20
MAHE001 4251	Lulwa Khaleel	1st International Conference on advancements in Science and Technology (ICOST 2020-online)	International	25-07-20	26-07-20
MAHE000 9758	John Benette John	1st International Conference on advancements in Science and Technology (ICOST 2020-online)	International	25-07-20	26-07-20
MAHE001 1690	Sonali Walimbe- Presented Nandineni Rama Devi, Shantanu Chitgopkar- CoAuthor	Online 2nd International Conference on "Sustainable Urban Development, Resource Conservation and Food Security	International	06-08-20	06-08-20
MAHE001 6250	Komal Jaiswal	3-day conference "2020 UK-Ireland Planning Research Conference"	International	07-09-20	09-09-20

Students


#	Student Name	Paper Title	Conference	Date	National / International
1	Ipsitaa Priyadarsini Das	A study on the necessity of "positive Cyclone Portable Relief Shelter" -A case of Odisha	1st International Conference on Advancements in Science and Technology (ICOST2020-Online)	25-26 July, 2020	International
2	Neha Mary Boby	Investigating the Viability of Implementation of Vertical Gardens in Indian Context	1st International Conference on Advancements in Science and Technology (ICOST2020-Online)	25-26 July, 2020	International
3	John Benette John	A study on the effect of recreation spaces stress relievers on Sustainable workplace environment: case of police offices in India	1st International Conference on Advancements in Science and Technology (ICOST2020-Online)	25-26 July, 2020	International
4	Kavyashree, PhD Student	Response control of wind -excited outrigger control system	XVII Control Instrumentation System Conference (CISCON - 2020)	Oct 30-31, 2020	National


Grants

Sr. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project
Architecture					
1	Improving Women's Safety in Public Spaces	Prof. Sanghamitra Roy	MAHE-UNSW Collaborative Research seed funding scheme 2019	Rs. 10,00,000	Jan 2020 to Dec 2020
2	Effect and Impact of Changing Climate trends on Built Heritage of Madikeri	Ar. Sarmistha Chatterjee & Ar. Trivikram TN	INTACH (Indian National trust for Art and Cultural Heritage) Research Scholarship 2020	Rs. 2,40,000	June 2020-May 2021
3	Gram panchayat spatial development Plan - Uppunda and Shankarnarayana in Udupi District	Dr. Deepika Shetty	Ministry of Panchayati Raj, Govt of India	Rs. 5,00,000	July 2020 - Nov 2020
4	Planning of domestic water systems for island communities in coastal karnataka: A Cross sectional analysis of population profile and ground water quality	Mr. Satyaprakash Das	MAHE - Seed Money Grant 2020	Rs. 50,000	Dec 2020 - Nov 2022
5	Recommendation for noise reduction methods in NICU: Case of main NICU, Kasturba Hospital, Manipal	Ms. Charline Stella Samuel	MAHE - Seed Money Grant 2020	Rs 40,000	Dec 2020 - Nov 2022
Dept of Design					
1	Circular economy and collaborative consumption exploring new business models to achieve sustainability within the apparel industry	Dr. Veena Rao	MAHE-UNSW Collaborative Research seed funding scheme 2019	Rs. 10,00,000	Jan 2020 to Dec 2020
2	Application and evaluation of natural anti microbial agents treated three layer face mask.	Nagaveni N Nayak	MAHE - Seed Money Grant 2020	Rs. 25,870	Dec 2020 - Nov 2022

Hearty congratulations to the graduating students
and sincere thanks to the student committee for
making this yearbook possible.

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