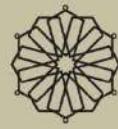


SMVSA LENZ



SRI MANAKULA VINAYAGAR
SCHOOL OF ARCHITECTURE



THANJAVUR CITY

STUDIO ACTIVITIES

01

URBAN DESIGN

The Students from Semester IX visited "Thanjavur" a heritage Urban Town from Tamil Nadu, The Students were accompanied with Faculty Ar.R.Ragavendira (Associate Professor) and Ar.S.Manoharan (Principal-SOA).

Urban city visits are an essential part of our architectural design education, aimed at exposing students to contemporary architecture, diverse urban fabrics, and complex infrastructure systems. These visits help students analyze how cities grow, function, and interact with human behavior, technology, and environment. By observing real-world examples of zoning, public spaces, high-rise buildings, and urban renewal projects, students gain practical insights that inform and inspire their own design thinking. Such experiences bridge the gap between classroom learning and the dynamic realities of urban development.

This is also a part of their curriculum of Semester – IX



The Following is the Structure for the Urban Study which our School of Architecture students follows.

1. Introduction & Objective

- Define the purpose of the urban study
- Identify the key focus areas (e.g, housing, mobility, public space, zoning, heritage)

2. Preliminary Research

- Study the historical background, geographical context, and demographic profile of the area
- Analyze existing literature, master plans, and government policies related to the site

3. Site Visit & Data Collection

- Conduct field visits for mapping and on-ground observation
- Document building typologies, street patterns, land use, infrastructure, and user behavior
- Capture photographs, videos, and sketches for reference.

4. Stakeholder Interaction

- Interview local residents, shopkeepers, planners, or municipal officials
- Understand community needs, challenges, and perceptions of the built environment

5. Analysis & Interpretation

- Analyze spatial patterns, social dynamics, and environmental aspects
- Identify urban issues, potentials, and areas for intervention.

6. Presentation & Design Response

- Synthesize findings into visual presentations: maps, charts, diagrams, and models.
- Propose conceptual or strategic design solutions based on the study insights.

7. Report & Documentation

- Prepare a comprehensive report compiling research, findings, and proposals
- Reflect on the learning outcomes and applicability to architectural practice.
- Propose conceptual or strategic design solutions based on the study insights.



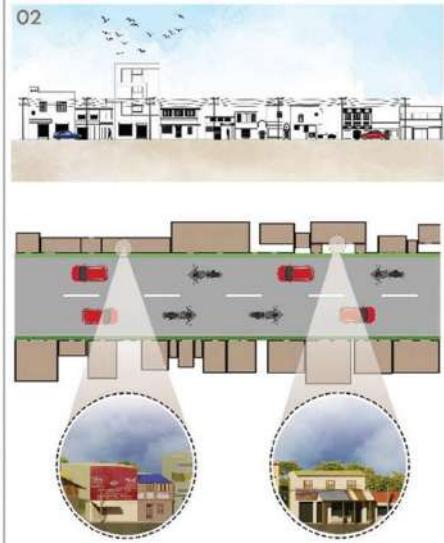
ROAD NETWORK:



• ONE WAY ROAD :



• TWO WAY ROAD :



03 . JUNCTION CONNECTING ONE WAY AND TWO WAY :

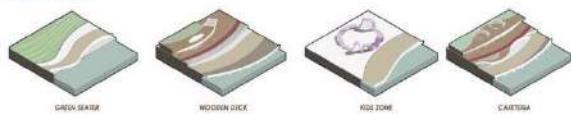


Court Road in Thanjavur is an important area, frequently experiencing traffic controls and certain roads near the Palace, Big Temple, or the courts may temporarily be regulated as one-way during peak hours or events.

Two-way roads play a crucial role in connecting various residential, commercial, and institutional areas. Membalam Road: Facilitates access to the Brihadeeswarar Temple and nearby shops, linking Thanjavur with national highways.



AXONOMETRIC VIEWS



RESHAPING OPEN SPACES

ELEMENTS, MATERIALS, VEGETATION AND LIGHTING



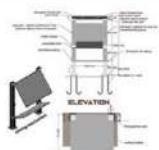
SITE PLAN



ELEMENTS

1. METAL SEATING

CONCEPT:
A more durable in folded form which is convenient to place in hard areas and a very nice place in the urban areas.
- 1000mm x 1000mm x 1000mm in dimension and 1500mm x 2000mm is transportation stage.
The concept of the folding which becomes a more sustainable space saving in urban design when folded becomes small and convenient for other activities.



2. PAVEDEN

When you step on the tile your downward weight is converted into rotational kinetic energy which is stored and works by using microchip that generates 100 watts of power which is enough to light a 100watt LED bulb.



3. LIQUID TREE PAVILION

An innovative way for reducing greenhouse gas emissions and improving air quality. Air flows.



4. SOLAR RIBS

When you step on the tile your downward weight is converted into rotational kinetic energy which is stored and works by using microchip that generates 100 watts of power which is enough to light a 100watt LED bulb.



RURAL STUDY

In Students from Semester IV, visited "Thanjavur" a heritage Urban Town from Tamil Nadu, The Students were accompanied with Faculty Ar.R.Ragavendra (Associate Professor) and Ar.S.Manoharan (Principal-SOA).

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This is also a part of their curriculum of Semester – IX



Below is the purpose of the urban study

- Identify the key focus areas (e.g, housing, mobility, public space, zoning, heritage)

2. Preliminary Research

- Study the historical background, geographical context, and demographic profile of the area
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This is also a part of their curriculum of Semester – IX



The Following is the Structure for the Urban Study which our School of Architecture students follows.

1. Introduction & Objective

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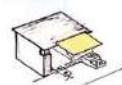
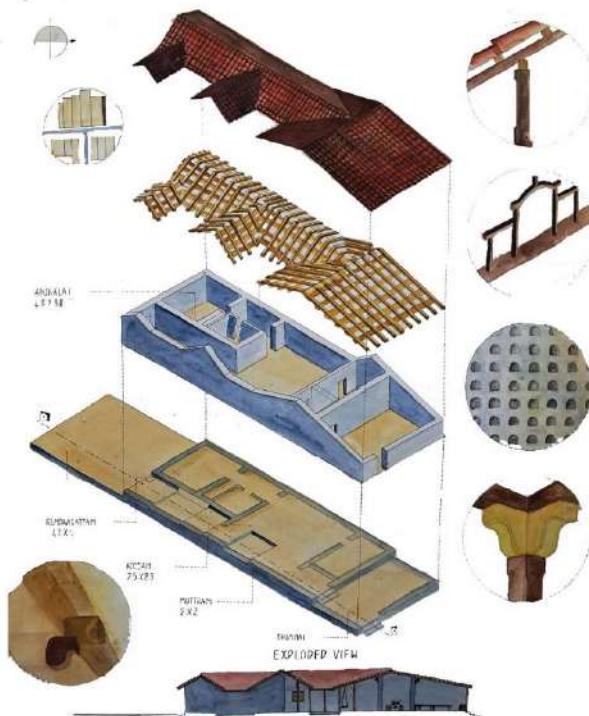
2. Preliminary Research

- Study the historical background, geographical context, and demographic profile of the area
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STUDY INFERENCES

CASE STUDY : KHANPERAO MARKET

KHANPERAO MARKET IS AN EXAMPLE OF A PLANNED MARKET THAT FUNCTIONS AS A ONE-STOP SOLUTION FOR MANY SHOPS. OPERATES A WHOLESALE AND RETAIL MARKET.



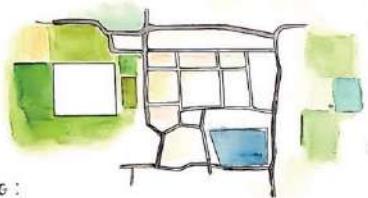
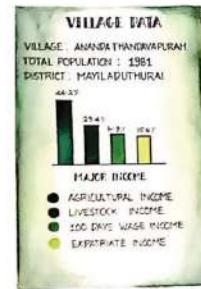
EXTENDING OUT THE SHADING ELEMENT TO SHADE THE DISPLAY OF PRODUCTS AND SHADE TO THE PEOPLE.

SETTING UP/ PERIODIC MARKET ORGANISING THE PRODUCTS/ COMMODITIES FOR DISPLAY

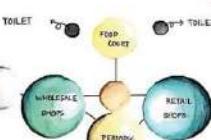
HERE, THE TREE ACT AS A EXISTING SHADING ELEMENT AND UMBRELLA.

SCOPE

- INCREASED PROFITABILITY : FARMERS CAN SELL THEIR PRODUCTS DIRECTLY TO CUSTOMERS, ELIMINATING INTERMEDIARIES & INCREASING PROFIT MARGINS.
- BETTER PRICE CONTROL : FARMERS CAN SET COMPETITIVE PRICES.
- REDUCE POST HARVEST LOSSES : BY SELLING PRODUCTS DIRECTLY IN RURAL MARKET, FARMERS CAN MINIMIZE LOSSES DUE TO TRANSPORTATION, STORAGE, AND HANDLING.
- ENVIRONMENT AND SELF-SUFFICIENCY : FARMERS GAIN CONTROL OVER THEIR PRODUCE, LIVELIHOOD - PROMOTING SELF-SUFFICIENCY, ECONOMIC INDEPENDENCE.



ZONING :



SOLUTIONS

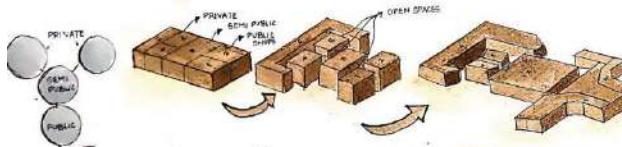
A CENTRE WITH THE FEATURES OF AGRICULTURE, AND TECHNOLOGY. THE CENTRE IS BUILT ON A PLOT OF LAND AND CONSISTS OF A FACILITY THAT HELPS WITH SOIL TEST, IRRIGATION SYSTEMS, SELLING ORGANIC MANURE AND FERTILIZERS WITH AREA TO EDUCATE FARMERS ABOUT ADVANCE METHODS OF TOOLS, MACHINES, SOCIAL KNOWLEDGE AND NEW IDEAS.

OBJECTIVE

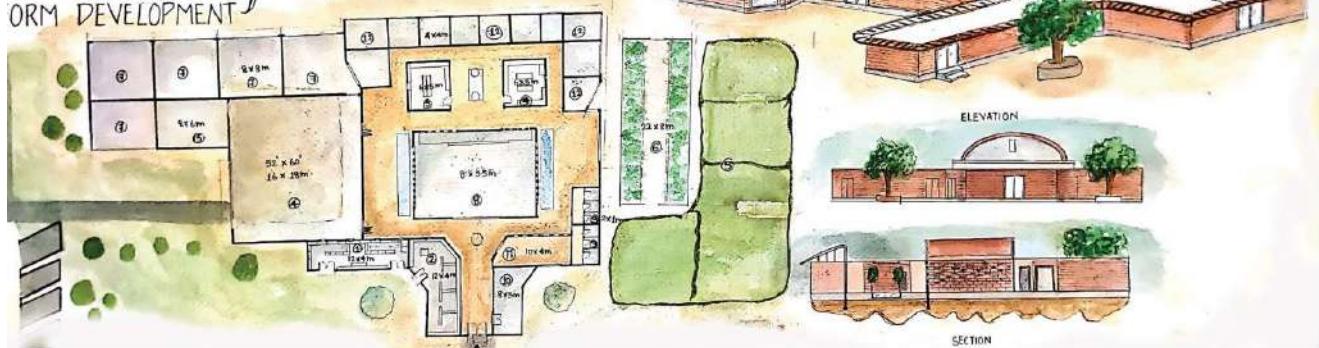
- EDUCATING FARMERS
- SUSTAINABLE AGRICULTURE
- AGRO-BASED SERVICES
- DIGITAL AGRICULTURE
- INCREASED CROP YIELDS
- INCREASED INCOME



VIEW



ORM DEVELOPMENT



WORKSHOPS AND GUEST LECTURES



BRICK BONDING WORKSHOP



KALAMKARI ART



TRADITIONAL ART WORKSHOP



CSEB WORKSHOP
EARTH INSTITUTE - AUROVILLE



SUSTAINABLE DESIGN WORKSHOP

SRI MANAKULA VINAYAGAR
SCHOOL OF ARCHITECTURE
An Autonomous Institution

PHOTOGRAMMETRY
W O R K S H O P

21th & 22th December 2023
10.00am - 4.30pm

Dr. JAYAGANTHAN X
Masters in Architectural conservation
(SPV)

AR. NARASIMMAN R
Masters in Architectural conservation
(SPV)

Organized by T MUGESH
jokonthi@gmail.com /9952734519
sachitechacomm@gmail.com /9944090518

Day 1:
INTRODUCTION TO PHOTOGRAMMETRY IN ARCHITECTURE,
PRINCIPLE OF IMAGE FORMATION
HANDON PROJECT: CREATING A 3D MODEL

Day 2:
INTRODUCTION TO PHOTOGRAMMETRY IN CIVIL,
PRINCIPLE OF IMAGE FORMATION
HANDON PROJECT: CREATING A 3D MODEL

PHOTOGRAMMETRY WORKSHOP



OUTDOOR SKETCHING



BAMBOO WORKSHOP



MODEL MAKING WORKSHOP

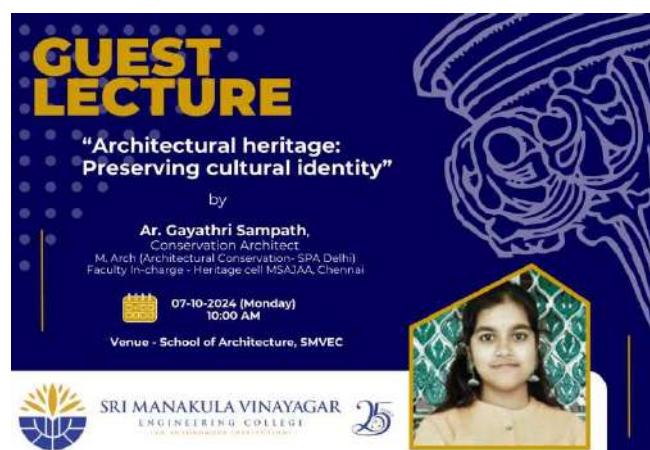
GUEST LECTURES



Mixed use Design –Guest lecture by Mr.Lokesh Janakiraman



Urban Design Guest Lecture by AR. Muthaiah.K.T (SPA –DELHI)



Architecture Heritage Preservation –Guest lecture by Ar.Gayathri Sampath

LIFE AT SOA: BEYOND ACADEMICS



RURAL STUDY VISIT II YEAR (2023 – 2028)
(ANANTHATHANDAVAPURAM –
MAYILADUTHURAI)



MARINA MALL – CHENNAI
DESIGNED BY AR.CHERALATHAN ASSOCIATES



IIM CAMPUS, BANGALORE – AR.B.V.DOSHI



Women's signature award show,
Iconic Entertainers, SOUVMIYA. V.R, FIRST
PRIZE.



URBAN DESIGN – V YEAR (2020 – 2025)
THANJAVUR



NIRMANIKA '24- Building design contest,
Dept. of civil, SMVEC- FIRST PRIZE

ALUMNI CONNECT



ALUMNI'S IN INTERNATIONAL AND NATIONAL UNIVERSITIES FOR MASTER DEGREE



MR.VIGNESH (2017- 2022)
UNIVERSITY OF LIVERPOOL
- UK



MS.DIVYA. (2017- 2022)
Thomas Jefferson
University - US



MS.YAZHINI.M (2018- 2023)
SPA VIJAYAWADA



MS.DEEPIKA.N (2019- 2024)
SAP, ANNA UNIVERSITY –
CHENNAI

ALUMNI WORKING IN RENOWNED ARCHITECTURAL FIRMS – NATIONAL / INTERNATIONAL



MS.ANUSHAW.M (2019- 2024)
SASW ARCHITECTURE –
BANGLORE
SALARY – 4,00,000 per Annum



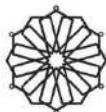
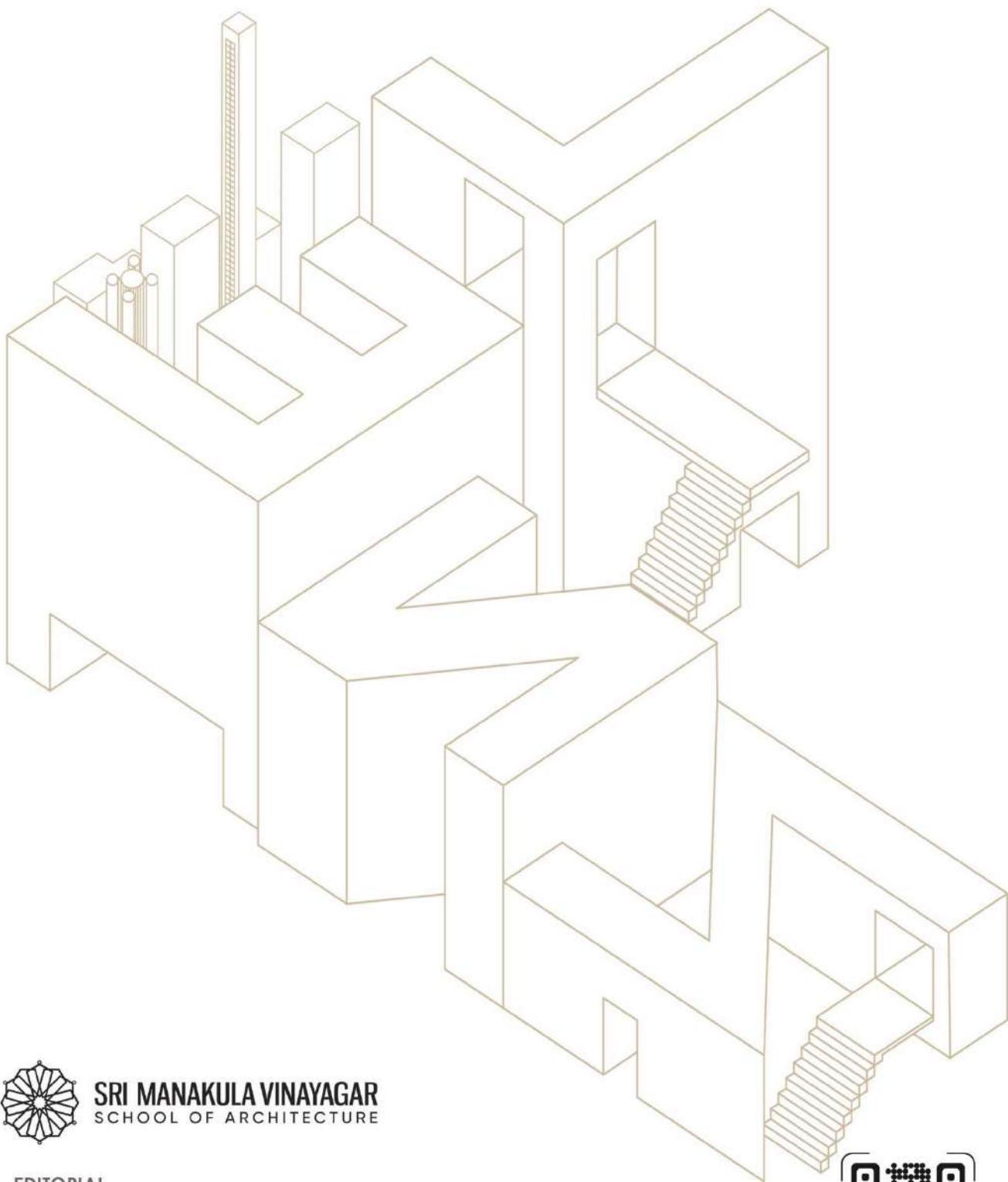
MR.KISHORE.P (2018- 2023)
DREAM SQUARE INTERIOR
DECORATION LLC - DUBAI
SALARY – 12,00,000 per Annum



MR.MAHESH.D (2018- 2023)
NIKKEN SEKKEI - DUBAI
SALARY – 30,00,000 per Annum

SMVSA LENZ

ISSUE 01 | 2024 - 2025



SRI MANAKULA VINAYAGAR
SCHOOL OF ARCHITECTURE

EDITORIAL

AR. T. MUGESH | AR. S. HARSHINI

