



Sinhgad Institutes

SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD COLLEGE OF ARCHITECTURE,
PUNE

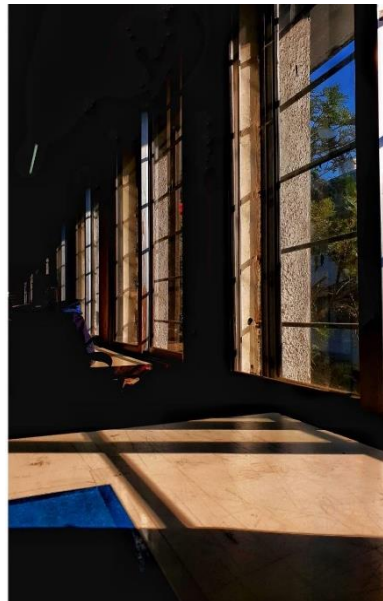
NAAC accredited

Abhivyakti

The annual magazine 2023-24

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Approved by Council of Architecture
Affiliated to the Savitribai Phule Pune University, Pune
(ID NO.PU/PN/Eng/1512000)

Sinhgad College of Architecture, Pune.



MESSAGES FROM OUR LEADERS



Prof. M. N. Navale
*Founder President,
Sinhgad Institutes*

The education today is at the crossroads, and cannot be committed to the limited objective of merely making the students literate. There has to be a holistic approach is required to ensure the overall development of the personality of students. All our institutes persistently endeavor to deliver the best towards making our students globally competitive and ideal citizens of our country. We nourish young minds with the right knowledge and a great learning atmosphere to pursue and achieve their dream career goals. Students are exposed to the rich and proud heritage of our country, making them aware of the purpose of education and social factors prevailing in the society. From a modest beginning, we have grown over the years to become a “ in the region, renowned for academic excellence. We have always put our best efforts toward creating thought leaders and hard-working professionals. This is evident from the quality of alumni passing out from our institutes year after year. They are amongst the most sought-after professionals by the industry as clearly evident by their fast progressive trajectory in professional life.



Dr. Sunanda M. Navale
*Founder Secretary,
Sinhgad Institutes*



Dr. Rohit M. Navale
*Vice President (HR),
Sinhgad Institutes*



Mrs. Rachana Navale Ashtekar
*Vice President (Admin)
Sinhgad Institutes*



Dr. Banani Banerjee
Principal, SCOA

Faculty Coordinators:
Dr. Avani Topkar

Student Editorial Team :
Om Pawar

Cover page graphics:
Om Pawar
Sarvesh Ghodke

FROM THE PRINCIPAL'S DESK

Sinhgad College of Architecture is one of the leading institutes in the city offering quality education in architecture at undergraduate and post-graduate levels. The college was established in 2000, under the brand name of 'Sinhgad Institutes' of Sinhgad Technical Education Society in a picturesque tranquil hilltop in the outskirts of Pune, a conducive place for students to grow intellectually, socially, and emotionally. We have completed our academic journey of twenty-four years successfully and going to celebrate 25th year with various events and extension activities. We are now at the crossroads of a new era of NEP 2020 which would bring many opportunities as well as challenges in the upcoming years. We will surely continue our journey with our experience and strong will power.

FROM THE STUDENT EDITOR

The students at SCOA are proud to uphold the tradition of releasing the annual magazine, Abhivyakti, this year. The entire process, from gathering content to editing, designing, and printing, has provided us with the chance to collaborate, grow intellectually, and notably contribute to the college's advancement. We extend our gratitude to the faculty and management for their unwavering support and guidance throughout.

Om Pawar

OUR VISION

"create an milieu for crafting sensible & responsible architects for the society"

OUR MISION

committed to offer a conducive academic environment
to

LEARN, DEMONSTRATE & PROGRESS
for

both students and teachers

OUR OBJECTIVES

to provide all-round development & excellence
in

curricular program, co-curricular activities & extra-curricular activities

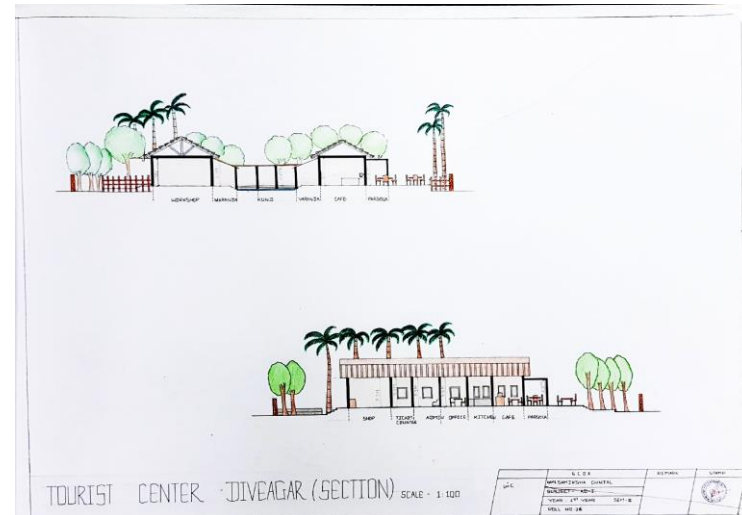
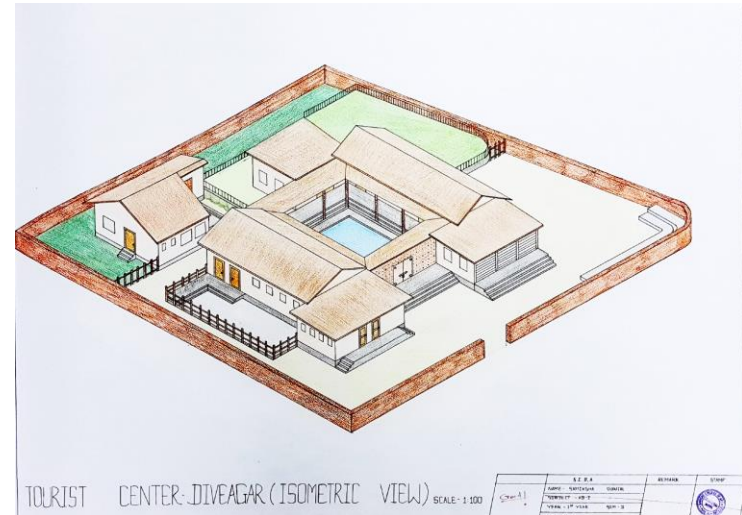
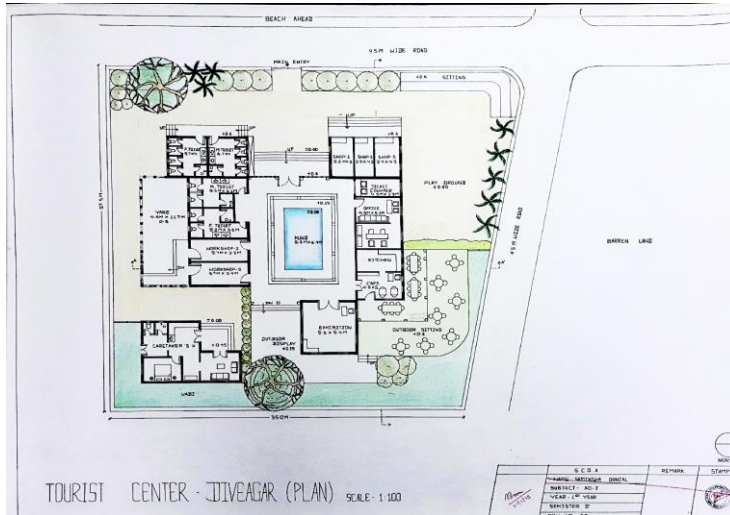
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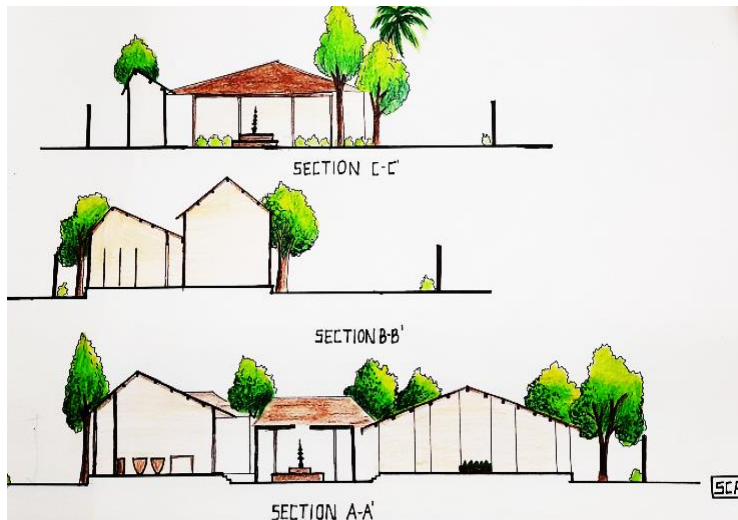
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- **OATH**

ACADEMIC WORKS

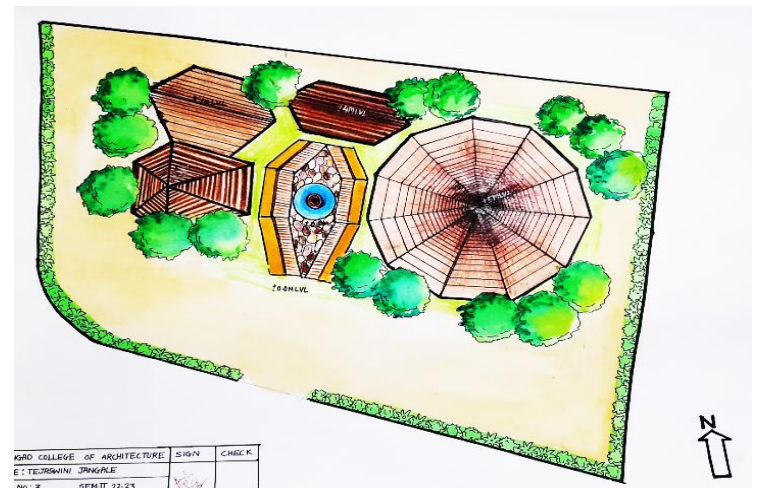
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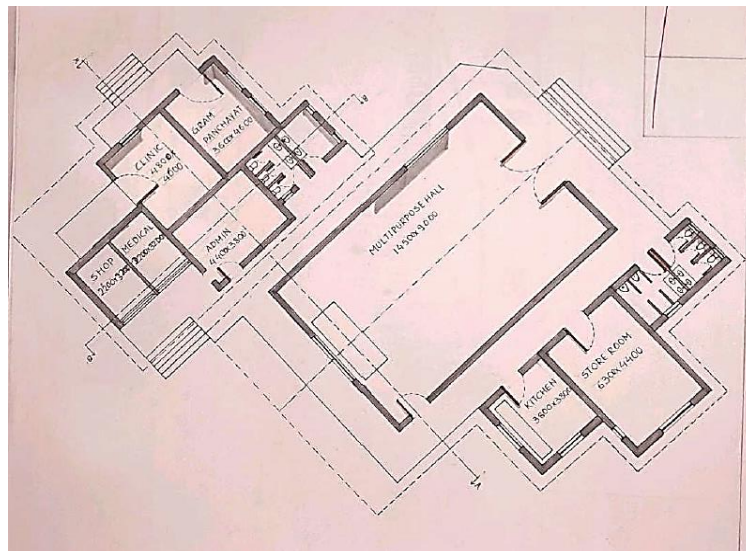
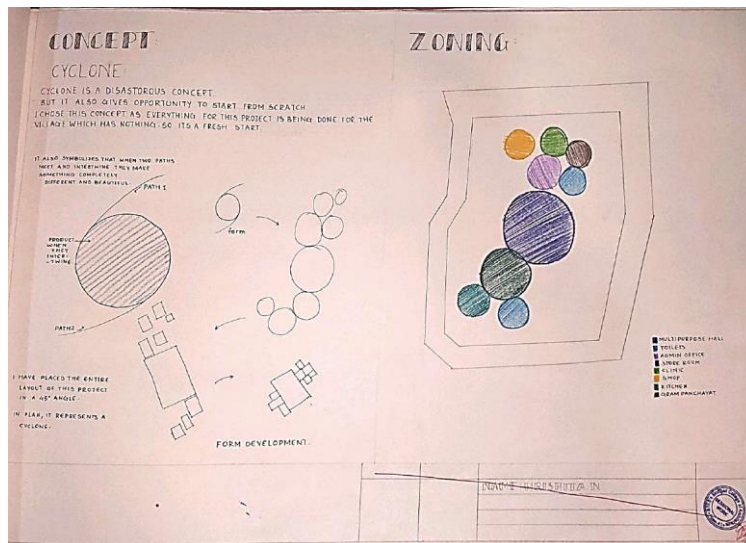
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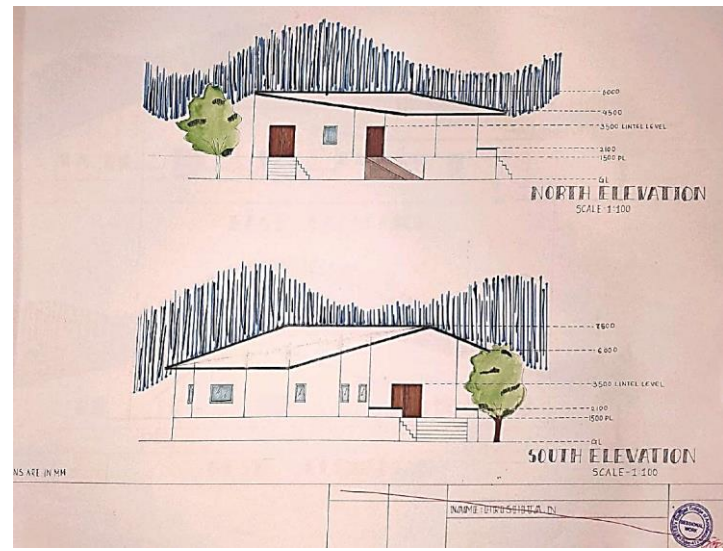
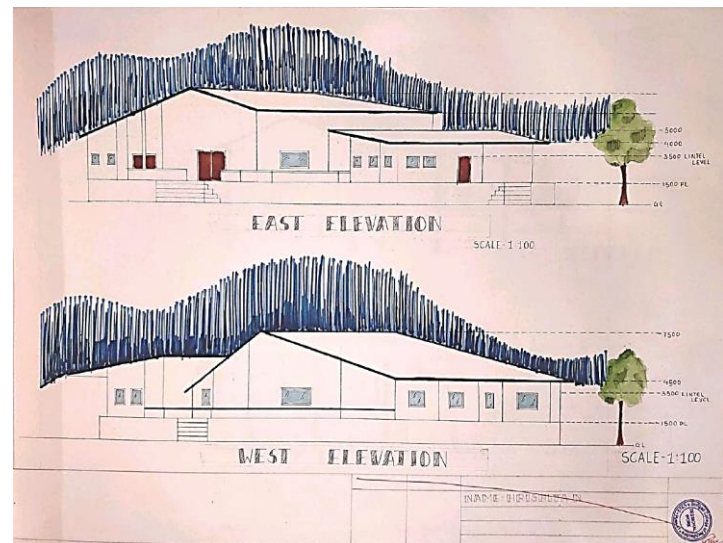
Local Market at Masure – Tejaswini Jangale



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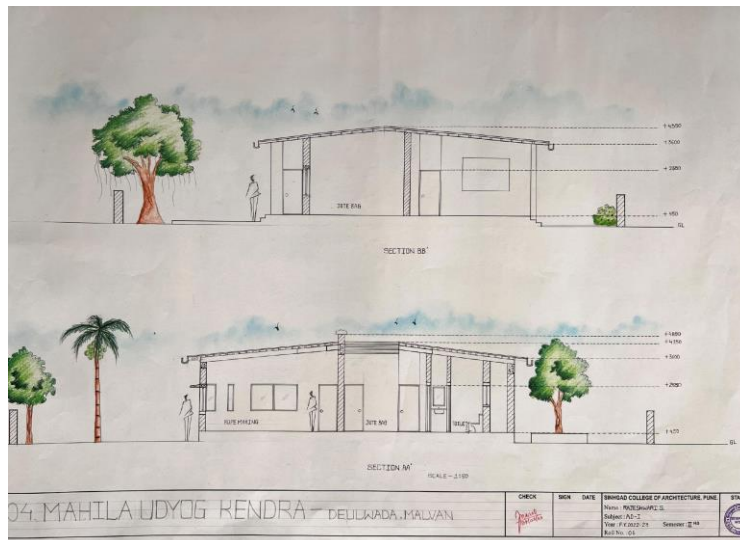
Multi Facility Centre at Khurje - Hrishita Nilegaokar



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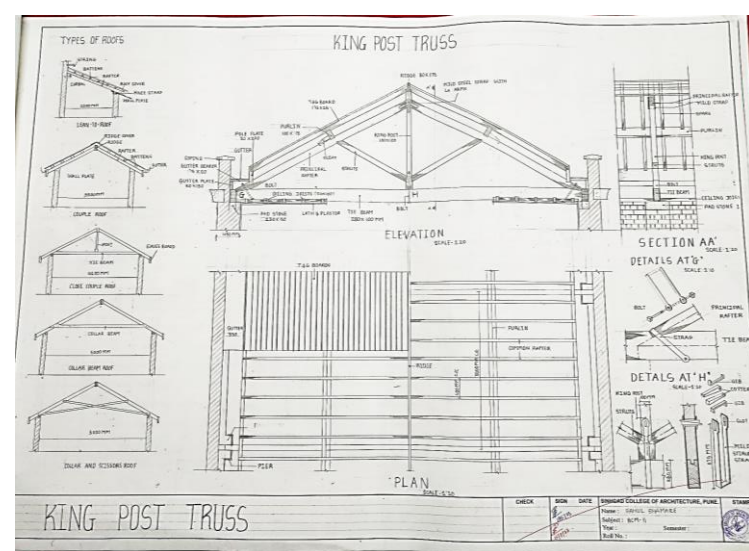
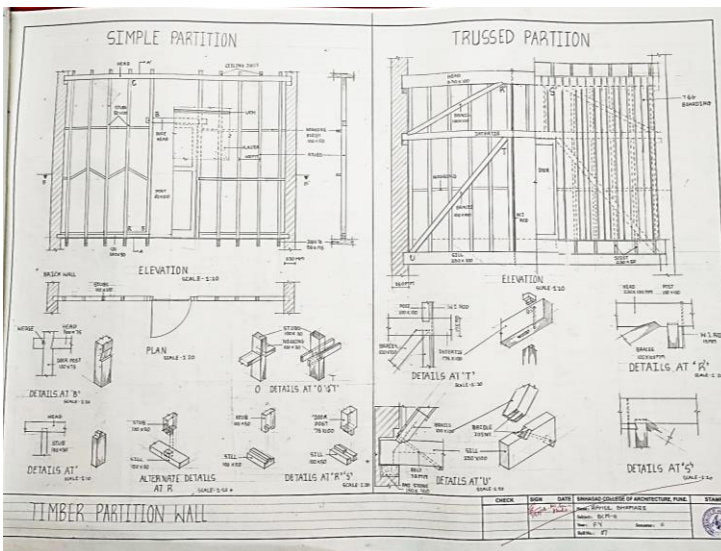
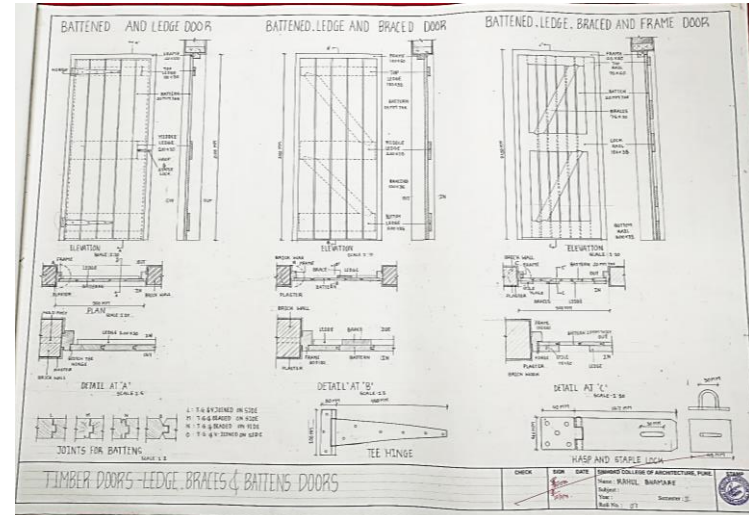
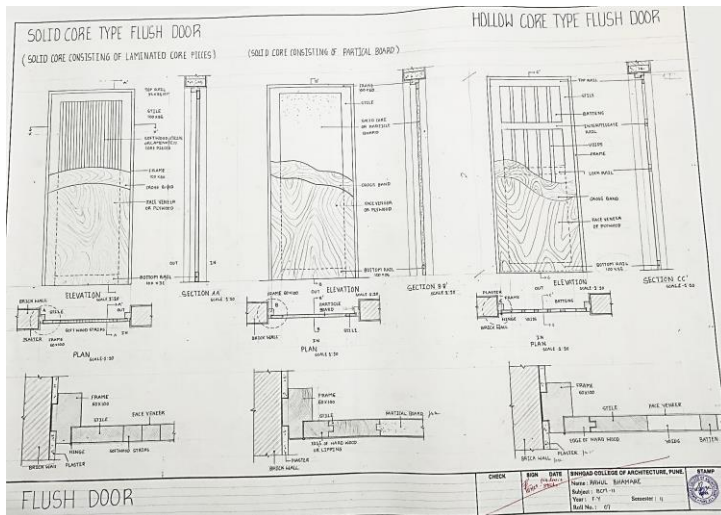


Mahila udyog kendre, Deulwada – Rajeshwari S



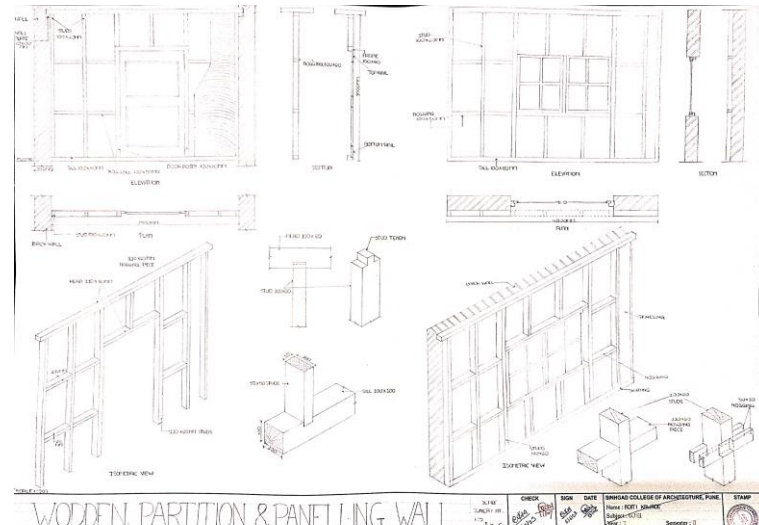
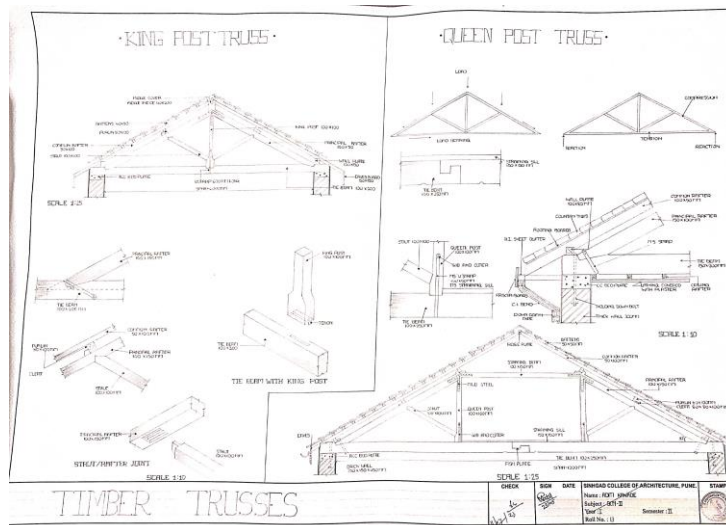
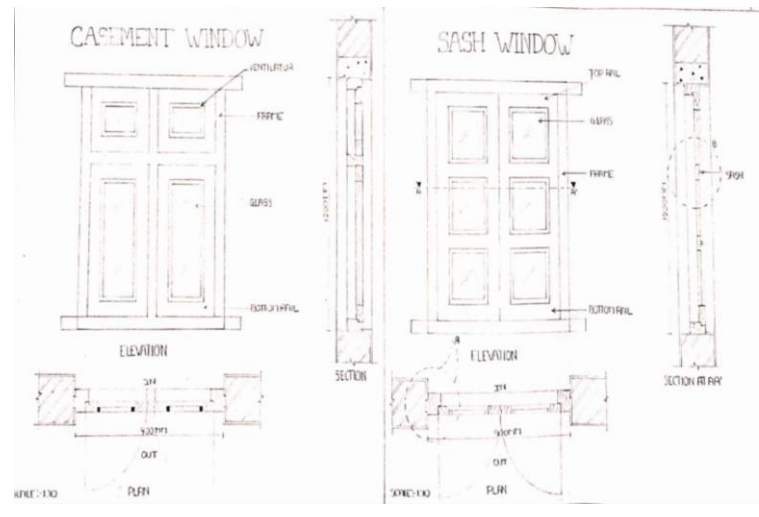
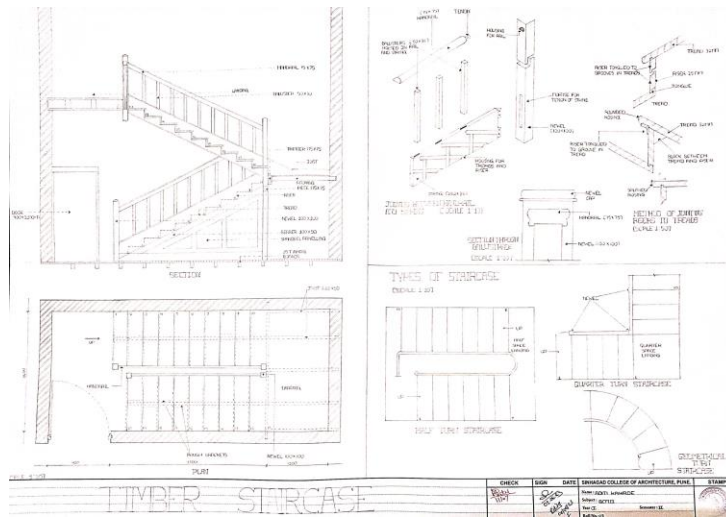
First Year BCM II

Rahul Bhamare

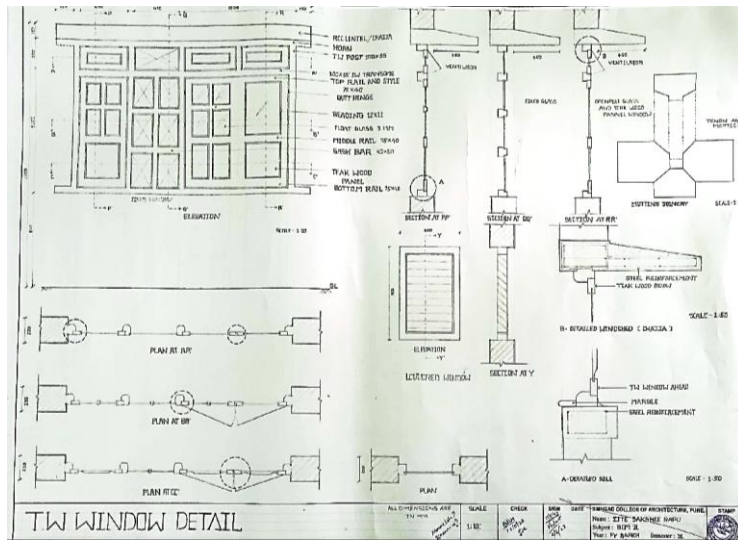


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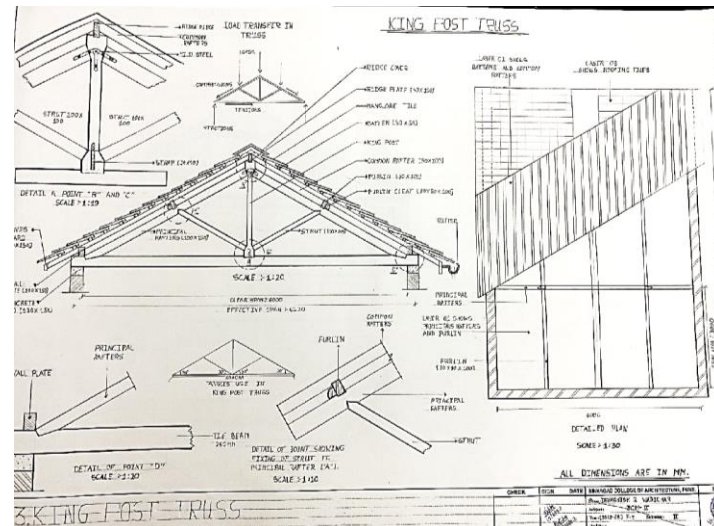
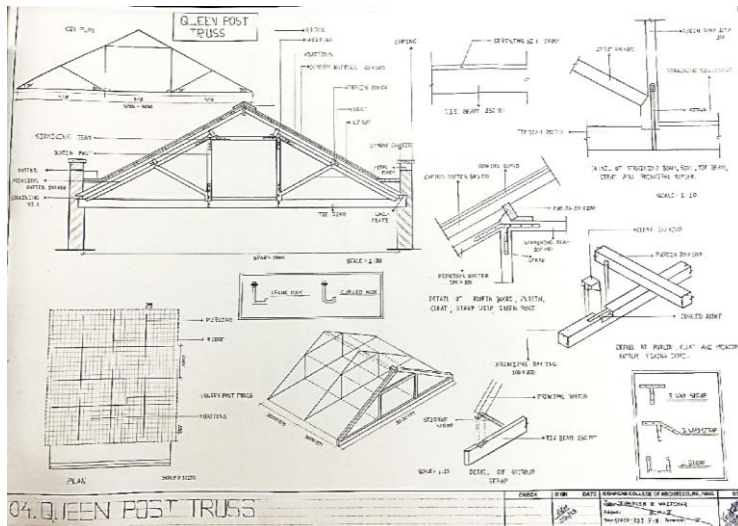
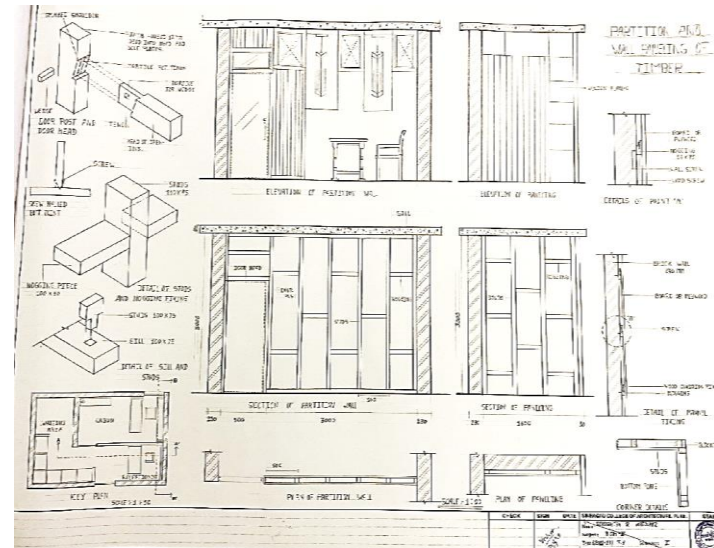
Aditi Kawade



First Year BCM II

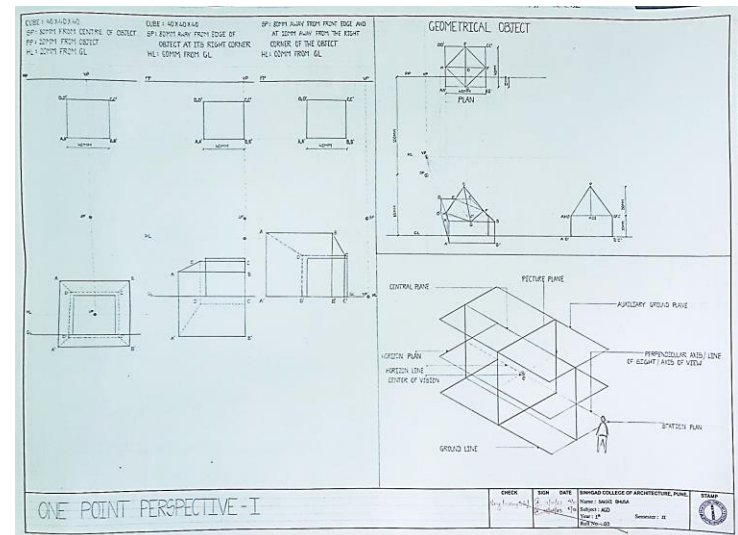
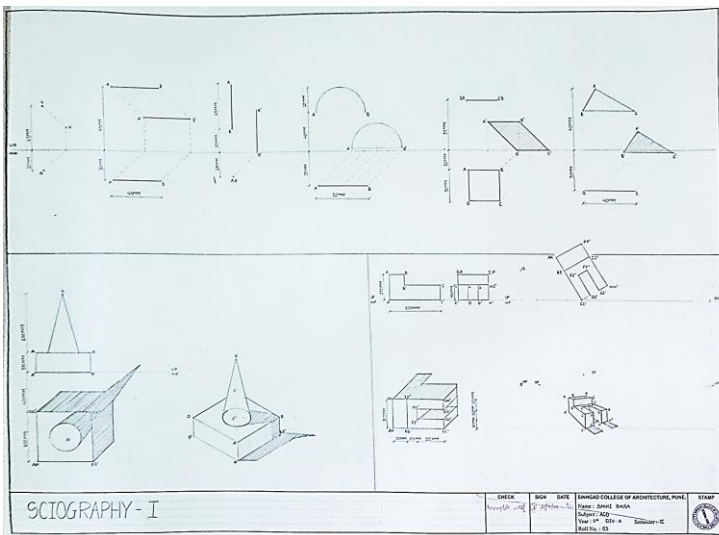
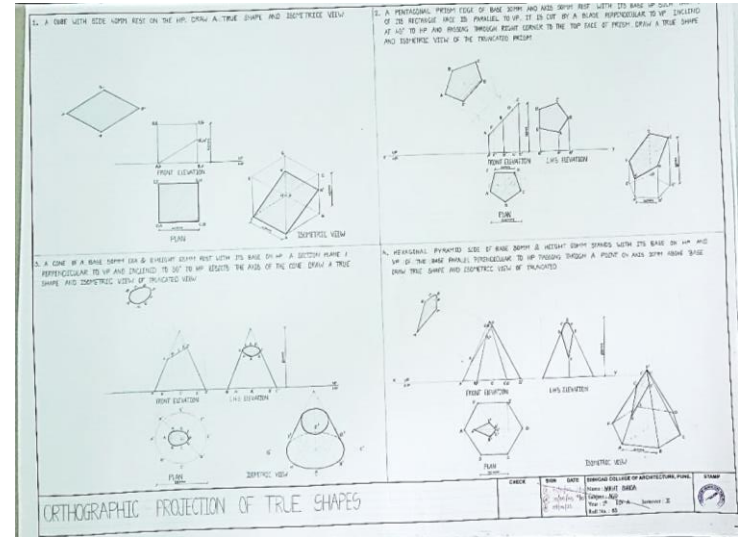
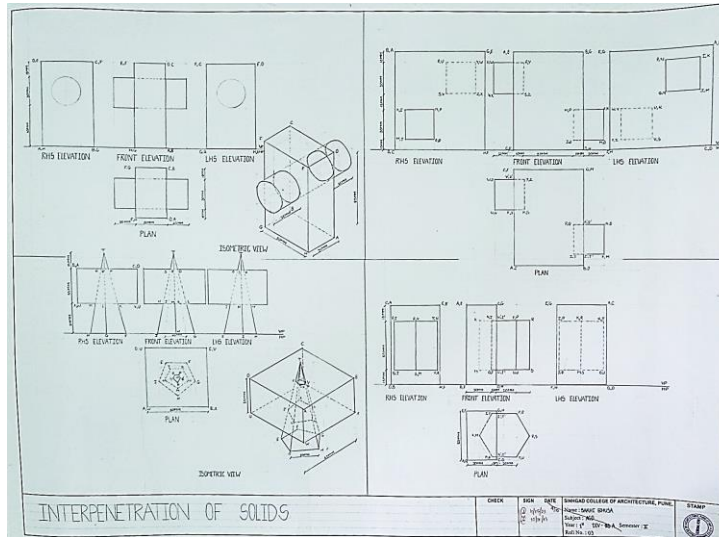


Sakshi Zite , Devashish Wadichar



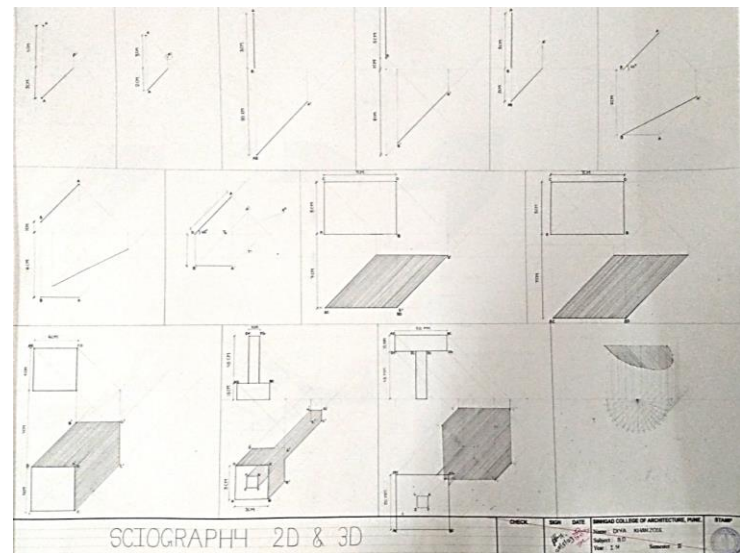
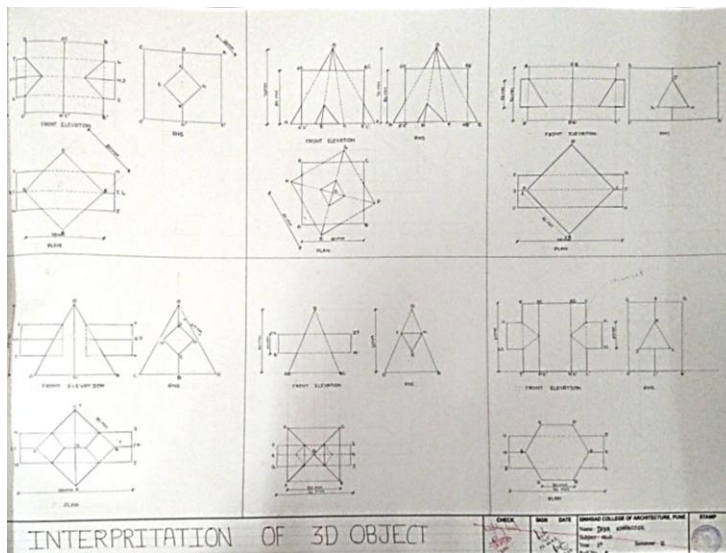
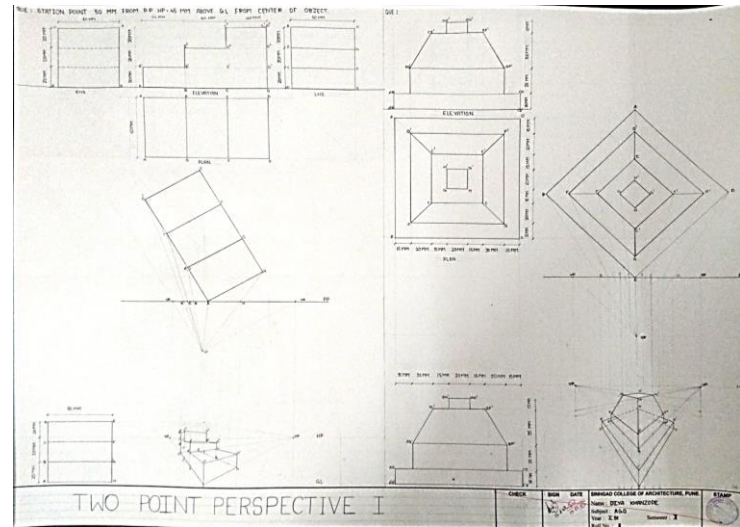
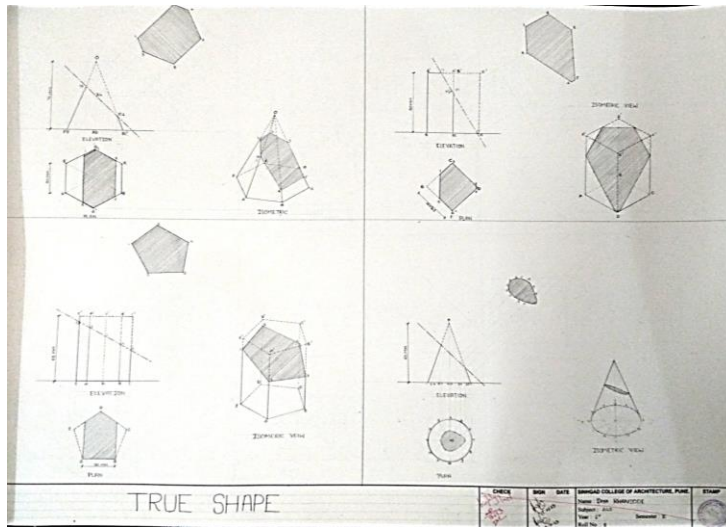
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Sakhi Bhusa



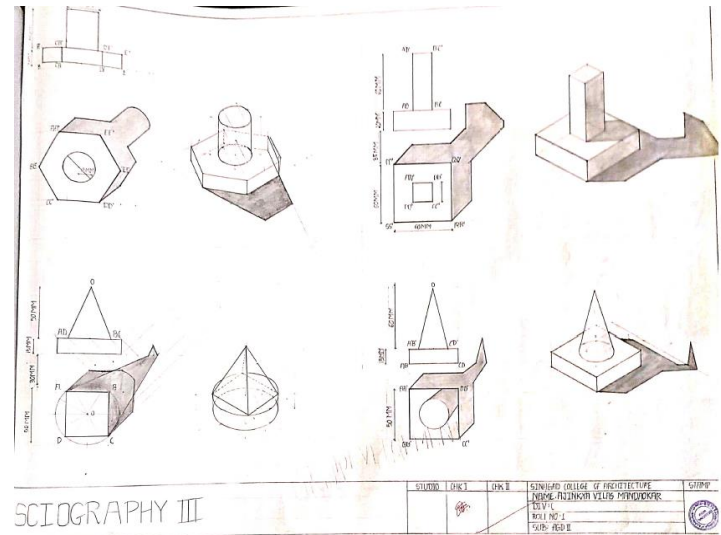
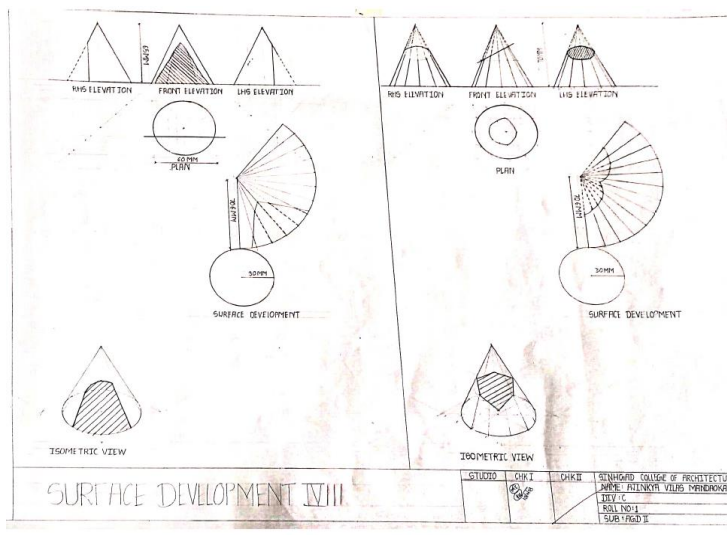
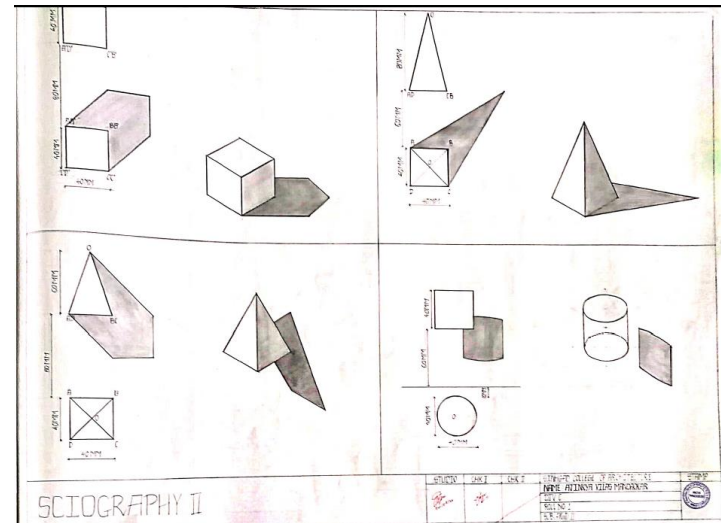
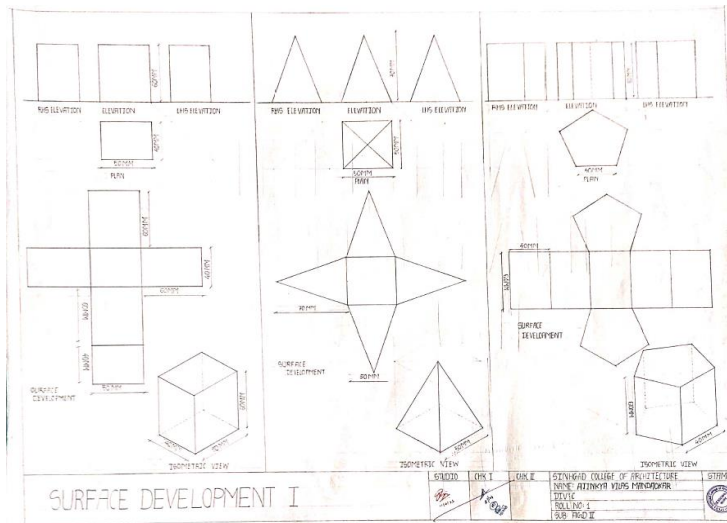
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Diya Khanzode



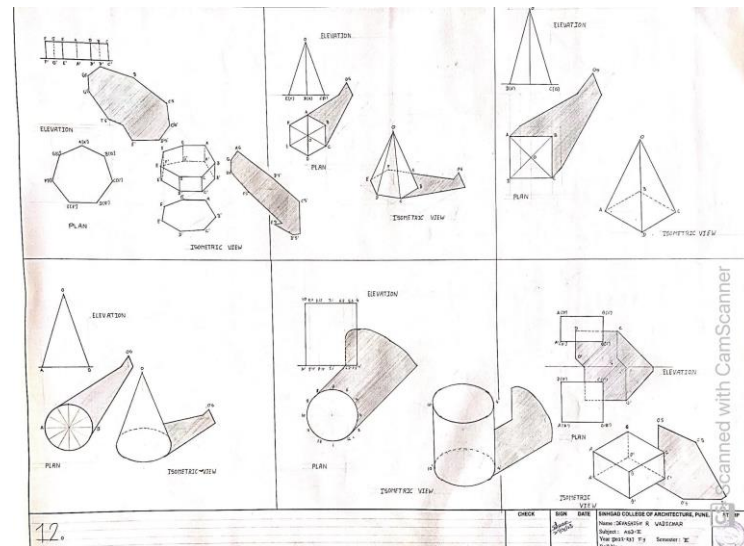
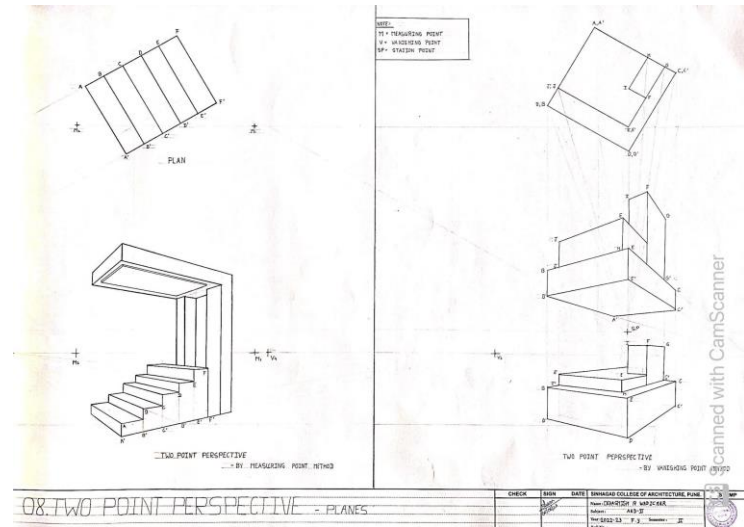
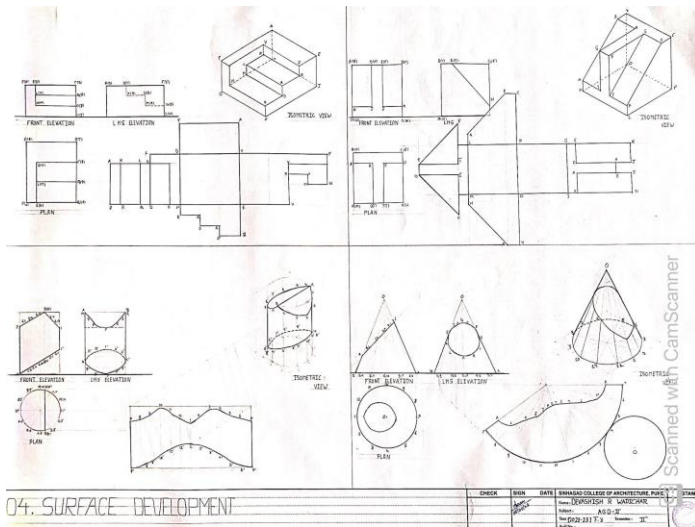
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Ajinkya Mandaokar



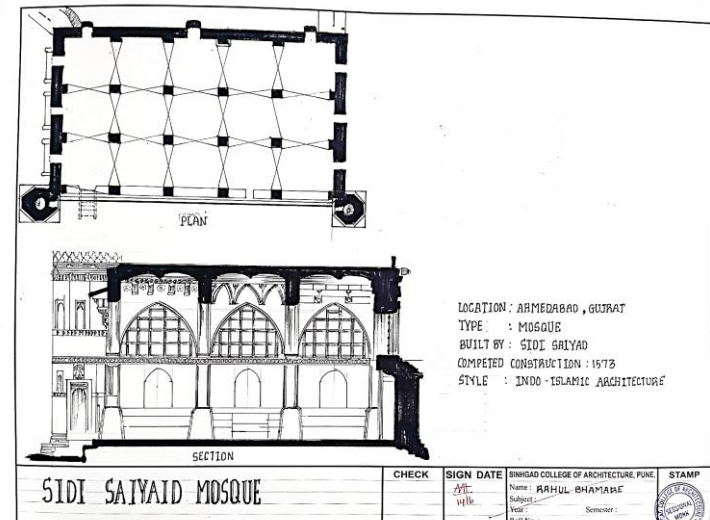
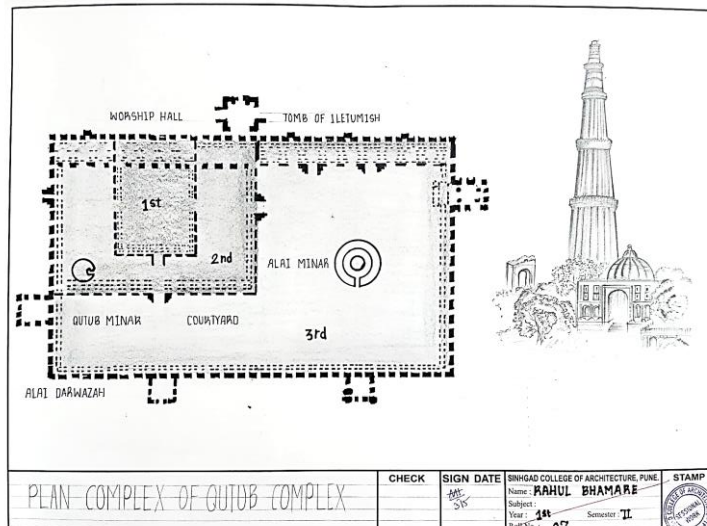
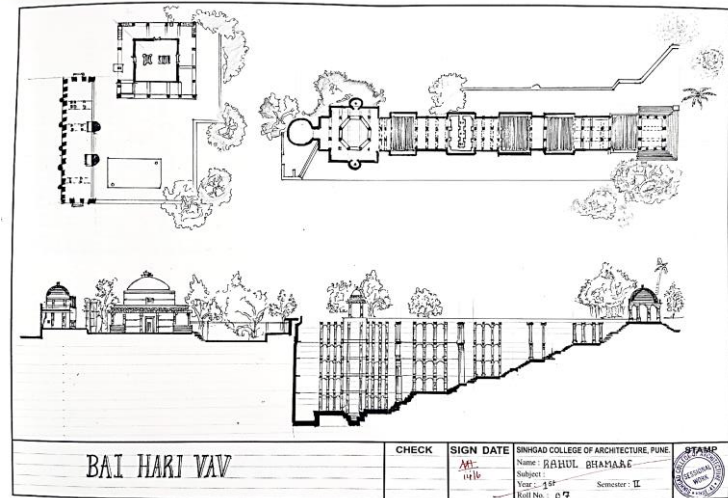
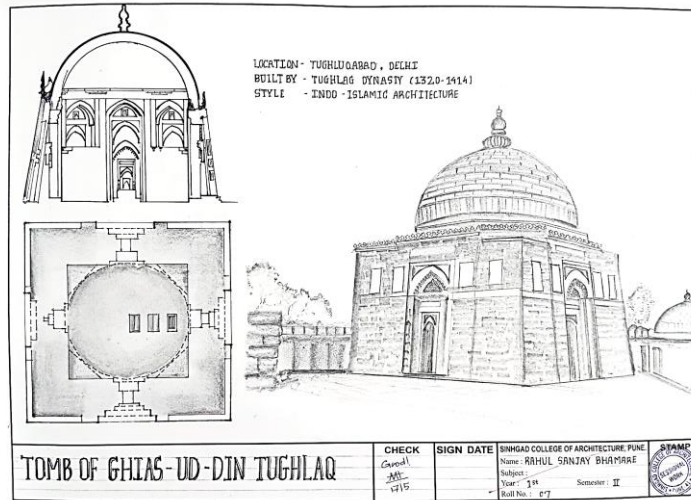
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Devashish Wadichar



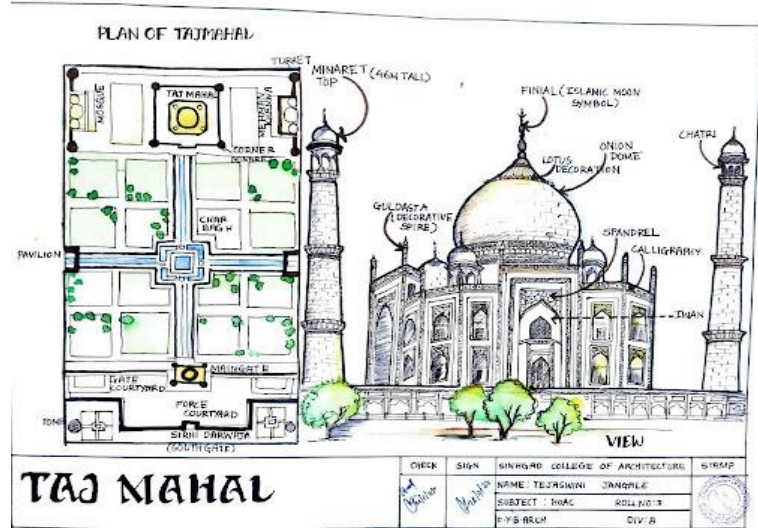
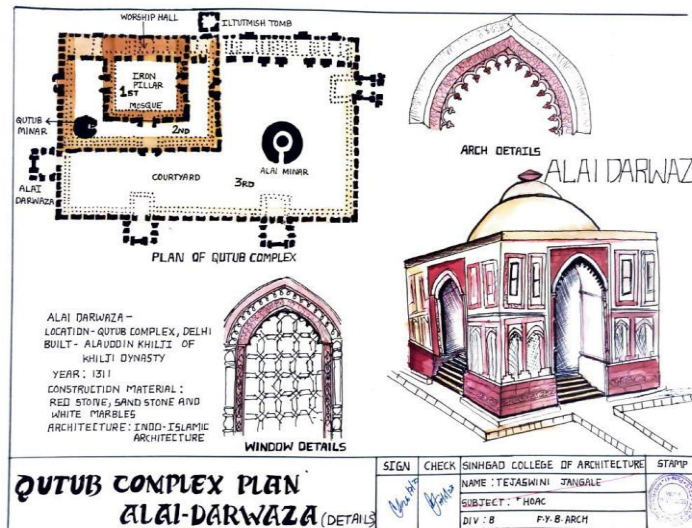
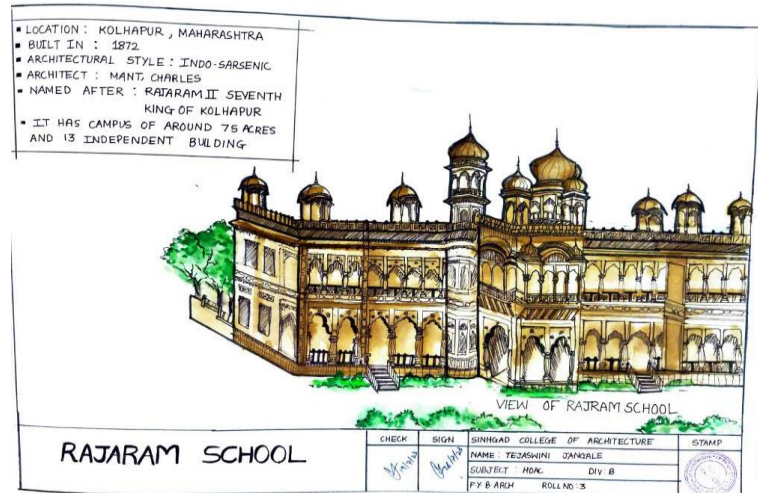
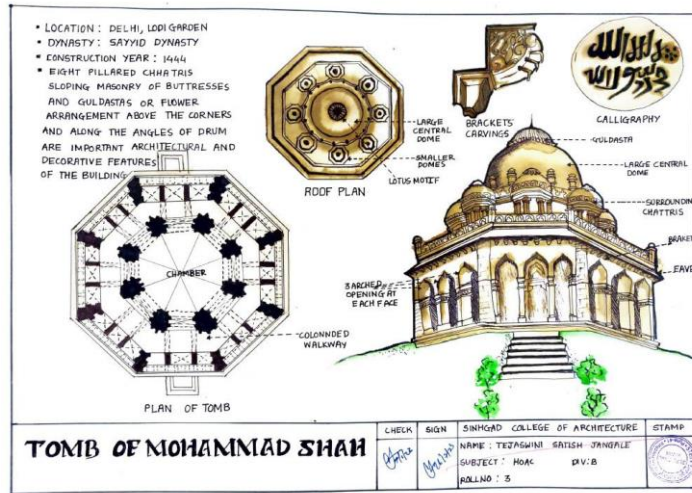
First Year HoAC II

Rahul Bhamare



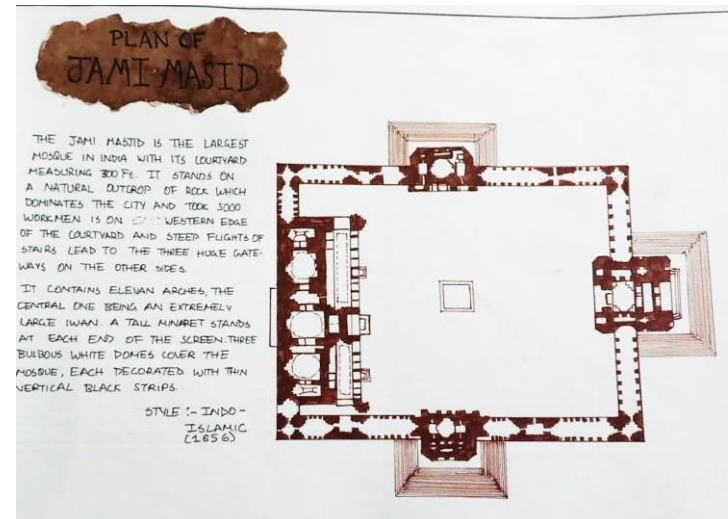
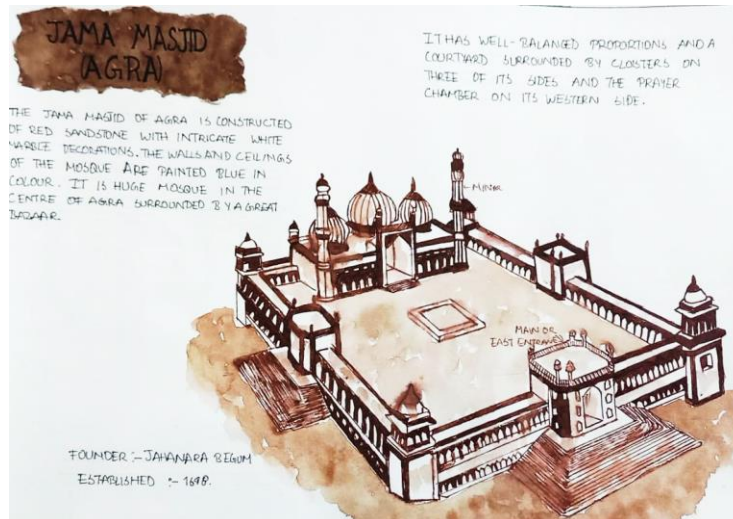
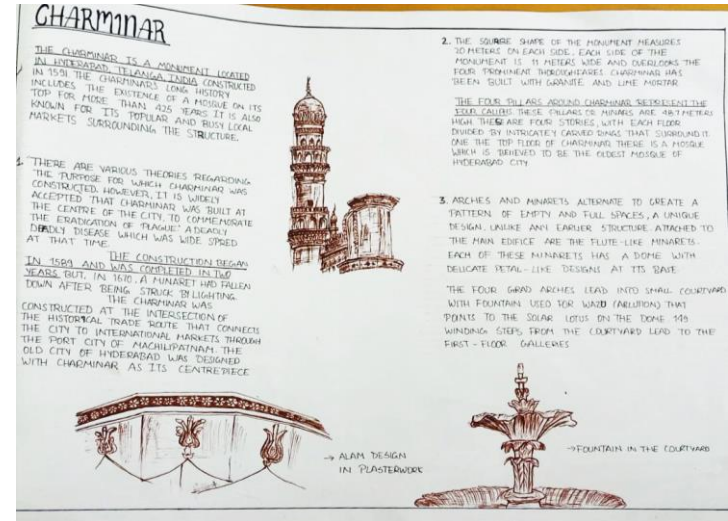
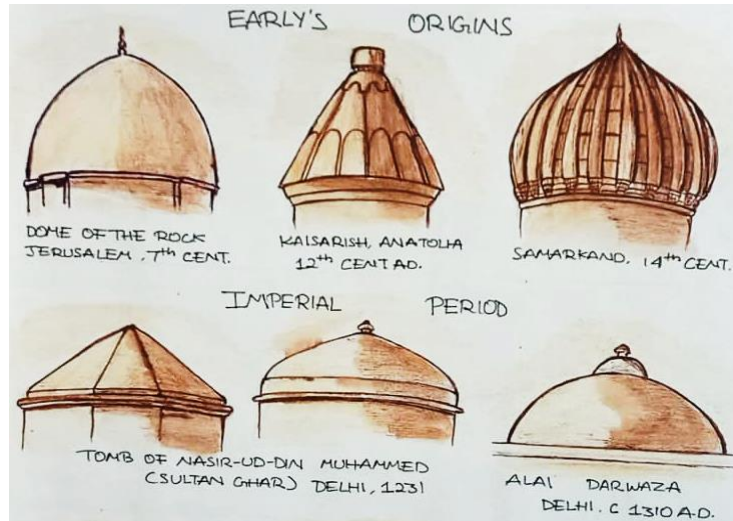
First Year HoAC II

Tejaswini Jangale



First Year HoAC II

Niharika Negi



First Year FoA

Ritika Bhagwat

Four Phases Of Architecture Design

Architecture design is not a one-shot deal. Instead, it's a progression through a hierarchy of phases of model & the defines this design process starting from on the conceptual abstracting and ending with a concrete implementation. These four phases are termed as follows:

- Conceptual
- Logical
- Structural
- Concrete

Now, typical below is an informal example of applying the four phases to a well-known building. The Eiffel Tower was started as a concept imagined.

1) Conceptual:	2) Logical:	3) Structural:	4) Concrete:
Create a system that allows users to the Finance Department of my Company conduct payroll activities for all divisions worldwide.	The logical level of architectural design is where purpose, scope and constraints every aspect of architectural design are decided.	The structural level is the place where architectural design begins to take shape physically. So structural method is important.	The concrete level is the place where specific products, materials and services necessary to realize the architectural design are decided & implemented.

Design Process

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Samundea Institute Of Maritime Studies

Location: Uranavale, Pune, Maharashtra, India.
 • Old Name: SIMS
 • Established: 1 August 2005
 • Principal: Manish Ph.
 • Academic staff: 70+

The Samundea Institute of Maritime Studies is one of India's advanced centres of marine engineering and navigation. The institute is a backward integration of Executive Ship Management Institute Limited (ESIM). A ship management company based in Singapore having established a port sea training facility, SIMS embarked on another training project in starting a "pre sea" training facility for deck and engine cadets.

Area: 21000 m²
 Year: 2005

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"The Role Of Architecture Journalists In The Educating And Engaging The Public On Architectural Issues"

Conclusion
 The role of architecture journalists is educating the public on architectural issues and debate to impact architectural design on our lives.

POWER OF WORDS
 Architectural plays a significant role on our lives, shaping how we live, work, and interact with our environment. From the buildings we inhabit to the urban spaces we move through, architecture physically impacts our well-being and quality of life. However, for many people, architecture can seem daunting, complex, and disconnected from their daily experiences.

Architecture Journalism has the power to inform and shape public opinion about the built environment by reporting on the latest field trends and the developments.

Current trends and forces in architecture - architecture constantly evolves, with new developments, technologies and challenges always emerging. As such, reporting on current events and issues to architecture is essential for keeping the public informed and engaged in architectural issues. Collaborating with architects and designers is a crucial aspect of the architecture journalists can gain deeper insights into the design process.

The future of architecture journalism is closely tied to the field's evolution.

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THE FUTURE OF ARCHITECTURE JOURNALISM IN EVER-CHANGING MEDIA LANDSCAPE

ILLUSTRATION

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First Year FoA

Aditi Kawade





FRONT ELEVATION

BACK SIDE ELEVATION

VIEWS



HISTORY OF VICTORIA MEMORIAL



ON THE DEATH OF QUEEN VICTORIA IN JANUARY 1901, LORD CURZON, WHO WAS THEN VICEROY OF INDIA, PLACED BEFORE THE PUBLIC THE QUESTION OF SETTING UP A FITTING MEMORIAL TO THE QUEEN. HE SUGGESTED THAT THE MOST SUITABLE MEMORIAL WOULD BE A "SITELY" SPACIOUS, MONUMENTAL AND GRAND BUILDING SURROUNDED BY AN EXQUISITE GARDEN. THIS WAS TO BE A HISTORICAL MUSEUM WHERE PEOPLE COULD SEE BEFORE THEM PICTURES AND STATUES OF MEN WHO PLAYED A PROMINENT PART IN THE .

PLAN

APPRAISAL

CHECK	SIGN	SCORE	STAMP
NAME: ADITI KAWADE			
SUB: FOA	VERA-T		
DIV: B	ROLL NO: 3		

- THE APARTMENTS AND COMMUNITY SUPPORTING FUNCTIONS ARE SITUATED ON THE WEST SIDE, WHILE RETAIL, OFFICE AND FIVE STAR HOTELS ARE PERCHED ON THE EAST SIDE.
- THE FOUR TOWERS ARE AS WELL SEAMLESSLY CONNECTED BY A CIRCULAR AERIAL BRIDGE, WHICH HOUSES INTERACTIVE SPACES - INCLUDING OPEN-AIR RESTAURANT AND INFINITY SWIMMING POOL.
- A TWIN APARTMENT TOWER IN THE WEST ARE LINKED BY THE PODIUM. IT HAS IRIDESCENT GRADIENT FACADE WITH TEXTURAL, THREE DIMENSIONAL LINE





INTERIOR VIEW

INTERIOR VIEW

STUDY OF STRUCTURE

CHECK	SIGN	SCORE	STAMP
NAME: TEJASWINI JANGALE			
FY: B-ARCH	ROLL NO: 3		
SUBJECT: FOA	DIV: B		




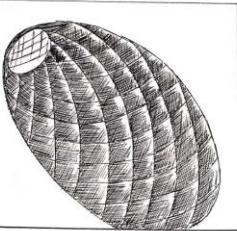
ADVANTAGES OF THE CYBERTECTURE BASED BUILDINGS WHICH ARE AS FOLLOWS:

HIGHER AND BROADER PERFORMANCE THAN CONVENTIONAL ARCHITECTURE, DERIVING WITH ENERGY USE IN THE BUILDING.

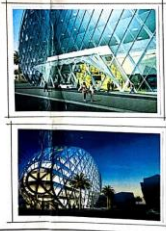
SECURITY OF THE BUILDING.

FIRE RESISTANCE STRUCTURE.





- ORIENTATION OF BUILDING: THE BUILDING IS TOWARDS THE IDEAL DIRECTION VS-AVING THE SUN TO MINIMIZE SOLAR AND HEAT GAIN.
- INTELLIGENT GLASS FACADE: THE BUILDING'S GLAZING HAS VARIABLE TINTING AND TONES BASED ON SUN ORIENTATION, AS WELL AS VARIABLES SHADING AND TINTING.
- IN FRAMES: PHOTOVOLTAIC CELLS ARE INTEGRATED INTO THE FACADE ALONG THE SUN TO HELP PROVIDE AN ALTERNATIVE ELECTRICITY SOURCE.



STUDY OF STRUCTURE

CHECK	SIGN	SCORE	STAMP
NAME: ADITI KAWADE			
SUB: FOA	VERA-T		
DIV: B	ROLL NO: 3		

BRICK WALL PATTERN



INTERIOR VIEW

- AT THE ENTRANCE, A CASCADING PERFORATED BRICK WALL PROVIDES PRIVACY FOR THE HOUSE. THE ENTRANCE TO THE HOUSE IS VIA AN ENCLOSED HALLWAY ASCENDING TO THE FOYER LEADING TO MAIN DOOR, THE HOUSE UNFOLDS INTO A SINGLE, SPACIOUS AREA.
- THE FLOORING IS PRIMARILY COMPOSED OF KOTA STONE DIFFERENTIATED THROUGH THE USE OF PATTERNS AND DIFFERENT FINISHES.

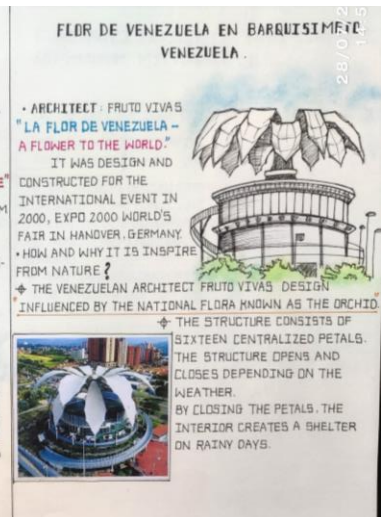
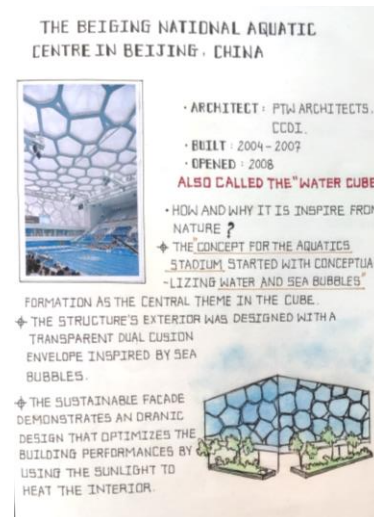
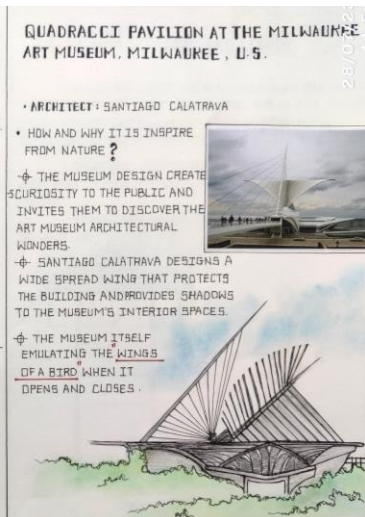
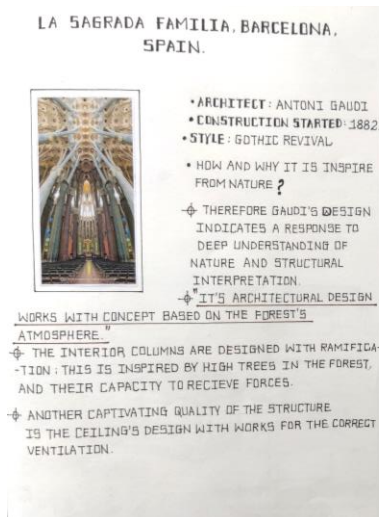
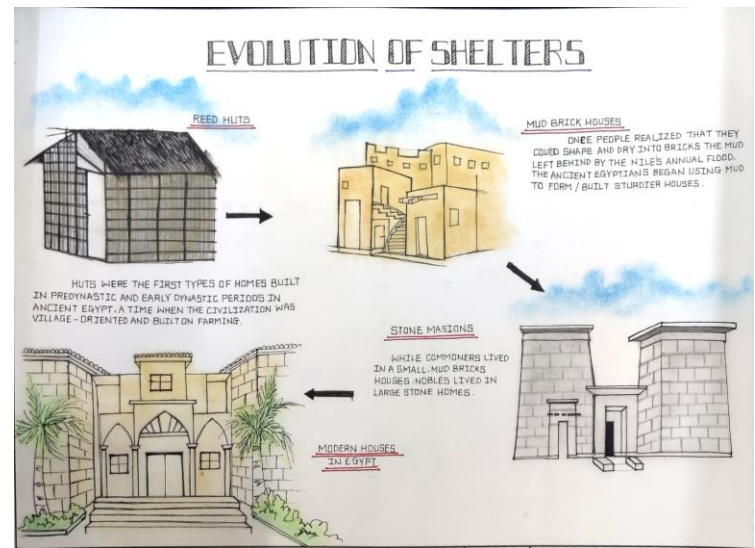
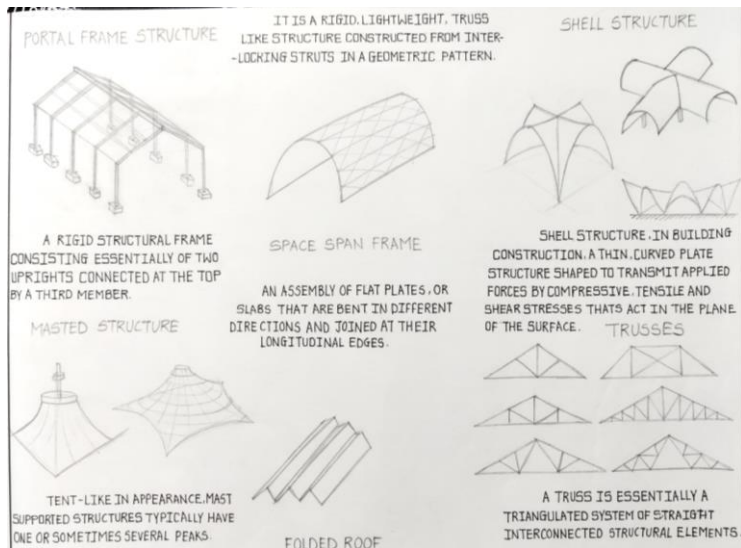



STUDY OF GREEN BUILDING

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SUBJECT: FOA	ROLL NO: 3		
FY: B-ARCH	DIV: B		

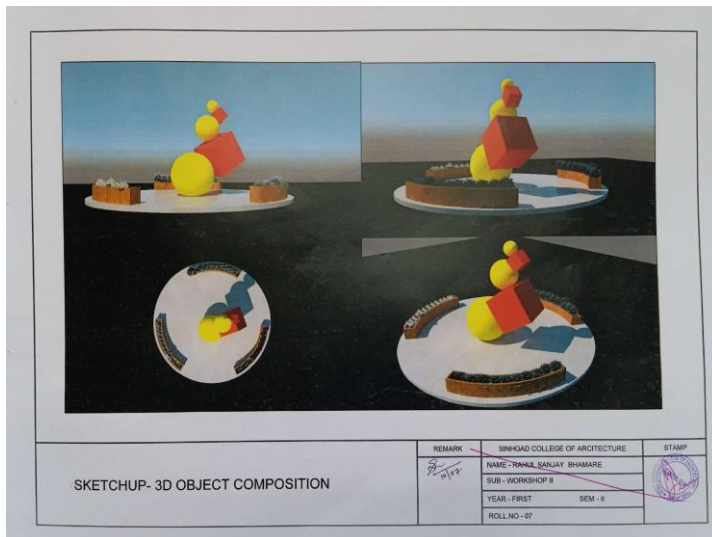
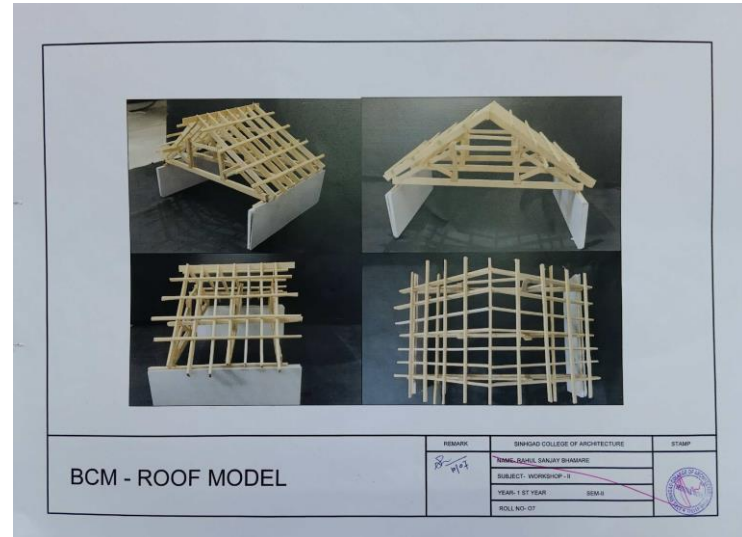
First Year FoA

Rajeshwari S



First Year WS II

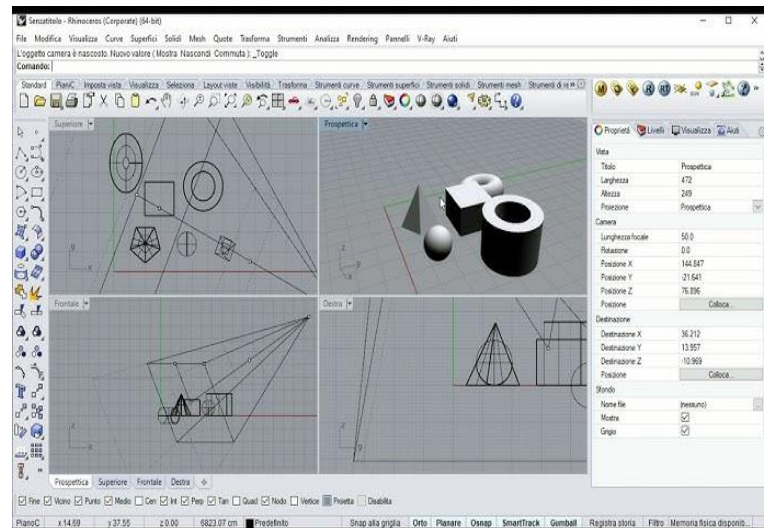
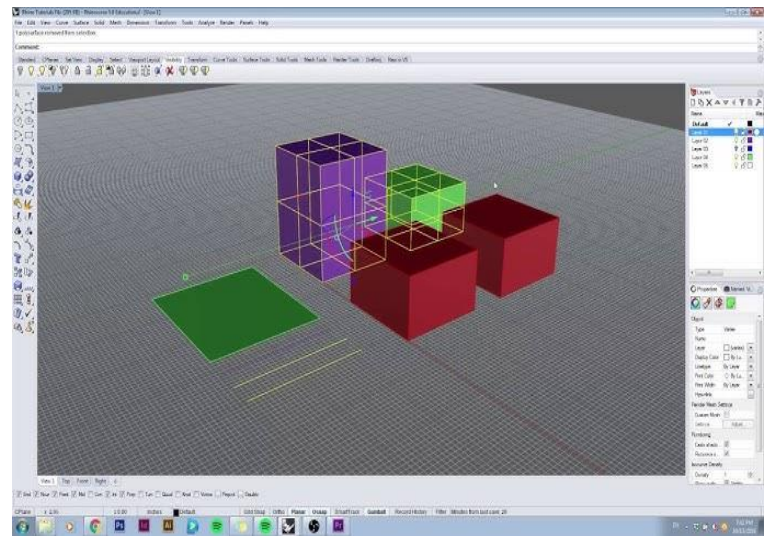
Rahul Bhamare



First Year WS II

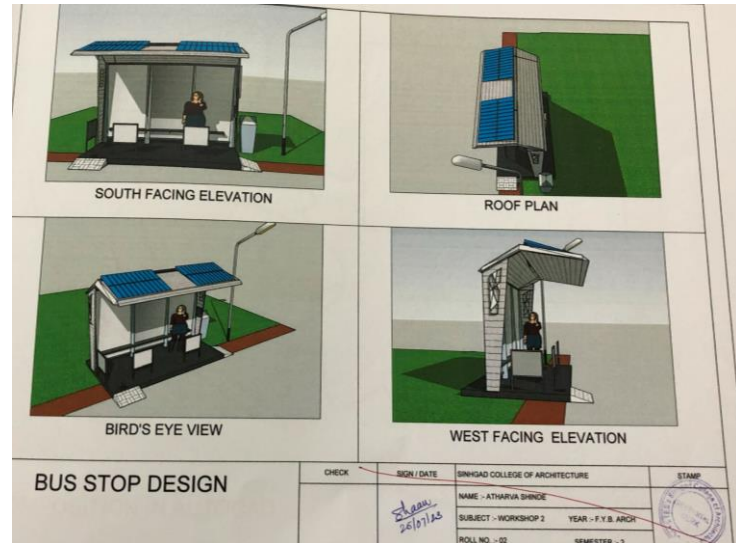
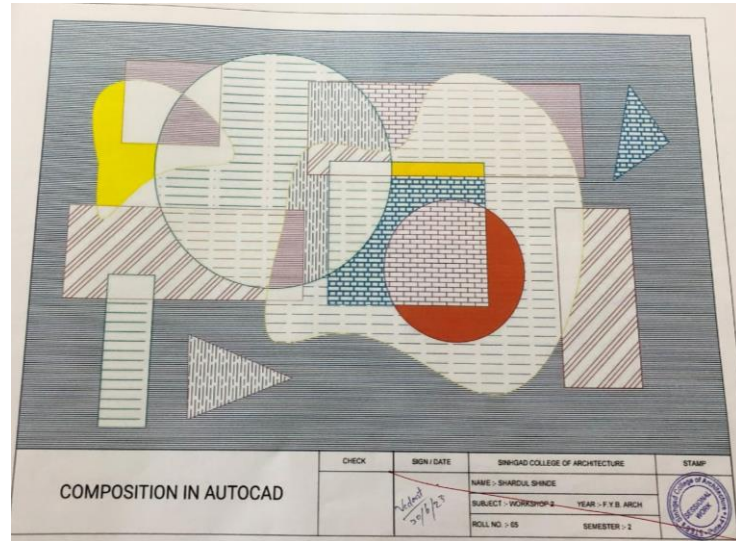
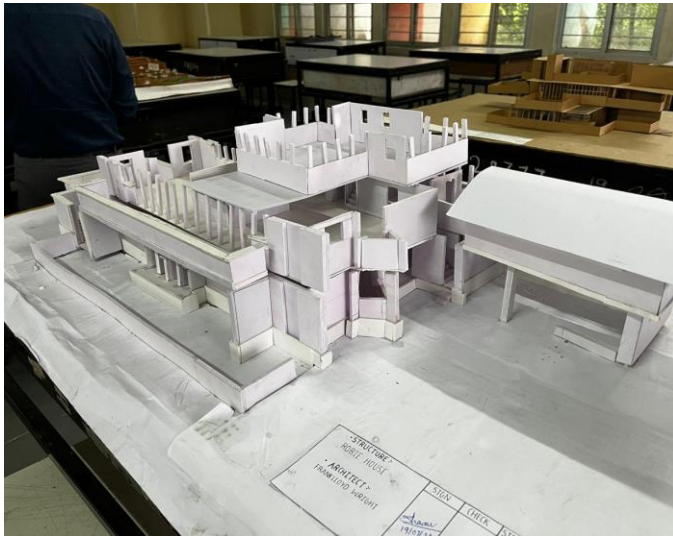


Pushkar Kate, Tejaswini Jangale



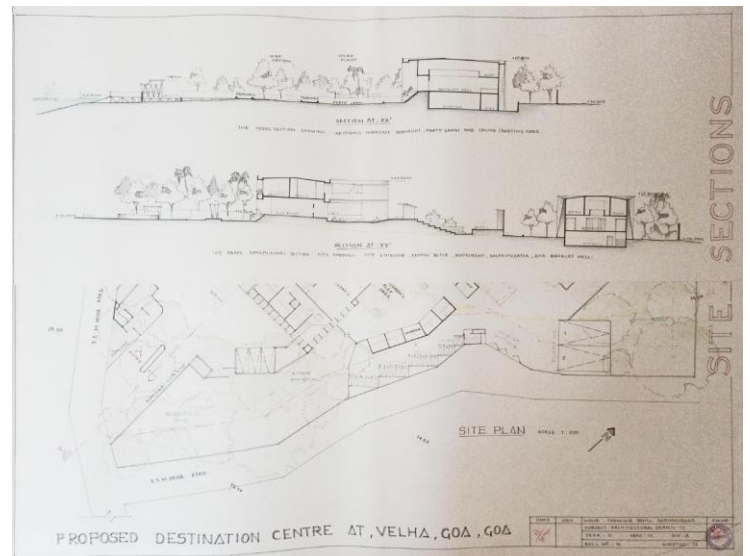
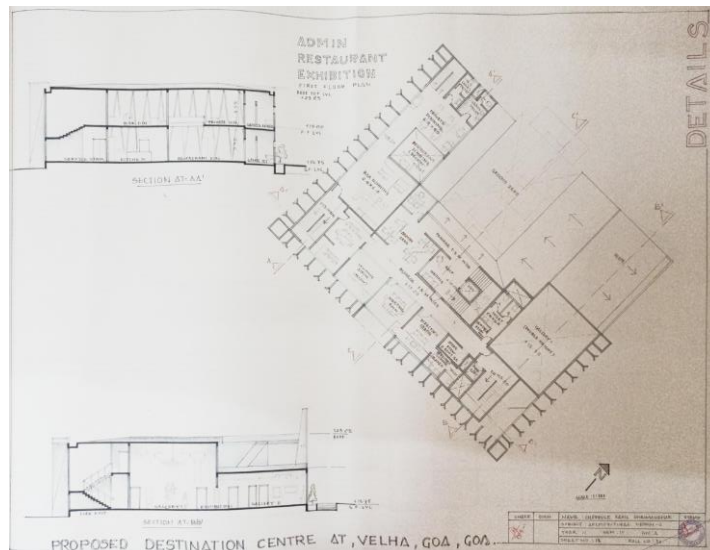
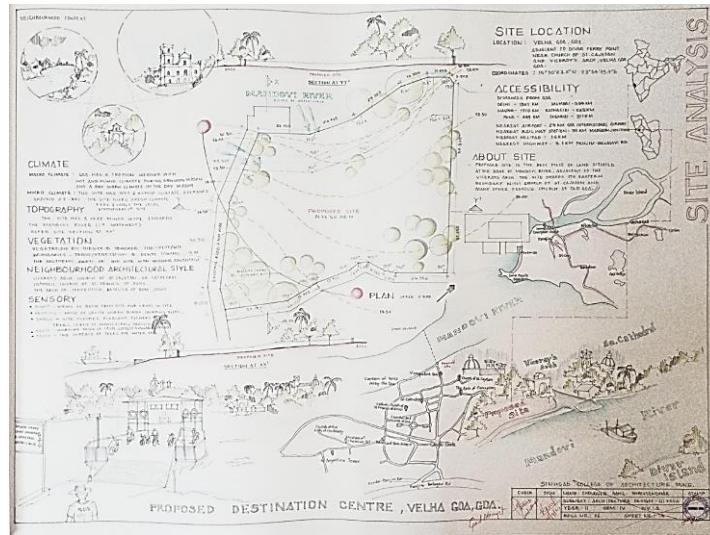
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Shardul Shinde



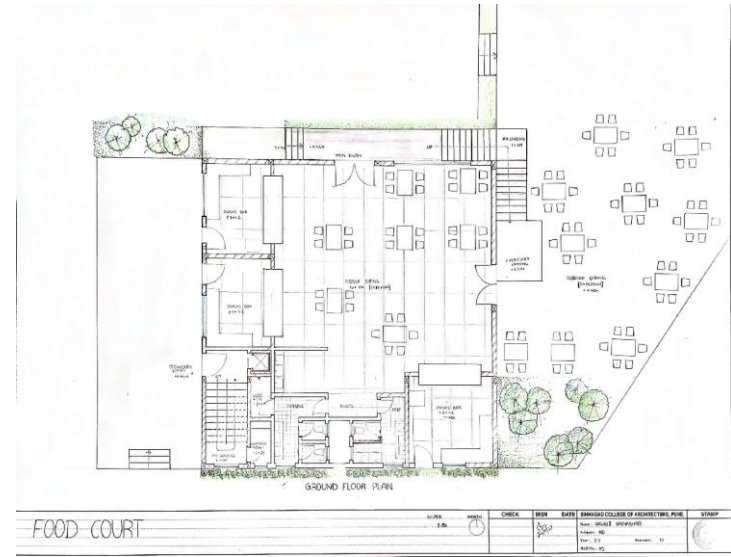
Second Year AD III

Destination centre at Velha, Goa - Sahil Chougule

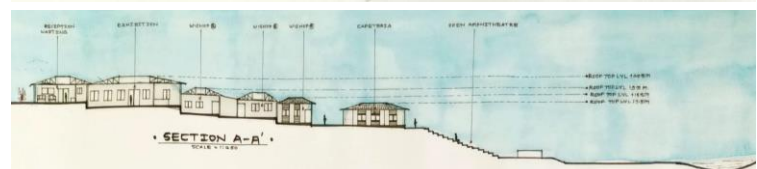
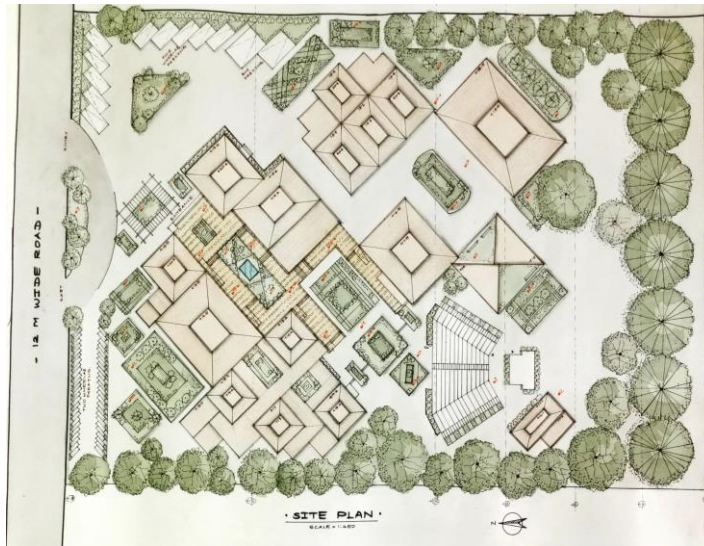


Second Year AD III

Tourist Facilitation Center, Mitaoli -Yashashree Gawali



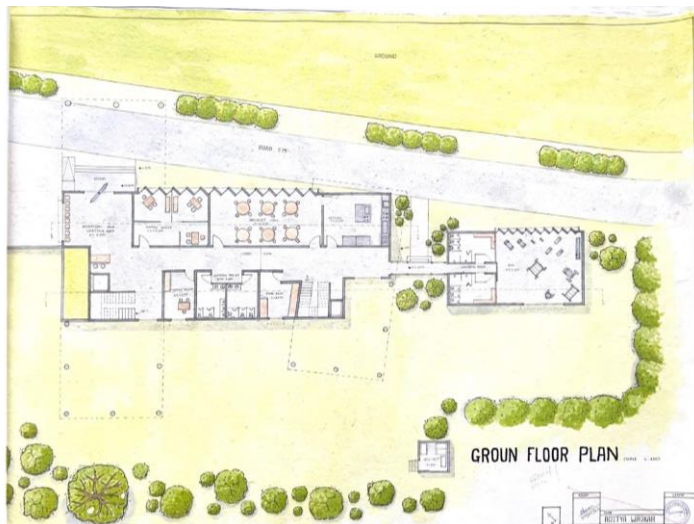
Second Year AD III



Second Year AD III

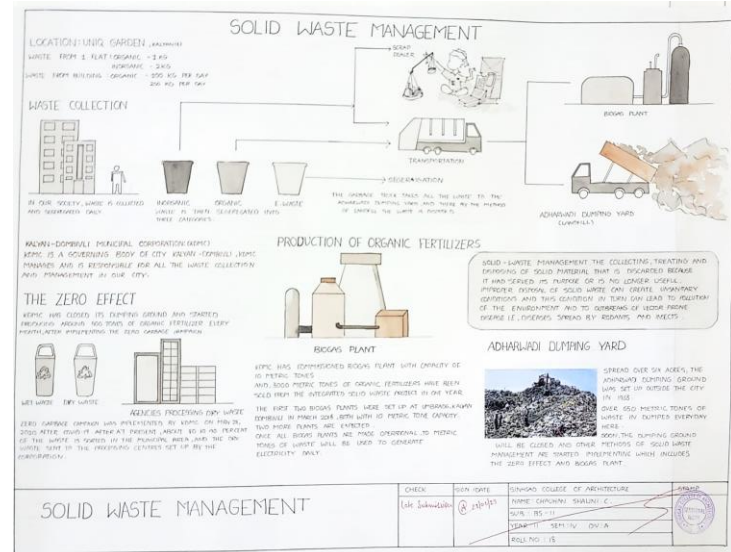
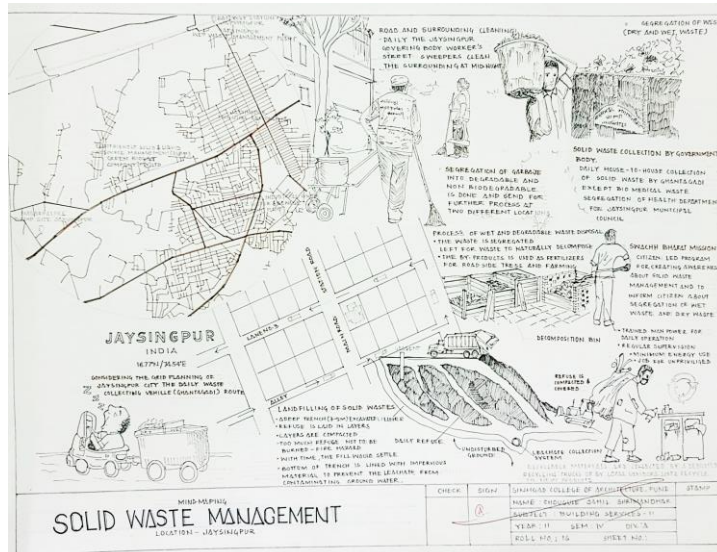
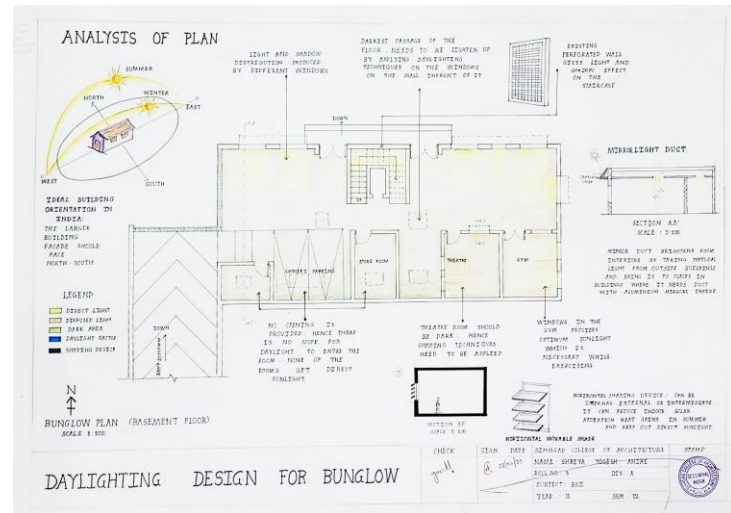
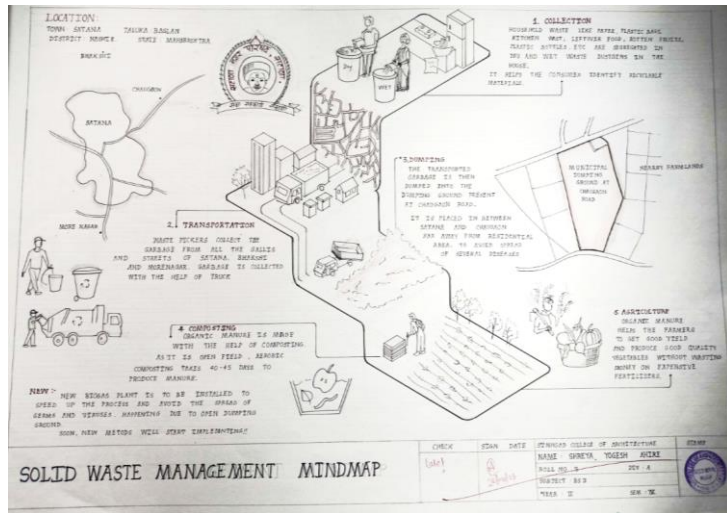


Sports Academy at Chandigarh - Aditya Wadkar



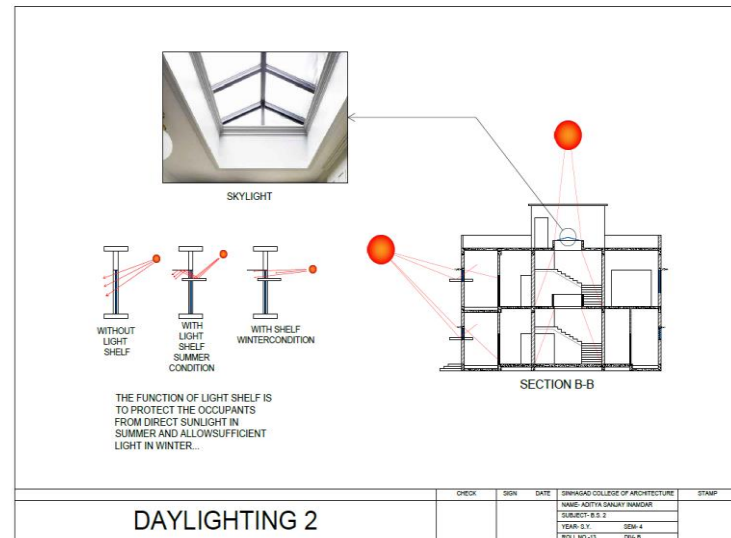
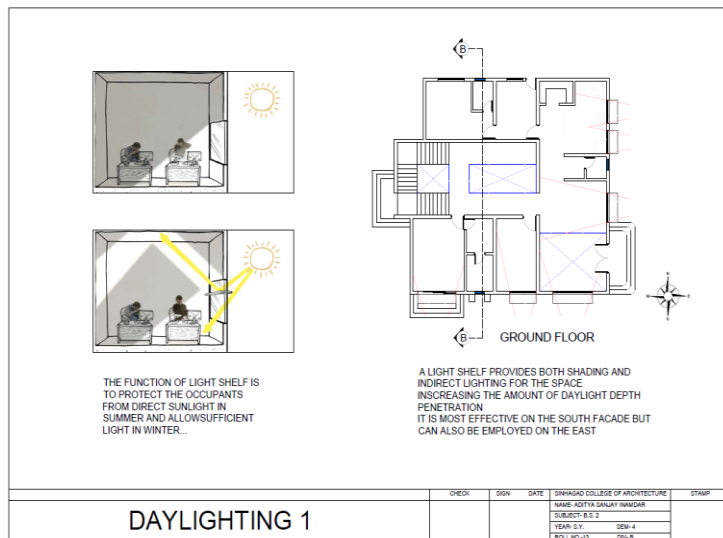
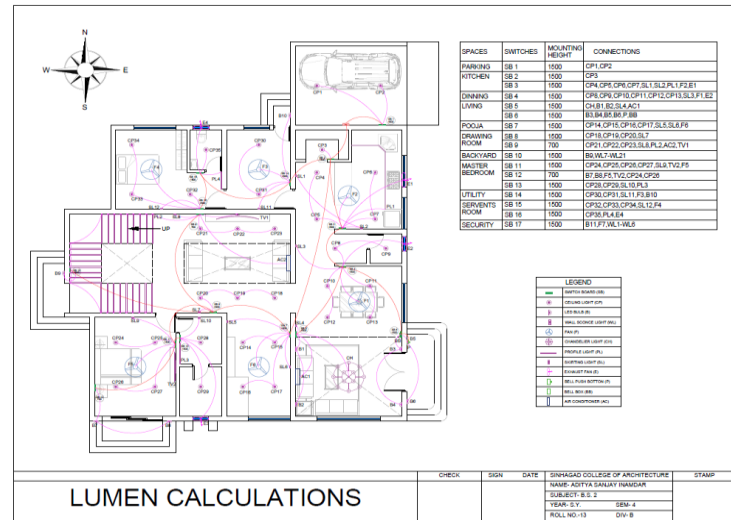
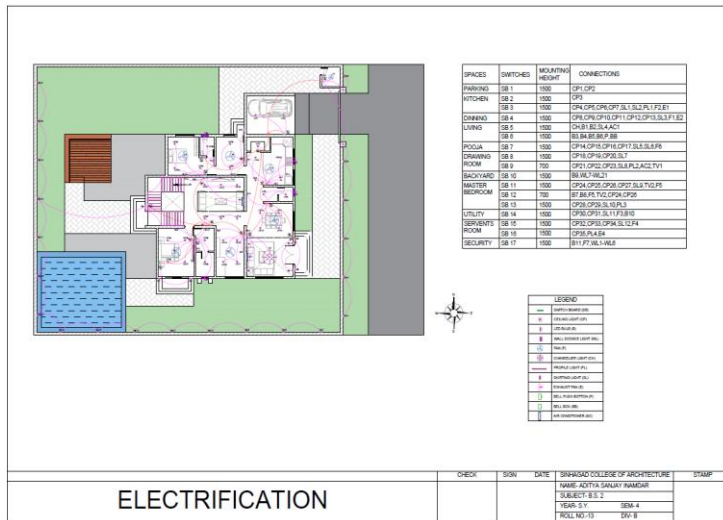
Second Year BS II

Shreya Ahire , Sahil Chougule, Shalini Chauhan



Second Year BS-II

Aditya Inamdar



The architectural drawings illustrate a daylighting system for a building interior. The main section, labeled "SECTION A-A'", shows a cross-section of a room with a sloped roof. Sunlight rays are shown entering through three types of skylights: a "FLARED SKYLIGHT" on the left, a "PYRAMIDAL SKYLIGHT" in the center, and a "FLARED SKYLIGHT" on the right. A legend indicates that red dots represent "SUNSHINE SPOT" and orange dots represent "DIFFUSE RAY".

To the right of the main section are four smaller diagrams showing different views or details of the skylight installation:

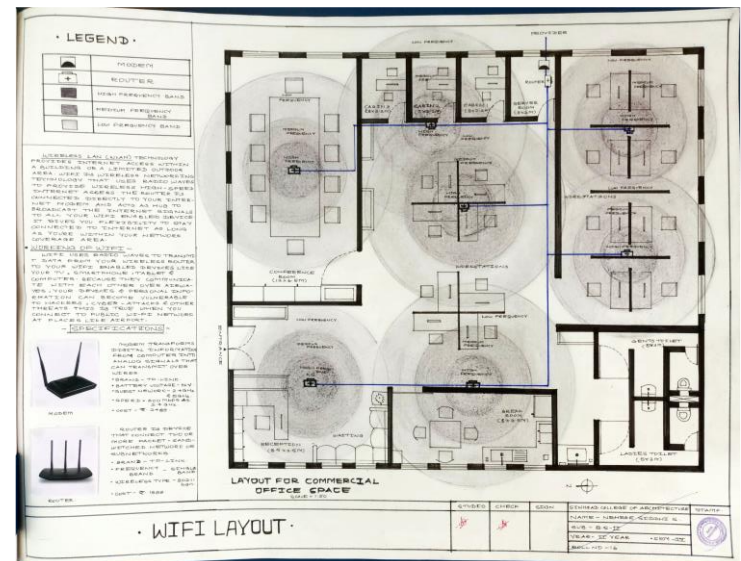
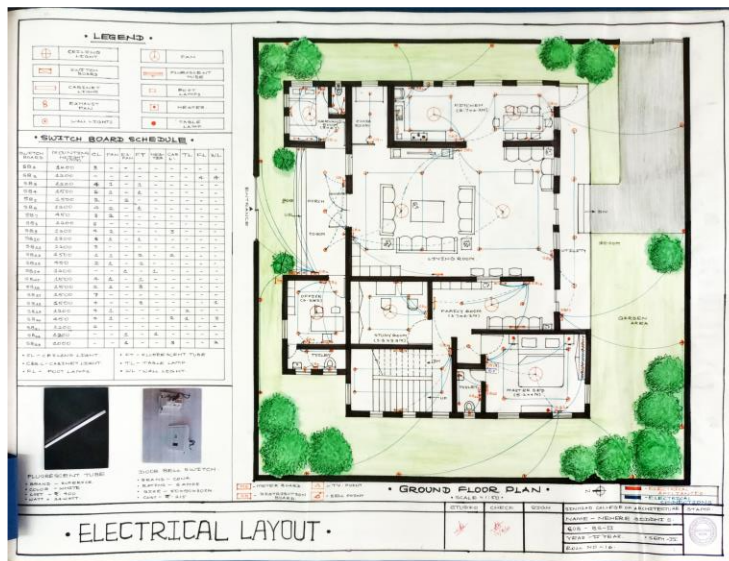
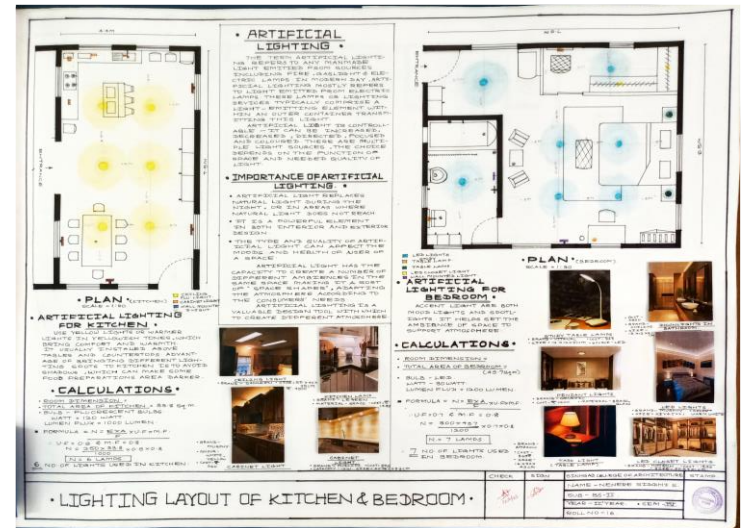
- "PYRAMIDAL SKYLIGHT": Shows a top-down view of the pyramidal skylight.
- "FLARED SKYLIGHT": Shows a side view of the flared skylight.
- "LIGHT SHELF": Shows a detail of the light shelf installed under the skylight.
- "PYRAMIDAL SKYLIGHT DETAIL": Shows a detailed cross-section of the pyramidal skylight assembly, including labels for "GLASS PANEL", "FRAME", "GASKET", "INSULATION", and "ROOF STRUCTURE".

Below the main section are two more details:

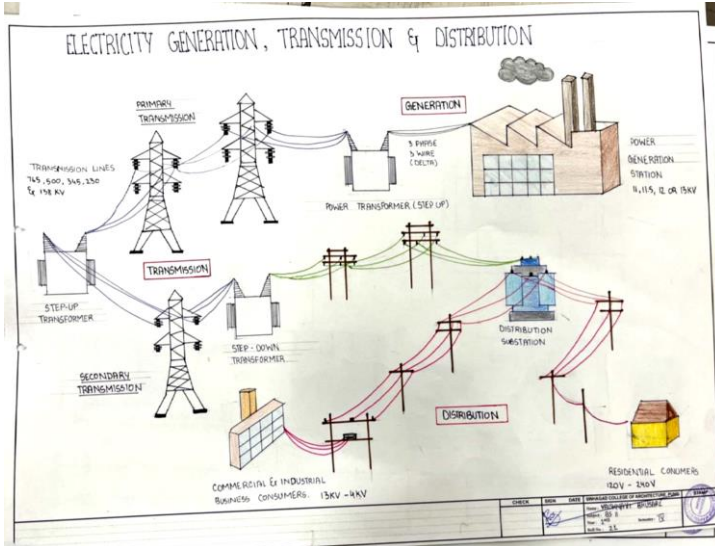
- "LIGHT SHELF DETAIL": Shows a detail of the light shelf, including labels for "LIGHT SHELF", "GLASS PANEL", "FRAME", "GASKET", and "INSULATION".
- "FLARED SKYLIGHT DETAIL": Shows a detail of the flared skylight, including labels for "FLARED SKYLIGHT", "GLASS PANEL", "FRAME", "GASKET", and "INSULATION".

At the bottom of the page is a title block with the following information:

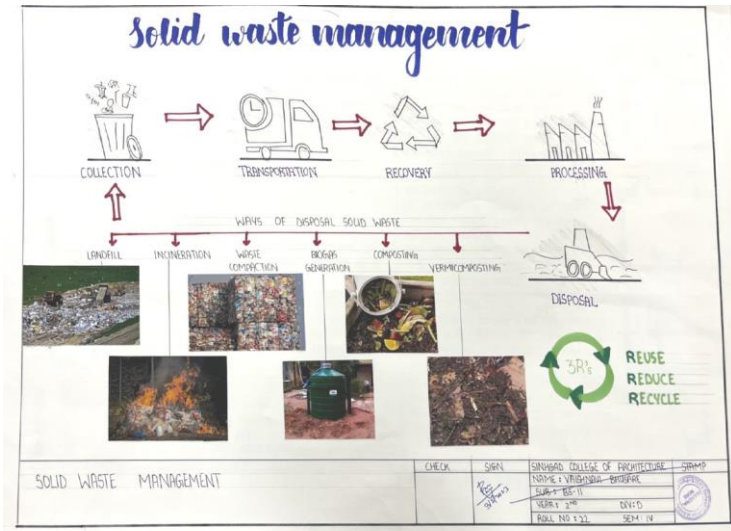
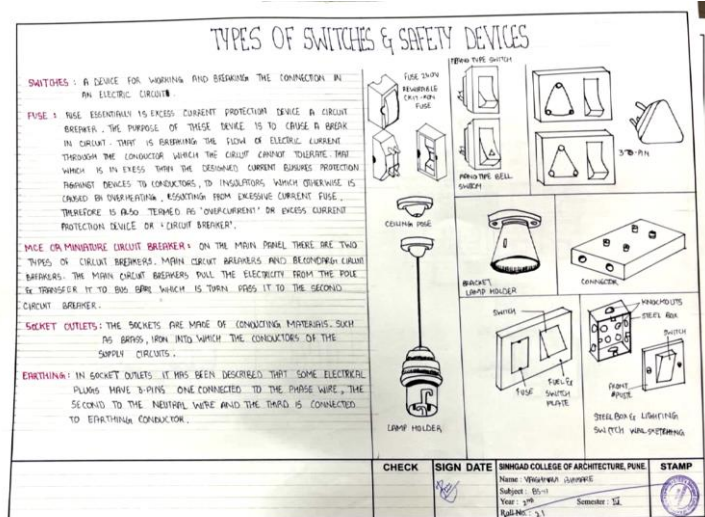
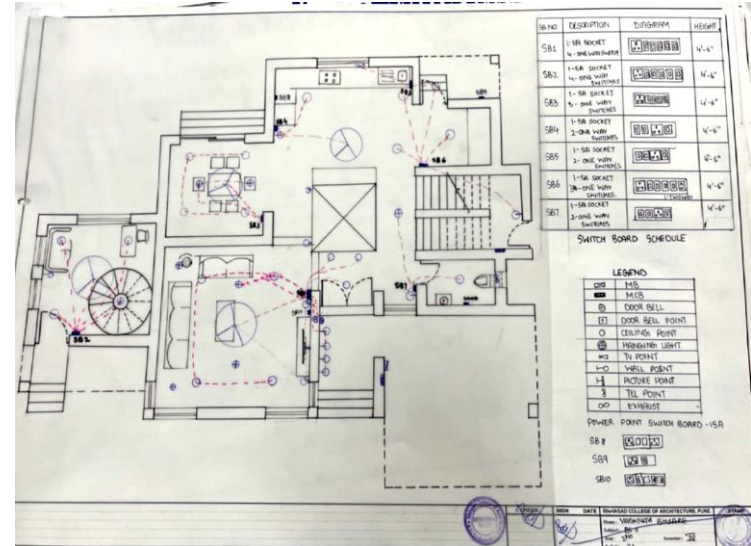
DAYLIGHTING	CHECK	REVIEW	APPROVED FOR CONSTRUCTION OF ARCHITECTURE	DATE
	<i>[Signature]</i>	<i>[Signature]</i>	NAME - JAMES H. ROBERTS, C.E.	DATE - 8-1-60
			SCALE - 1/4" = 1'-0"	PROJECT NO. - 1000-100
			REVISIONS	



Second Year BS II



Vaishnavi Bhusare



Second Year EVS

Sahil Chougule

POLLUTION
POLLUTION IS THE INTRODUCTION OF SUBSTANCE(S) OR ENERGY THAT CAUSES ADVERSE CHANGES IN THE ENVIRONMENT.

TYPES OF POLLUTION

THERE ARE DIFFERENT TYPES OF POLLUTION, WHICH ARE EITHER CAUSED BY NATURAL EVENT (LIKE FOREST FIRES) OR BY MAN-MADE ACTIVITIES (LIKE CARS, FACTORIES, NUCLEAR WASTES, ETC). THESE ARE FURTHER CLASSIFIED INTO FOLLOWING TYPES OF POLLUTION: AIR POLLUTION, WATER POLLUTION, SOIL POLLUTION, AND NOISE POLLUTION.

BEYOND THESE 4 TYPES OF POLLUTION, OTHER EXIST SUCH AS LIGHT POLLUTION, THERMAL POLLUTION AND RADIOACTIVE POLLUTION.

AIR POLLUTION
AIR POLLUTION RESULTS FROM THE RELEASE OF HARMFUL CONTAMINANTS (CHEMICALS, TRACE GASES, PARTICULATES, BIOLOGICAL AGENTS, ETC.) INTO THE EARTH'S ATMOSPHERE. THESE CONTAMINANTS ARE EITHER DETRIMENTAL AND IN SOME CASES, POOR SURFACE HEALTH TOXINS. BEING CAUSED BY FACTORIES, TRUCKS, BOATS, ETC.

WATER POLLUTION
WATER POLLUTION OCCURS WHEN SOME POLLUTANTS AND PARTICULATE MATTER ARE INTRODUCED INTO WATER BODIES SUCH AS LAKES, RIVERS AND OCEANS. THESE CONTAMINANTS ARE GENERALLY INTRODUCED BY HUMAN ACTIVITIES, LIKE DUMPING, SPILLAGE, TREATMENT AND OIL SPILLS.

SOIL POLLUTION
SOIL POLLUTION, ALSO CALLED AS SOIL CONTAMINATION, REFERS TO THE DEGRADATION OF LAND DUE TO THE PRESENCE OF CHEMICALS OR OTHER, MAN-MADE SUBSTANCES IN SOIL. THE NATURE'S SUBSTRATES ALTER. THE NATURAL (COMPOSITION) OF SOIL AND AFFECT IT. THE CAUSES OF SOIL POLLUTION ARE:
• FERTILISERS, INSECTICIDES, WHITE SPILLS
• OIL SPILLS
• ACID RAIN, WHICH IS CAUSED BY AIR POLLUTION
• MINING ACTIVITIES
• INTENSIVE TAPPING AND AGROCHEMICALS
• INDUSTRIAL ACTIVITIES

NOISE POLLUTION
NOISE POLLUTION REFERS TO THE EXCESSIVE AMOUNT OF NOISE IN THE SURROUNDING THAT DISTURBS THE NATURAL BALANCE. USUALLY, IT IS MADE, UNDER CERTAIN NATURAL CAUSE'S LIKE VOLCANOES CAN CONTRIBUTE TO NOISE POLLUTION. CAUSES OF NOISE POLLUTION ARE:
• INDUSTRIAL, DOMESTIC NOISE
• TRANSPORTATION NOISE
• CONSTRUCTION NOISE
• NOISE FROM SOCIAL EVENTS, HOUSEHOLD NOISES

SOIL POLLUTION

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YEAR: II SEM: IV DIV: A
ROLL NO: 16 SHEET NO: 1

SOIL POLLUTION

SOIL POLLUTION IS THE CONTAMINATION OF SOIL BY HARMFUL SUBSTANCES. IT CAN BE CAUSED BY NATURAL EVENTS OR BY HUMAN ACTIVITIES. THE CAUSES OF SOIL POLLUTION ARE:
• FERTILISERS, INSECTICIDES, WHITE SPILLS
• OIL SPILLS
• ACID RAIN, WHICH IS CAUSED BY AIR POLLUTION
• MINING ACTIVITIES
• INTENSIVE TAPPING AND AGROCHEMICALS
• INDUSTRIAL ACTIVITIES

SOIL POLLUTION CAN BE PREVENTED BY:
• USING ORGANIC FERTILISERS
• PROTECTING SOIL FROM EROSION
• REDUCING THE USE OF PESTICIDES
• PLANTING TREES AND SHRUBS
• USING BIOLOGICAL PESTICIDES
• USING BIOLOGICAL FERTILISERS

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WATER POLLUTION

EFFECTS OF WATER POLLUTION

- DESTRUCTION OF BIODIVERSITY
- CONTAMINATION OF THE FOOD CHAIN
- LACK OF FRESH WATER
- HEALTH PROBLEMS
- INHABIT MORTALITY
- CULTURAL VALUES
- HUMAN HEALTH
- AQUATIC ECOSYSTEMS

CAUSES OF WATER POLLUTION

- INDUSTRIAL WASTE
- DOMESTIC WASTE
- AGRICULTURAL WASTE
- MINING WASTE
- FERTILISERS AND PESTICIDES
- OIL SPILLS
- ACID RAIN
- NUCLEAR WASTE
- THERMAL POLLUTION
- RADIOACTIVE POLLUTION

HOW TO PROTECT YOURSELF

- AVOID DRINKING POLLUTED WATER
- AVOID EATING POLLUTED FOOD
- AVOID BREATHING POLLUTED AIR
- AVOID SWIMMING IN POLLUTED WATER
- AVOID USING POLLUTED TOILET
- AVOID USING POLLUTED CLOTHING
- AVOID USING POLLUTED COSMETICS
- AVOID USING POLLUTED MEDICINES
- AVOID USING POLLUTED TOYS
- AVOID USING POLLUTED BOOKS
- AVOID USING POLLUTED PAPER
- AVOID USING POLLUTED GLASS
- AVOID USING POLLUTED CERAMICS
- AVOID USING POLLUTED METALS
- AVOID USING POLLUTED PLASTICS
- AVOID USING POLLUTED RUBBER
- AVOID USING POLLUTED LEATHER
- AVOID USING POLLUTED WOOD
- AVOID USING POLLUTED STONE
- AVOID USING POLLUTED BRICKS
- AVOID USING POLLUTED CEMENT
- AVOID USING POLLUTED SAND
- AVOID USING POLLUTED GRAVEL
- AVOID USING POLLUTED ASPHALT
- AVOID USING POLLUTED PAINTS
- AVOID USING POLLUTED INKS
- AVOID USING POLLUTED GLUES
- AVOID USING POLLUTED ADHESIVES
- AVOID USING POLLUTED SEALANTS
- AVOID USING POLLUTED COATINGS
- AVOID USING POLLUTED FINISHES
- AVOID USING POLLUTED TREATMENTS
- AVOID USING POLLUTED MAINTENANCE
- AVOID USING POLLUTED REPAIRS
- AVOID USING POLLUTED REPLACEMENTS
- AVOID USING POLLUTED UPGRADES
- AVOID USING POLLUTED MODIFICATIONS
- AVOID USING POLLUTED ALTERATIONS
- AVOID USING POLLUTED ENHANCEMENTS
- AVOID USING POLLUTED IMPROVEMENTS
- AVOID USING POLLUTED OPTIMIZATIONS
- AVOID USING POLLUTED MAXIMIZATIONS
- AVOID USING POLLUTED MINIMIZATIONS
- AVOID USING POLLUTED BALANCING
- AVOID USING POLLUTED HARMONIZING
- AVOID USING POLLUTED COORDINATING
- AVOID USING POLLUTED COMBINING
- AVOID USING POLLUTED JOINING
- AVOID USING POLLUTED CONNECTING
- AVOID USING POLLUTED RELATING
- AVOID USING POLLUTED ASSOCIATING
- AVOID USING POLLUTED CORRELATING
- AVOID USING POLLUTED CONTRASTING
- AVOID USING POLLUTED COMPLEMENTING
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AIR POLLUTION

EFFECTS OF AIR POLLUTION

- DESTRUCTION OF BIODIVERSITY
- CONTAMINATION OF THE FOOD CHAIN
- LACK OF FRESH WATER
- HEALTH PROBLEMS
- INHABIT MORTALITY
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SUBJECT: ENVIRONMENTAL SCIENCE
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ROLL NO: 16 SHEET NO: 1

Second Year EVS

Yashashree Gawali

FOOD

DEFINITION
- SUBSTANCES THAT NUTRIENTS, MINERALS AND OTHER MOLECULES BEING EAT FOR VITAL SURVIVAL.

FUNCTION
- PROVIDE ENERGY
- NUTRITIONAL INFO
- STIMULATE GROWTH

AGRICULTURE - PROCESS
PLANTING → SOWING → MANURING → TENDING → WEEDING → HARVESTING → STORAGE

CLASSIFICATION OF FOOD
- UNPROCESSED FOOD
- PROCESSED FOOD
- ULTRA PROCESSED FOOD

HEALTHY VS UNHEALTHY
- EAT FOOD WITH HEALTHY PROPERTIES
- HEALTH IS WEALTH

FOOD CHAIN
2% FRUIT AND VEGETABLE
33% FOOD AND DRINK
33% MEAT, BREAD, RICE
32% MEAT, EGGS AND FISH

FOOD CHART

SOIL TYPES
25% BLACK SOIL
28% RED SOIL
22% ALLUVIAL SOIL
6% FOREST SOIL
9% LAKSHMI SOIL
2% SALINE SOIL

EFFECT OF CLIMATE CHANGE
- URBAN TECHNOLOGY
- OVER-IRRIGATION
- OVER-PLANTING
- OVER-USE OF PESTICIDES
- OVER-USE OF FERTILIZERS
- OVER-USE OF WATER

DO NOT WASTE FOOD

FOOD IS A NATURAL RESOURCE

CHECK	SIGN	SINHGAD COLLEGE OF ARCHITECTURE, PUNE	STAMP
		NAME: YASHASHREE GAWALI	
		SUB: ES	
		YEAR: 5Y	
		SEM: IV	
		ROLL NO: 05	

ABOUT:
- BUILDING: CASE 37 KANPUR
- LOCATION: KANPUR, INDIA
- DIST: UP: 2000 SQ KM
- ARCHITECT: RAJESH KUMAR AND CHANDRA ARCHITECTS AND PLANNERS
- SIGNIFICANCE: 18 STAR GREEN RATING, [2008]
- YEAR: 2009. ANNEK GREEN: 18.5 UGC.

KEY HIGHLIGHTS

GLASS SOLUTION
- HIGH LIGHT TRANSMISSION ALLOWING NATURAL DAYLIGHTING
- SAINT GOBIN'S ADVANCED THERMAL INSULATION LOW-E GLASS 6MM PLANTHERM MINT GREEN WITH 120MM AIR GAP TO AVE A LOW SOLAR FACTOR AND U-VALUE

OPTIMIZATION
- ENVELOPE OPENINGS DESIGNED AS PER SUNPATH ANALYSIS 20% WINDOW
- LIGHTING WINDOW DESIGN AND SHADE DEVICE ACHIEVE 60% FREE NATURAL LIGHT
- HVAC MATERIALS: CASTLY WALL WITH INSULATION, INSULATED AND SHIMED ROOF

COOLING STRATEGIES:
- EVAPORATION IS DECREASED WITH WATER BUCKET WHICH COOLS THE HOT AIR

SHADING DEVICE
- SHADING TRUCK FOR SHADING ROOF
- EXISTING TREES ACTING AS NATURAL SHADING DEVICE
- WALLS LECTURE HALLS
- SHADING DEVICE
- SHADING TRUCK FOR SHADING ROOF
- EXISTING TREES ACTING AS NATURAL SHADING DEVICE
- WALLS LECTURE HALLS
- SHADING DEVICE

GREEN BUILDING: IIT KANPUR

CHECK	SIGN	SINHGAD COLLEGE OF ARCHITECTURE, PUNE	STAMP
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		SUB: ES	
		YEAR: 5Y	
		SEM: IV	
		ROLL NO: 05	

LOCATION IN INDIA

- ONE TYPE OF CONIFEROUS FOREST, THE NORTHERN BOREAL FOREST, IS FOUND IN 50° TO 60° N LATITUDE.
- CONIFEROUS FOREST, VEGETATION COMPOSED PRIMARILY OF CONE-BEARING NEEDLE-LEAVED OR SCALD-LEAVED EVERGREEN TREES, FOUND IN AREAS THAT HAVE LONG WINTERS AND MODERATE TO HIGH ANNUAL PRECIPITATION.

THREATS
- THESE FORESTS ARE THREATENED BY DEFORESTATION FOR LAND DEVELOPMENT.
- THE RESULT IS A LOSS OF HABITAT AND LACK OF BIODIVERSITY

CONIFEROUS FOREST

ECOSYSTEM
CONIFEROUS FOREST:

INDIA MAP

THE EASTERN HIMALAYAN SUBALPINE CONIFER FORESTS IS A TEMPERATE CONIFEROUS FOREST ECOSYSTEM WHICH IS FOUND IN THE MIDDLE AND UPPER ELEVATIONS OF EASTERN MIDDLE HIMALAYAS, IN WESTERN NEPAL, BHUTAN, NORTHERN INDIA, ARUNACHAL PRADESH, SIKKIM.

TREES MAKING CONIFEROUS FORESTS:
SPRUCE, PINE, FIR, HEMLOCK, LARCH, CEDAR, CYPRRESS, JUNIPER TREES.

ANIMALS MAKING HABITAT HERE:
MOOSE, DEER, REINDEER, CARIBOU, MICE AND SQUIRRELS.

CHECK	SIGN	SINHGAD COLLEGE OF ARCHITECTURE, PUNE	STAMP
		NAME: YASHASHREE GAWALI	
		SUB: ES	
		YEAR: 5Y	
		SEM: IV	
		ROLL NO: 05	

BOBAB TREE
ENDANGERED

BOBAB TREE
- BOBABIA DENDRA L. BELONGS TO THE BOMBACEACE FAMILY AND IS GENERALLY KNOWN AS THE AFRICAN BOBAB. ALSO CALLED "KALPARKISHA" IN INDIA AND HAS MYTHOLOGICAL SIGNIFICANCE.
- THE SPECIES FACES SURVIVAL CRISIS AND USED AS ENDANGERED SPECIES IN THE RED DATA BOOK.

SIROI LILY
RARE

SIROI LILY
- FOUND IN UPPER REACHES OF THE GIRDI HILL RANGES IN MANIPUR.
- GROWS AT HEIGHT OF ABOUT 8500 FT ABOVE SEA LEVEL.
- DECLARED AS STATE FLOWER OF MANIPUR.
- MEDICINAL USE: ANTI-BACTERIAL, ANTI-ANTHELMINTIC

CORK

CORK
- SCIENTIFIC NAME: QUERCUS SUBER
- SIZES: 18-25 M (HEIGHT) 7-11 M (SPREAD)
- LIFESPAN: 40 YEARS
- BLOOMS AT NIGHT AND SHEDS IN MORNING
- EVERGREEN WITH FLOWERS GIVING PLEASANT SMELL

MENGISZE BALSAM

MENGISZE BALSAM
- THE BRAGMACEAE ARE A FAMILY OF DICOTYLEDONOUS PLANTS COMPRISING: IMPATIENS AND HYDROCEA.
- FLOWERING MAY BE ANNUAL OR PERENNIAL.
- TRADITIONAL REMEDIES FOR DISEASE AND SKIN AFFECTIONS
- IT IS NOT POISONOUS.

CHECK	SIGN	SINHGAD COLLEGE OF ARCHITECTURE, PUNE	STAMP
		NAME: YASHASHREE GAWALI	
		SUB: ES	
		YEAR: 5Y	
		SEM: IV	
		ROLL NO: 05	

[illegible]

PREVAILING WIND DIRECTION IS WESTERLY

SUMMER SUN PATH

WINTER SUN PATH

- MAXIMUM DAYLIGHT
- NATURAL VENTILATION
- PASSIVE DESIGN FOR THERMAL COMFORT
- FUNCTIONALLY EFFECTIVE
- ENERGY USE REDUCED

SITE SLOPE TOWARDS THE SOUTH.

PLAINS BASED ON NATURAL GROUND LEVELS & SLOPES TO MINIMIZE CUTTING & FILLING.

NATURAL GENTLE SLOPE IS USED FOR TWO & FOUR WHEELER PARKING.

- SEPARATE UTILITY CORRIDOR IS ASSIGNED FOR ALL SERVICES
- VEHICULAR & PEDESTRIAN MOVEMENT IS SEGREGATED
- VEHICULAR MOVEMENT IS UNIDIRECTIONAL
- PEDESTRIAN MOVEMENT IS MINIMUM AS THE MAIN ENTRY IS CLOSE TO ENTRANCE DOOR & SEPARATE PATHWAY IS ALLOCATED

- * IMPERVIOUSNESS OF SITE IS WITHIN THE LIMITS PRESCRIBED BY NBC.
- NET PAVED AREA IS NOT MORE THAN 25% OF SITE.
- LUMINOUS EFFICIENCY ACHIEVED IN OUTDOOR LIGHTING.
- THUS REDUCING ON HEAT ISLAND EFFECT & ALSO REDUCING NIGHT POLLUTION.

[illegible]

AN AIR POLLUTANT IS A SUBSTANCE IN AIR THAT CAN HAVE ADVERSE EFFECT ON HUMANS & ECOSYSTEM. THE SUBSTANCE CAN BE SOLID PARTICLES, LIQUID PARTICLES OR GASES. AN AIR POLLUTANT CAN BE NATURAL ORIGIN OR MAN-MADE.

IN DELHI, AIR POLLUTION IS ONE OF MOST CRITICAL PROBLEMS BEING FACED BY PUBLIC AND CONCERNED AUTHORITIES. ACCORDING TO WHO, DELHI IS FOURTH MOST POLLUTED CITY IN WORLD IN TERMS OF SUSPENDED PARTICULATE MATTERS (SPM).

AIR POLLUTION IS HIGH DUE -

- PHENOMENON OCCURS IN NUMBER OF MOTTER VEHICLES (65%)
- INDUSTRIAL CLUSTERS (DEHRA DOWRY UNIT, OTHER INDUSTRIES, ETC.)

CAUSES OF POLLUTION:

- 1. GEOGRAPHICAL LOCATION:**
 - DELHI LIES LOCATED BETWEEN STAYS OF HARYANA, KASHMIR & PUNJAB AS WELL AS NEARLY IN NORTH
 - ALTITUDE OF DELHI IS SLIGHTLY LOWER THAN SURROUNDING STATES
- 2. VEHICLES:**
 - DELHI HAS 120 HIGHER NUMBER OF REGISTERED VEHICLES
 - TRUCKS GENERATE 17, TWO WHEELER 17, THREE WHEELER 15, CAR & BUSES 8 & MOTORCYCLES 17.
- 3. CROP BURNING:**
 - BURNING HARVEST SEEDS, LEFTOVER STALK & STRAW FROM RICE, WHEAT HARVESTING ARE BURNED OVER SEVERAL HECTARES IN PUNJAB
 - APPROX. 30 MILLION TON OF STRAW & STUBBLES ARE BURNED
- 4. WINTER STORM:**
 - DURING AUTUMN, HOT & DRY WINDS BLOW FROM THAT DRYERY FROM WEST REGION
- 5. CONSTRUCTION:**
 - ACCORDING TO DELHI POLLUTION CONTROL BOARD, 80% OF AIR POLLUTION IS CAUSED BY CONSTRUCTION
 - NCR REGION HAVE NEARLY 100 CONSTRUCTION SITES AS FUEL
- 6. POWER PLANT & INDUSTRIES:**
 - THERE ARE SEVERAL INDUSTRIAL CLUSTERS AROUND DELHI - NCR
 - DELHI NCR, INDUSTRIAL POLLUTION CONTRIBUTES TO AROUND 10% OF AMBIENT AIR POLLUTION LOAD

AIR POLLUTION

CAUSES OF POLLUTION

- AIR POLLUTANT CAN IMPAIR COGNITIVE DEVELOPMENT
- IT ASSOCIATED WITH INCREASED STROKE RISK
- IT KILL AROUND 600000 CHILDREN UNDER 5 YRS AGE EVERY YEAR
- HIGH PREVALENCE OF SYMPTOMS OF CHRONIC BRONCHITIS IN AREA WITH HIGH PARTICULATE AIR POLLUTION
- POLLUTANTS ARE GREENHOUSE GASES AND THEY LEAD TO GLOBAL WARMING
- BURNING FOSSIL FUELS RELEASES CARBON DIOXIDE WHICH HAS RESIDENT IMPACT ON GLOBAL WARMING
- IT SEVERELY AFFECT HUMAN HEALTH, LOW BIRTH WEIGHT IN CHILDREN, TB, ASTHMA, ESOPHAGEAL HEART DISEASE, NASOPHARYNGEAL & LARYNGEAL CANCER, CATARACTS, ETC.
- DELHI AIR POLLUTION CAN WORSEN THE EXISTING ASTHMA CONDITION IN PEOPLE AND INCREASE NO. OF ATTACKS
- BRONCHITIS AND PARTICULATE POLLUTION CAN LEAD INCREASE ASTHMA ATTACKS
- LUNG CANCER, INCREASED AIR POLLUTION LEVELS INCREASES RISK OF LUNG AND CERVICAL CERVICAL AND CANCER OF MOUTH & THROAT
- OTHER DEADLY DISEASES, LONG TERM EXPOSURE TO POLLUTANTS CAN LEAD TO CHRONIC BRONCHITIS & PULMONARY TUBERCULOSIS OR COPD

STEPS TAKEN TO CONTROL AIR POLLUTION

- THE MINISTRY OF ENVIRONMENT CHANGE NOTIFIED GRATED REDUCED ACTION PLAN (GRAP), IN DELHI
- CONSTRUCTION & DEMOLITION (CD) WASTE MANAGEMENT RULES HAVE BEEN NOTIFIED
- DELHI GOVT. HAS INTRODUCED RED LIGHT ON, GRASS OF CAMPAIGN INITIATIVE BY DELHI GOVERNMENT THAT RUN OFF THE ROAD WITH HIGH DUST AND VEHICLES WERE URGED TO SWITCH TO GREEN LIGHT ON, GRASS LIGHTING
- THE GOVT. EVEN LAID A PROHIBITION TO UNLAWFUL VEHICLES TO SWITCH TO UNLAWFUL VEHICLES WITH CDD & EVEN REGISTRATION NUMBERS WOULD RUN ON ROAD ON ALTERNATE DAYS THAT PARTICULARLY AIMED AT REDUCING SMOG IN REGION
- MASS-RATED TRANSPORT SYSTEM (MRTS), IS BEING BUILT AS MEANS TO REDUCE CONFLICT WITH NON-POLLUTANT ALTERNATE SOURCE OF TRANSPORTATION
- THE ADOPTION OF BIOMETHANE VEHICLES, 4000 BUILT BEING 60 WHITE ELECTRIC

Second Year EVS

ENVIRONMENTAL ISSUE : MINING

CHECK	SIGN	SINHGAD COLLEGE OF ARCH. PUNE	STAMP
Good!	[Signature]	NAME : MRUDULA M. WAGHMARE SUB : EVS YEAR : IInd SEM : IInd ROLL NO. : 24	

Mrudula Waghmare

2. WHAT IS THE NATURE OF THE ECOSYSTEM? WHAT IS ITS STRUCTURE AND ITS FUNCTIONS? [AQUATIC ECOSYSTEM]

AQUATIC ECOSYSTEM

NATURE OF AQUATIC ECOSYSTEM

- AN AQUATIC ECOSYSTEM INCLUDES FRESHWATER HABITATS LIKE LAKES, PONDS, RIVERS, OCEANS AND STREAMS, WETLANDS, SWAMP, ETC. AND MARINE HABITATS INCLUDE OCEANS, INTERTIDAL ZONE, REEFS, SEABED AND SO ON.

FUNCTIONS.

- AQUATIC ECOSYSTEM PERFORM MANY IMPORTANT ENVIRONMENTAL FUNCTION.
- THEY RECYCLE NUTRIENTS, PURIFY WATER, RECHARGE GROUND WATER AND PROVIDE HABITATS FOR WILDLIFE.
- AQUATIC ECOSYSTEM ARE ALSO USED FOR HUM. - AN REACTION, AND ARE VERY IMP TO THE TOURISM INDUSTRY

AQUATIC ECOSYSTEM

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	[Signature]	NAME : MRUDULA M. WAGHMARE SUB : EVS YEAR : IInd SEM : IInd ROLL NO. : 24	

BIODIVERSITY : Endemic Species

• THE ANDAMAN AND NICOBAR ISLANDS.

ANDAMAN WOOD PIGEON

THE ANDAMAN WOOD PIGEON IS A SPECIES OF BIRD IN THE FAMILY COLUMBIDAE. IT IS ENDEMIC TO THE ANDAMAN AND NICOBAR ISLANDS IN INDIA. CLASSIFIED AS "NEAR THREATENED" BY THE IUCN IT'S POPULATION IS 2,500 - 30,000.

NARCONDAM HORNBILL

THE NARCONDAM HORNBILL IS A SMALL HORNBILL AT 66CM LONG. THE SEXES DIFFER IN PLUMAGE. THE SKIN AROUND THE EYE IS BLUSH. THE BILL IS BROWN AND THE FEATHERS OF COQUE IS BROWN.

NICOBAR FLYCATCHER

THE NICOBAR JUNGLE FLYCATCHER IS A SPECIES OF BIRD IN THE OLD WORLD FLYCATCHER FAMILY. IT IS ENDEMIC TO NICOBAR ISLANDS WHERE IT'S NATURAL HABITATS ARE SUBTROPICAL OR TROPICAL MOIST LOWLANDS.

NICOBAR TREESHREW

THE NICOBAR TREESHREW IS A TREESHREW SPECIES WITHIN THE TUPAIIDAE. IT IS ENDEMIC TO THE NICOBAR ISLANDS WHERE IT INHABITS THE ISLANDS RAIN FORESTS. IT IS THREATENED.

ANDAMAN & NICOBAR ISLAND

AQUATIC ECO-SYSTEM

CHECK	SIGN	SINHGAD COLLEGE OF ARCH. PUNE	STAMP
	[Signature]	NAME : MRUDULA M. WAGHMARE SUB : EVS YEAR : IInd SEM : II ROLL NO. : 24	

REVIVING CORAL REEFS

INTERNATIONAL MARINE PROTECTED AREAS

STOP DEEP-SEA FISHING

REDUCING SEA PLASTIC POLLUTION

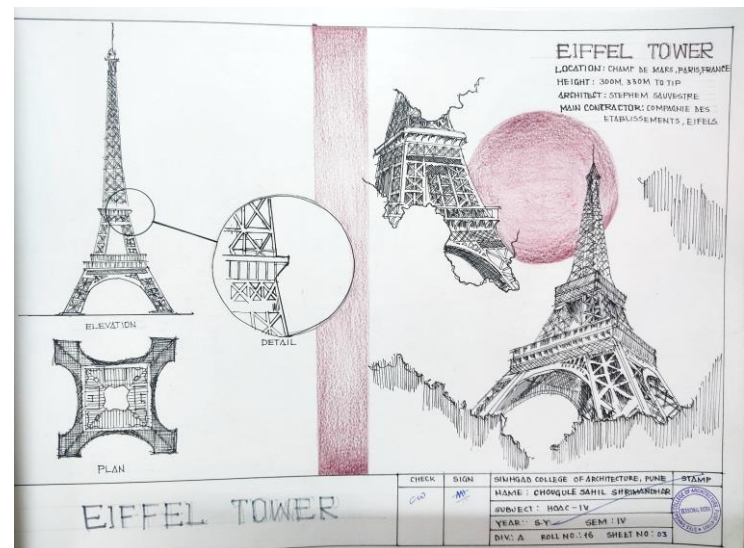
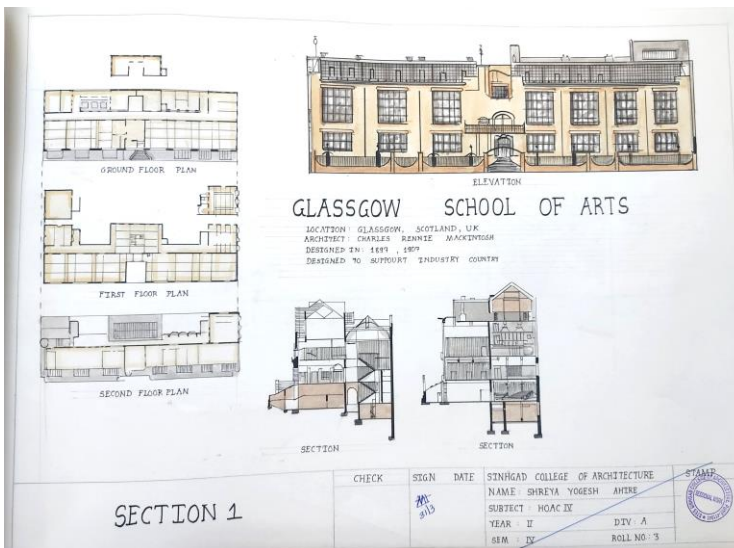
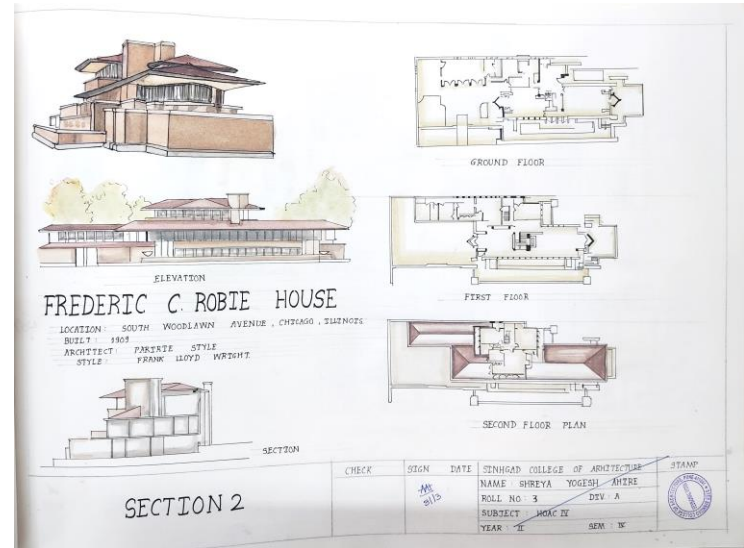
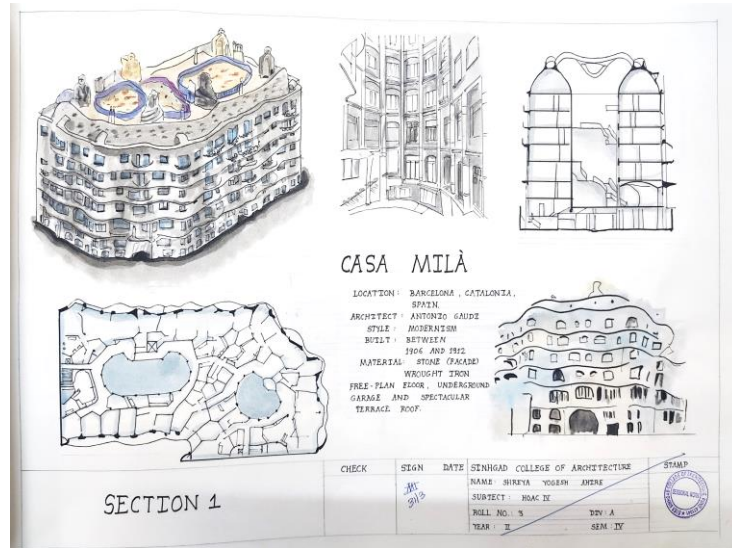
PEOPLE AWARENESS ABOUT CONSERVING AQUATIC LIFE!!

AQUATIC ECO-SYSTEM

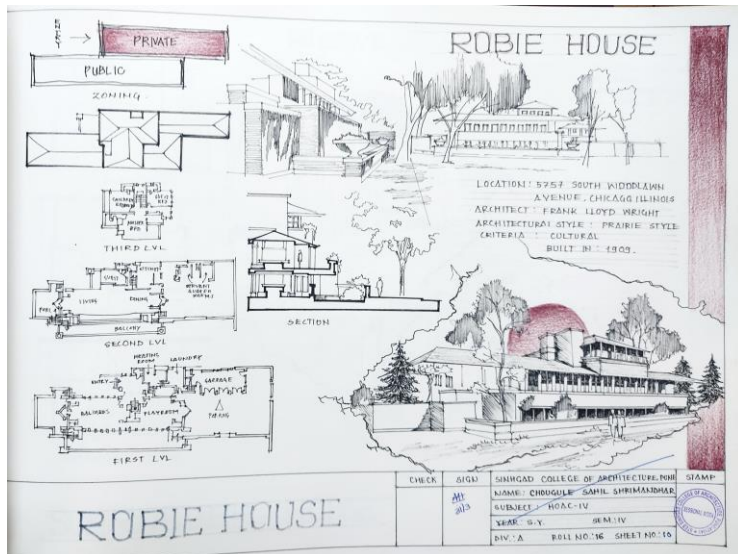
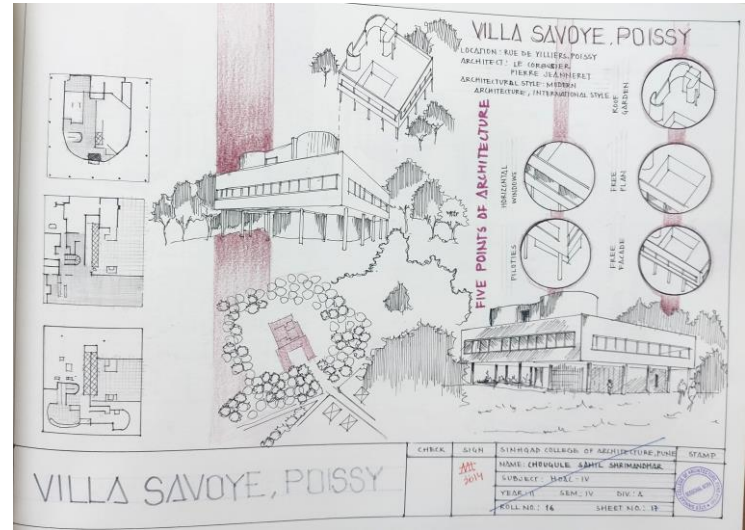
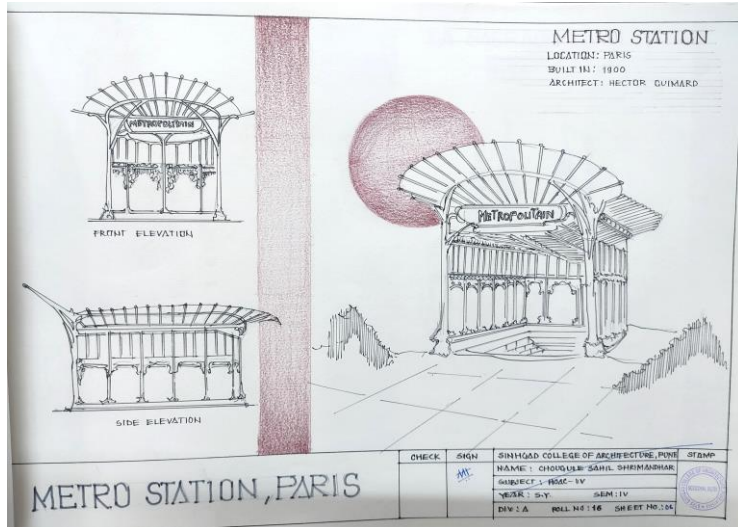
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Second Year HoAC IV

Shreya Ahire, Sahil Chougule

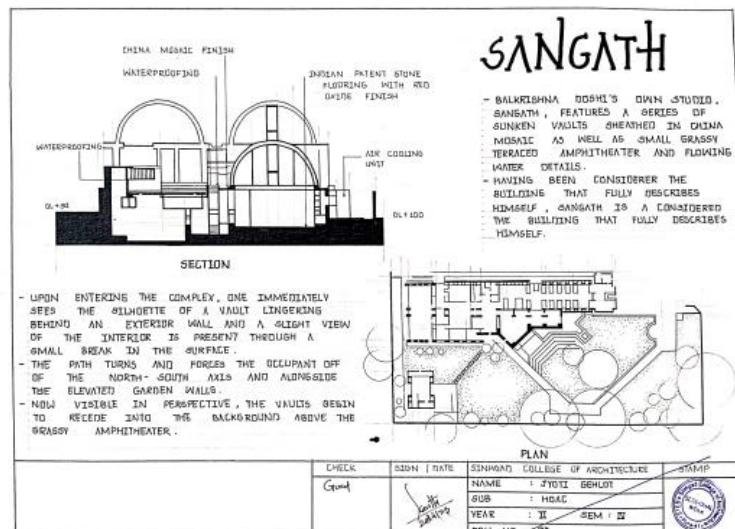
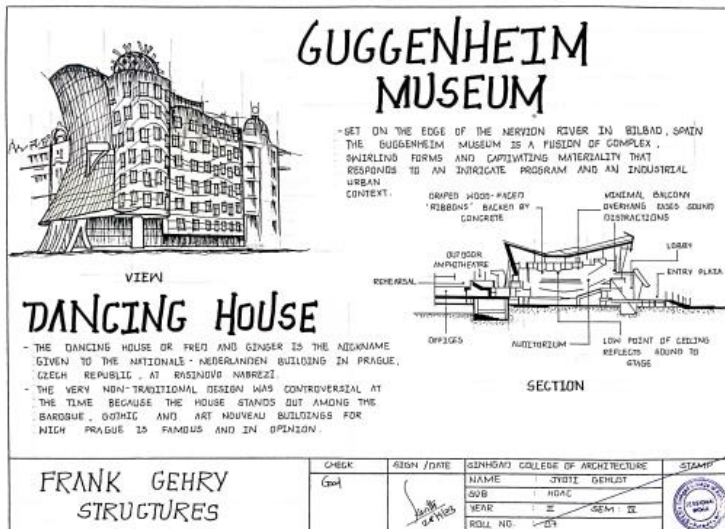
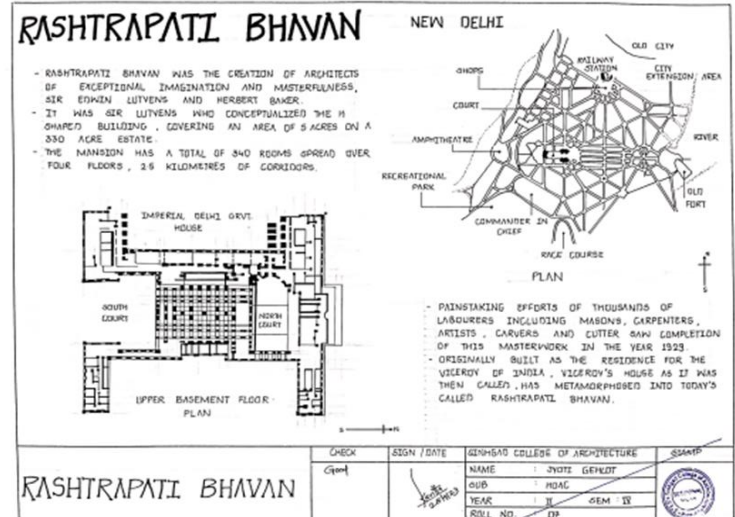
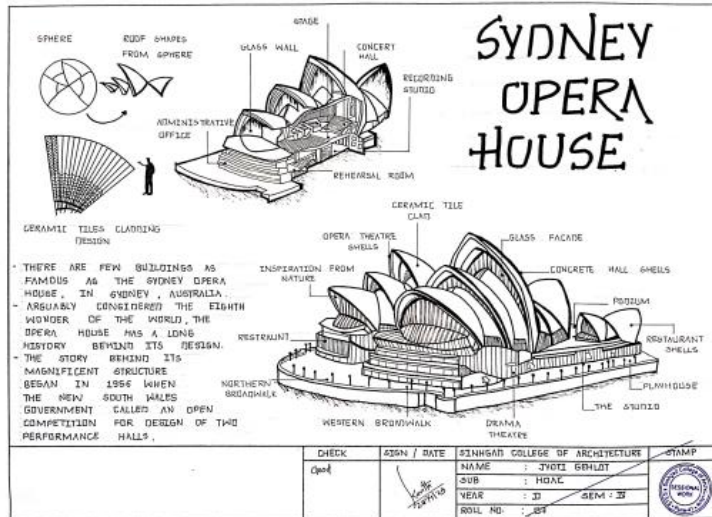


Second Year HoAC IV



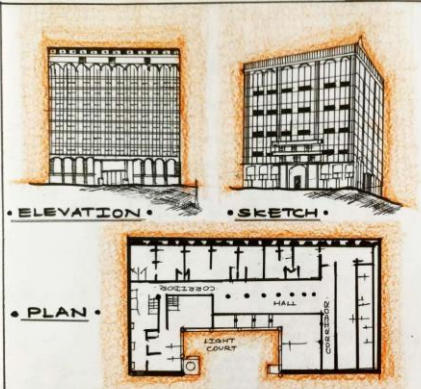
Second Year HoAC IV

Jyoti Gehlot



Second Year HoAC IV

Siddhi Nehre



• ELEVATION •

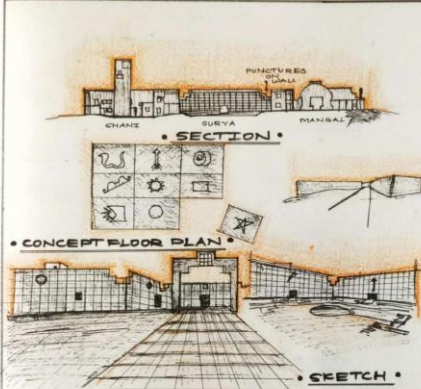
• SKETCH •

• PLAN •

• INFORMATION •

- THE HOME INSURANCE BUILDING WAS SKYSCRAPER BUILT IN CHICAGO FROM 1885 TO 1889.
- IT WAS DESIGNED BY WILLIAM LE BARON JENNEY IN 1884 AND COMPLETED NEXT YEAR.
- IT IS CONSIDERED WORLD'S FIRST SKYSCRAPER.
- IT HAD 10 STORIES AND ROSE TO HEIGHT OF 138 FT. TWO ADDITIONAL FLOORS WERE ADDED IN 1891.
- BUILDING SUPPORTED USING AN IRON FRAME SKELETON.
- THE BUILDING WAS FIRST TALL BUILDING TO USE STRUCTURAL STEEL IN ITS FRAME. BUT MATURITY OF STRUCTURE WAS COMPOSED OF CAST AND WROUGHT IRON.

HOME INSURANCE BUILDING	CHECK	SIGN	SINHGAD COLLEGE OF ARCHITECTURE NAME - NEHERE SIDDHI S. SUB - HOAC-IV YEAR - II YEAR • SEM-IV ROLL NO - 16.	STAMP
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• SECTION •

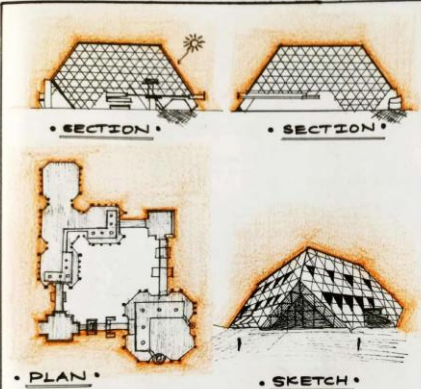
• CONCEPT FLOOR PLAN •

• SKETCH •

• INFORMATION •

- MATERIALS - RED STONE & WHITE MARBLE.
- VASTU SYMBOL ON EACH FACADE OF EACH UNIT.
- SMALL PUNCTURES ON WALL FOR VENTILATION.
- LIGHT SHAFTS HAVE STEP PROFILES WITH MARBLE CAPPING. THEY ARE AT CORNER OF EACH UNIT.
- CENTRAL COURTYARD BRING IN LIGHT & AIR.
- THE MOST SIGNIFICANT FEATURE OF BUILDING WAS SPECTACULAR PLAY WITH LIGHT & SHADOWS.

JAWAHAR KALA KENDRA • CHARLES CORREA •	CHECK	SIGN	SINHGAD COLLEGE OF ARCHITECTURE NAME - NEHERE SIDDHI S. SUB - HOAC-IV YEAR - II YEAR • SEM-IV ROLL NO - 16	STAMP
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• SECTION •

• SECTION •


• PLAN •

• SKETCH •

• INFORMATION •

- THE HALL OF NATIONS IS STRUCTURE BASED ON TETRAHEDRONS, TRIANGULATED FORMS & HEXAGONS, WHICH IS SEEN IN TILES.
- EACH OF FOUR HALLS OF INDUSTRIES IS SIMILAR IN DESIGN & IS 44 X 44 M X 16 M.
- FREE STANDING COVERED MEZZANINE FLOORS CANTILEVERING OUT OF CYLINDRICAL SHAFTS PROVIDE ADDITIONAL EXHIBITION AREA.
- THE BUILDING WAS MADE FROM CONCRETE CAST IN-SITU & USED TESSELLATING TRIANGULAR STRUCTURE TO FORM A CAPPED PYRAMID.

HALL OF NATIONS • RAJ REWAL •	CHECK	SIGN	SINHGAD COLLEGE OF ARCHITECTURE NAME - NEHERE SIDDHI S. SUB - HOAC-IV YEAR - II YEAR • SEM-IV ROLL NO - 16.	STAMP
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• NORTH ELEVATION •

• SECTION A-A •

• SKETCH •

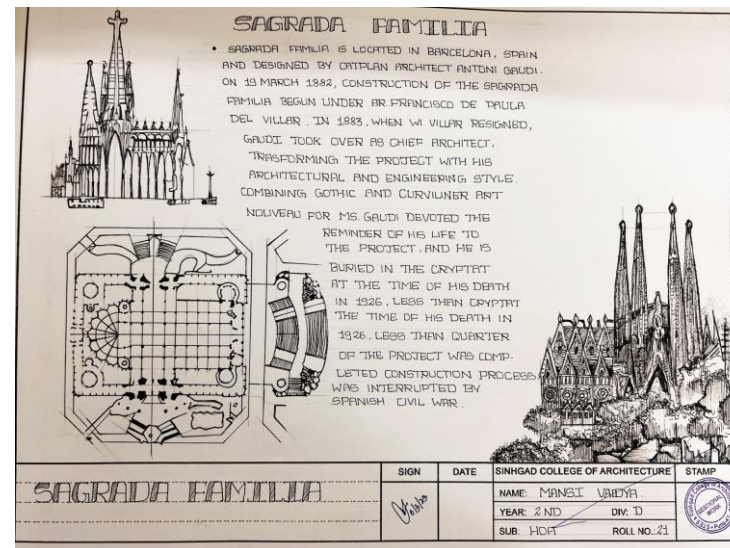
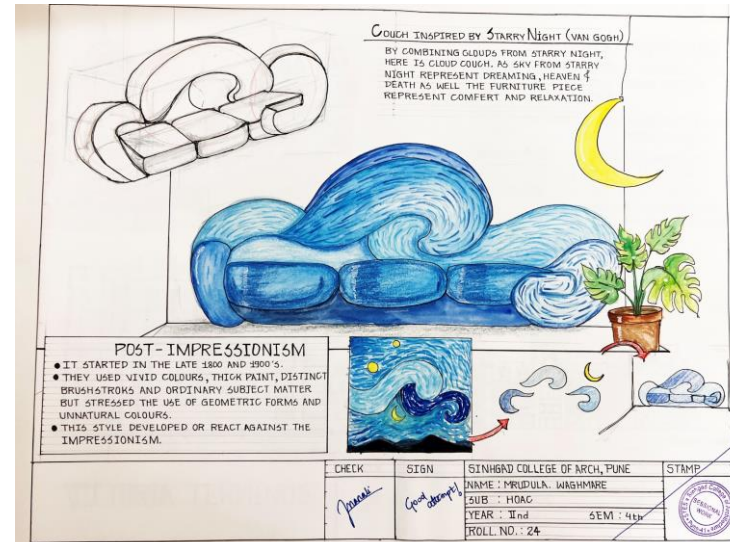
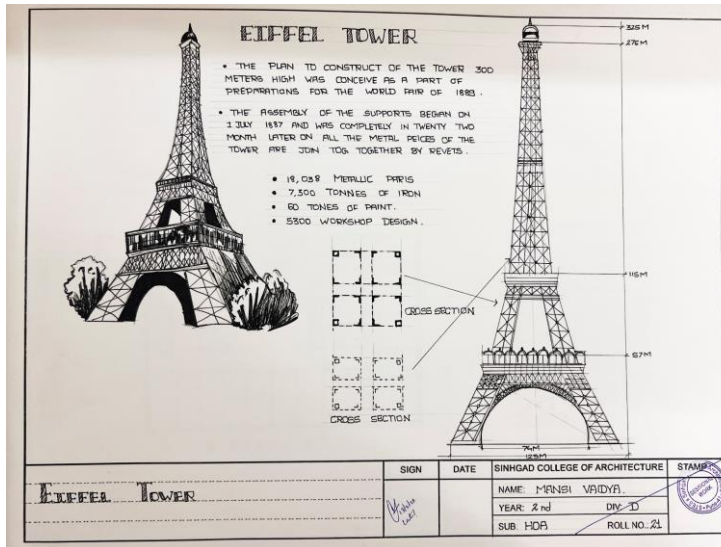
• INFORMATION •

- THE BUILDING HAS AN EXPOSED CONCRETE FRAME STRUCTURE WITH EXPOSED BRICK IN FILL WALLS.
- THE FLOORS ARE FINISHED IN ROTA STONE INTERSPERSED BY MARBLE STRIPS.
- THE SHAPE OF RESIDENTIAL UNIT ON FIRST FLOOR IS DICTATED BY LINEAR FORM GENERATED ON LOWER LEVEL PARTIALLY SPANNING OVER EXTENDED TERRACE BELOW.
- AFTER STUDYING SUN PATH ANALYSIS TO PROVIDE SHADING DEVICES FOR WINDOWS & ROOF, WHICH WOULD REDUCE ENERGY DEMAND.

DARPARA ACADEMY OF PERFORMING ARTS • ACHYUT FANVINDE •	CHECK	SIGN	SINHGAD COLLEGE OF ARCHITECTURE NAME - NEHERE SIDDHI S. SUB - HOAC-IV YEAR - II YEAR • SEM-IV ROLL NO - 16	STAMP
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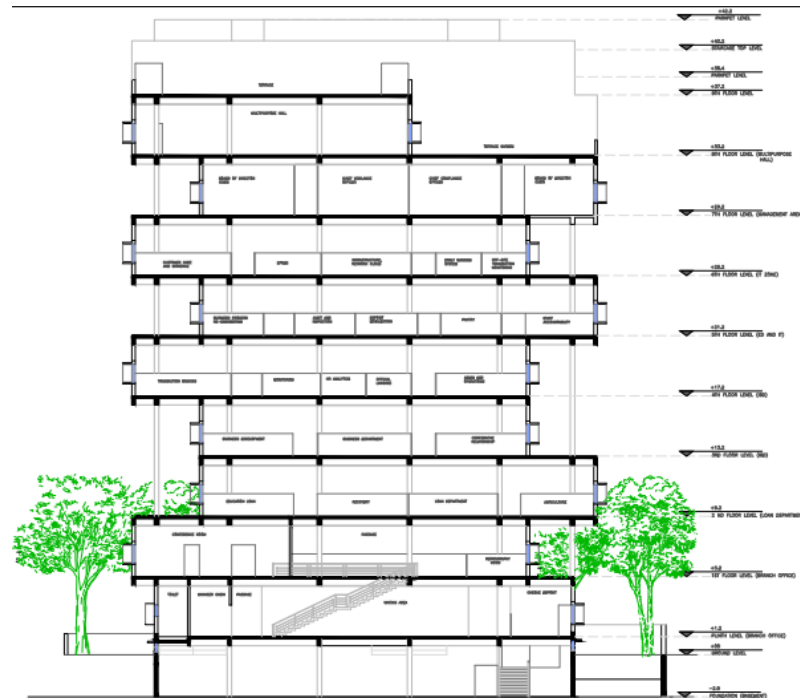
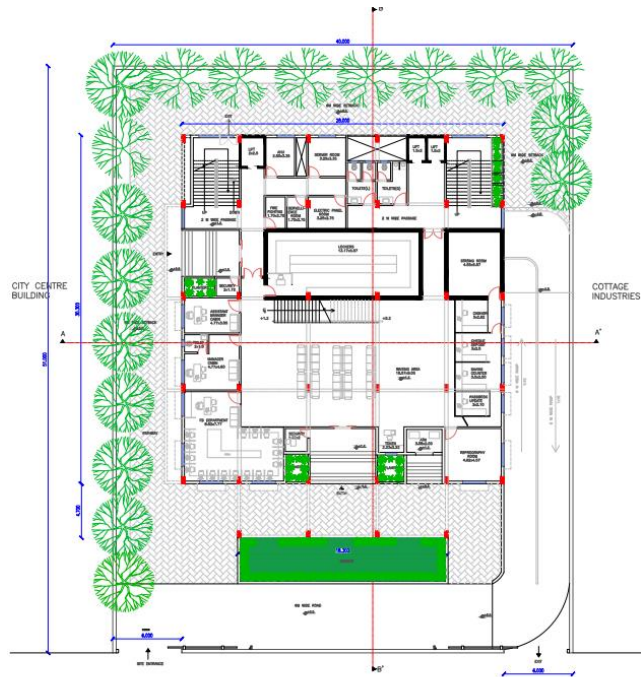
Second Year HoAC IV

Mansi Vaidya

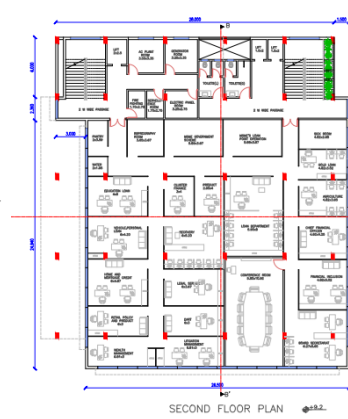
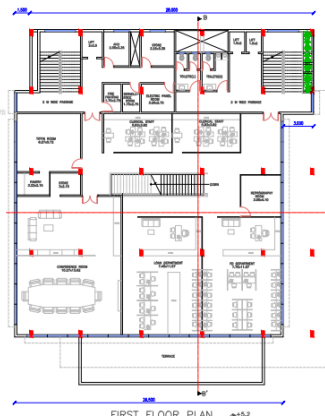
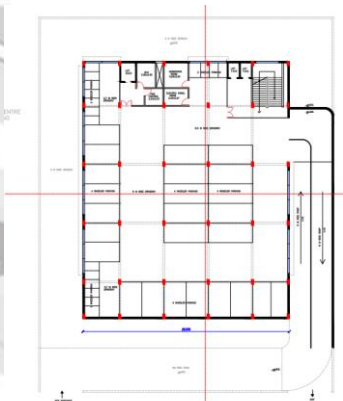


Third Year AD V

Bank Head quarter's Goa -Akash Gaje



SECTION AA'

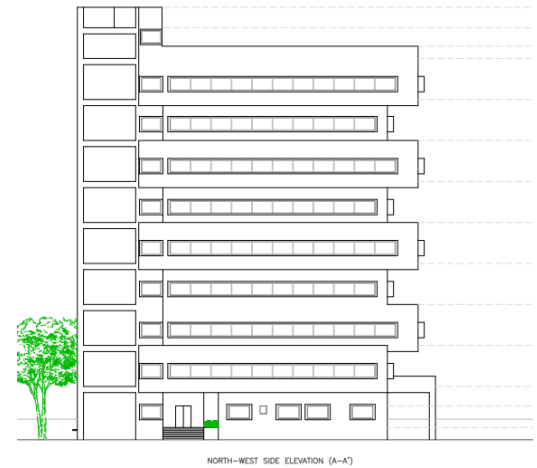


The image displays three architectural floor plans, labeled SECTION 110, SECTION 111, and SECTION 112, arranged vertically. Each plan shows a symmetrical layout of a building, likely a school or institutional structure, with a central corridor and multiple rooms. The plans are oriented vertically on the page.

SECTION 110: This plan shows a building with a central corridor and two main wings. The left wing contains several classrooms and a large room labeled "ART ROOM". The right wing contains a "MUSIC ROOM" and a "DANCE ROOM". The central corridor is labeled "CORRIDOR". The plan includes dimensions such as 10'-0" and 10'-0" for the wings, and 10'-0" for the central corridor. The overall width is 30'-0".

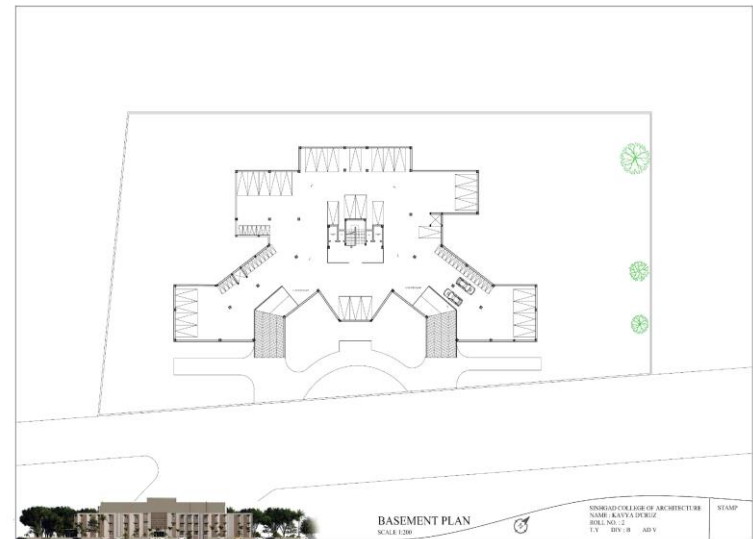
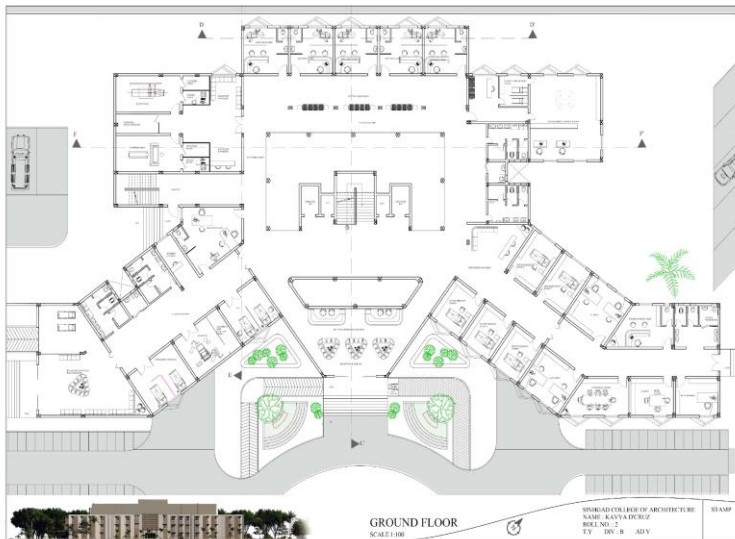
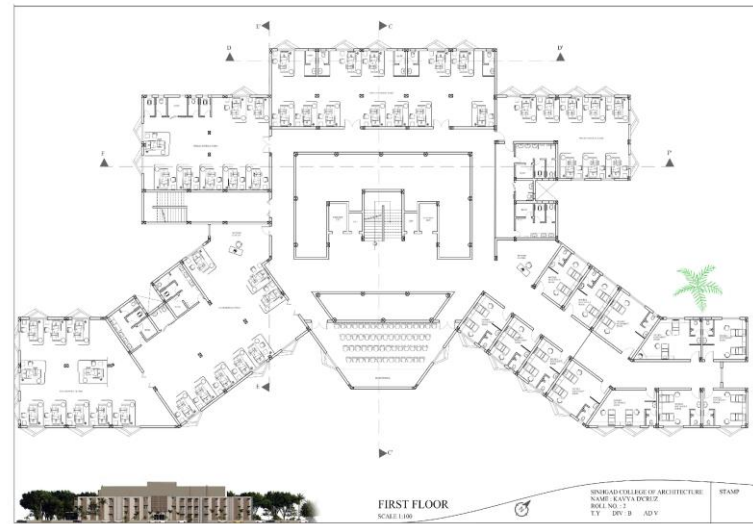
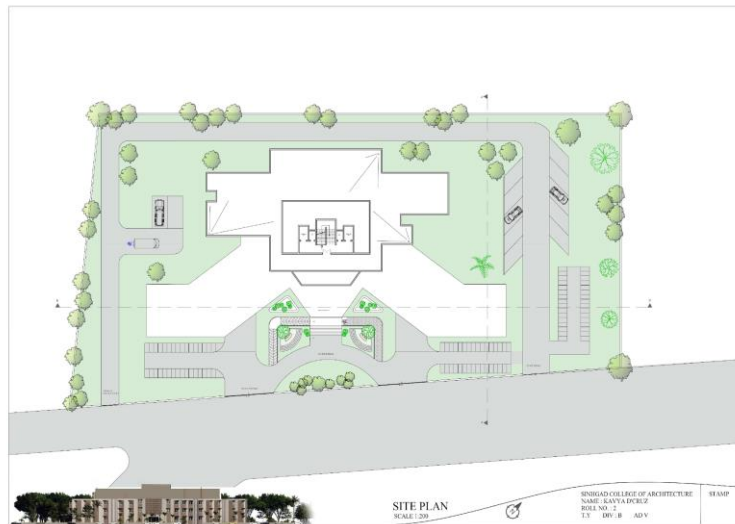
SECTION 111: This plan shows a similar layout to SECTION 110, but with different room arrangements. The left wing contains a "MUSIC ROOM" and a "DANCE ROOM". The right wing contains a "MUSIC ROOM" and a "DANCE ROOM". The central corridor is labeled "CORRIDOR". The plan includes dimensions such as 10'-0" and 10'-0" for the wings, and 10'-0" for the central corridor. The overall width is 30'-0".

SECTION 112: This plan shows a similar layout to SECTION 110, but with different room arrangements. The left wing contains a "MUSIC ROOM" and a "DANCE ROOM". The right wing contains a "MUSIC ROOM" and a "DANCE ROOM". The central corridor is labeled "CORRIDOR". The plan includes dimensions such as 10'-0" and 10'-0" for the wings, and 10'-0" for the central corridor. The overall width is 30'-0".



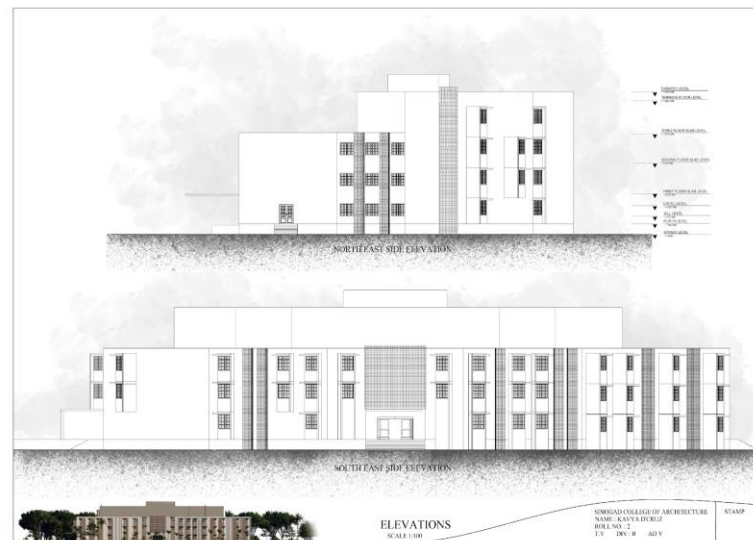
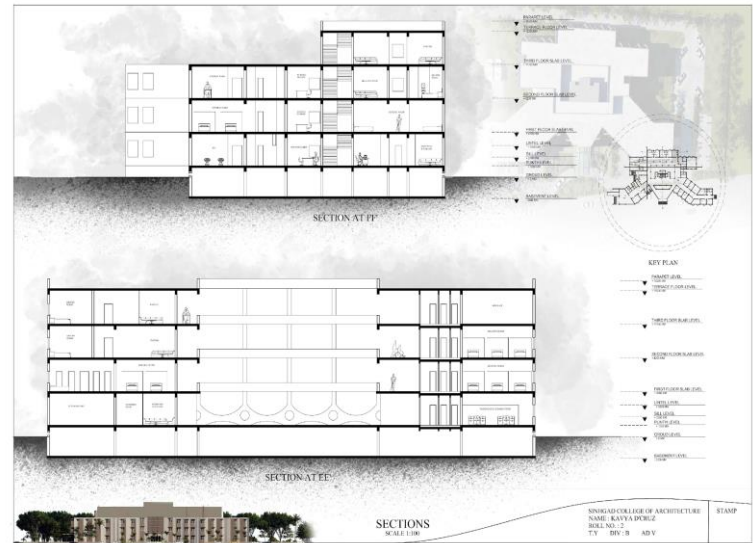
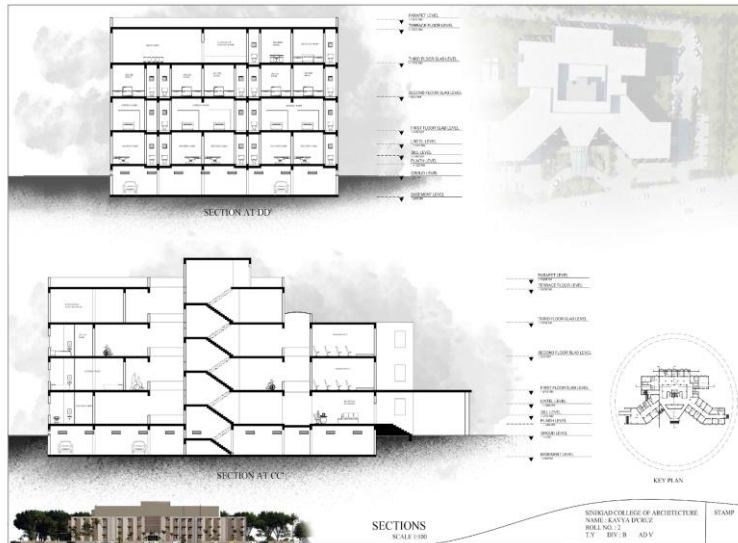
Third Year AD V

Orthopaedic hospital and recovery centre -Kavya D'Cruz



Third Year AD V

Kavya D'Cruz



Third Year AD V

Multipurpose commercial building- Shantanu Parjane



Third Year AD V

Multipurpose commercial building- Shantanu Parjane



ELEVATIONS (VIEWS)

REMARK: SKIN: SHINGAD COLLEGE OF ARCHT
PARJANE SHANTANU SHIRAD
SUB: AD V SEM - C ROLL NO: 21
T.Y. ARCHT



ELEVATIONS (VIEWS)

REMARK: SKIN: SHINGAD COLLEGE OF ARCHT
PARJANE SHANTANU SHIRAD
SUB: AD V SEM - C ROLL NO: 21
T.Y. ARCHT



THIRD FLOOR PLAN

REMARK: SKIN: SHINGAD COLLEGE OF ARCHT
PARJANE SHANTANU SHIRAD
SUB: AD V SEM - C ROLL NO: 21
T.Y. ARCHT



FOURTH FLOOR PLAN

REMARK: SKIN: SHINGAD COLLEGE OF ARCHT
PARJANE SHANTANU SHIRAD
SUB: AD V SEM - C ROLL NO: 21
T.Y. ARCHT



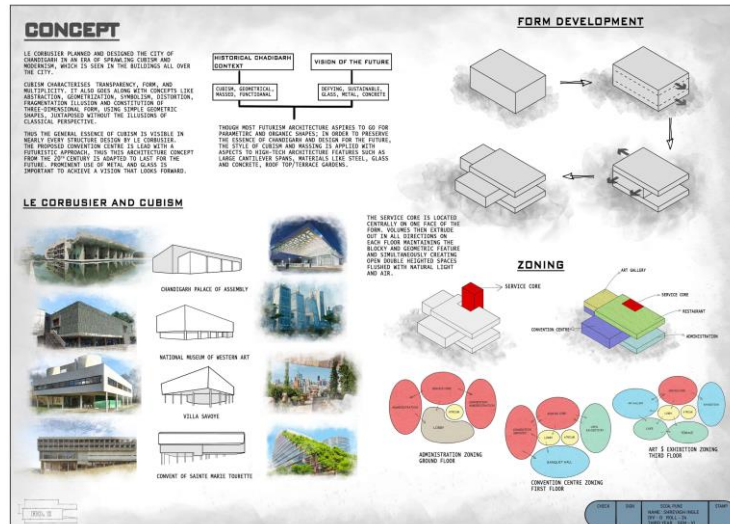
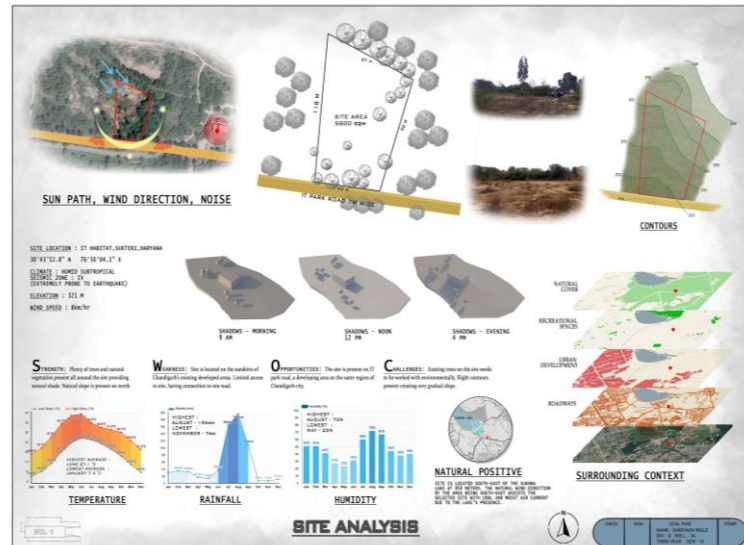
FIFTH FLOOR PLAN

REMARK: SKIN: SHINGAD COLLEGE OF ARCHT
PARJANE SHANTANU SHIRAD
SUB: AD V SEM - C ROLL NO: 21
T.Y. ARCHT

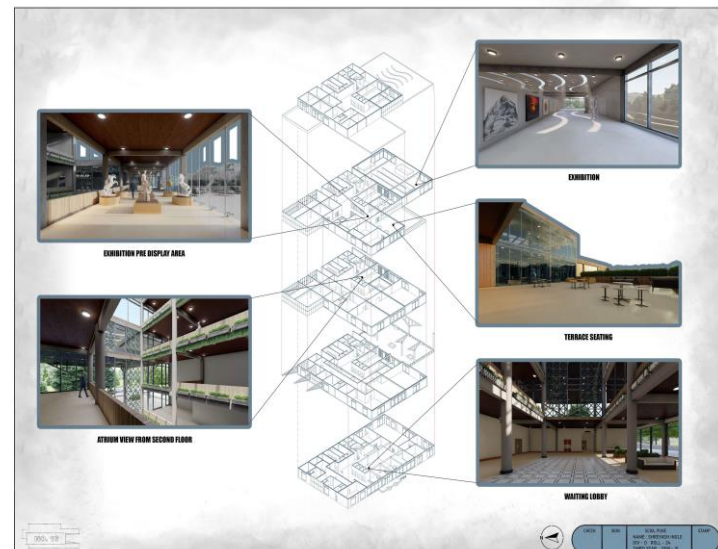
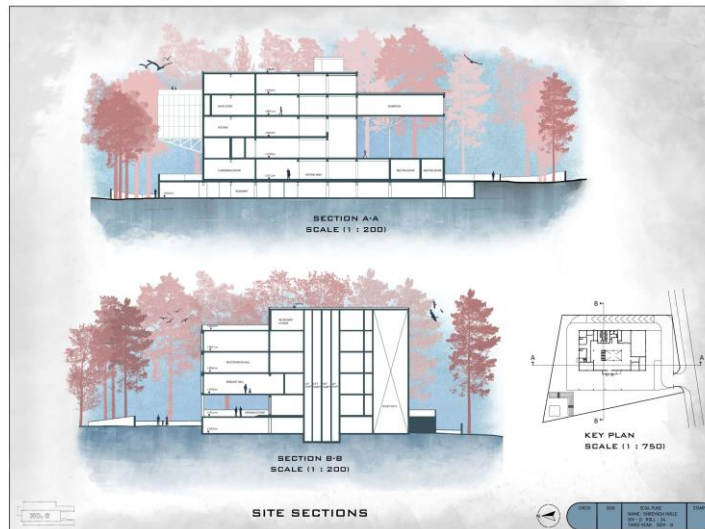
Third Year AD V



Neoteric convention center – Shreyas Ingle

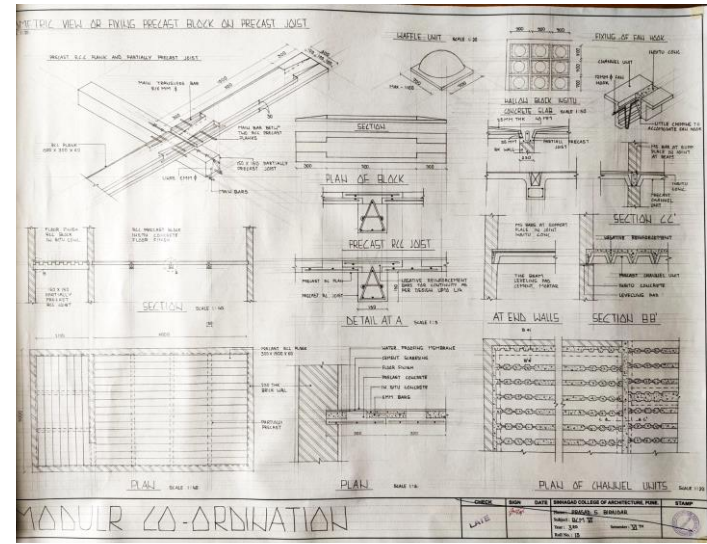
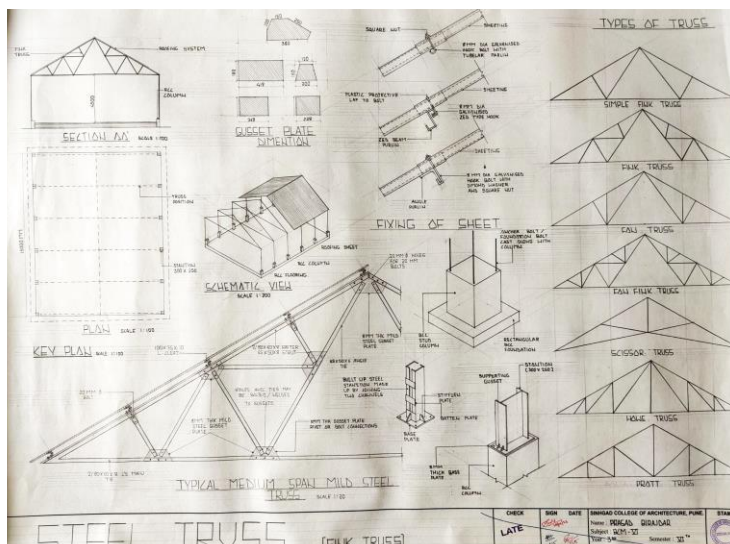
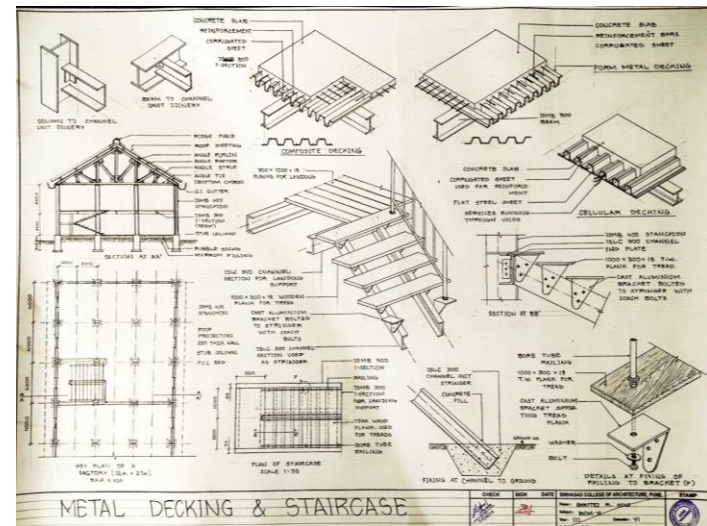
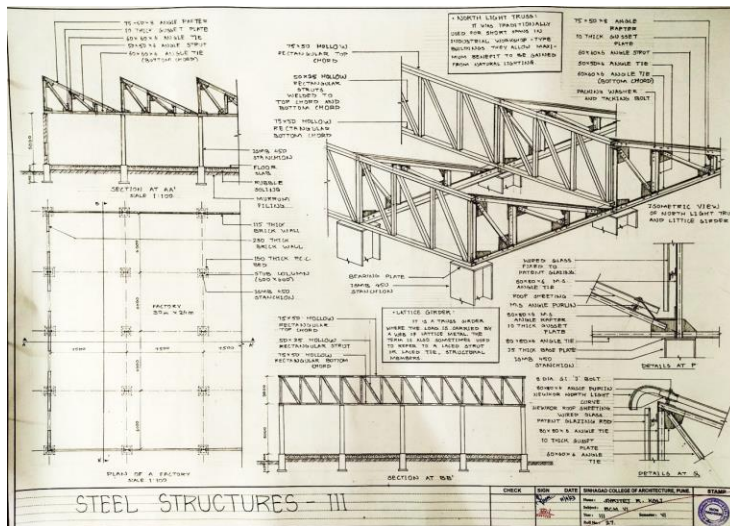


Third Year AD V



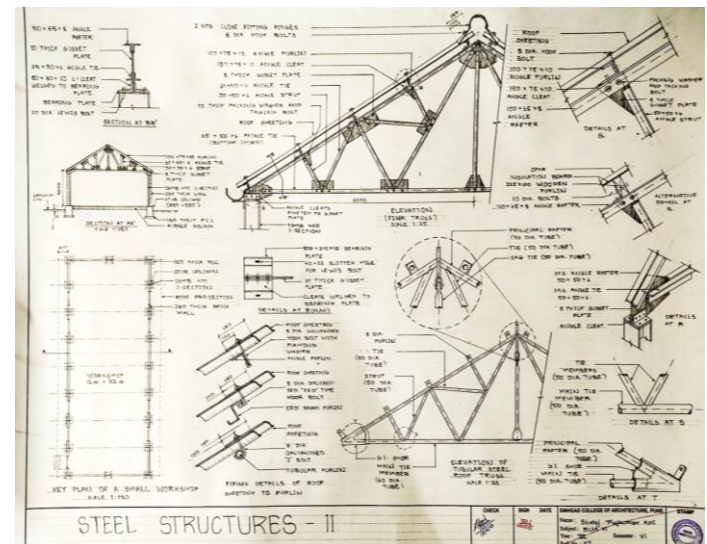
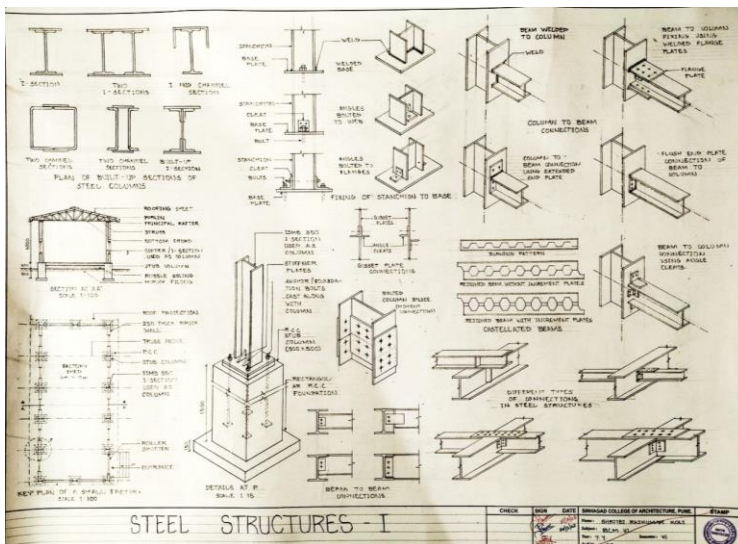
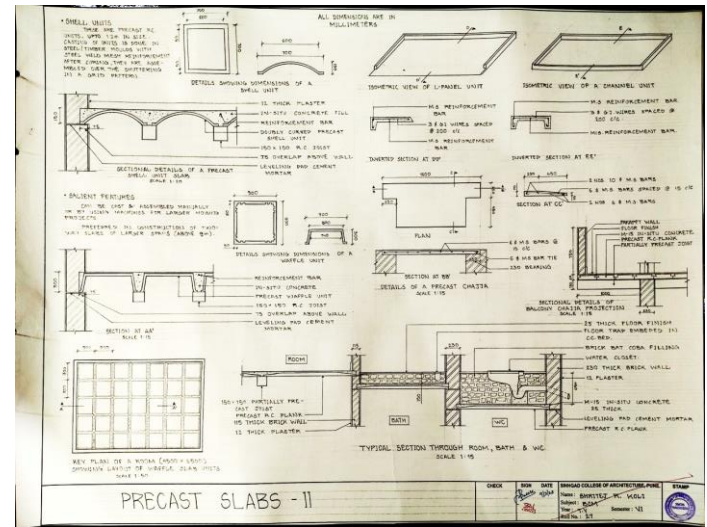
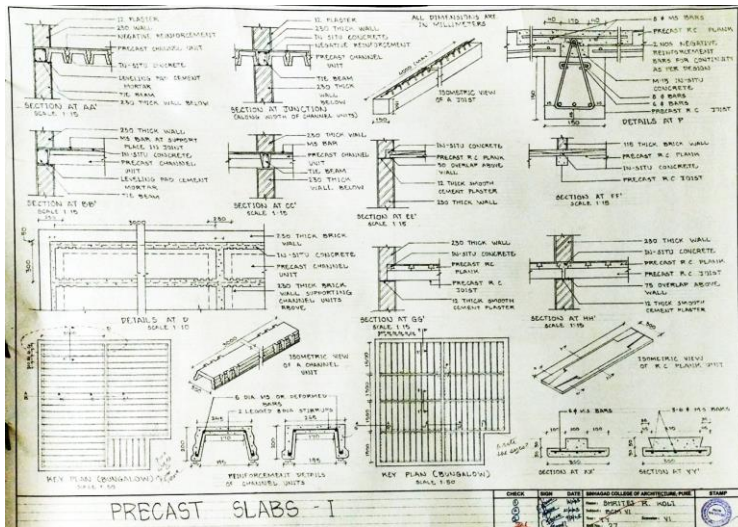
Shrutej Koli, Prasad Birajdar

Third Year BCM VI



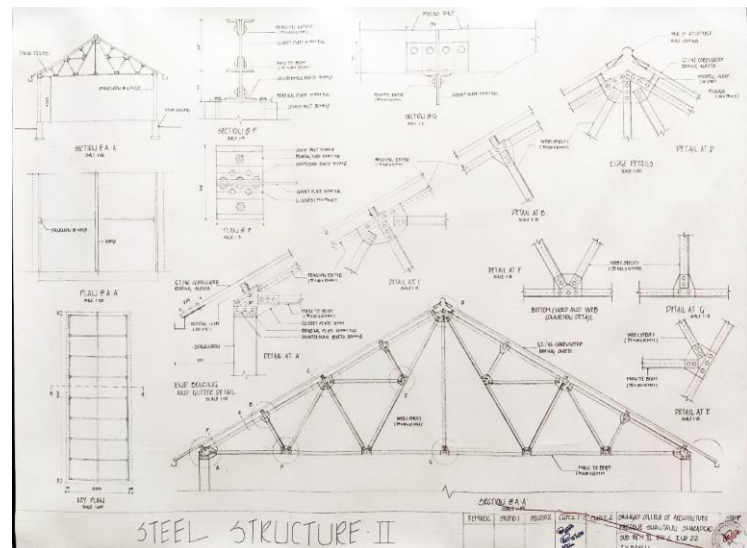
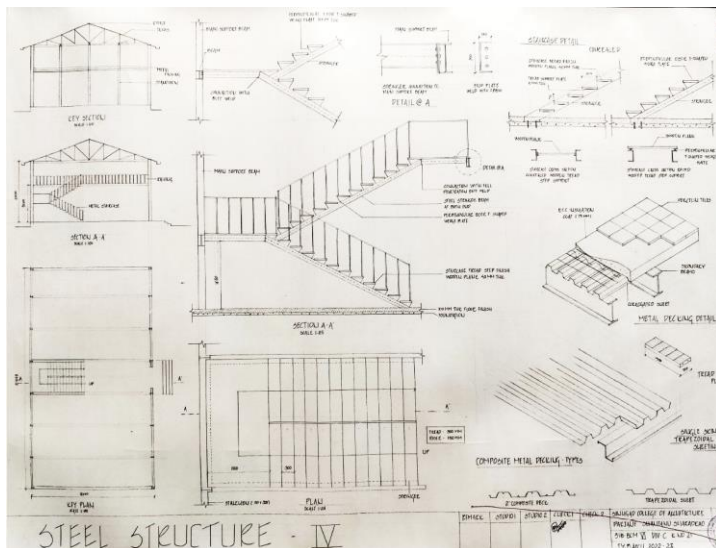
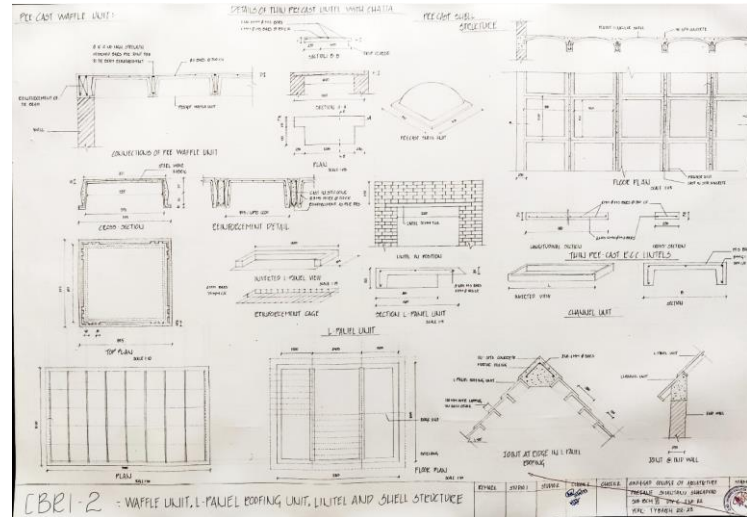
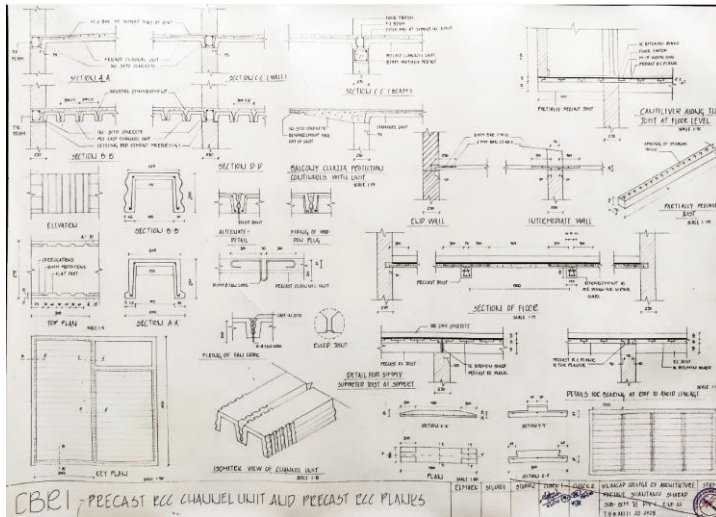
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Shritej Koli



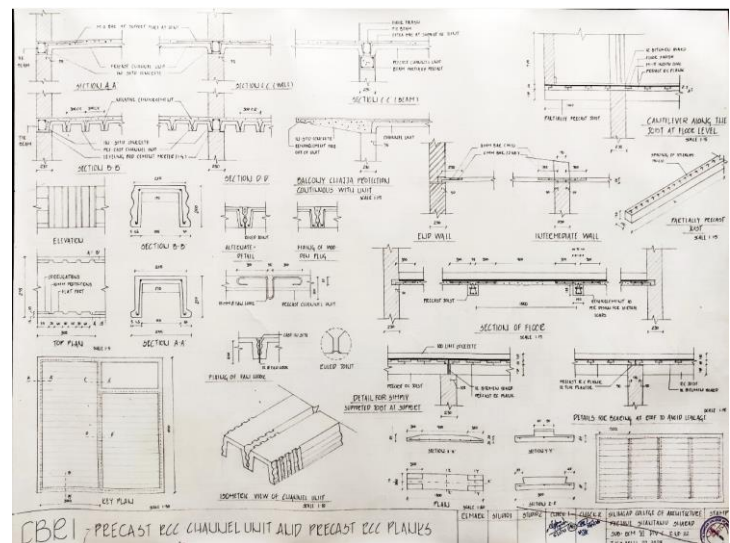
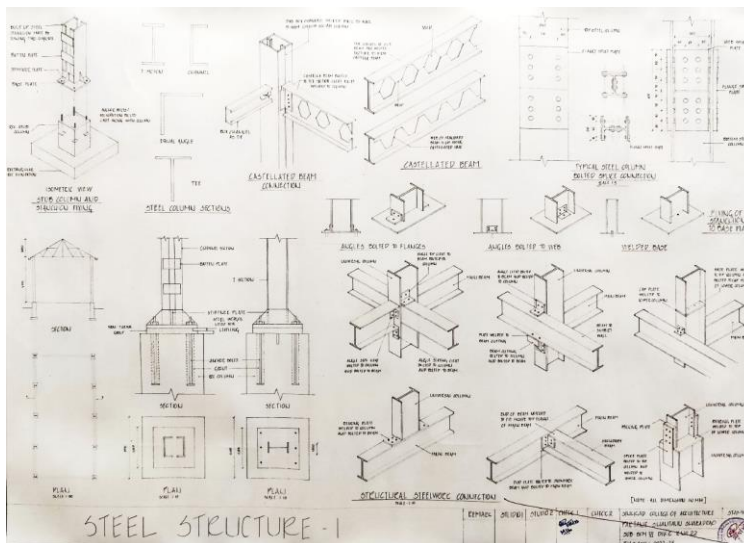
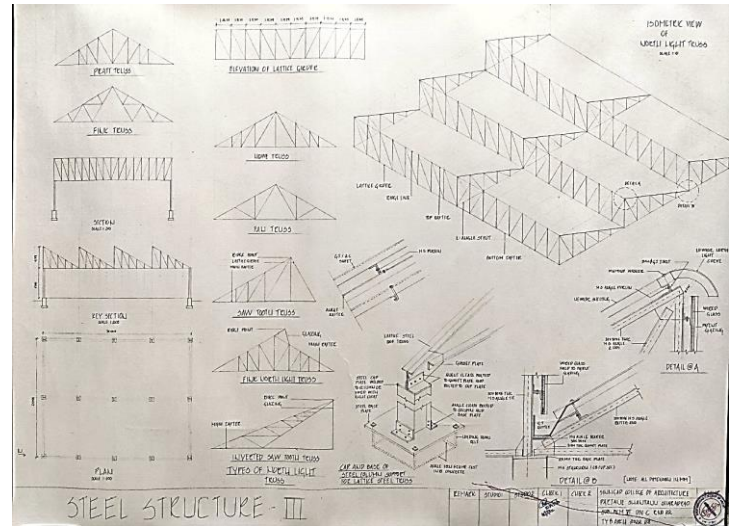
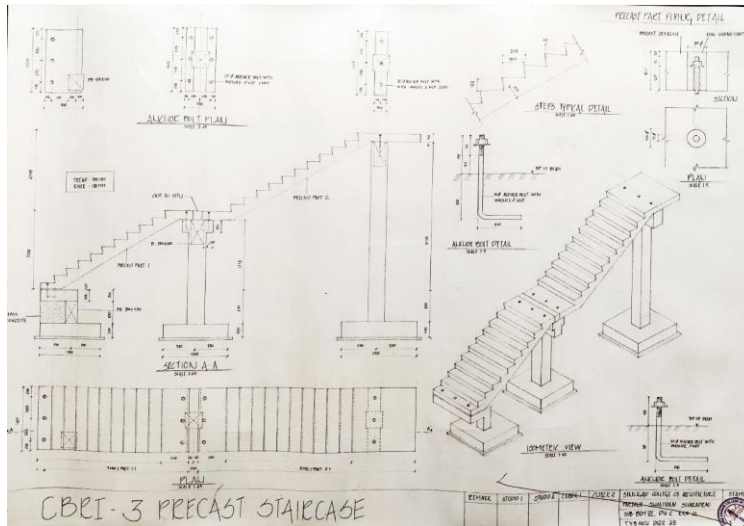
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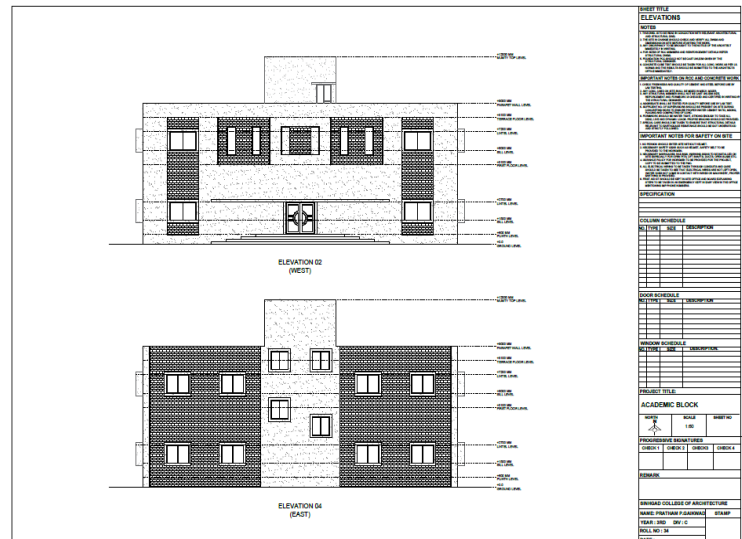
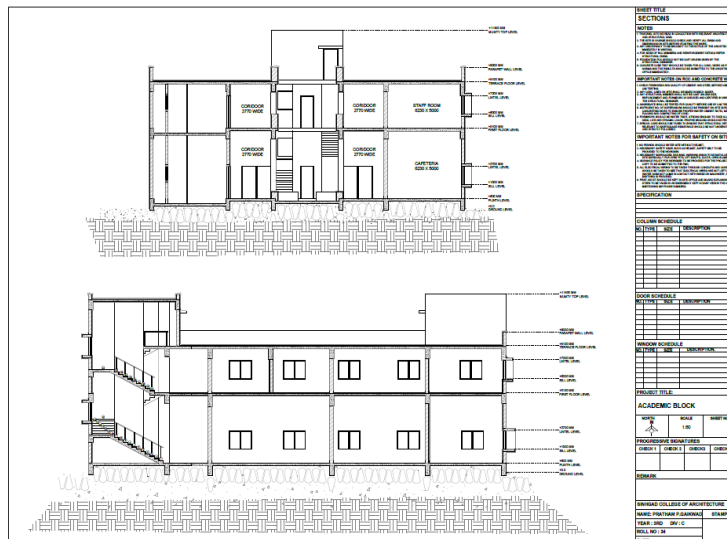
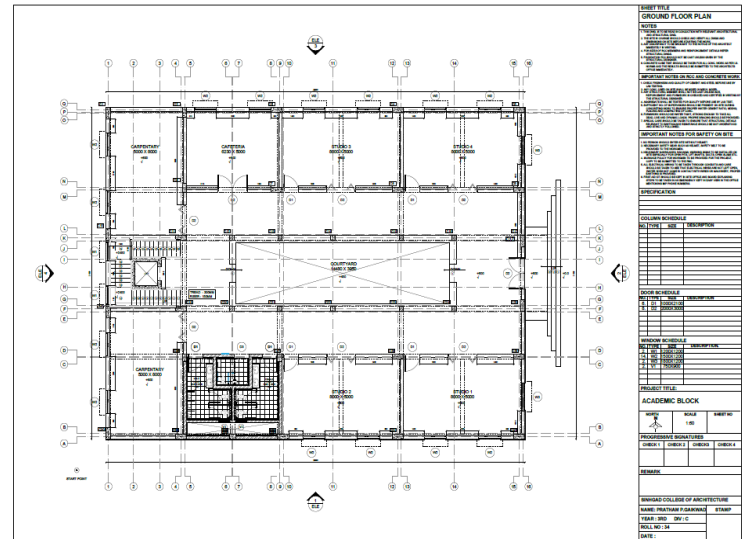
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Third Year BCM VI

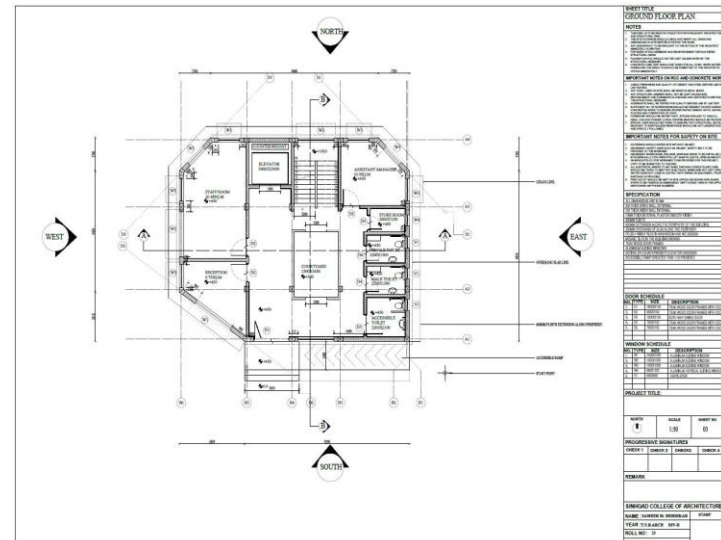
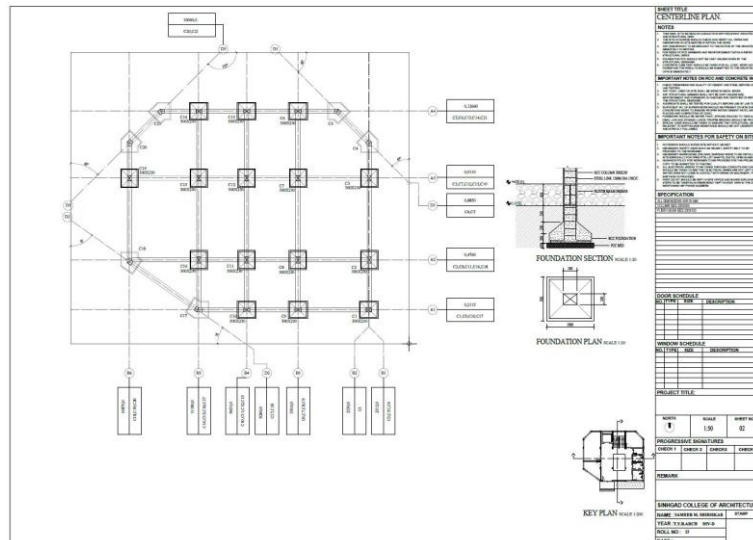
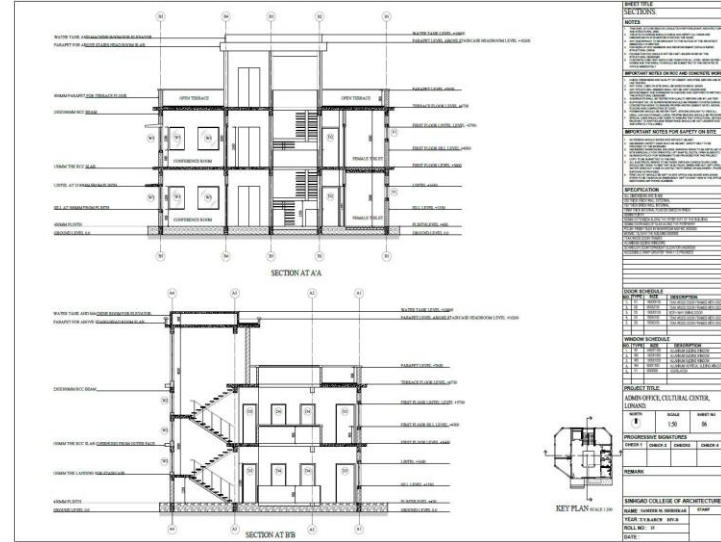
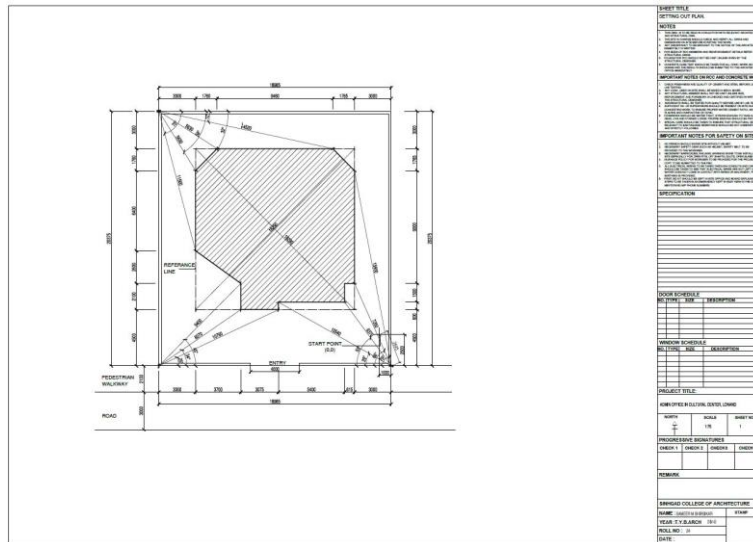
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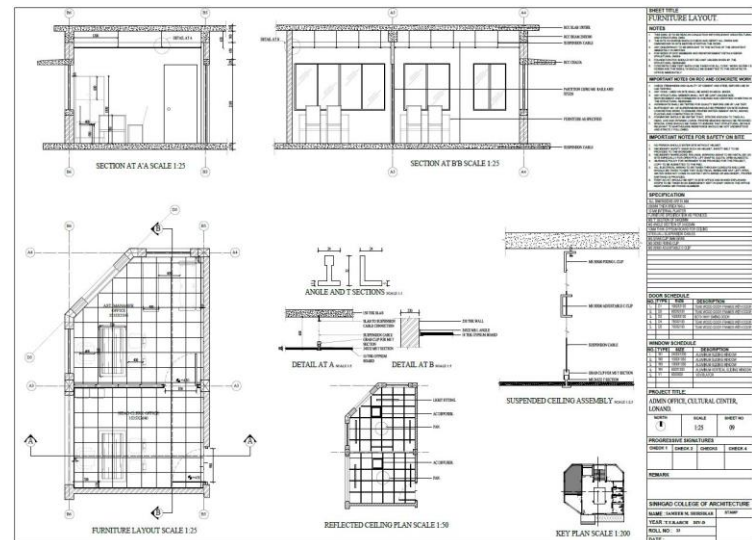
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Sameer Shirsikar



Sameer Shirsikar

Third Year Working Drawing II

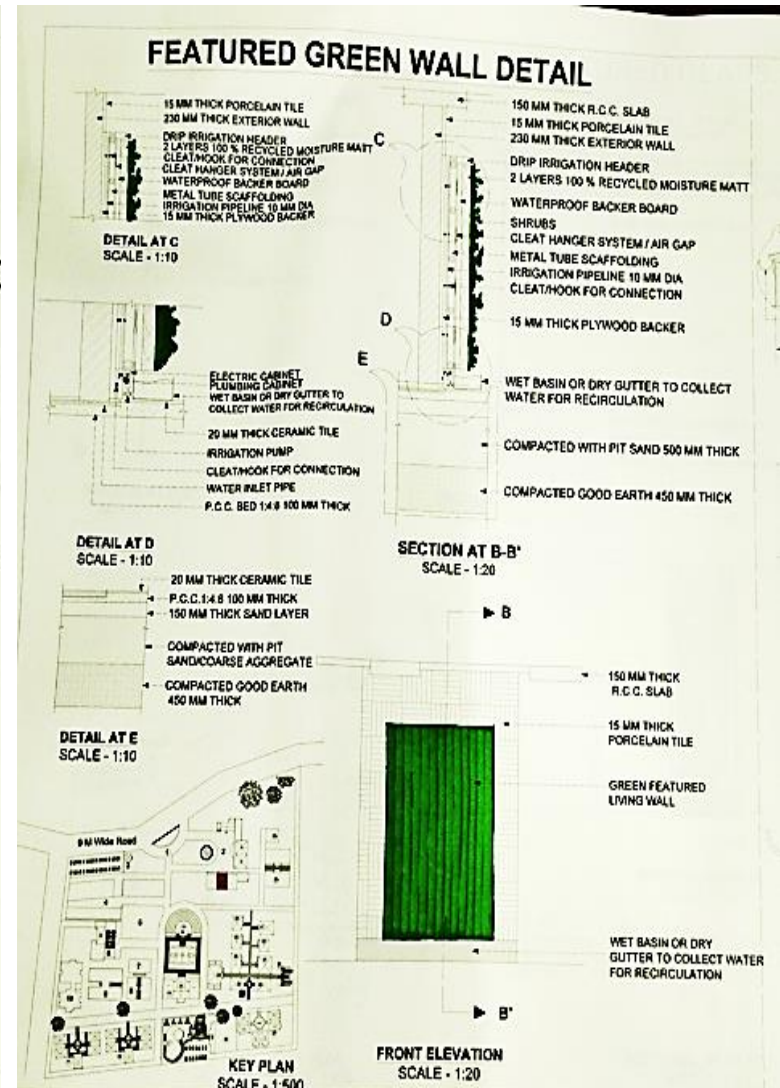
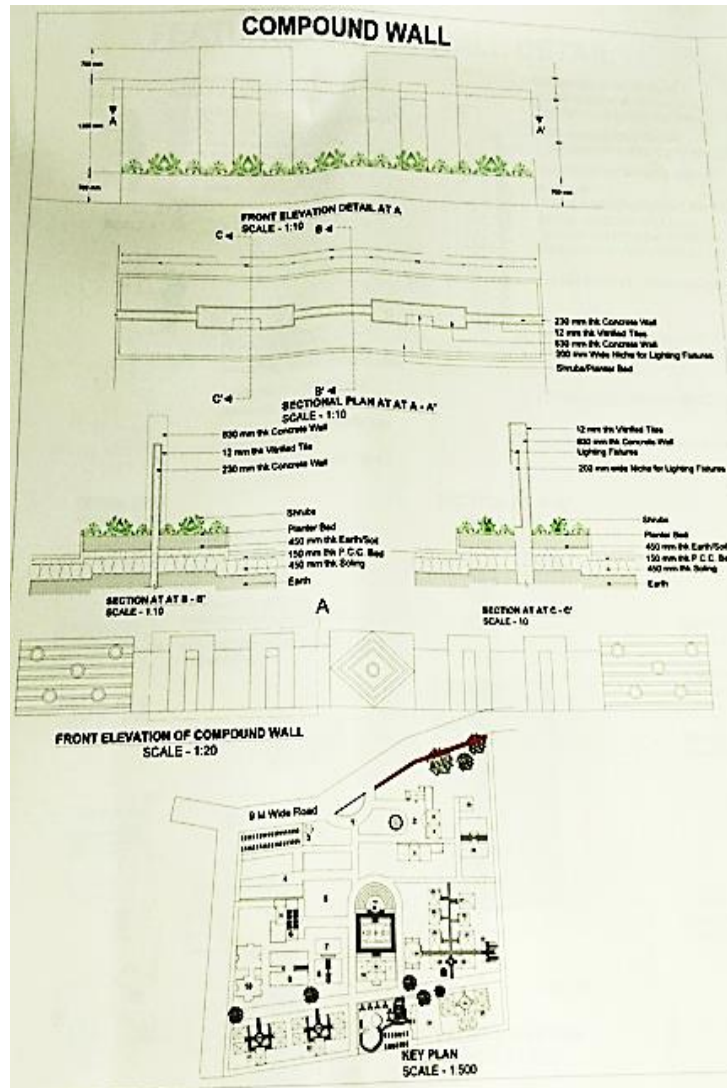


4 Shear wall system Tube structural system

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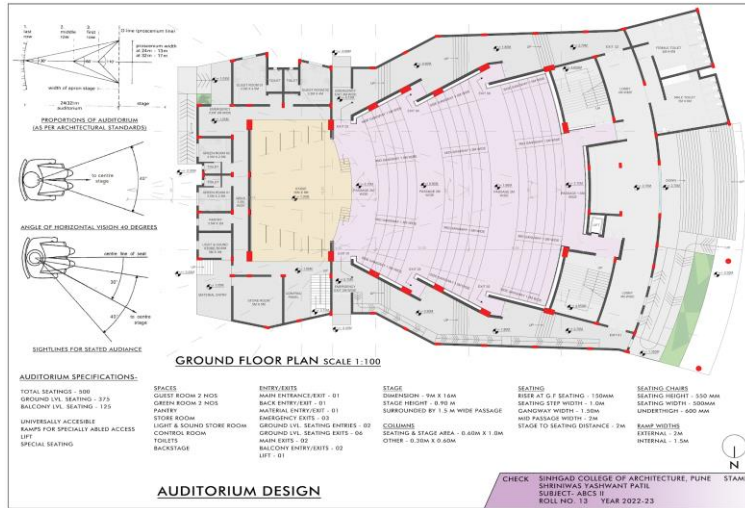
Fourth Year ABCS II

Akanksha Lonkar

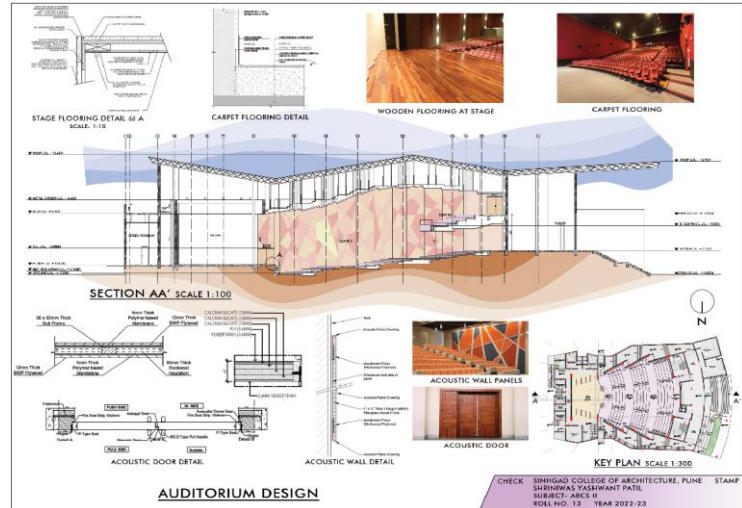


Fourth Year ABCS II

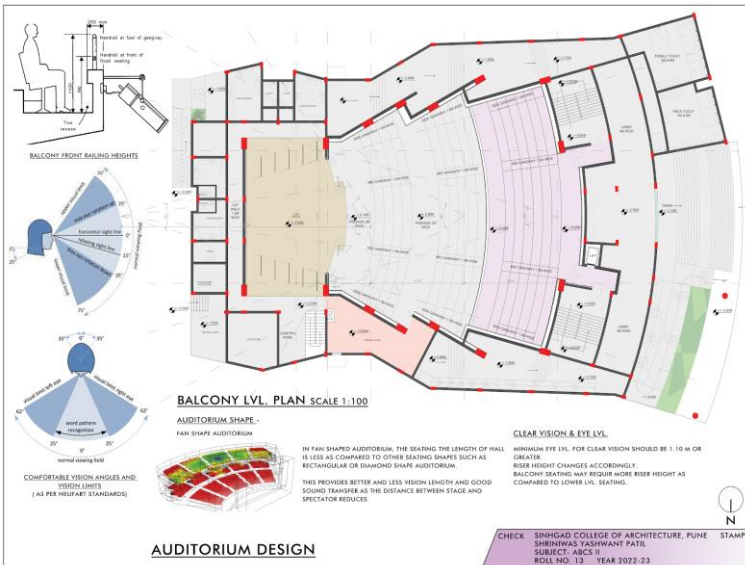
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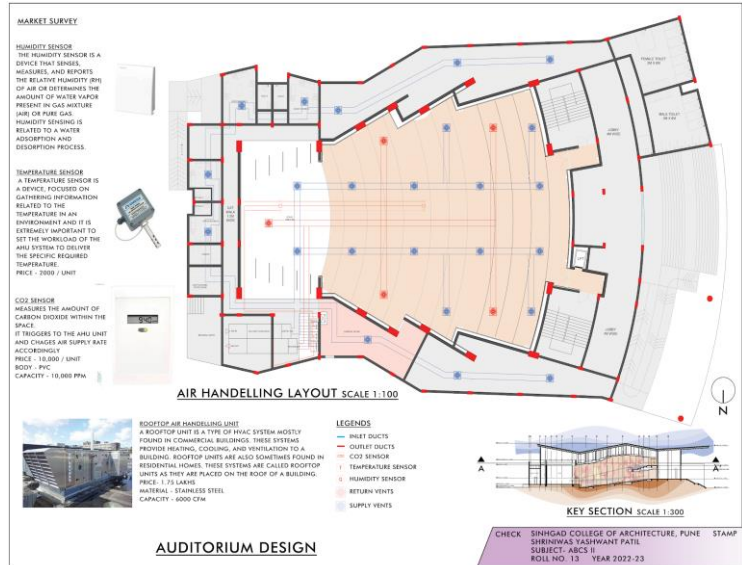
AUDITORIUM DESIGN



AUDITORIUM DESIGN



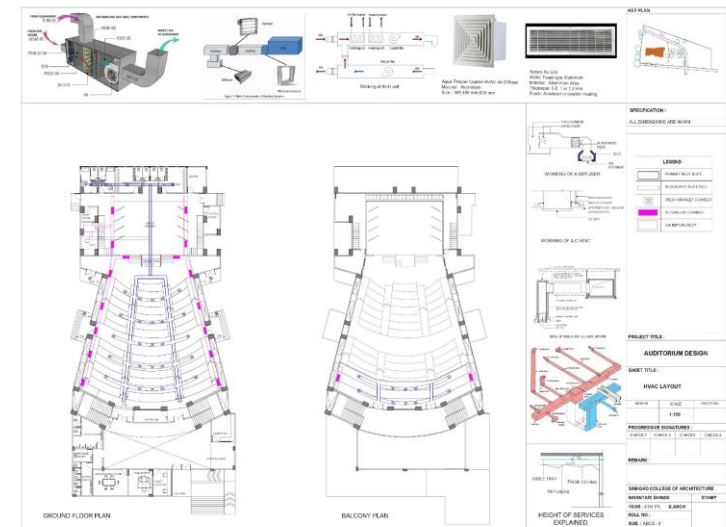
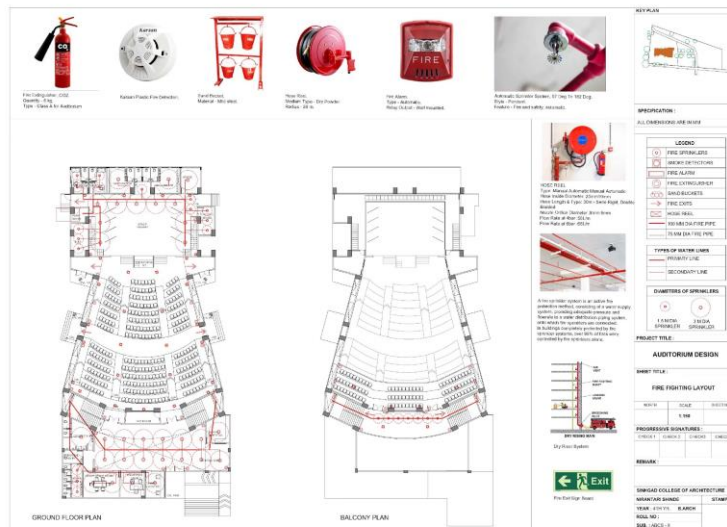
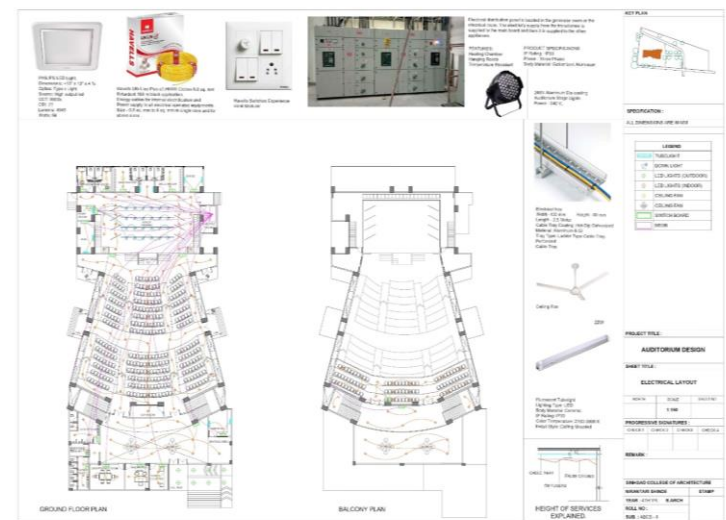
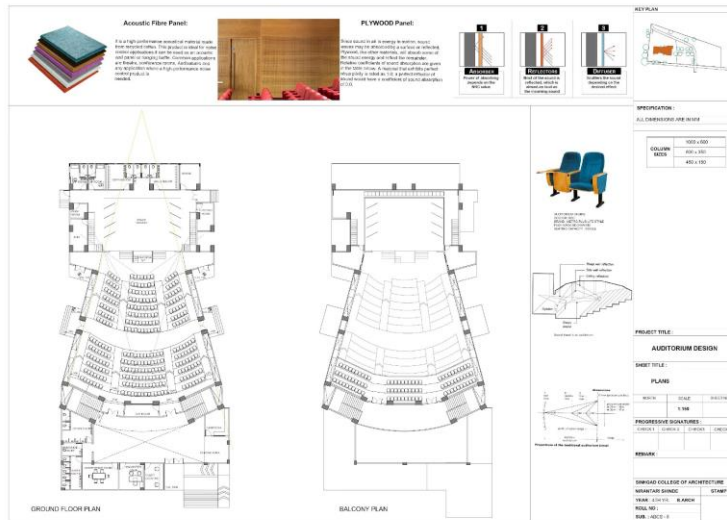
AUDITORIUM DESIGN



AUDITORIUM DESIGN

Fourth Year ABCS II

Nirantari Shinde



Fourth Year US II

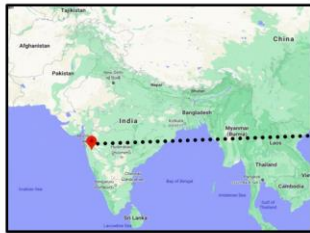


Image : India map

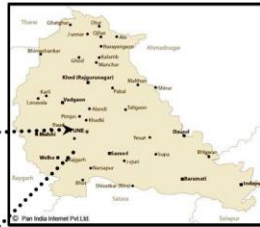


Image : Map of Pune



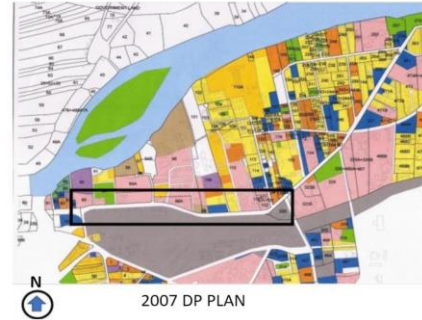
- Shivaji Nagar Wakdevadi Road, Shivajinagar is in Pune City in Maharashtra State, India. It belongs to Desh or Paschim Maharashtra region. It belongs to Pune Division.
- Shivaji Nagar Wakdevadi Road, Shivajinagar Pin code is 411005 and postal head office is Shivajinagar.

PEDESTRIAN AND VEHICULAR ARRANGEMENT



https://en.parkopedia.in/parking/carpark/cafe_ground_pune_station.p

DP plan and Bylaws :



- All the Land is reserved for Government Amenity purpose.
- Some part of land is reserved for Mixed-Use along the Road.
- Most of the buildings have a mixed use typology with small shops on the ground floor and floors above for 6-7 residential stories.

Land use



LAW	P.M.C
BUILDING HEIGHT	Any construction within 30 m. from railway boundary shall be subject to restrictions as may be specified by the Railway Authority from time to time
F.S.I	Maximum Permissible FSI is 1.5
GROUND COVERAGE	The maximum ground coverage shall be 2/3rd of the plot area.

- Residential
- Open Space
- Amenity
- Mixed-Use
- Commercial
- Canal

https://pmc.gov.in/informpdf/DC%20RULES_OLDLIMIT.pdf

EXISTING SCENARIO



<https://pmc.gov.in/informpdf/City%20Engineer%20Office/Traffic%20%20Transportation%20Report.pdf>

Fourth Year US II

INDUSTRIAL LANDUSE :

- Jejuri MIDC Industrial Area, an industrial hub situated on NH - 61 (Pune - Jejuri highway) at about 49 Kms. from Pune City in Purandar Taluka of Pune District. This industrial area is spread over 231.70 hectare.

**SOME FEATURES OF AREA WHICH MAKES IT INDUSTRIAL AREA AT HIGHWAY SIDE ::**

- Cheap Land Rates at this area.
- Near-by metropolitan like Pune, Navi Mumbai and Mumbai City.
- Connectivity to all parts of the Maharashtra State cities with National and State Highways.
- Proposed 6 Lane National Highway.
- Attractive Incentives to Scheme C of MIDC Industrial Areas.
- Developed Infrastructure.
- Availability of Manpower.

TYPES OF INDUSTRIES IN JEJURI:**RESIDENTIAL LANDUSE :**

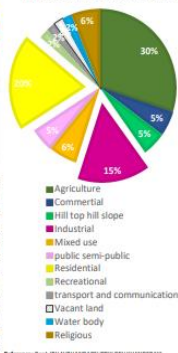
- At back /inner side of highway side commercial area are residential area also residential area growth around the temple known temple town.
- Peoples do temple related work and live around the temple.
- Also workers in industry live on the opposite side of industrial area.



City has 3286 household and town is divided in 17 wards.

CASE STUDY REPORT**STUDY AREA : JEJURI****EXISTING LANDUSE MAP****Inferences :**

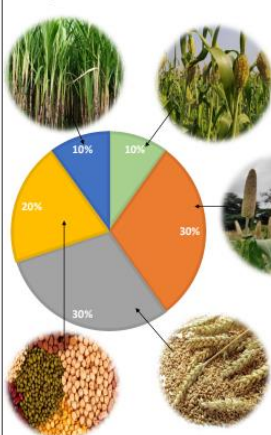
There is more residential and industrial area as compare to other area .

LANDUSE MAP PERCENTAGES

Reference: Soos (2010)HARVARDUNIVERSITY (DEV HANWADKAR)

AGRICULTURAL LANDUSE :**Agricultural - crops**

- Sorghum(Jowar)
- Millet(Bajra)
- Wheat
- Pulses
- Sugar cane



Green patch is highlighted agricultural landuse.

SERVICES :

- In10 hours agricultural power supply in summer and 10 hours agricultural power supply in winter is available.
- Total irrigated area in this village is 195.23 hectares from boreholes/ tube wells; 4.3hectares is the source of irrigation

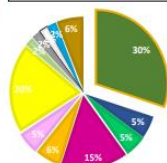
NO. OF AGRICULTURAL LABOURS:

In landuse from 100% there is 30% land is agricultural use.

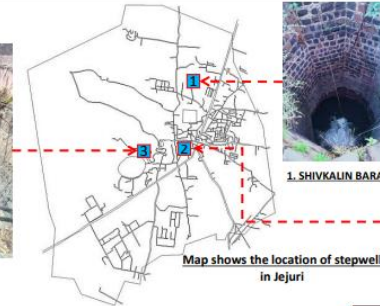
Reference: Soos (2010)HARVARDUNIVERSITY (DEV HANWADKAR)

CASE STUDY REPORT**STUDY AREA : JEJURI****EXISTING LANDUSE MAP****Inferences :**

Total five types of crops are grown for consumption in the year from their respective fields.



Reference: Soos (2010)HARVARDUNIVERSITY (DEV HANWADKAR)

LOCATION OF STEPWELL

Map shows the location of stepwell in Jejuri

1.SHIVKALIN STEPWELL

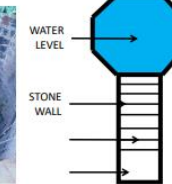
Entrance of the stepwell



Entrance Arch gate of stepwell



View of stepwell



Schematic Plan Of Stepwell

CASE STUDY REPORT**STUDY AREA : JEJURI****ARCHITECTURAL CHARACTER**

1. SHIVKALIN BARAV

2. BALLALESHWAR TEMPLE STEPWELL**Inferences :**

- It is a shivkalin barav.
- The architectural style of these barav is Maratha Architecture style.
- The material used for the construction is stone.
- It has one entrance & exit.
- In between of stepwell & steps there is stone wall with opening of pointed arch shape.

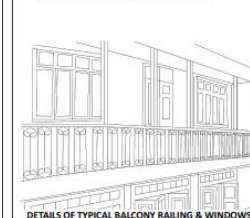
Reference: Soos (2010)HARVARDUNIVERSITY (DEV HANWADKAR)

HOUSES IN JEJURI (DUKAN MAKAN TYPOLOGY)

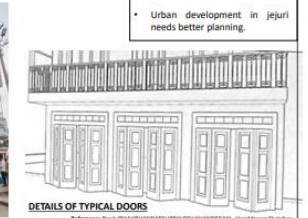
SKETCH OF DUKAN - MAKAN TYPOLOGY

- ARCHITECTURAL FEATURES :**
- Most openings have four paneled foldable shutters with SS or CI bars for protection.
 - One can also see flat-arched windows with wooden panels. Such transom windows are installed to let in the fresh air and natural light.
 - Projected balconies with ornate metal balusters are placed symmetrically between wooden posts.
 - Sloping roofs are visible over timber posts, HAVING SYMMETRICAL SLOPES.
 - Stone quoins which are load - bearing features providing strength and protection from harsh climate also add to the aesthetic of the architectural detailing.

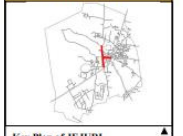
Street Scape Of Mahadwar Chowk (A)



DETAILS OF TYPICAL BALCONY RAILING & WINDOWS









DETAILS OF TYPICAL DOORS

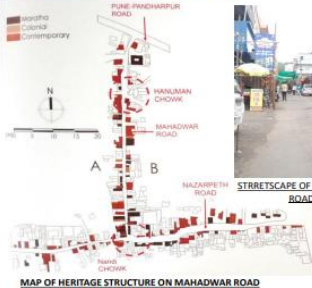




CASE STUDY REPORT**STUDY AREA : JEJURI****ARCHITECTURAL CHARACTER**




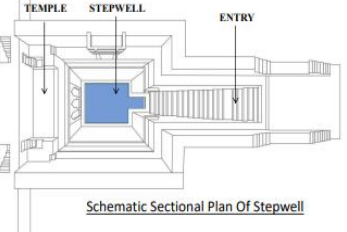
Key Plan of JEJURI

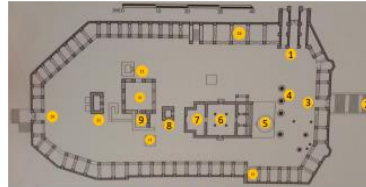
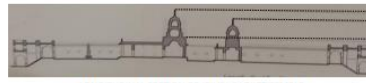
Inferences :

- Due to changing needs and aspirations , some high - rise buildings can also be seen constructed along these prominent street.
- Urban development in jejuri needs better planning.

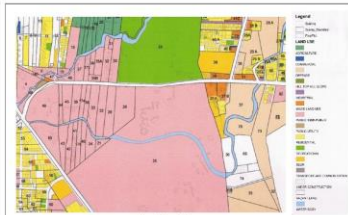
PROPOSAL	PROPOSAL -1	PROPOSAL -2	CASE STUDY REPORT STUDY AREA : JEJURI ARCHITECTURAL CHARACTER
 <p>Google image showing Mahadwar Road location</p> <ul style="list-style-type: none"> The mahadwar is fully encroached by hockers. we can see mixed used typology on this road i.e. dukan makan Also during palkhi utsav it is fully occupied. The road width is insufficient for all this activities Proposal is to increase road width of Mahadwar Road. 	  <p>MAHADWAR ROAD</p>	 <p>Google image showing surroundings of Holkar Lake</p> <p>There is a one tamarind and custard garden near Holkar Lake</p> <p>Palkhi Maidan is on its left side and surrounds also have some Bhakta Nivas .</p> <p>Tourist comes near by places of the lake if we developed boundary of lake it become one of the tourist point .</p> <p>And in jejuri there is no such garden area</p> <p>Proposal is to Lake Front / Boundary Development .</p> <p>LEGEND</p> <ul style="list-style-type: none"> Mahadwar road Holkar lake surroundings  <p>KEY PLAN</p>	 <p>Tamarind garden</p>

STREETScape OF MHADWAR ROAD:	CASE STUDY REPORT STUDY AREA : JEJURI ARCHITECTURAL CHARACTER
 <p>MAP OF HERITAGE STRUCTURE ON MAHADWAR ROAD</p>  <p>STREETSCAPE OF MAHADWAR CHOWK (B)</p>  <p>STREETSCAPE OF MAHADWAR CHOWK (A)</p>  <p>PHOTOGRAPH SHOWS THE HOUSING TYPOLOGY ON MAHADWAR ROAD</p>	 <p>PHOTOGRAPH SHOWS THE HOUSING TYPOLOGY ON MAHADWAR ROAD</p>

BALLAESHWAR TEMPLE STEPWELL	CASE STUDY REPORT STUDY AREA : JEJURI ARCHITECTURAL CHARACTER
 <p>PHOTOGRAPHS OF TEMPLE IN STEPWELL</p>  <p>PHOTOGRAPHS OF STEPWELL</p> <ul style="list-style-type: none"> As one arrives at the entrance one is welcomed with a "Tulsi Vrindavan" and the column bases of supposed to be "nandi mandapa". The two staircases flanged on either sides of the entrance takes to the upper level promenade which merges with the dam wall. 	 <p>Key Plan of JEJURI</p> <p>Inferences</p> <ul style="list-style-type: none"> The architectural style of these baras is Maratha Architecture style.  <p>Schematic Sectional Plan Of Stepwell</p> <p>Reference: https://www.google.com/maps/@18.541234,73.851234,15z</p>

JEJURI TEMPLE COMPLEX	CASE STUDY REPORT STUDY AREA : JEJURI ARCHITECTURAL CHARACTER
<p>HISTORY OF JEJURI TEMPLE</p> <ul style="list-style-type: none"> The temple was initially constructed in 1608 AD. The Sabhamandapa and other parts were completed in 1637 AD by a Marathi chief, Ragho Mambaji. The peripheral rooms and other additions were done by the Holkar rulers. The pillars were added in 1742 AD and Tulaji Holkar completed the battlements and the tank in the year 1770 AD. The main Jejuri Khandoba Mandir is located on the Karhe Pathar, a mountain about 300 meters above the present temple complex. Over the centuries, the shepherd communities who consider Khandoba as their family deity have added gateways, the improved flight of steps, constructed deepmalas, cloisters, nagarhanas etc. People who have had their wishes fulfilled too have added many structures. The temple is on a hill at an elevation of 718 m The temple is accessed by climbing nearly 200 steps. The eight-sided, 350 yards (320 m) long fort boundary encloses a cloister courtyard, with the main temple shrine at the center. <p>ARCHITECTURE OF JEJURI TEMPLE</p> <ul style="list-style-type: none"> All additions to the original temple fit in a pattern to Marathi architectural structure. The temple has minarets and chhatris around the corners, the surrounding cloisters have pointed stone arches with grills or windows. The temple has an old Portuguese bell and a huge brass plated tortoise of 7 meters diameter which is used for the ritual of distributing turmeric and dry coconut. Nana Phadnis the regent of Peshwas of Pune offered one hundred thousand silver coins for the fulfillment of a vow. These coins were converted partly into ceremonial silver images and other into ornamental mahirap (background). There are three sets of murtis (images) at Jejuri which show the craftsmanship of jewelers, coppersmiths, and other artisans.  <p>FLOOR PLAN OF JEJURI GADKOT TEMPLE</p>  <p>LONGITUDINAL SECTION OF JEJURI GADKOT TEMPLE</p> <ol style="list-style-type: none"> NORTHERN MAHADWAR EAST STAIRWAY EASTERN MAHADWAR DEEPMALA BRASS TURTLE SABHA MANDAPA GARBHA GRIHA TULJA BHAVANI TEMPLE PANCHLINGA TEMPLE PLACE OF TALU BHANDAR ANNAPURNA TEMPLE WATER TANK BHULESHWAR TEMPLE WESTERN MAHADWAR SOUTHERN CLOISTERS NORTHERN CLOISTERS KALASA LVL KALASA LVL SHIKHARA LVL TERRACE LVL GL LVL 	<p>Inferences :</p> <ul style="list-style-type: none"> The temple complex of khandoba has been constructed in various phases with important jeernodhara happening in 1637 ce during the early marathi period & in 1735 ce during the peshwa period. This temple is built in the marathi style which was in turn influenced by islamic and rajput architecture. The construction material is granitic basalt – that is liberally and readily available in the deccan traps. <p>Reference: https://www.google.com/maps/@18.541234,73.851234,15z</p>

Sinhgad College of Architecture, Pune.



Land Use Map
(The entire area has high to medium income residents)

Existing Landuse Survey Details Sector IV			
Zone	Percentage	Zone	Percentage
Agriculture(A)	0.20	Residential(R)	71.42
Commercial(C)	1.82	Recreational Space(RS)	2.22
Defence(D)	1.96	Slum(SL)	3.08
Hill Slope(HL)	13.56	Transport and Comm(TC)	0.02
Industrial(I)	1.01	Under Construction(UC)	0.11
Mix Land Use(ML)	4.80	Vacant(V)	3.43
Public-Semi Public(PSP)	6.71	Water Bodies(WB)	6.31
Public Utilities(PU)	0.37	Roads(RD)	32.97

SKYLINE :



LOCALITY INTRODUCTION AND NEIGHBOURHOOD :

- Shivajinagar is a residential suburb situated on the West banks of Mutha River in the Central part of Pune.
- Shivajinagar is located close to Platinum Tech Park and the MH SH44 passes through this area, because of which demand for the real estate sector is growing exponentially.
- Shivajinagar is bounded by numerous prime localities like Budhwar Peth, Erandwane, Bhayva Wadi, Khadi, and Aundh. Many big-name developers in Shivajinagar are Rohan Builders and Developers Pvt Ltd, A/Vikram & Co., Karan Group Promoters and Builders, Ashray Developers, and Rohan Group. Multiple residential plots, multi-storey apartments, and independent houses are available in Shivajinagar.

PHYSICAL INFRASTRUCTURE :

- MH SH44 and Old Mumbai Pune Highway runs through this area connecting to major parts of across the country.
- MSRTC (Maharashtra State Road Transport Corporation) buses provide good connectivity to the cities around Maharashtra while PMPML (Pune Mahanagar Parivahan Mahamandal Ltd) local buses are run frequently from this area.
- Shivajinagar has its own railway station while Pune International Airport is located just 13km away, which can be reached via Airport Road.

SOCIAL AND RETAIL INFRASTRUCTURE :

- Few top-notch educational institutes that are located within a short distance include Sharad Pawar International School, City International School, The Lexicon International School, Gorkha International School, and Cambridge International School. Metropolis Healthcare LTD, SBF Healthcare Centre Pune, and few other famous healthcare centres lie in close proximity to this area.
- The Pavillion and Decan 99 Mall are the prominent shopping centres situated in the neighbouring areas.

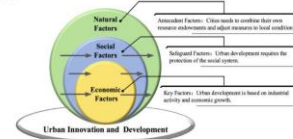
NEARBY EMPLOYMENT HUBS :

- Platinum Tech Park (400m), BNY Mellon Innovation Centre (11km), ICC Devi Gaurav Technology Park (12km), and Cluster A, EON IT Park (14km) are numerous tech parks that are in proximity to this area.
- Hadapsar is 12km through Mumbai Highway, and Kharghar is 14km via Pune - Ahmednagar Highway while Hinjewadi/Hinjewadi is 15km via Aundh Road. Source: Magicbricks Research

CHECK	STUDIO	SINHGAD COLLEGE OF ARCHITECTURE, PUNE	STAMP
NAME :	BASINI SHARAD PETH		
SUBJECT :	US-II	YEAR : FOURTH YEAR I & ARCH	
DIVISION :	C	ROLL NO. : 12	

RELATIONSHIP BETWEEN URBAN ECONOMY AND URBAN DEVELOPMENT

The relationship between urban economy and urban development is complex and dynamic. Urban development refers to the physical, social, and economic transformation of a city or urban area. Urban economy refers to the economic activities, employment opportunities, and income-generating activities that take place within an urban area. The growth and development of an urban economy are closely linked to urban development. As a city grows and develops, its economic base expands, creating new employment opportunities and attracting new businesses and industries. This, in turn, drives further urban development as more people move to the city to take advantage of these opportunities. At the same time, urban development can also drive the growth of the urban economy. New infrastructure projects, such as highways, bridges, and public transportation systems, can improve the connectivity of a city and make it easier for people and goods to move around. This can attract new businesses and industries to the area, leading to job creation and economic growth. However, the relationship between urban economy and urban development is not always straightforward. Urban development can also lead to negative economic impacts, such as the displacement of low-income residents or the destruction of historic neighborhoods. It is therefore important for cities to carefully plan and manage their development in a way that supports economic growth while also ensuring that it benefits all members of the community. Urban economy and urban development are interrelated and mutually reinforcing concepts. Urban development refers to the process of creating, planning, and managing the physical, social, and economic aspects of urban areas, whereas urban economy refers to the economic activities, employment opportunities, and wealth generation that occur within these areas.



RELATIONSHIP BETWEEN URBAN ECONOMY AND URBAN DEVELOPMENT

In summary, the relationship between urban economy and urban development is interdependent, with each influencing and being influenced by the other. A strong and vibrant urban economy can support and drive urban development, while urban development can create new economic opportunities and improve the overall economic health of a city or region.

The relationship between urban economy, urban development, and architecture is closely intertwined. Architecture is a key component of urban development, as it determines the physical form and character of buildings and public spaces in urban areas. Architecture can also play a significant role in the urban economy, as it affects the value and marketability of real estate, and can attract businesses and investment to a city or region. In many urban areas, architecture is a reflection of the local economy and the urban development that has taken place over time. For example, the historic architecture of older cities often reflects the economic and social conditions of the past, while modernist architecture of the mid-20th century was influenced by the post-war economic boom and the rise of the automobile culture.

The design and quality of architecture can also have a significant impact on the urban economy. Well-designed buildings and public spaces can increase property values and attract businesses and investment to an area. For example, the development of high-quality commercial and residential buildings in a city center can create a vibrant urban core that attracts businesses, residents, and visitors, supporting economic growth and development. Architecture can also be used as a tool for urban development, helping to create more sustainable and livable cities. For example, sustainable design features such as green roofs, solar panels, and rainwater harvesting systems can reduce energy and water consumption in buildings, lowering operating costs and reducing environmental impact. Urban design features such as walkable streets, bike lanes, and public transit can improve mobility and reduce reliance on cars, creating more livable and equitable cities. In summary, architecture plays a crucial role in the relationship between urban economy and urban development. As a key component of urban development, architecture influences and is influenced by the local economy and social conditions. Well-designed buildings and public spaces can support economic growth and development, while sustainable design features can contribute to more livable and sustainable cities.

STREETSCAPE :



ACTIVITY MAPPING :



CHECK	STUDIO	SINHGAD COLLEGE OF ARCHITECTURE, PUNE	STAMP
NAME :	BASINI SHARAD PETH		
SUBJECT :	US-II	YEAR : FOURTH YEAR I & ARCH	
DIVISION :	C	ROLL NO. : 12	

MAJOR LANDMARKS :



- The Indian Meteorological Department (IMD) building at Shivajinagar, opposite the All India Radio premises and diagonally across from the offices of Maharashtra State Board of Secondary School Education, is in the heart of the institutional area of Shivajinagar.



- A Government Facility that Re-imagines the Relationship Between the State and its People.
- Krushna Bhawan is a facility developed for Government of Maharashtra's Department of Agriculture & Farmers' Empowerment; the administrative centre has been designed as an office for a team of nearly 200 people, in addition to accommodating spaces for community engagement and learning.



- Sakhar Sankul is located in Congress House Road / S.S.C Exam Board / Shivajinagar (Pune) / Shivajinagar area of Pune Maharashtra, Congress House Road / S.S.C Exam Board / Shivajinagar (Pune) / Shivajinagar locality is in Pune district of Maharashtra.



- Shivajinagar railway station (earlier Shamburde railway station) is a train station serving Shivajinagar (earlier Shamburde) suburbs of Pune. It has two platforms.
- This is a halt for suburban trains of Pune.
- This station is important because this is the nearest railway station to Pune's Session Court and many important building like the College of Engineering, PAMC building etc.

OTHER LANDMARKS :



POTENTIAL OF AREA :

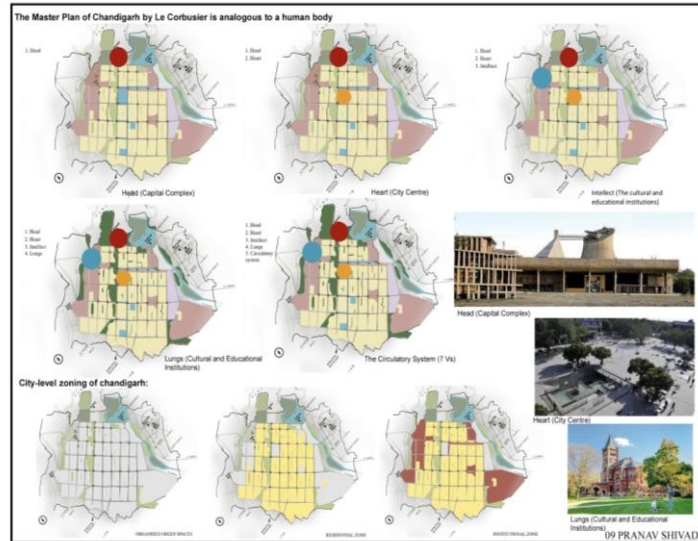
- Well developed area
- Infrastructure being improved
- Beautiful park
- Well known institution
- Prominent landmarks.
- High commercial viability high due to IT and business hubs in the area.

REFERENCES :

- <https://www.punemetrolife.org/>
- <https://themetrolife.org/pune-metro-line-3-project-information-route-map-fares-tenders-updates/>
- <https://www.pmc.gov.in/en/pune-metro-rail-project>
- <https://timesofindia.indiatimes.com/city/pune/pune-shivajinagar-station-will-be-first-to-get-ready-on-underground-metro-rail/articleshow/34772345.cms>
- <https://www.punemetrolife.org/shivajinagar-metro-station-a-sneak-peek-at-a-kind-of-marvel-beneath-pune-building-streets/>

CHECK	STUDIO	SINHGAD COLLEGE OF ARCHITECTURE, PUNE	STAMP
NAME :	BASINI SHARAD PETH		
SUBJECT :	US-II	YEAR : FOURTH YEAR I & ARCH	
DIVISION :	C	ROLL NO. : 12	

Fourth Year US II



PRINCIPLES OF KEVIN LYNCH:



- The concept of edges is seen distinctly in the form of bicycle paths, pedestrian walkways, and plantations along the periphery of the walkways.
- These elements are sensitively designed for all user groups.

EDGES

LANDMARKS



- Sector-level landmarks are identifying characters of the particular sector.

ACTIVITY MAPPING -



Age Group	12 pm	6 pm
Senior citizens, Adults (workers)	Relaxation, Gathering, Maintenance	Walking, jogging, Football

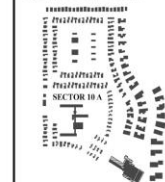


SCOA, PUNE

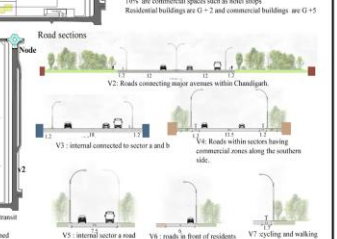
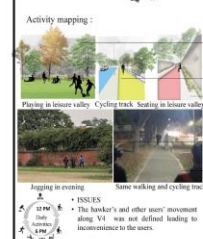


STUDY AREA : SECTOR 10 A & B

Figure ground : Built vs Unbuilt



Building Height and Building Use :



STUDY AREA : SECTOR 10 A & B

SUB : USII	SCOA	STAMP
FOURTH YEAR	02 APURVA PATIL	
DIV : D	09 PRANAV SHIVADE	

PRINCIPLES OF KEVIN LYNCH:

PATHS

Road sections

- This type of bifurcation allows easy transit for everyone.
- Different sections for each typology of the road are designed keeping in mind the activity pattern and density

NODES

Nodes play an important function in the smooth flow of traffic without the need for traffic lights.

The hierarchy of the transportation paths varies with different nodes.

SCOA, PUNE

DESIGN GUIDELINES:

In order to make this space socially interactive, a few guidelines could be proposed. This would increase the foothold in the area contributing to the communal and economic growth.

- Open games to add and improve activities.
- Recreation elements of different parking spaces.
- Temporary food kiosks with seating options.
- Promotion of architecture that would add an appealing and vibrant space for the public.
- Default lighting and walking tracks to avoid accidents.
- Lawn and landscaping along the pathway to add to the aesthetic appeal and improve the visual climate.
- Plaza for all, including communal access.
- Development of seating plans to promote the place.

CURRENT URBAN ISSUES ABOUT RIVERFRONT DEVELOPMENT IN INDIA

1. Riverfront development is often seen as a mere commercial zone, neglecting the social and cultural aspects of the riverfront.
2. Lack of public spaces and greenery along the riverfront.
3. Poor infrastructure and lack of basic amenities.
4. Lack of community participation and ownership.

CHECK Apurva Patil - 02
Nirantari Shinde - 06
Pranav Shinde - 09
Prayanshi Surate - 14
Manasvi Topale - 17

STAMP

PRINCIPLES OF KEVIN LYNCH:

EDGES

The concept of edges is seen distinctly in the form of bicycle paths, pedestrian walkways, and plantations along the periphery of the walkways.

These elements are sensitively designed for all user groups.

LANDMARKS

Sector-level landmarks are identifying characters of the particular sector.

ACTIVITY MAPPING -

Age Group	12 pm	6 pm
Senior citizens	Relaxation, Greeting, Maintenance	Walking, jogging, Fencing classes, Football
Adults (workers)		
Kids		
Teenage		

SCOA, PUNE

DESIGN GUIDELINES:

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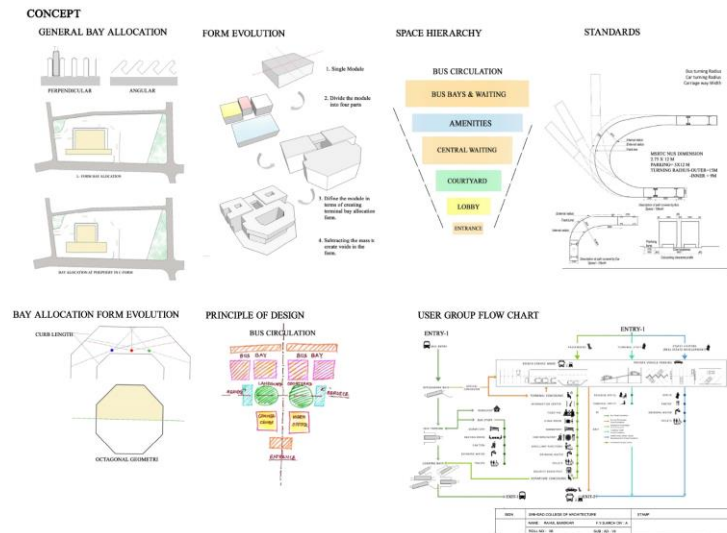
CURRENT URBAN ISSUES ABOUT RIVERFRONT DEVELOPMENT IN INDIA

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CHECK Apurva Patil - 02
Nirantari Shinde - 06
Pranav Shinde - 09
Prayanshi Surate - 14
Manasvi Topale - 17

STAMP

Fourth Year AD VII





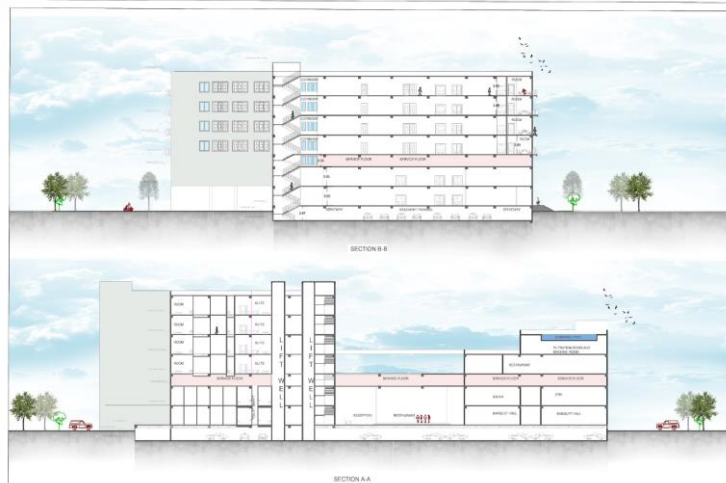
SITE PLAN

SCALE: 1:300

DATE	20/05/2024	PROJECT	3 STAR HOTEL
DESIGNER	SAHIL K. K.	CLIENT	SAHIL K. K.



VIEWS - BUS TERMINUS



SECTION B-B

SECTION A-A

HOTEL DESIGN

SECTIONS

SCALE: 1:300

3 STAR HOTEL

DATE	20/05/2024	PROJECT	3 STAR HOTEL
DESIGNER	SAHIL K. K.	CLIENT	SAHIL K. K.



NORTH SIDE ELEVATION

EAST SIDE ELEVATION

HOTEL DESIGN

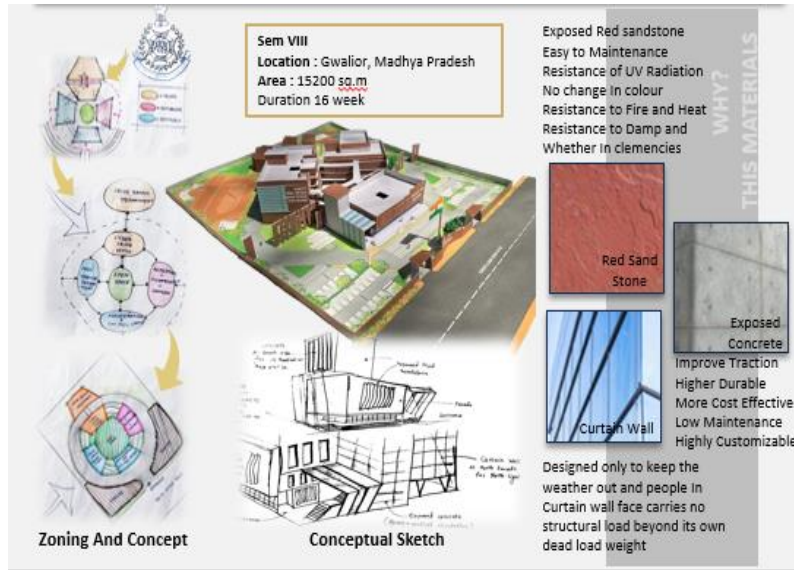
ELEVATIONS

SCALE: 1:300

3 STAR HOTEL

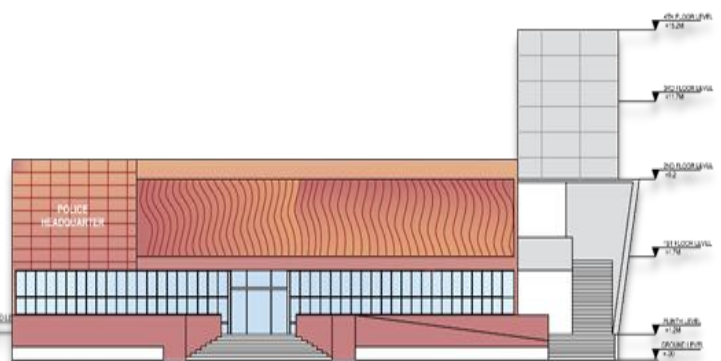
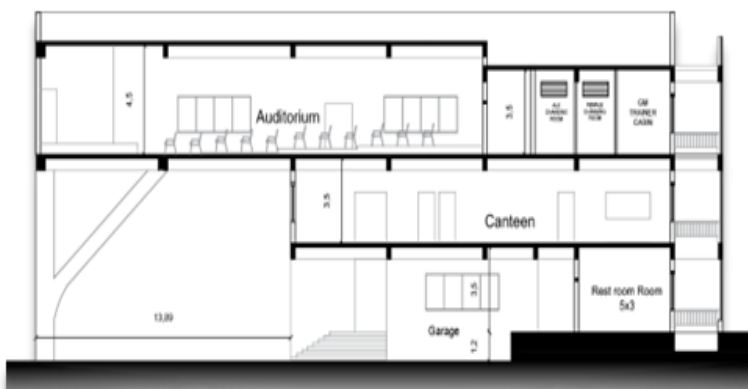
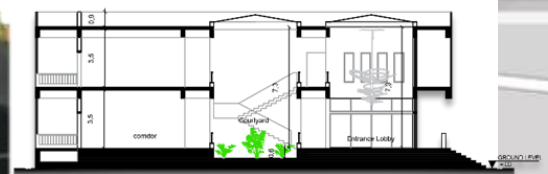
DATE	20/05/2024	PROJECT	3 STAR HOTEL
DESIGNER	SAHIL K. K.	CLIENT	SAHIL K. K.

Fourth Year AD VII



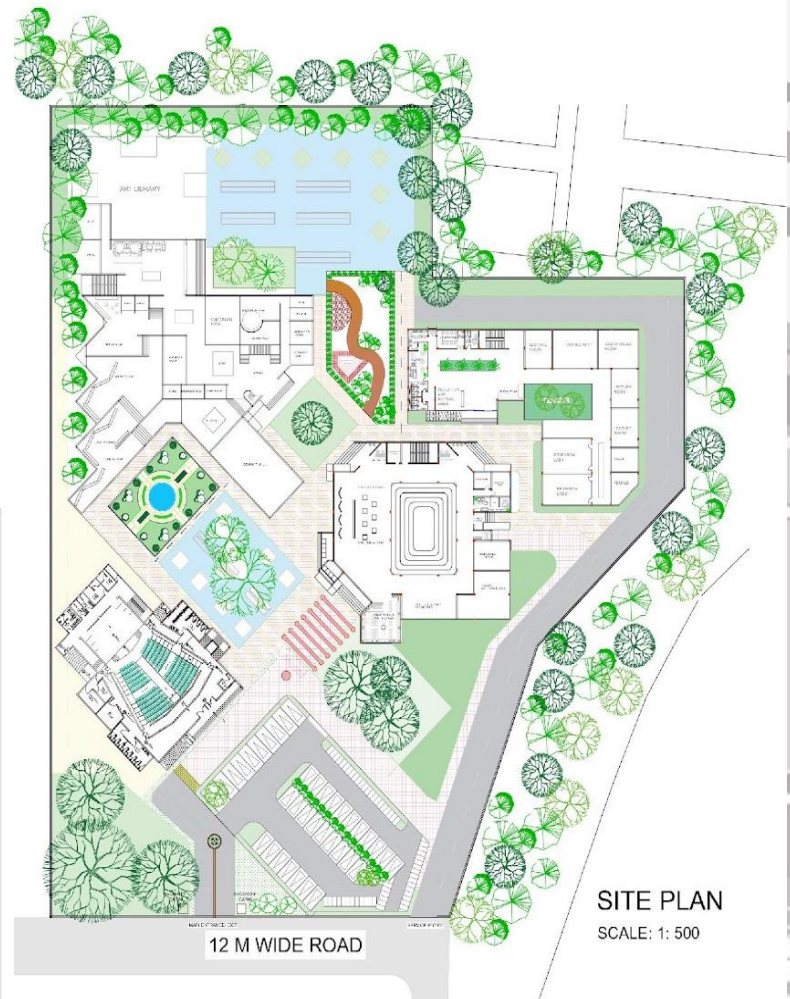
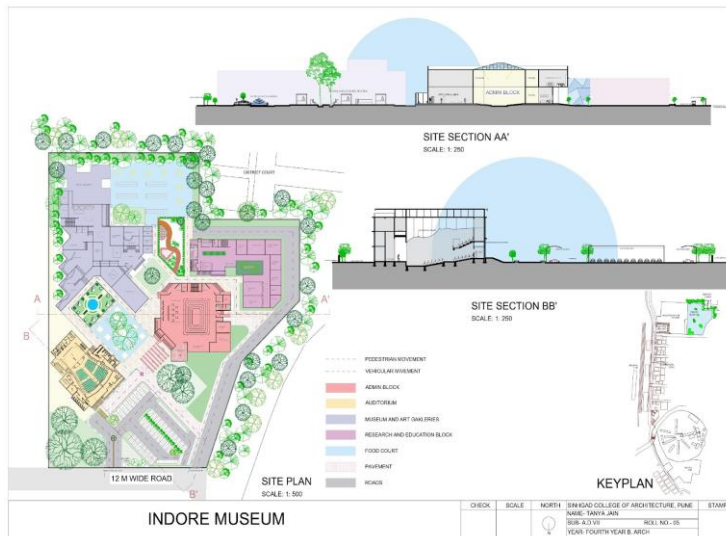
Police Headquarters, Gwalior



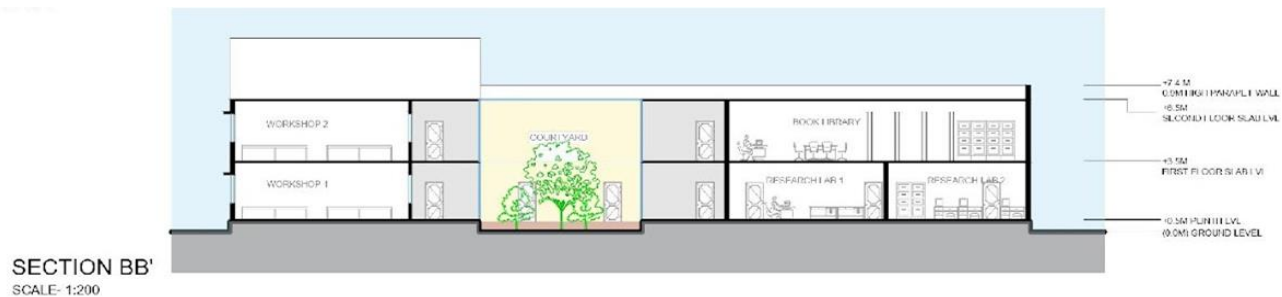
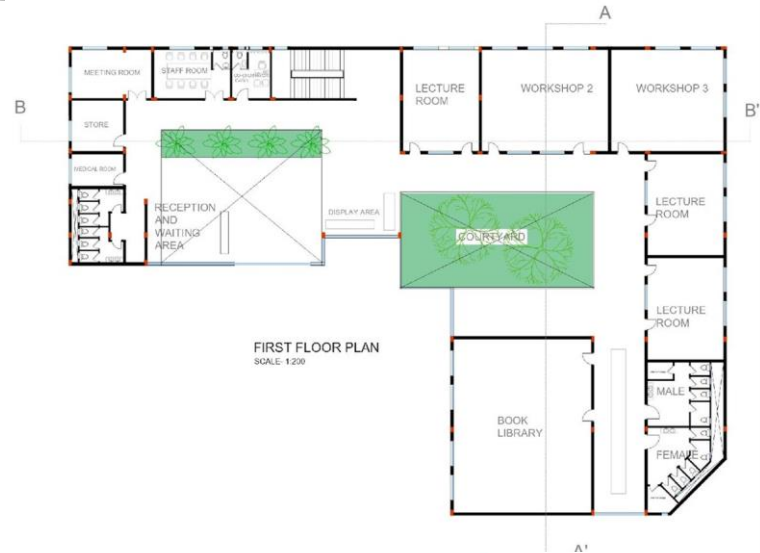


Fourth Year AD VII

Museum, Indore – Tanya Jain



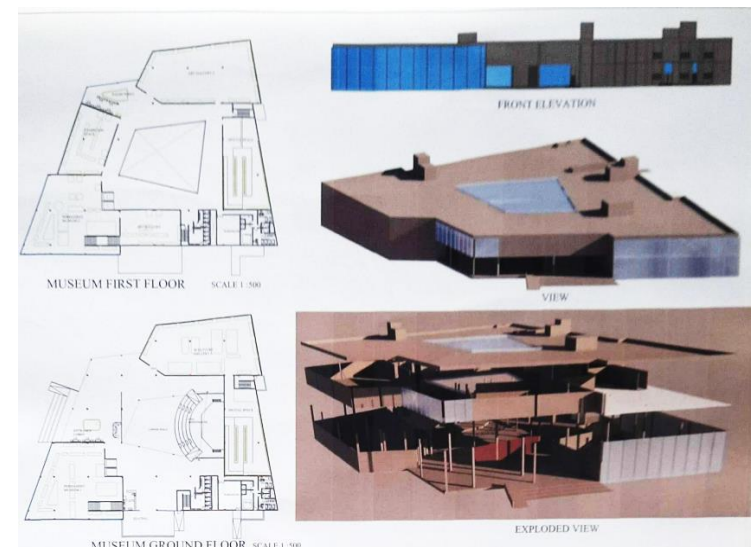
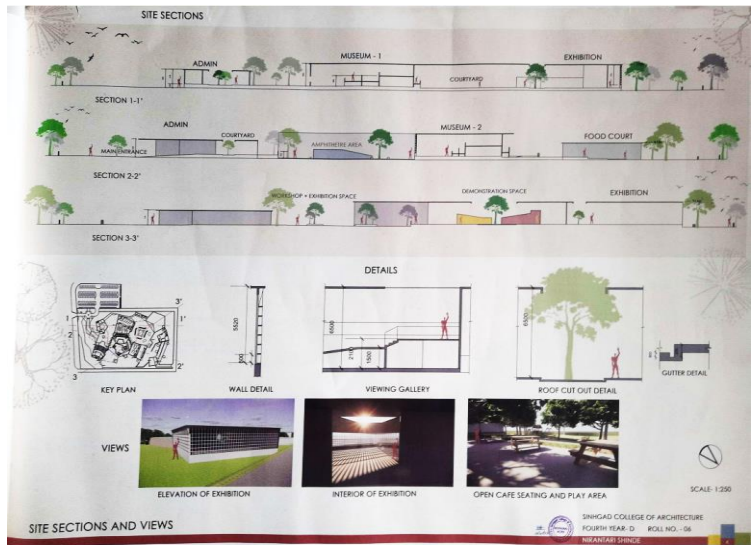
Sinhgad College of Architecture, Pune.



Fourth Year AD VII



Experience Center, Chandigarh – Pranav Shivade



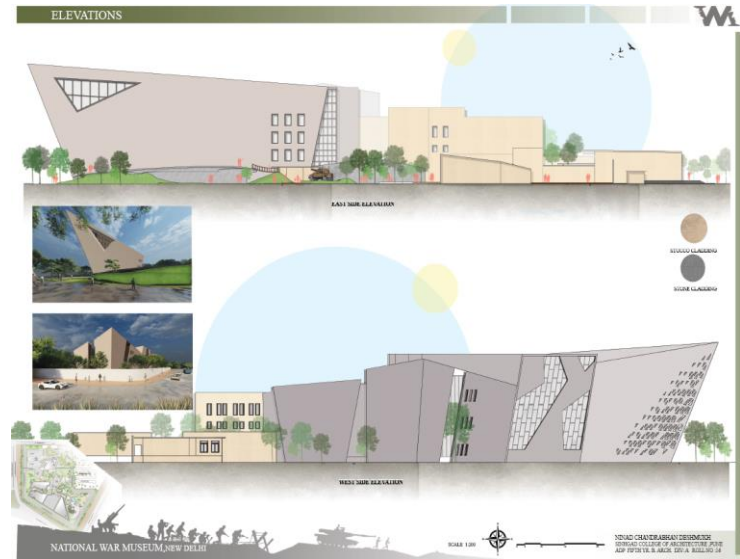
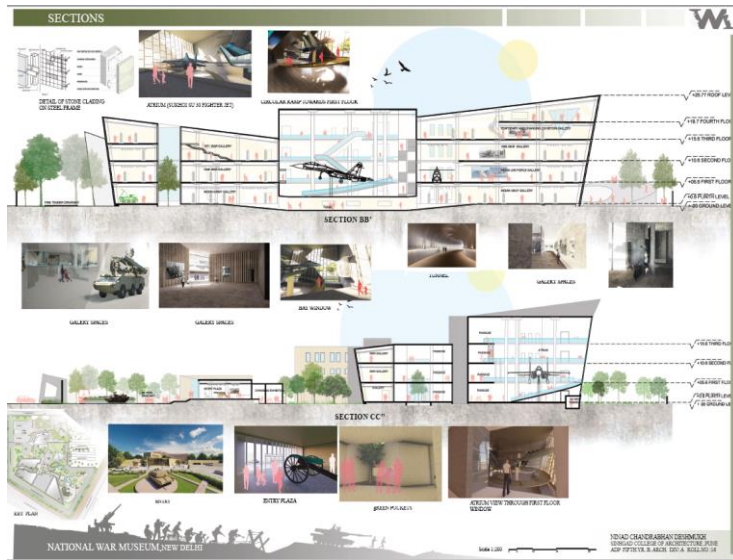


ADP Final Year



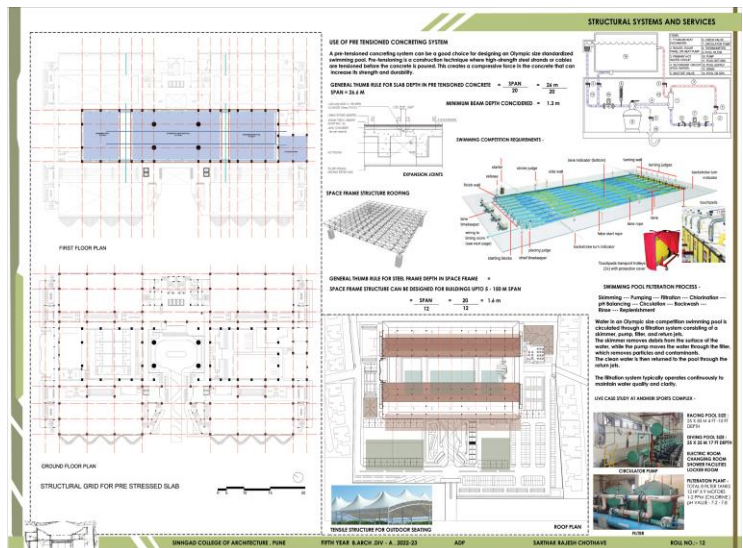
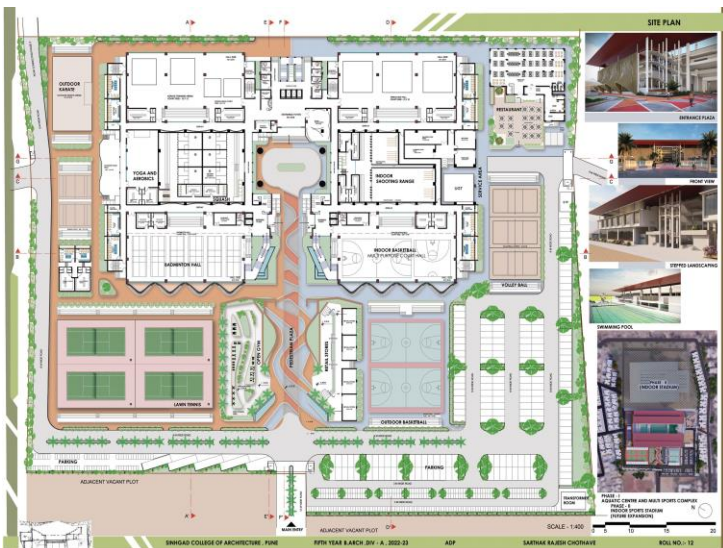
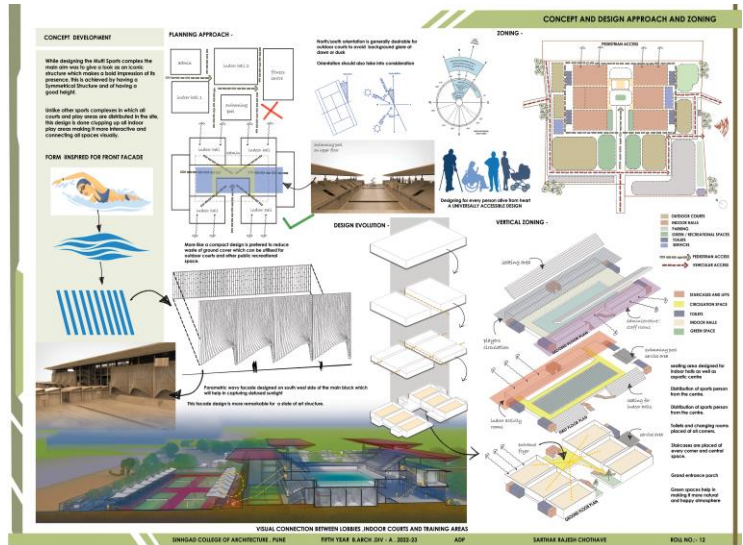
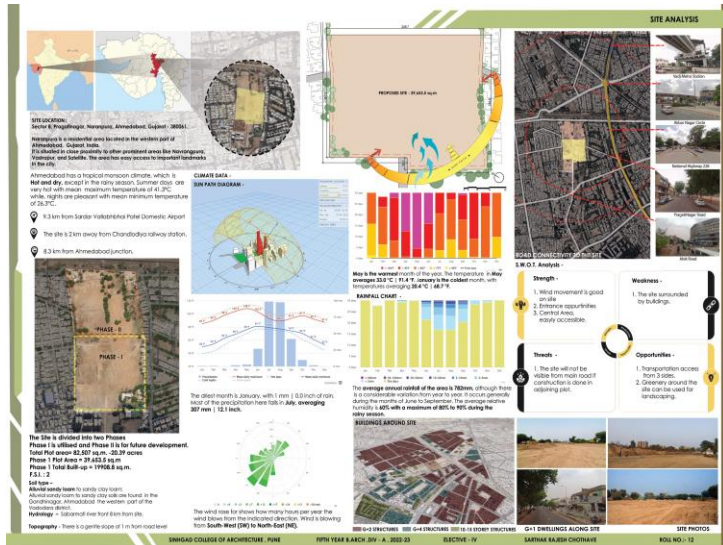
National War Museum- Ninad Deshmukh

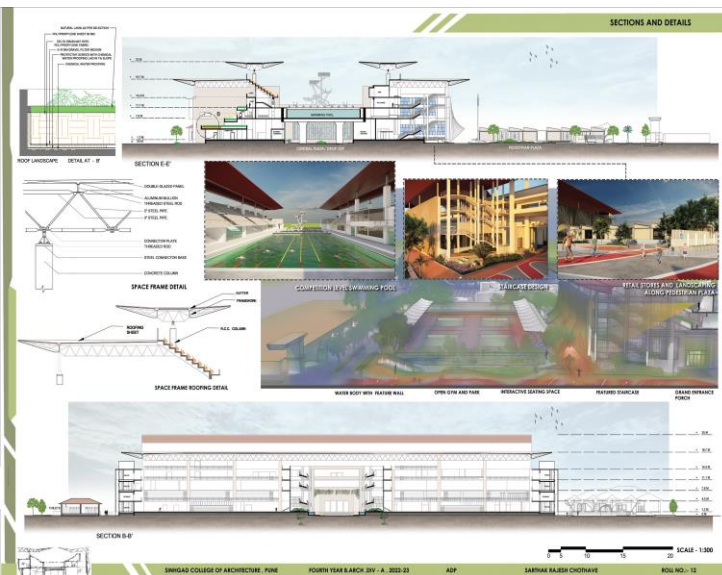
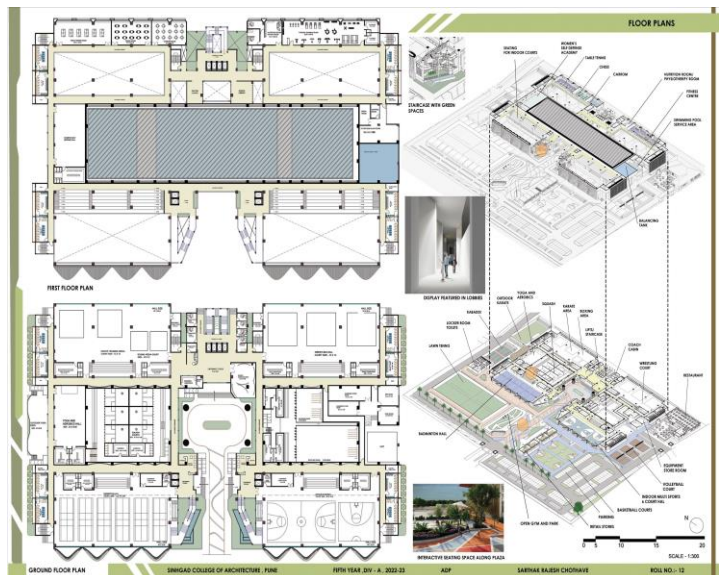
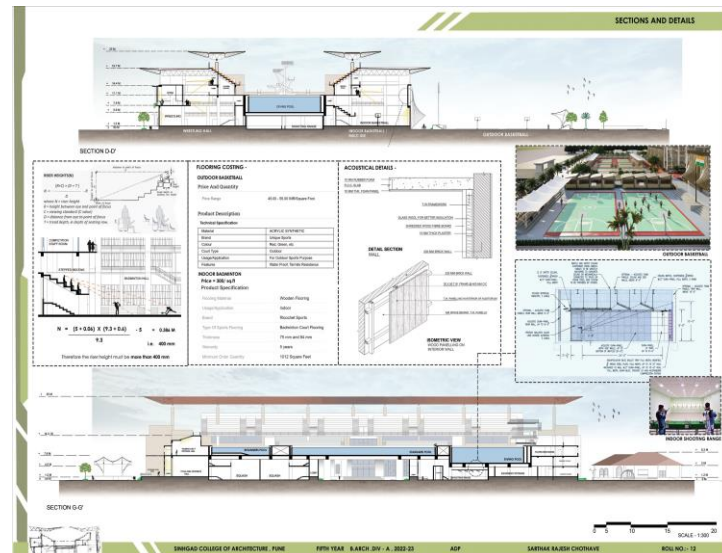
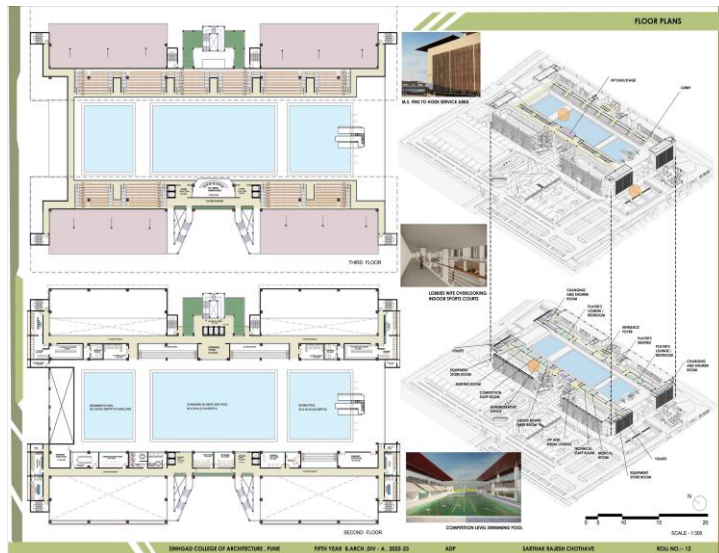


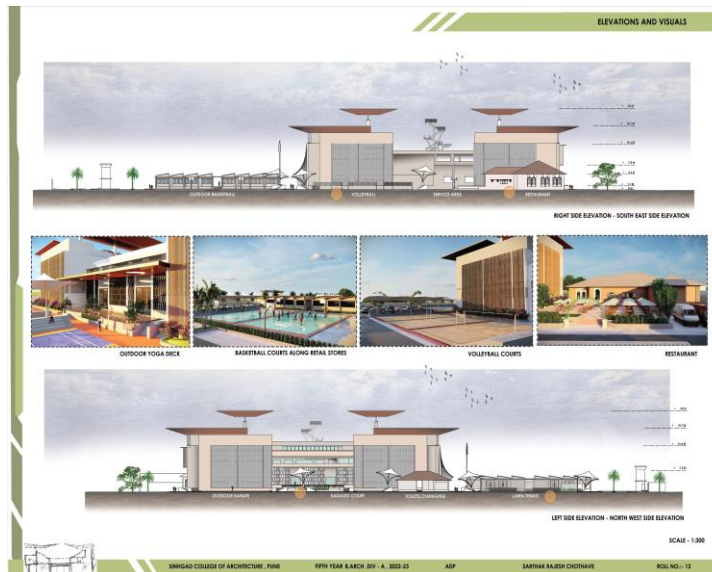


ADP Final Year

Multi Sports Complex at Ahmedabad- Sarthak Chothave







ADP Final Year

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LANDSCAPE

1. The landscape design is a key element of the overall design, and it should be integrated with the building design from the early stages of the project. The landscape design should consider the building's form, function, and context, and it should create a cohesive and harmonious environment.

2. The landscape design should also consider the building's sustainability goals, such as reducing energy consumption and improving air quality. The landscape design can achieve this by using native plants, creating a green roof, and installing a rainwater harvesting system.

3. The landscape design should also consider the building's social goals, such as providing a space for community activities and improving the building's accessibility. The landscape design can achieve this by creating a public plaza, installing a wheelchair ramp, and providing a parking space for people with disabilities.

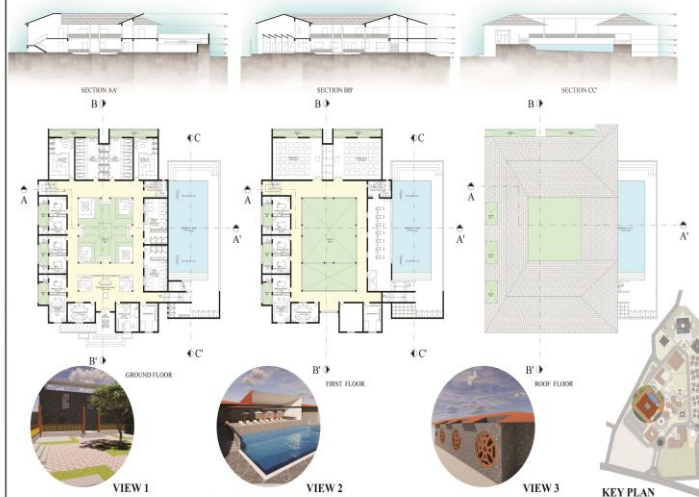
4. The landscape design should also consider the building's aesthetic goals, such as creating a visually appealing and inspiring environment. The landscape design can achieve this by using a variety of plants, creating a water feature, and installing a sculpture.

WELLNESS RETREAT CENTER AND RESORT

ARCHITECTURAL DESIGN BY : SHREYAS ARUN KORADE

SINHAAD COLLEGE OF ARCHITECTURE | FINAL YEAR DESIGN 2022-23

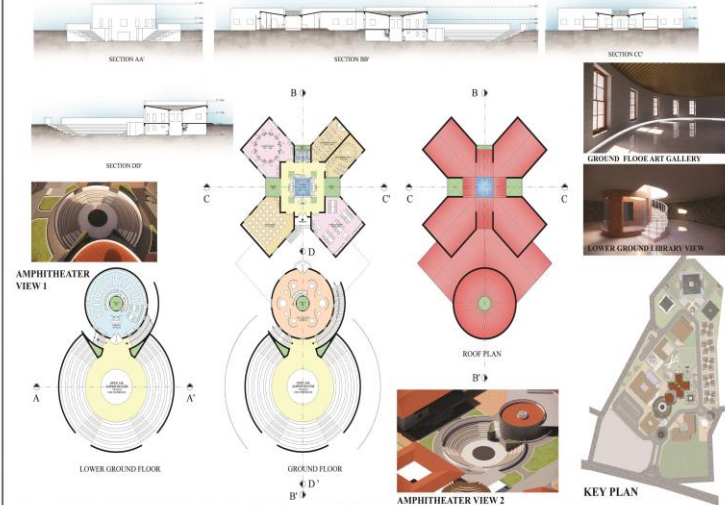
TREATMENT AND THERAPY



WELLNESS RETREAT CENTER AND RESORT

ARCHITECTURAL DESIGN BY - SHREYAS ARUN KORADE
SINHGAD COLLEGE OF ARCHITECTURE / FINAL YEAR THESIS 2020-21

AMPHITHEATER AND HEALING ARTS STUDIOS



WELLNESS RETREAT CENTER AND RESORT

ARCHITECTURAL DESIGN BY - SHREYAS ARUN KORADE
SINHGAD COLLEGE OF ARCHITECTURE / FINAL YEAR THESIS 2020-21

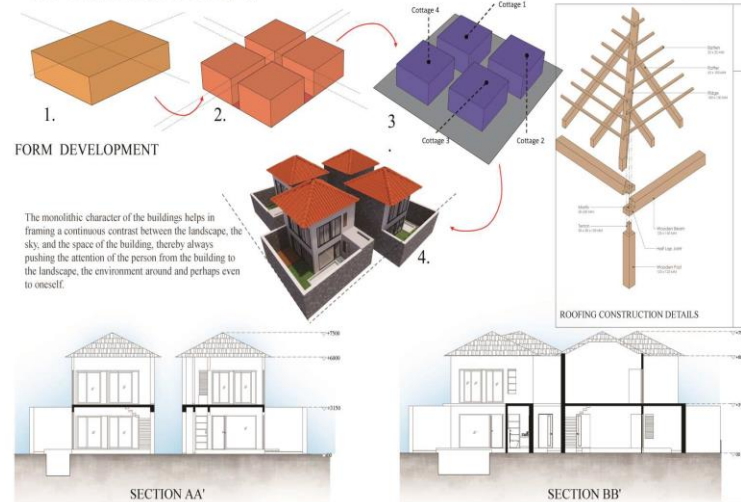
SUITES AND STAFF QUARTERS

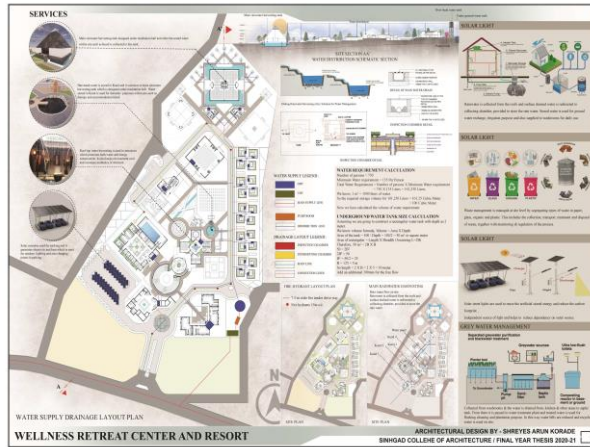
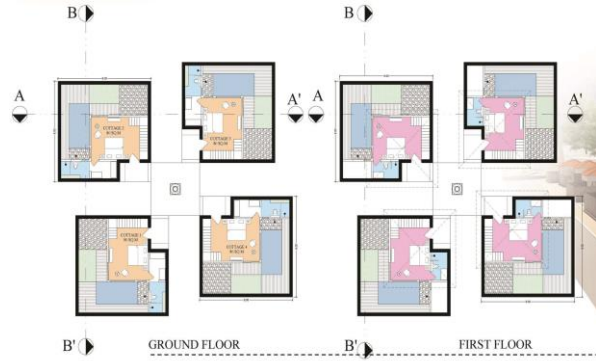


WELLNESS RETREAT CENTER AND RESORT

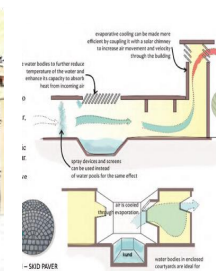
ARCHITECTURAL DESIGN BY - SHREYAS ARUN KORADE
SINHGAD COLLEGE OF ARCHITECTURE / FINAL YEAR THESIS 2020-21

COTTAGES TYPE 2

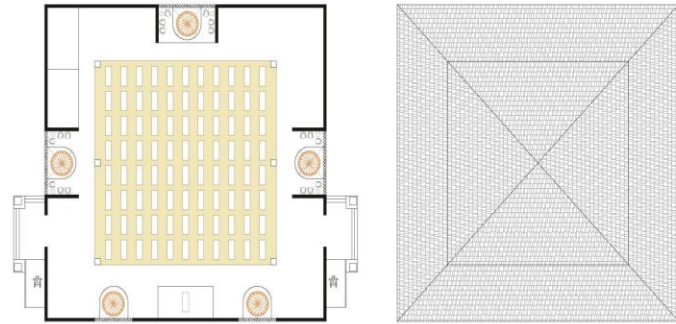




PERGOLA - Meet up point



- CENTRAL COURTYARD



GROUND FLOOR

ROOF FLOOR

VIEWS

YOGA HALL PLAN



VIEW 1 :STATUE OF BUDHHA



VIEW 2 :OUTDOOR SEATING



VIEW 3: WATER KUND



VIEW4 : SENSORY PATHWAY



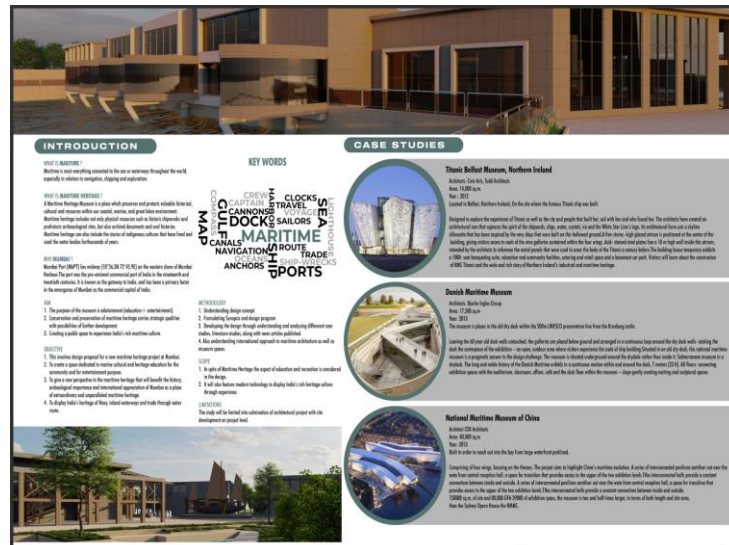
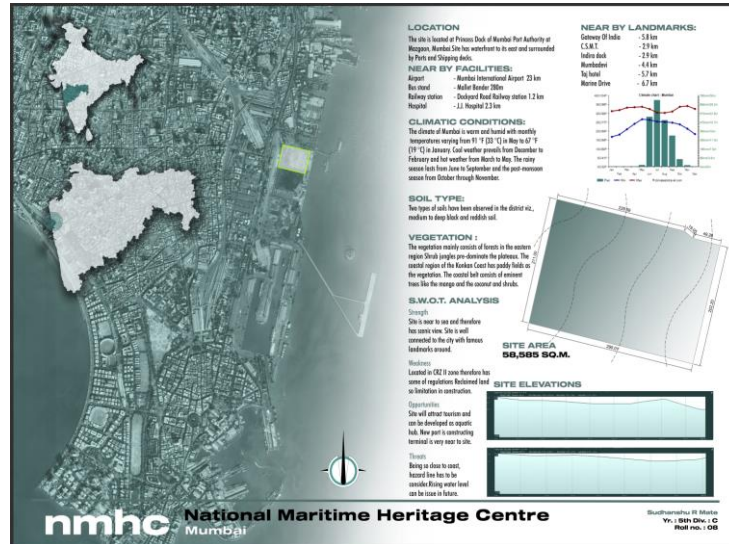
VIEW 5: MEDITATION HALL



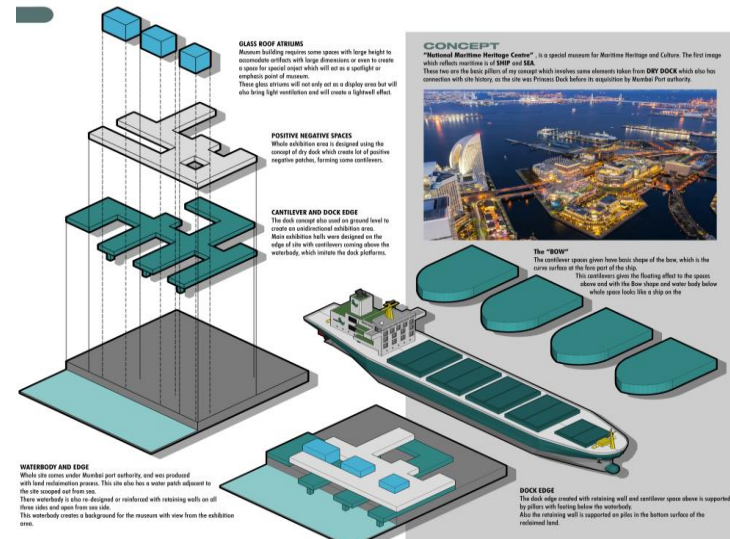
VIEW 6: SEMI OPEN PLAZA

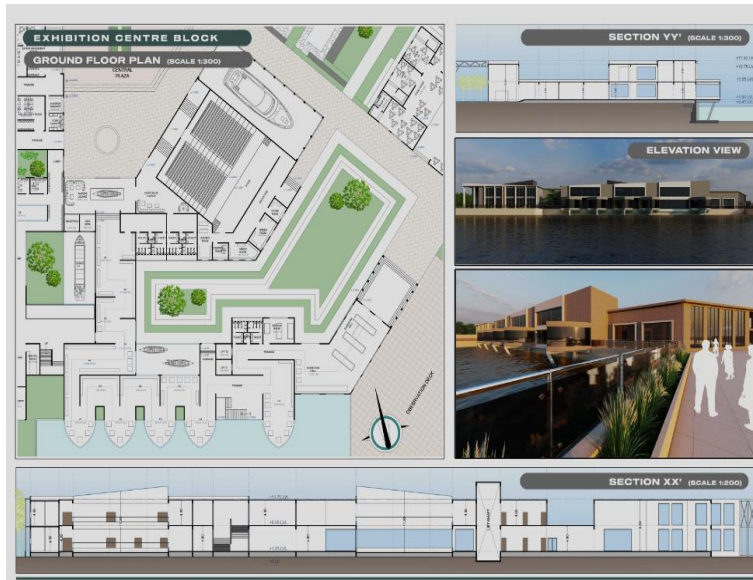


KEY PLAN

ADP Final Year

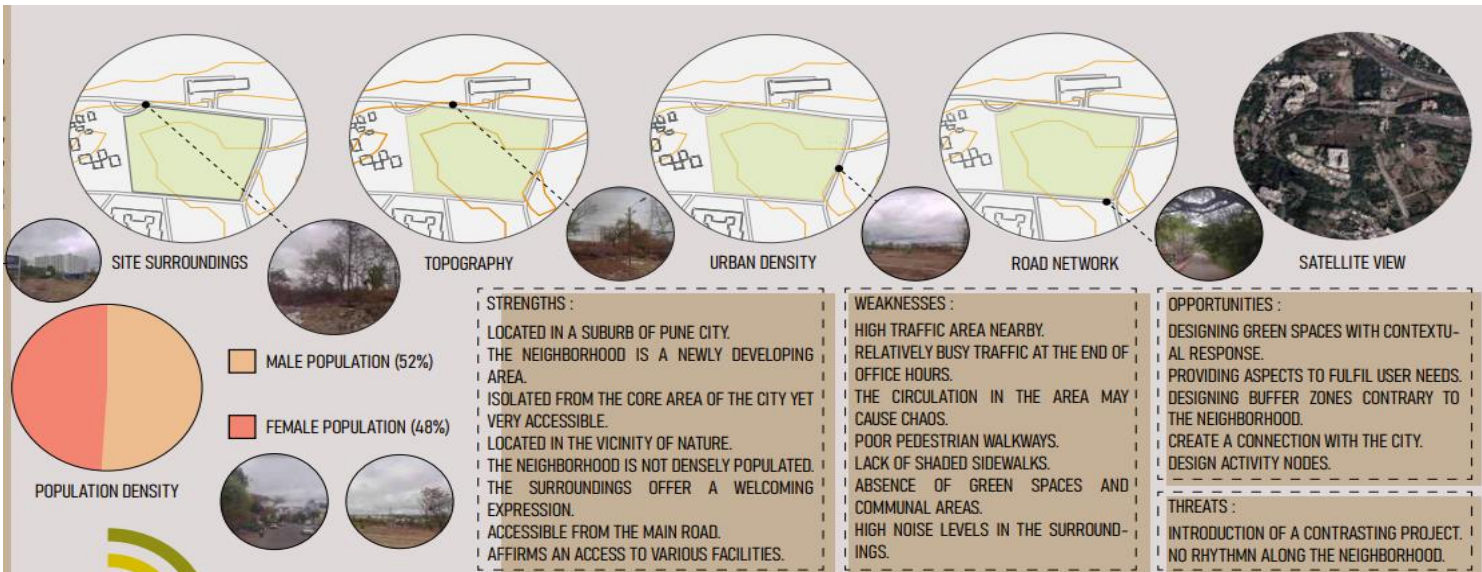
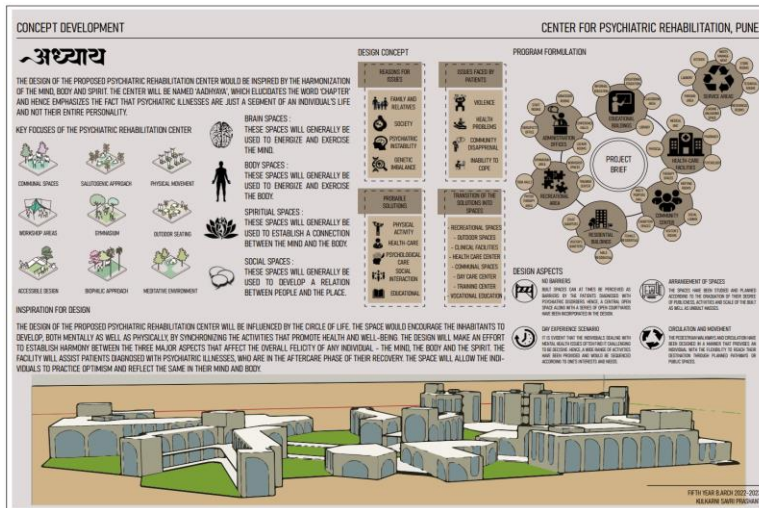
National Maritime Heritage Center – Sudhanshu Mate

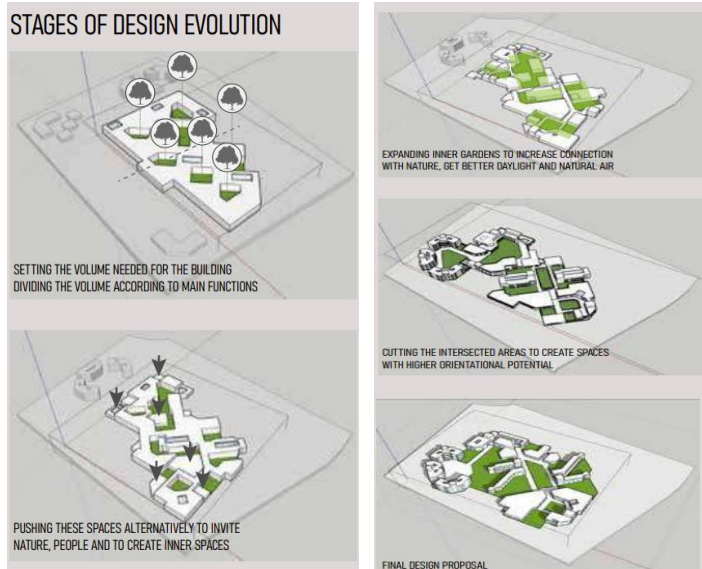
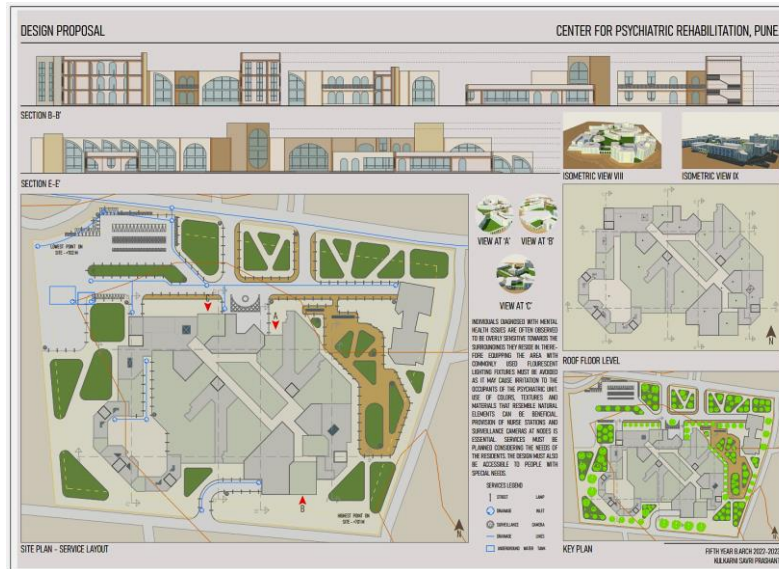
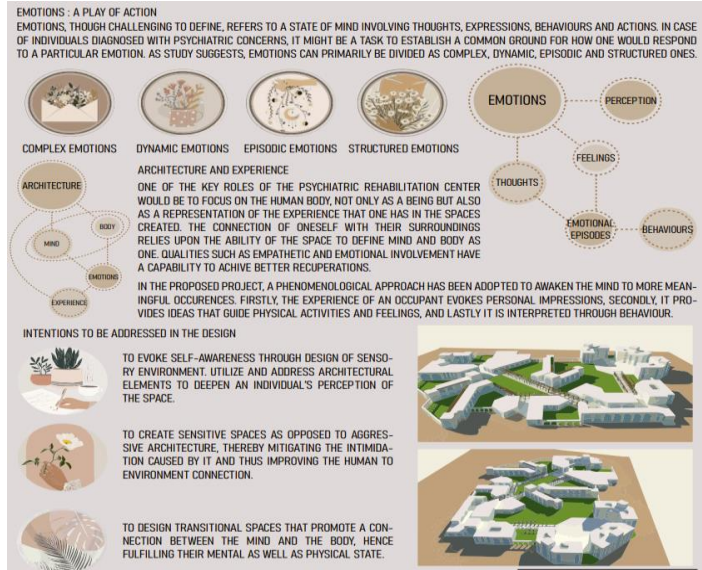
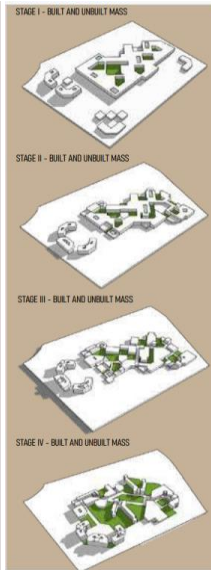
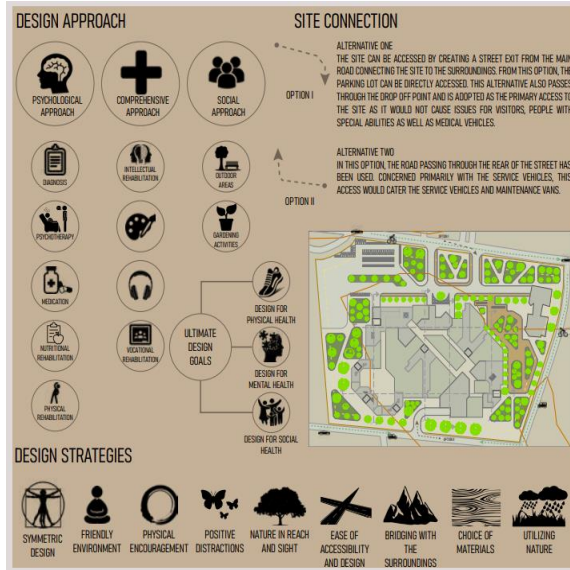




ADP Final Year

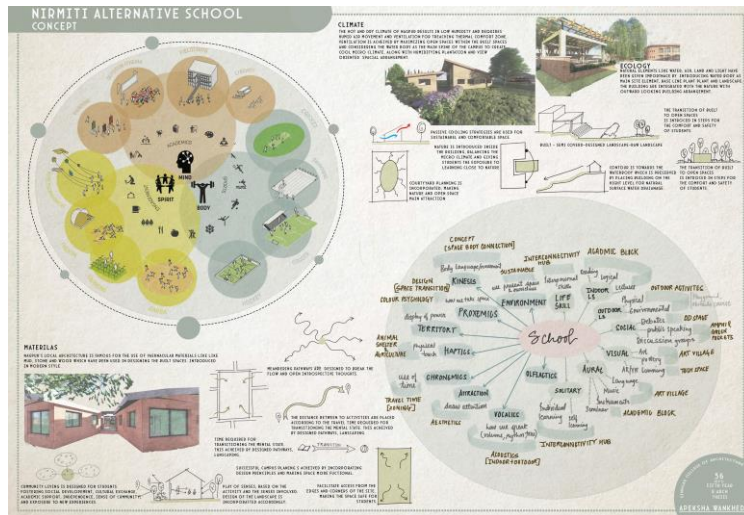
Center for Rehabilitation of people diagnosed with psychiatric illness, Pune– Savri Kulkarni



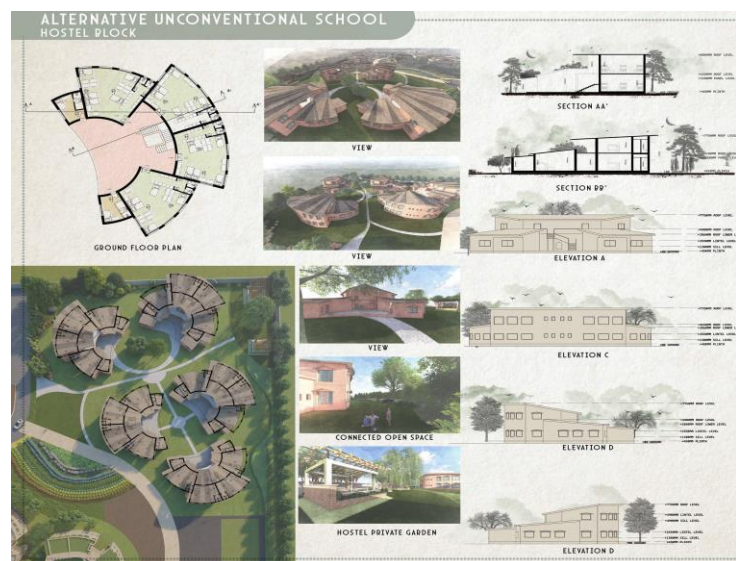
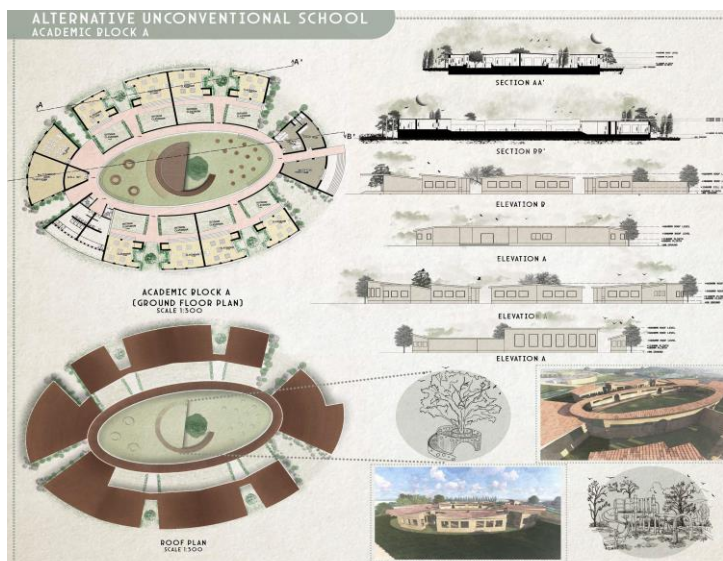


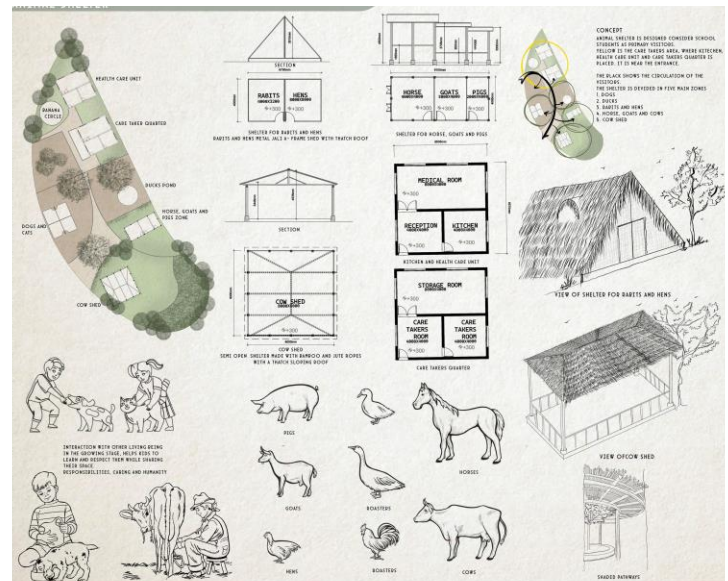
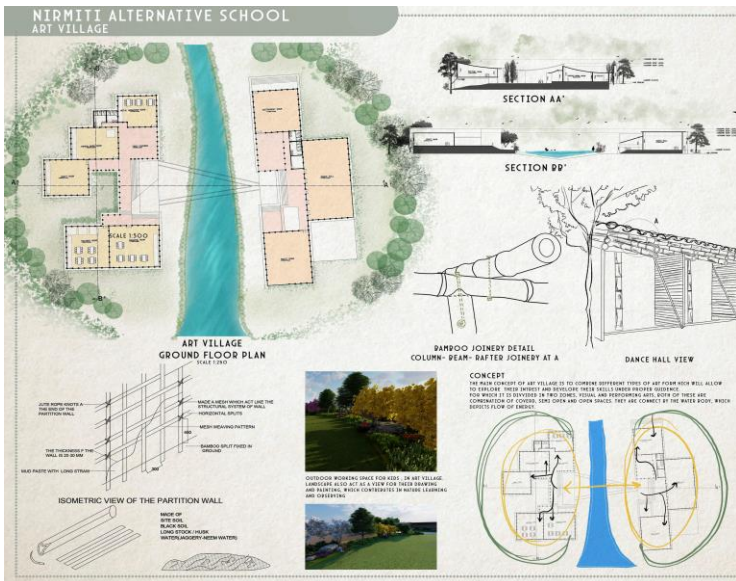
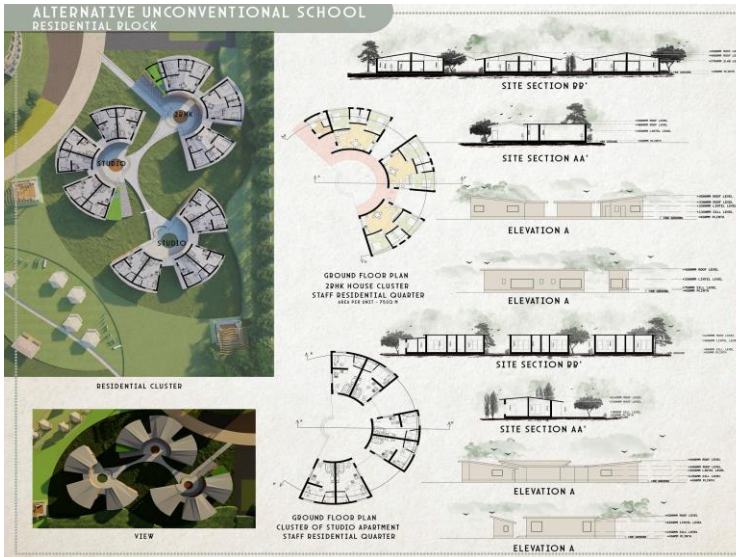
ADP Final Year D division

Nirmiti, an alternative school in Nagpur- Apeksha Wankhede



ADP Final Year D division



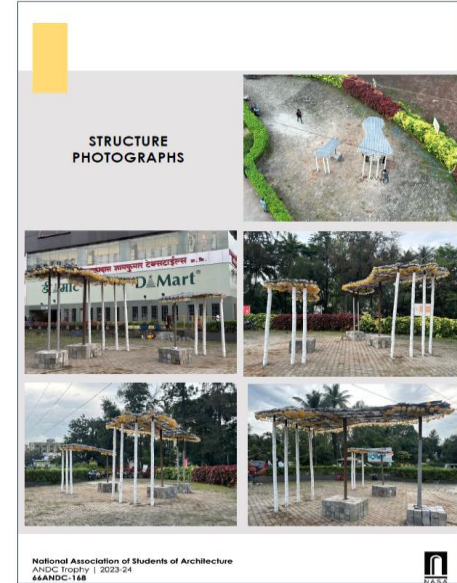
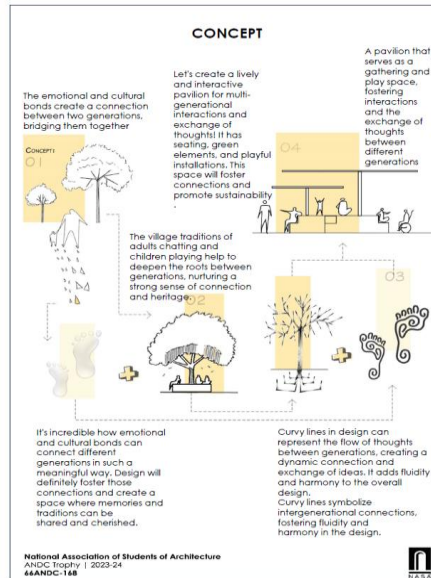


NASA WORK

NASA - ANDC TROPHY


This year NASA Annual Convention took place at Earanad Knowledge City, Manjeri, Kerala from 29th Feb 2024 to 3rd March.

Total 13 delegates and 1 Unit Secretary and 1 Unit designee participated in the convention. SCOA participated in ANDC trophy.



DESIGN PROPOSAL

4.1. Design Intention (Concept)





As we are working on the theme of ASSEMBLAGE, that means to gather people, the concept of "UNITY ENCLAVE" in design also refers to the same idea that, individual components or elements of a design come together to create a cohesive and integrated whole.

In this approach, we have considered how each part contributes to the overall **functionality, aesthetics, and user experience** of the design. It emphasizes the importance of harmonizing individual elements to ensure that the final design works effectively and looks visually appealing as a complete entity.

- The Pavilion comprises enormous quantities of wooden boxes which have some kind of stories, sensory aspect, mythological characteristic behind each box. This connects emotionally and stands together as a whole unit whereas boxes overlap to form a whole through volumetric interpenetration; for example, in our case a series of overlapping boxes creates an **enclaved space**.
- The most direct relationship between 'unity enclave' is their connection with themselves where unity is non-tangible concept i.e., it depicts emotions, it is connecting the structure and people emotionally with surrounding environment. Whereas enclave is tangible i.e., it structurally emphasizes the pavilion and together they create wholeness and make impact
- Our pavilion is a designated space or environment intentionally designed to promote and encourage empathy towards the environment among individuals. As we are following the postulate of the 3Rs , it automatically reduces the carbon footprint.

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DESIGN PROPOSAL

4.3 About Material

One of the most naturally renewable resource materials, wood has provided solutions to the growing environmental sustainability concerns in the world today. Wood waste can be recycled and transformed into innovative design for people. Wood not only has screw holding ability but also good sanding and staining properties, excellent working properties and appropriate outdoor usage properties. Also, being the light natural raw material that wood is, it further enables the handling process to become easier and more comfortable.

It's eco-conscious nature of properties is the reason why sustainable construction is predicted to reach new heights in the near future.





Fund Raising

As we were searching for materials we came across two construction sites. When we asked them for materials, they supplied it to us without any hesitation. They were more than happy to do so, because they liked our design, concept and the cause for which we were constructing. Not only did they provide us with materials, but also offered to fund the project.

The firms that helped us were
Archcon, Kothrud, Pune
Studio PPBA, Nal stop, Pune

National Association of Students of Architecture
ANANDC 146



REFERENCES

4.5 Post-Design Activity Mapping

After the execution of pavilion, People were happy to use such space, as the design is universal people of different age groups are seen using the pavilion and interacting with each other which reflects on the concept "unity enclave". Following activities were observed, which includes children playing with rotating kullad (sensory aspect of touch), old people were fascinated with mythological paintings, youth found the pavilion to be very peaceful and connecting with environment.

Overall, aim objective and target was fulfilled, people were able to connect with each other and enjoy the place and the motive of ASSEMBLAGE was successfully achieved.

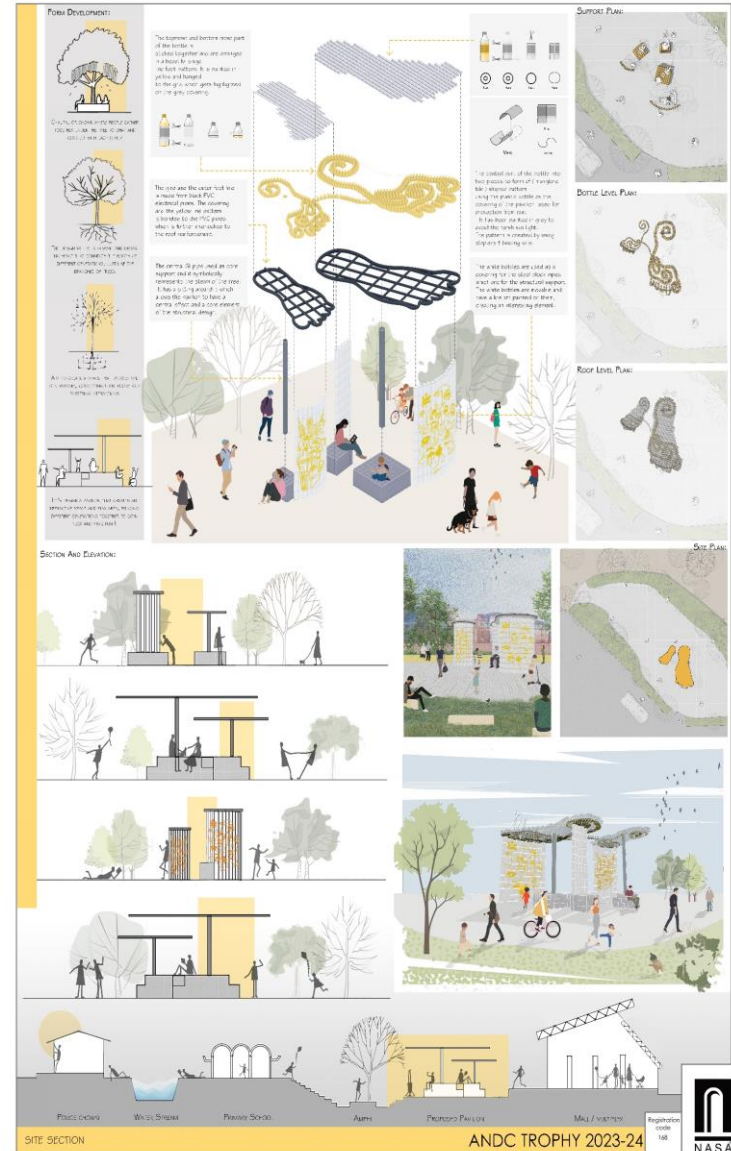


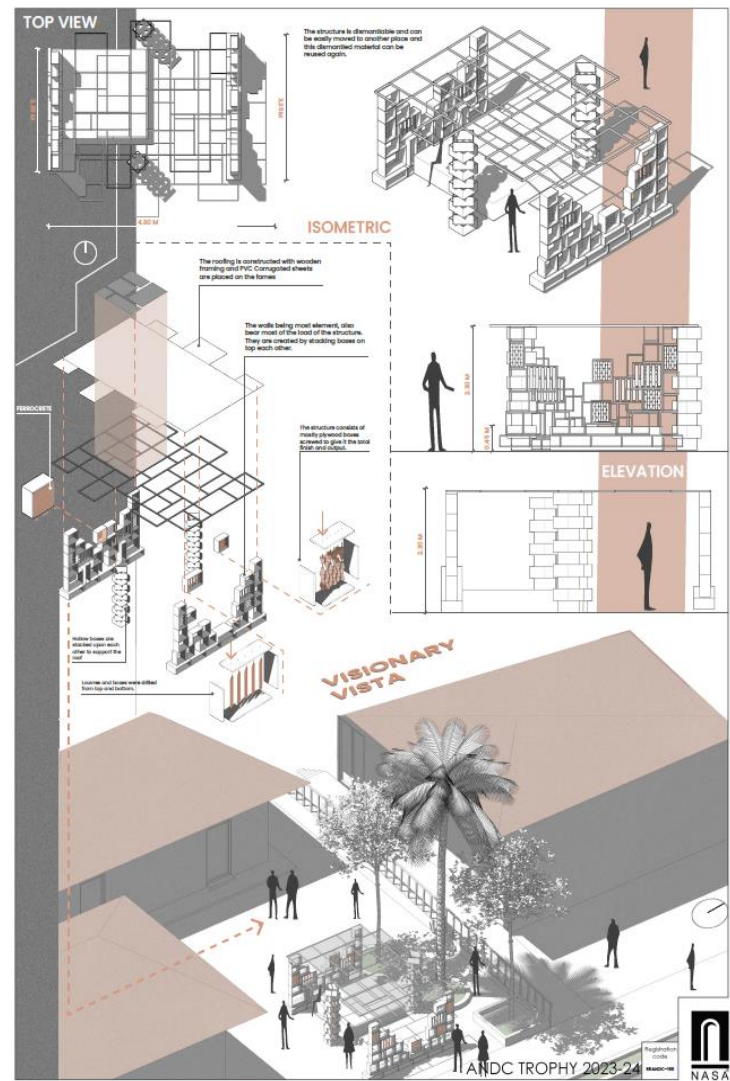
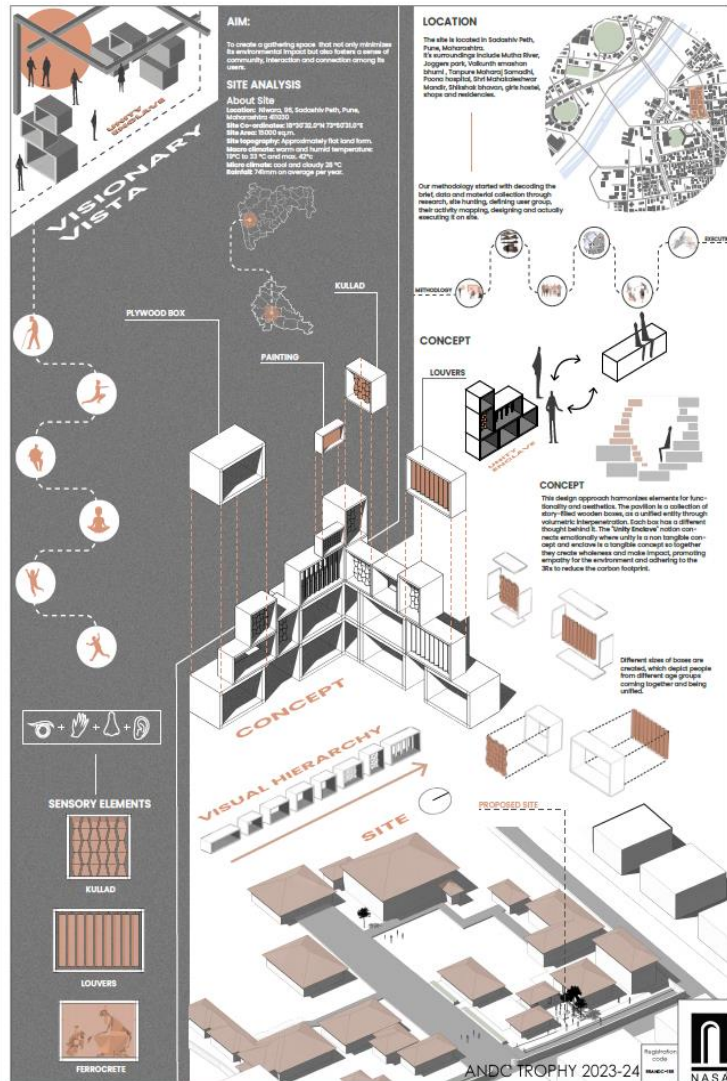
"The noblest architecture can sometimes do more for us than a simla."

- Alan De Botton

National Association of Students of Architecture
ANCS Trophy | 2023-24
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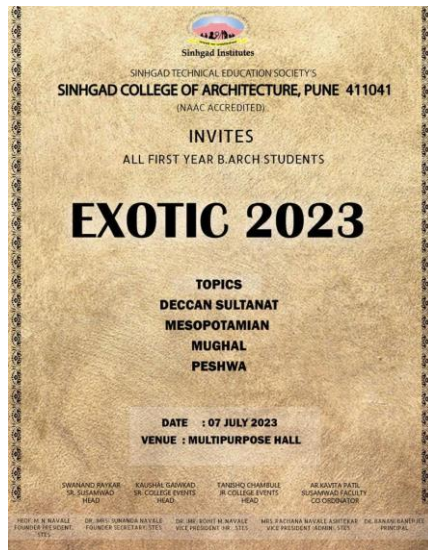






EVENTS

EXOTIC 2023



The event took place on 7th July 2023. Skit performed by all division 1st year students on Exotic Indian Themes.

The themes include- the Deccan Sultanate, Mesopotamian, Mughal, and Peshwa. The performance of the teams were judged by the jury members Ar. Nupur Chichkhede and Ar. Priyanaka Pawar Chief guests and juror from Dr. D.Y. Patil College Akurdi.



Marathi Bhasha Savardhan Pandharavada

SINHGAD TECHNICAL EDUCATION SOCIETY'S
Sinhgad College of Architecture
Sr.No. 44/1, Vadgaon (Budruk), Pune 400 041.
NAAC Accredited

शब्दकोडे

आ क ल न
भ व थ
न क

आगामी मराठी शब्दकोष स्पर्धेसाठी तुम्हाला हादिक आमच्या देणान आम्हाला आनंद होत आहे, जिथे भाषा मजदार आणि आव्हानात्मक पद्धतीने बुद्धीमान भेटतो. तुम्हाला शब्दसंग्रह, भाषिक कौशल्ये आणि सामान्य ज्ञानाची चाचणी घेण्यासाठी तयार केलेली मराठी शब्दकोषी सोवण्यात गुंतलेल्या भाषिक वळणानी भरलेल्या एका रोमांचक दिवसासाठी आमच्यात सामील व्हा.

Date:- On 25th JANUARY 2024
Time:- at 2.00 pm – 3.00 pm
Venue:- Assembly hall

Participation
-Per division team of 5 students

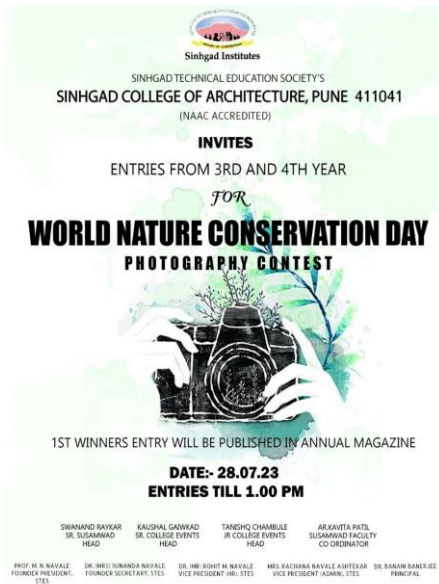
Prof. M. H. Navale Founder President	Dr.(Mrs.)Jyotsna Navale Founder Secretary	Dr. Rishi Navale Vice President (H.R.)	Mrs. Rachana Navale- Ashikhar Vice President (Admin)	Dr. Bhanu Bhanu Principal
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A Marathi crossword competition is an engaging and challenging event that involves participants solving crossword puzzles specifically created in the Marathi language.

Sinhgad College of Architecture, Pune.

World Nature Conservation Day



The competition was judged by Prof. Kalpana Hadap. The winners were awarded in the prize distribution ceremony.



28st July 2023. On the occasion of World nature conservation day, students were offered the opportunity to come up with their photography skills. The Best photographs with tag lines were displayed on panels on ground floor.

15th August – Independence Day celebration (Meri Maati, Mera Desh)

Panchpran pledge for event Meri Maati, Mera Desh under Aazadi ka Amrut Mahostav, Guidelines came from Director of Technical education and Central Government. Students and faculty have to upload their selfie on website link with pledge.



International yoga day

International yoga day was celebrated. Students and staff performed yoga under the guidance of eminent yoga teachers.



Lamp lighting
inauguration of event



Guest felicitated by
Principal Ma'am.



Heritage club activity: Visit to Shreemant Bhausaheb Rangari bhavan, Pune

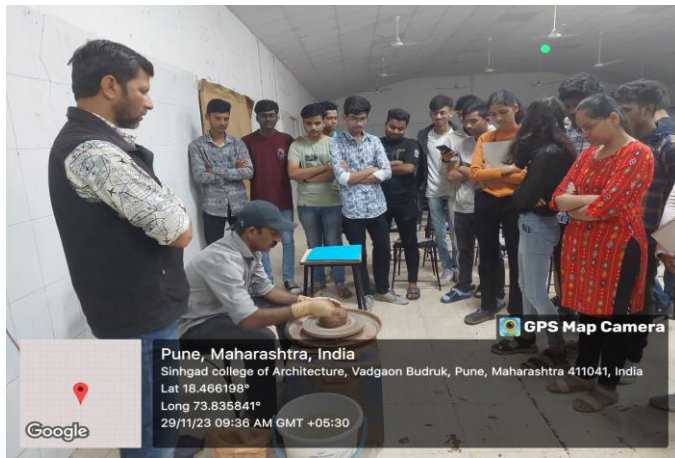
Heritage club SOCA conducted a heritage week celebration. Students along with staff visited the heritage site.



The restoration work of the structure was carried out by the firm Nasadeeya, Architecture and conservation. Students got a onsite experience of conservation and restoration work.

Pottery workshop

A workshop for first year students. Mr. Chetan Ketkar, proprietor Charming Handicraft, Pune conducted the Terracotta pottery workshop. Students participated and enjoyed making different objects. They were given hands-on experience to work on terracotta clay.



Visit at Pune-Okayama Friendship Garden, Pune



The objective of the study was to introduce and educate first-year students on the concept of sensory gardens. Through this hands-on experience, they gained an understanding of how sensory elements, design principles, and the interplay of the five senses influence emotions, particularly in the context of planning a Zen garden style.

College Representation at Chitraaalap Exhibition at Pimpri Chinchwad

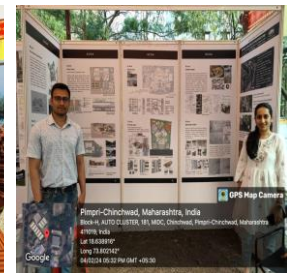
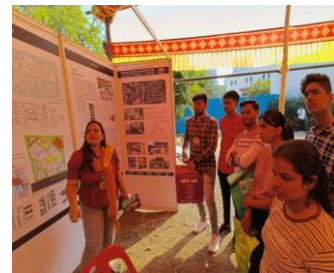
Date: 2nd, 3rd & 4th February , 2024
College Representation at Chitraaalap Exhibition by Family Interiors & IIA Chinchwad, Auto cluster, Chinchwad, Pune.

2nd February: Inauguration by IIA (the Indian Institute of Architects) Chinchwad. Following the inauguration, exhibits included panels of professional architects and interior designers work. Panels from various architectural colleges.

Sinhgad College of architecture, Pune Displayed 5 panels about students work from 1st to 5th year B.Arch and M.Arch computer applications. Stalls of architectural products and their information and were displayed and opened for all visitors and guests.

3rd February- Presentation by Ar.Girish Doshi, Ar.Shashank Phadke, Ar.Santosh Satpathy; Ar.Usha Rangarajan for professionals and students.

4th February - Overall exhibition, likely showcasing various products, innovations, or projects.



Nirbhaya Kanya Yojana



SHIGAD TECHNICAL EDUCATION SOCIETY'S
Sinhgad College of Architecture
Sr.No. 44/1, Vadgaon (Budruk), Pune 400 041.



NAAC Accredited
Collabrated with
Student Welfare Board, SPPU
Organising
NIRBHAY KANYA YOJANA

On 8th & 9th FEB 2024

Presentation by

Session 1

Ms. Uraja Bhawe.

YOGA AND STRESS MANAGEMENT

Venue :- Multipurpose Hall

Date and Time:- 8th Feb 2024, 8.00am

Session 2

Ms. Manasi Kshirsagar

RELATIONSHIPS

Venue :- Assembly Hall

Date and Time:- 8th Feb 2024, 1.00pm

Session 3

PSI Asmita Lad

WOMAN SAFETY

Venue :- Assembly hall

Date and Time:- 9th Feb 2024, 1.00pm

Co-ordinators
Ar. Asmita Kale,
faculty, SCOA

Prof. M. N. Navale Founder President	Dr.(Mrs.)Sumanda Navale Founder Secretary	Dr. Rohit Navale Vice President (H. R.)	Mrs. Rachana Navale -Ashtekar Vice President (Admin)	Dr. Banani Banerjee Principal
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Sinhgad college of architecture, Pune organized three program under Nirbhaya kanya Yojana sponsored by board of student development, SPPU. The program was conducted on 8th and 9th of February 2023 at 8.00 am and at 1.00 pm through small activities.

Session was scheduled for girl students and Lady staff of SCOA.



Sinhgad Spring Fest 2024

This is a great platform for students to prove their skills and get certified. The festival consists of events under the aegis of Neon, Tectonic, Spectrum, Olympus, Tech drill and Bravura.



SCOA students enthusiastically participated in the decoration for the event and also participated in the cultural events. Students enjoyed the events and it was huge success.



Celebration of Independence day

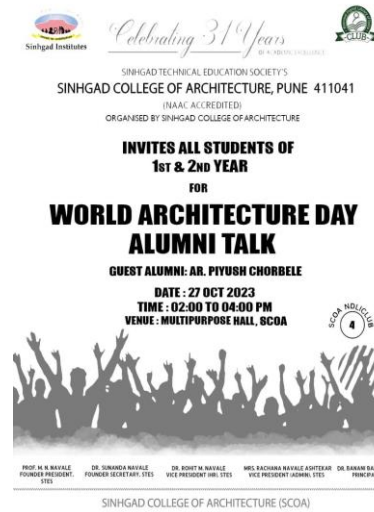


Celebration of Republic day

Republic day and Independence days are celebrated on Campus with great enthusiasm.



World Architecture Day Celebration



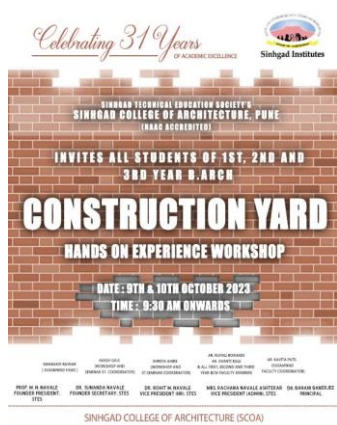
SCOA organized Alumni Talk on occasion of World Architecture Day on 27th Oct. 2023 students of all divisions and Teaching &

Non-teaching faculties attended this program.



Two days Hand on Experience Workshop: Construction Yard Activity

On 9th & 10th October 2023 a hands on workshop on construction of various bonds, junctions, brick pier details, for the students of 1st, 2nd and 3rd year B.Arch. was conducted . The objective of the workshop was to make the students aware of the basic of construction techniques. In this Construction yard students got in depth knowledge and experience of practical aspects of construction activities such as brick bond, preparation of cement sand mortar, shaping of bricks use of construction tools, laying of alternate courses of brickwork etc.



National Sports Day celebration

Celebrating 31 Years
SINHGAD COLLEGE OF ARCHITECTURE, PUNE

INVITING ALL THE STUDENTS & FACULTIES OF B.ARCH & M.ARCH.

NATIONAL SPORTS DAY

DATE: 29 AUG 2023
VENUE: SINHGAD COLLEGE OF ARCHITECTURE
TIME: 02:00 PM TO 04:00 PM

SINHGAD COLLEGE OF ARCHITECTURE (SCOA)

NATIONAL SPORTS DAY

INDOOR SPORTS
FOOTBALL DRIBBLING - GROUND FLOOR PASSAGE/ COURTYARD
SKIPPING - GROUND FLOOR PASSAGE
PUSH-UPS - GROUND FLOOR PASSAGE

RULES AND REGULATIONS:
ONE STUDENT CAN PARTICIPATE IN ONLY ONE GAMES

FOOTBALL DRIBBLE (IS PARTICIPANTS TO COMPETE AT A TIME)
• TIME LIMIT: 1 MIN (PARTICIPANT WITH HIGH SCORE WIN)
• 3 CHANCES TO RESTART THE DRIBBLE THE POINT WILL COUNT ACCORDINGLY
• 1 DRIBBLE = 1 POINT (WITH CONSIDERATION OF EXTRA CHANCES TAKEN WINNER WILL BE SELECTED)

SKIPPING (IS PARTICIPANTS TO COMPETE AT A TIME)
• TIME LIMIT: 1 MIN (PARTICIPANT WITH HIGH SCORE WIN)
• PROPER JUMPING IS EXPECTED (JUMPING TECHNIQUE WILL LEAD TO DISQUALIFY)
• 3 CHANCES TO RESTART THE DRIBBLE THE POINT WILL COUNT ACCORDINGLY
• 1 SKIPPING = 1 POINT (WITH CONSIDERATION OF EXTRA CHANCES TAKEN WINNER WILL BE SELECTED)

PUSH-UPS
• NO TIME LIMIT, AS PER STAMINA (PARTICIPANT WITH HIGH SCORE WIN)
• PROPER COMPLETE PUSH-UP ONLY WILL BE CONSIDERED, HALF PUSH-UP WON'T BE COUNTED 1 PUSH-UP = 1 POINT

SINHGAD COLLEGE OF ARCHITECTURE (SCOA)

Organised on 29th August for all year students of B.Arch and M.Arch. Three different indoor games conducted, all students participated. The event was a great success, students enjoyed the games.

First year Induction Program



SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD COLLEGE OF ARCHITECTURE, PUNE
(NAAC ACCREDITED)

WE CORDIALLY INVITE ALL THE FIRST YEAR STUDENTS ALONG WITH THEIR PARENTS FOR THE

INDUCTION PROGRAMME

FIRST YEAR B.Arch



AR. ANIL PODUVAL
Architect, Anil Poduval Architects
Co-Chairman & Principal Architect



AR. ANKUR KOTHARI
Architect, Ankur Kothari Architects
Co-Chairman & Principal Architect

Monday, 9 October 2023 8:00 am onwards Assembly Hall, First Floor, SCOA Building

Host Your Coordinators
Ar. Vinod Kumar **Ar. Rajan Kumar**

Prof. H. K. Nair, Head of Institute, Sinhgad Institute, Pune
Dr. H. K. Nair, Head of Institute, Sinhgad Institute, Pune
Dr. H. K. Nair, Head of Institute, Sinhgad Institute, Pune
Dr. H. K. Nair, Head of Institute, Sinhgad Institute, Pune

Students and their Parents were Introduced to college as well as Architecture course and the rules and regulations. Chief guests were Ar. Anil Poduval and Ar. Ankur Kothari



Paint your Bappa workshop

SCOA organized Paint your bappa workshop on 13th Sept. on the occasion of Ganesh Festival around 100 Ganpati's painted by students of all divisions and Teaching & Non-teaching faculties



T Shirt painting activity

The inaugural T-shirt Painting Competition, themed "Style It In Your Way." was part of our orientation week. The first-year students were asked to create designs for employing principles and elements of design. The induction day saw students showcasing their creations through a captivating ramp walk, followed by explaining their designs to esteemed guests and judges, including architects Ar. Anil Poduval and Ar. Ankur Kothari.



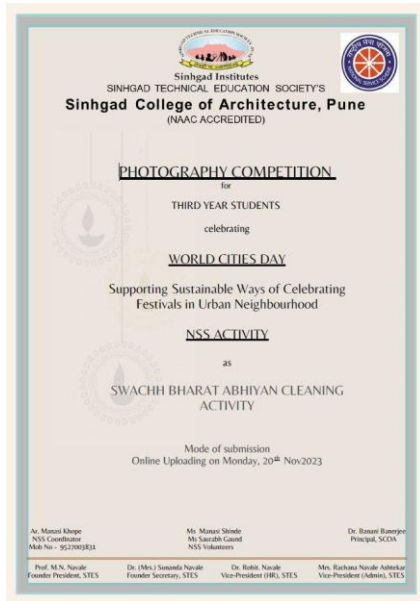
Photography competition on world cities day



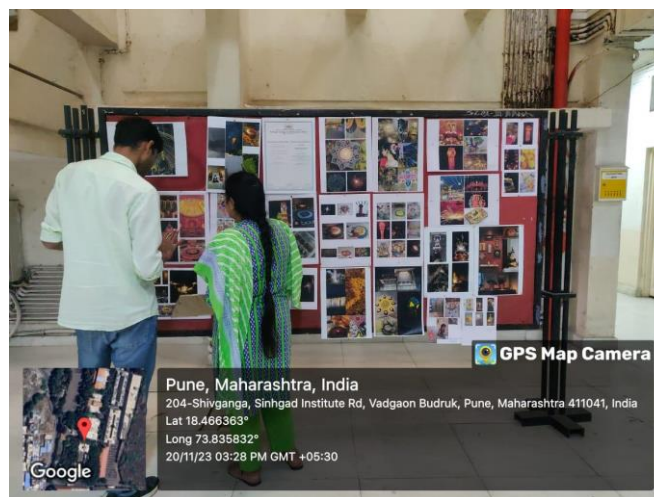
DUALITY

HARSHIKA MUTHA, 4th YEAR DIV- C

World Cities Day



On this occasion, Photography competition was organized for the students under swatch Bharat Abhiyan cleaning activity. Photography depicting support for sustainable ways of celebrating festival in urban neighborhood was expected. Students were asked to add photographs depicting their contribution in cleanliness activity, garbage collection/reduction/segregation (dry, wet and recyclable), use of recyclable and reuse materials, etc.

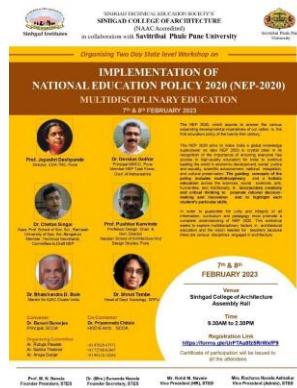


Voter ID Registration Drive

Sinhgad College of Architecture, Pune organized Voters Registration Drive for New Voters on 14th September 23, from 10:00 am to 4:00 pm. The campaign was held at the Computer Lab 1, witnessed active NSS volunteers aiding in the registration process. A Total 90 students registered for new voters ID from 2nd Year, 3rd Year and 4th Year classes, streamlining and strengthening the democracy. Students were encouraged to bring the necessary documents and register to exercise their democratic right.



Implementation Of National Education Policy 2020 Multidisciplinary Education



Workshop was conducted on National Education Policy at Sinhgad college Assembly Hall during 7th Feb to 8th Feb. Principal - Dr. Banani Banerjee
Convener - Dr. Priyamvada Chitale

Shear Force sports event



Volley ball boys runner-up



Sinhgad Olympus sports event



Boys team for Volleyball



Volley ball girls team winner of the tournament



Study tour : Second year

Division: A

Place: Pandharpur, Maharashtra

Date: 9th to 11th January 2024

Accompanying Faculty: Ar. Priyanka Purohit,

Ar. Agrawee Kodam, Ar.Neha Kapse

Number of students: 28

Division: B

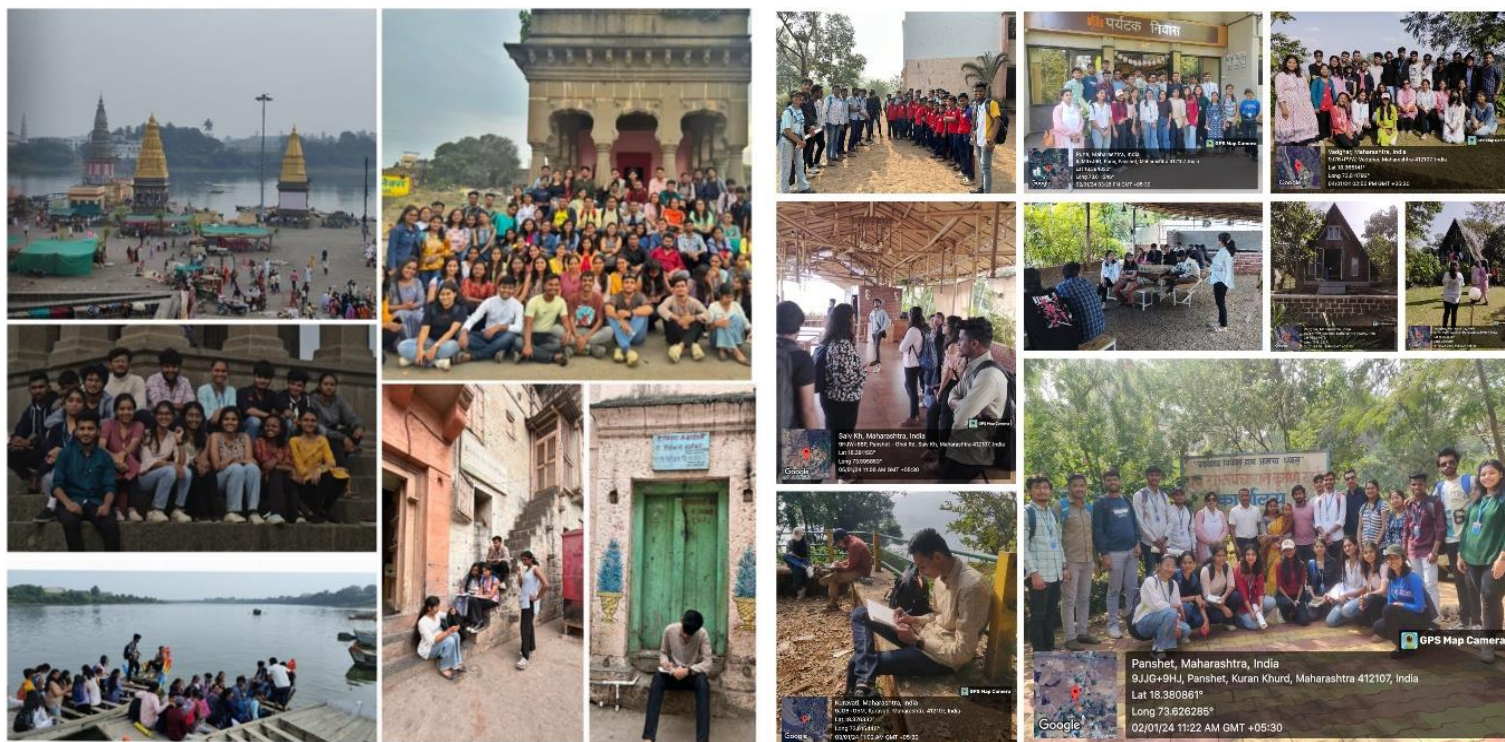
Place: Panshet, Maharashtra

Date: 02nd – 5th January, 2024

Accompanying Faculty: Ar. Saajan Mehta, Ar. Sarika

Thakoor

Number of students: 28



Study tour : Second year

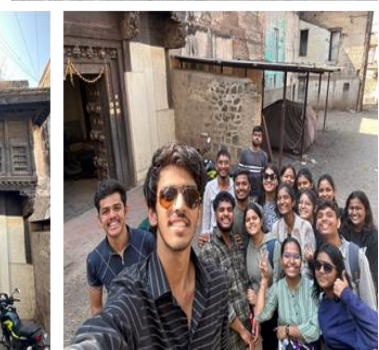
Division: C

Place: Lonavala, Maharashtra

Date: 9th to 12th January 2024

Accompanying Faculty: Ar.Priti Dhanwat, Ar.Ankooor Sakhare,
Ar.Mayuri More

Number of students: 26



Division: D

Place: Saswad , Maharashtra

Date: 26th to 29th December 2023

Accompanying faculty: Dr.Priyamvada
Chitale, Ar.Mukta Pandit, Ar.Kirti Bajare

Number of students: 23

Study tour : Third year

Division A

Place: Pandharpur, Maharashtra

Date: 9th to 11th January 2024

Accompanying Faculty: Prof. Kalpana Hadap,
Ar. Avani Topkar

Number of students: 28



Division B

Place: Solapur, Maharashtra

Date: 3rd to 6th January, 2024

Accompanying Faculty: Ar. Akshay Pipada,
Ar. Chaitrali Deshpande

Number of students: 22



Study tour : Third year

Division C

Place: Lonavala, Maharashtra

Date: 9th to 12th January 2024

Accompanying Faculty: Ar.Jasmeet Jite, Ar. Vaishnavi Gawande, Ar.Neeraj Nijampurkar.

Number of students: 23



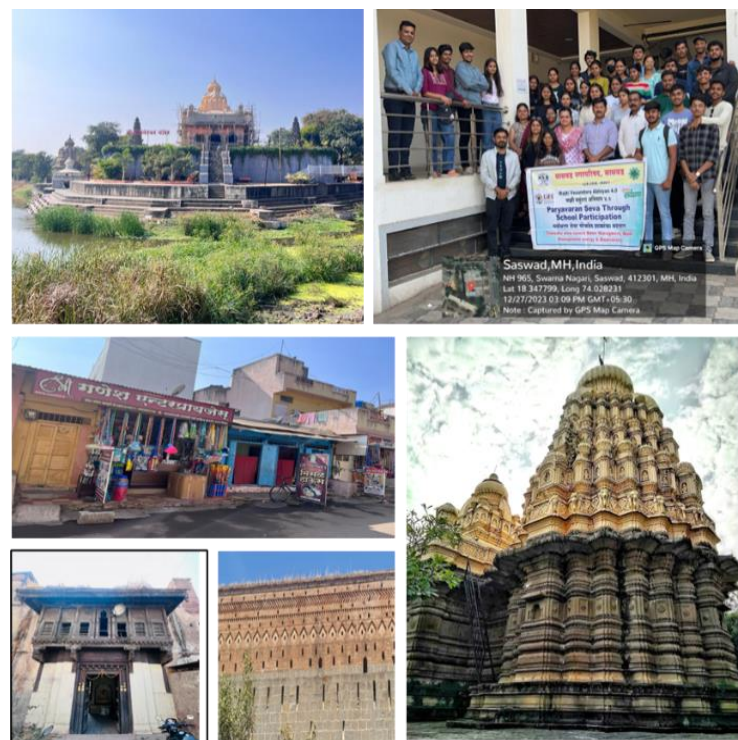
Division D

Place: Saswad, Maharashtra

Date: 26th to 28th December 2023

Accompanying faculty: Ar.Asmata Kale, Ar.Tejaswini Jangale

Number of students: 23



Study tour : Fourth year

Division: A

Place: Pandharpur, Maharashtra

Date: 9th to 11th January 2024

Accompanying Faculty: Ar. Gurudeep Chikhalkar,
Ar. Manasi Khope

Number of students: 34



Division: B

Place: Pirangut, Kasar Amboli, Urwade

Date: 3rd to 5th January 2024

Accompanying Faculty: Ar.Kavita Patil,
Ar.Indrayani Dasare, Ar.Sunil Terdalkar

Number of students: 33



Study tour: Fourth year

Division C

Place: Phursungi, Maharashtra

Date: 2nd January to 4th January 2024

Accompanying Faculty: Ar.Anuja Inamdar,
Ar.Tejas Joshi, Ar.Sneha Mote

Number of students: 37



Study tour: First year

Division : A

Place: Bhandardara, Maharashtra

Date: 19th February to 21st February 2024

Accompanying Faculty: Ar.Vrushali Dhamne,
Ar.Tejaswini Jangale, Ar.Vishakha Ghule

Number of students: 38

All Division tour

Place: Kerala, India

Date: 5th to 13th February 2024

Accompanying Faculty: Ar.Priyanka Purohit,
Ar.Indrayani Dasare, Ar.Shantanu Gaikwad



ANNUAL EXHIBITION and PRIZE DISTRIBUTION



The annual exhibition for the year 2023-24 was inaugurated on 10th April 2024 by the eminent chief guest Ar. Paras Netragaonkar. Following the formal inauguration, the chief guest visited the exhibition and interacted with the students at the display panels. He appreciated the good work done by the students.

Each division was assigned an artist, tasked with painting the panel in accordance with the unique style characteristic of the assigned artist. These panels were judged by the chief guest and given prizes. This was followed by prize distribution ceremony.



LITERATURE

छत्रपती शिवाजी महाराज झाले नसते तर

ESSAY WRITING COMPETITION WINNER

जगाच्या पाठीवर प्रज्ञाहीतदक्ष, लोककल्याणकारि राजा म्हणून ज्या राजाची ओळख आहे तो राजा म्हणजे हिंदवी स्वराज्य निर्माते , महापराक्रमी छत्रपती शिवाजी महाराज होय . शेकडो वर्षांपासून गुलामगिरीची सवय होऊन बसलेल्या रयतेला स्वराज्य ची अमृतफुले चाखायला मिळाली ती ह्या शिवरायान मुळे. मुघलांच्या स्वार्थ्यांनी महाराष्ट्राची साऱ्या महाराष्ट्राची धूळधाण होऊन शेती बेचिराख झाली होती. त्या वेळच्या देशमुख व देशपांडे या वतनदारांनी महाराष्ट्रातील जनतेची लूट चालवली होती. त्यांचे प्रेम फक्त वतनावर होते. वतनासाठी ते सतत एकमेकांशी भांडायचे. त्यांच्यात सतत लढाया व्हायच्या. त्यांच्या त्या लढायांचा नाहक त्रास सर्वसामान्य जनतेला होत असे. अशा प्रकारे महाराष्ट्रातील अनेक शूर वीर तरुण लढाई मध्ये शौर्य गाजवत असत पण हे शौर्य आपापसात भांडण्यात व्यर्थ खर्च पडत होते. स्त्रियांची अब्रू वेशी वर टांगली. निर्दोष देह तलवारीच्या टोकावर चढला. मंदिरांच्या ठिकऱ्या उडाल्या आणि आखा महाराष्ट्रा हिरव्या चादरीत लपेटून गेला. यादवांच्या सत्तेचा अंत झाला . इस्लामी राजवट म्हणजे क्रूर शिक्षांचा अभिशापच .

बायका पोरानांचा व्यापार होऊ लागला. धर्मातराचा प्रवाह इतक्या वेगाने वाढत गेला कि हिंदुराष्ट्रात हिंदीची संख्या कमी होत गेली. फेब्रुवारी १६३० साली शिवनेरीच्या माथ्यावर रुद्र अवतारात जिजाऊ मासाहेबांच्या पोटी शिवराय जन्मले. या पुढचा इतिहास प्रत्येक मराठी माणसाच्या काळजात कायम स्वरूपी कोरला गेला आहे. मासाहेबांचा पोटी दिव्यरत्न जन्माला आले. मुघल सुलतानांनी रयतेवर चालवलेला जुलूम , जबरदस्ती अन्याय राजांनी पहिला आणि हे कुठे तरी थांबायला हवे असा विचार त्यांच्या मनात सुरु झाला. सोबत्यांशी सल्लामसलत करून अवघ्या पंधरा-सोळाव्या वर्षी हिंदवी स्वराज्य स्थापनेची शपथ घेतली.

असे स्वराज्य जिथे अन्याय केला जाणार नाही, असे स्वराज्य जिथे सुख अँड समाधान मिळेल. परकीय आक्रमणा पासून मुघलांच्या जुलमांपासून रयतेची सुटका करील अशा स्वराज्याची निर्मिती शिवरायांनी केली. रयतेच्या सुखासाठी रयतेला न्याय मिळवून देण्यासाठी झटणारा राजा म्हणून शिवरायांची वेगळी ओळख निर्माण झाली.

आता जगायचे ते स्वराज्य साठी व शिवरायांसाठी आणि मारायचे तेही स्वराज्यासाठी व शिवरायांसाठी असा विचार उराशी बाळगून शेकडो तरुण स्वराज्य निर्मितीच्या कार्यात सहभागी झाले. शिवरायमुळे महाराष्ट्रात मातीत शौर्याची अलौकिक, परंपरा निर्माण झाली. शिवरायांमुळे हिंदवी स्वराज्य निर्माण झाले. रयत सुखी समाधानी होऊन त्यांना न्याय मिळू लागला. हिंदू धर्माचे आणि स्वराज्यातील स्त्रियांचे रक्षण होऊ लागले. अशा वेळी शिवराय नसते तर हि कल्पना देखील करणे शक्य होत नाही. शिवराय नसते तर या मातीत अफाट शौर्य कधीच नाहीसे होऊन आयुष्यभर परकीयांची गुलामगिरी करावी लागली असती. दिवसा ढवळ्या आया बहिणींची अब्रू लुटली गेली असती. रक्ताच्या नात्याला सुद्धा न्यायाच्या आड न येऊ न देणारा राजा म्हणजे शिवराय होय. स्वतःचे म्हणजे बजाजी नाईक निंबाळकरला राजांनी वठणीवर आणले.

गांजे गावच्या पाटलांनी जेव्हा एका स्त्रीच्या अब्रूला हात घातला त्याचे हात कलम करण्याची शिक्षा देणारा न्यायप्रिय राजा म्हणजे शिवराय होय आणि हा राजा जन्माला आला नसता तर अन्यायाशी एकरूप झालेला जनतेला न्याय मिळणे कधीच समजले नसते.

सर्व धर्मांना समान वागवणारा वागणूक देणारा राजा म्हणून शिवरायांचे कर्तृत्व उत्तुंग असे आहे. कदाचित राजे जन्माला आले नसते तर महाराष्ट्रात हिंदू नामशेष झाले असते. यवनांच्या आक्रमणांनी आणि अत्याचारांनी पिचून गेलेली जनता हतबल होऊन धर्मांतराला बळी पडली असती हे तितकेच खरे आहे.

स्वराज्यासाठी धर्माच्या रक्षणासाठी अन्यायाविरुद्ध आवाज उठवण्यासाठी, आवश्यक असलेला उर्मी तरुणांमध्ये निर्माण होणे शक्य झाले नसते. अशा या कर्तृत्वसंपन्न अष्टावधानी शूर पराक्रमी प्रसंगी मरणाला सामोरे जाणारा राजा. स्वराज्यातील जनतेच्या गळ्यातील ताईत बनतो.

कल्याणच्या सुभेदाराच्या देखण्या तरुण सुनेला जेव्हा राजांच्या समोर हजर केले जाते तेव्हा अशीच सुंदर आमची आई असती तर मीही सुंदर झालो असतो असे उद्गार काढणारे राजे परस्त्री मध्ये आईचे रूप पाहण्याची आगळी वेगळी शिकवण समाजाला देतात. राजे जन्माला आले नसते तर या कल्पनेने देखील डोळ्यासमोर अनेक भयावह दृश्य चमकून जातात. स्वतःसाठी जगताना समाजासाठी जगण्याचा विचार राजांच्या कृतीतून दिसून येतो.

आपापसात. लढण्यापेक्षा एकत्र होऊन शत्रुशी मुकाबला करण्याची क्षमता बाळगण्याचा दिव्य संदेश मिळतो तो केवळ राजांमुळे. अन्यायाविरुद्ध लढण्याचे, आवाज उठवण्याचे, तरुणांकडून सुरू असलेले प्रयत्न. म्हणजे राजांच्या शौर्याची आणि अलौकिक कर्तुत्वाची पावती होय.

असा महापराक्रमी राजा जर जन्माला आला नसता तर कल्पना देखील करता येणार नाही अशी भयानक परिस्थिती आज महाराष्ट्रामध्ये असती. विठू माझा एकटा पडला. मंदिरांना कुलूप सजला. संतांची प्राण हरपली. मानवतेचा संगम तुटला. सहा शतके लोटली. गरीबाची आशा बिजली. काश्मीरपासून कन्याकुमारी हिरव्या चादरीत कसले! १६३० ला. जिजाऊपोटी शिवबा जन्मला. घरोघरी आनंद पसरला. स्वराज्य गर्जना गर्जली. ज्ञानाची जोड पेटली. ज्ञानाची ज्योत पेटली. हर हर महादेवाची डरकाळी शत्रू वर गर्जू लागली.

खानाचा कोथळा काढला. शाहिस्ताला शास्त केली. साता समुद्रापार पराक्रमाची बाब गर्जली. बाजी तानाजी, संताजी अवध्या शूरवीरांच्या बलिदानाने शिवा सिंहासनावर आरूढ झाला.

सहा शतकांनंतर हिंदू राजा जन्मला. घरोघरी आनंद पसरला. सुवर्ण सिंहासनावर राजा माझा शोभला. क्षत्रियकुलावतंस सिंहासनाधीश्वर राजाधिराज श्रीमंत छत्रपती शिवाजी महाराज की जय.

SIDDHI NEHRE



NAVINYA BHAGWAT



SHIVAM DAREKAR

छत्रपती शिवाजी महाराज झाले नसते तर

नसते झाले स्वराज्य अन नसते झाले शिवाजी तर
नसते झाले तानाजी अन दिसले नसते बाजी
नसत्या झाल्या आऊसाहेब तर प्रजा सुखी झाली नसती
अन आज हिंदुस्थानवर हिरवी शाल पसरली असती.

आज जर महाराष्ट्रात सगळ्यात मोठा ऐतिहासिक ठेवा गड ,
किल्ले आहेत. आज महाराष्ट्र किंबहुना भारत आपला छत्रपती
शिवाजी राजांमुळे ओळखतात. तेच जर नसते तर आज
आपल्या महाराष्ट्रा ला ओळख मिळाली नसती. १३ शतकात
मुस्लिम यवनांच्या अतिक्रमणाच्या आधी महाराष्ट्र मजा आणि
हिंदुस्थान मजा सुखात नांदत होता. पण मुस्लिम अतिक्रमण
करून आपली संस्कृती, धर्म मंदिर नाहीशी केली. आज
आपण विचार केला कि राजेच झाले नसते तर छत्रपतींनी
कित्येक किल्ले बांधले. समुद्र, भुईकोट किल्ले छत्रपतींनी
बांधलेले आजच्या इंजिनेर देखील कमी पडतील असे आहेत.
जर राजांनी केलेली बांधकाम गाडावरील अन्न ,पाणी, तलाव
अशा कित्येक गोष्टींची दूरदृष्टी पाहून असं वाटते राजे झाले
नसते तर ४०० वर्षा पूर्वी आजच्या पेक्षा चांगले इंजिनेर होते हे
समजले नसते.

छत्रपतींच्या इतिहासातून तुम्हा आम्हाला समजते राजे जवळ
जवळ ४०० वर्षा पूर्वी महाराजांचे विचार, आचार कित्येक
वर्षांच्या आणि विज्ञान निष्ठ होते. महाराजांच्या मोहीम
अमावास्येला असायच्या. जमीन मोजणी करून महसूल
आकारणी रूढी परंपरा बंद करणे , यातूनच समजते राजे
नसते तर आज अंधश्रद्धा आणि कित्येक गोष्टी बोकाळ्या
असल्या.

स्वराज्य जर शिवाजी राजांनी उभारल नसतं तर मुघल
साम्राज्याने आज संपूर्ण हिंदुस्थानवर हिरवी शाल पांघरली
असती. धर्मांतराने आज संपूर्ण महाराष्ट्र भरात हाहाकार
मजला असता आणि दुसरा अफगाणिस्तान व्हायला वेळ
लागला नास्ता. स्वातंत्र्य तर आपल्याला मुघलांपासून मिळाला
नसतं.

शत्रू सैन्य जेव्हा चौकातून जाते तेव्हा लहान मुलगा पुढे येऊन
म्हणतो " खबरदार जा हाच मारुनी जाल पुढे चिंधड्या
उडवीन राई राई एवढ्या".

असा स्वाभिमान , अभिमान या महाराष्ट्राचा वाटला नसता.
आज त्या इतिहासापासून कित्येक बाहेरच्या लोकांचे आदर्श
छत्रपती आहेत. त्या मुळे आज आपण शिकू शकतोय.

PRERNA KSHIRSAGAR

छत्रपती शिवाजी महाराज झाले नसते तर

शब्द पडतील अपुरे

अशी शवबां ची कीर्ती

राजा शोभुनी दिसे जगती

अवघ्या जगाचा शिवछत्रपती

छत्रपती शिवाजी महाराज हे भारतीय इतिहासातील महान तसेच आदर्श राजा होते. त्यांचा जन्म १९ फेब्रुवारी १६३० रोजी शवनेरी किल्ल्यावर झाला. छत्रपती शिवाजी महाराज जर झालेच नसते तर त्यांनी लहानपणी स्वराज्य निर्मितीचे स्वप्न पाहिलेले पूर्ण कसे झाले असते? जर छत्रपती शिवाजी महाराज झाले नसते तर आपुन इंग्रजांच्या गुलामगिरी मधून मुक्त झालो असतो का ? भारता मध्ये मराठा लोकांना आदर मिळाला असता का? आज आपल्या भारतामध्ये स्त्रियांसाठी लोकांच्या मनात जो आदर आहे तो मिळाला असता का? त्यांनी आदिलशाही, कुतुबशाही, इंग्रज, पोर्तुगीज सान्यांचा बंदोबस्त करून स्वराज्य स्थापन कसे केले असते. जर छत्रपती शिवाजी महाराज नसते तर असे अनेक प्रश्न आपल्याला पडले असते.

तानाजी, बाजी प्रभू, मुरारबाजी असे जीवाला जीव देणारे मावळे तयार नसते झाले. ज्यांचं नाव घेताच आपली छाती अभिमानाने फुलली नसती .

आज जो स्त्रियांसाठी आपल्या समाजात मान आहे तो मिळाला नास्ता, कारण महाराजांनी स्त्रियांना मातेसमान वागणूक देत. भारतात जर महाराज नसते तर मराठी मावळ्याला प्रोत्साहन दिले नसते.

जुलमी सत्तेनं महाराष्ट्र झाला होता घायाळ
होता न कोणी वाली , करण्या रयतेचा सांभाळ
शिवनेरीवर सूर्य जन्माला
घेण्यास कवेत आभाळ

ज्यांनी रयतेचे छत्र बनवले , शत्रूला त्रस्त केले, ज्यांनी तिमिरास चिरले, ज्यांनी कधीच हार नाही मानली असे सान्या महाराष्ट्राचे पराक्रमी शूरवीर छत्रपती शिवाजी महाराजांना आपुन कसे विसरून चालेल. आजही संतांचे ओव्या वाचून डोळे भरून येतात कि आजही महाराज नसते तर आपुन अभिमानाने जगू शकलो नसतो. आजही आपण इंग्रजांच्या गुलामगिरीत अडकलो असतो. मला अभिमान आहे स्वतःचा मी महाराष्ट्रात जन्माला आले.

स्वर्गात गेल्यावर ज्याला देवांनीही मुजरा केला

असा एक मर्द मराठा शिवबा होऊन गेला.. अशा या आमच्या कर्तृत्ववान राजांना त्रिवार अभिवादन.

SAYALI RENUSE

WHAT IF SHIVAJI MAHARAJ WAS NOT BORN ...

Chhatrapati Shivaji Maharaj was a key figure in the 17th century and his actions and leadership had a significant impact on the region. Without his leadership it is likely that the Maratha empire would not have risen to the prominent that it did. The balance of power in the region would have been different without his military campaigns and alliances. It is impossible to know for certain what would have happened but it is likely that the history of India would have been very different without the contribution of Chhatrapati Shivaji Maharaj. The Maratha empire which he established, played a significant role in shaping the political and cultural landscape of the region.

History never allows any ifs and buts but still the question of What if Shivaji Maharaj was not born is challenging one. Aurangzeb would have invaded whole India up to Kanyakumari and would have become a Paramount power, but being a mortal he was to die one day so Mughal Empire would have seen major Sardar Get their own States Hyderabad Bengal etc

This would have made it vulnerable to foreign invasions like that of Afghans and Europeans. The British would have eventually invaded Delhi and whole of India would have been under British control. Yes the want of Liberty would have definitely resulted into a movement that would have lacked a nation wide character. Yes the one top Liberty would have definitely resulted into a movement that would have lacked a nation while character. Shivaji Maharaj was known for giving his and many generations after him reason to live fight and die for the nation “Dev Desh Dharma” this specular character would have lacked and this very character is our legacy. As he would not have been there then no Maratha I know resistance to the British so it is quite possible that there would have been a land in Asia that would have seen a lot of civil war-type activities as none of the communities would have failed to find a common thread

RUPALI PARDESHI

Loved Women- lone wolf! (Mother)

A lot of scrutinized minds around,
No reason to live for except one,
Dumping all own needs crossing the hurdles,
Are you Still judging to be live like none?
Oceans of dreams vanished at once,
Fiction of lone wolf crashed all life,
Hiding the weakness from the strengths is always
done,
Controlling self happiness looking forward for a
smile.
Who cares for the thoughts around her?
Heartbreaks seems like nightmares and so as on.
Watching all the inconvenience never wish someone
go through this.
Sometimes flashing the old albums hoping to be
there,
In a belief for stars to be with us till our last breath.

MANSA SAMAL

नवीन उन्हाळा

ऊन तापायला लागलं,
हे मनाला कळलं.

आधी नव्हती इ-उपकरणे
जसे कूलर आणि एसी,
तेव्हा होती वृक्षांची
मनमोहक सावली.

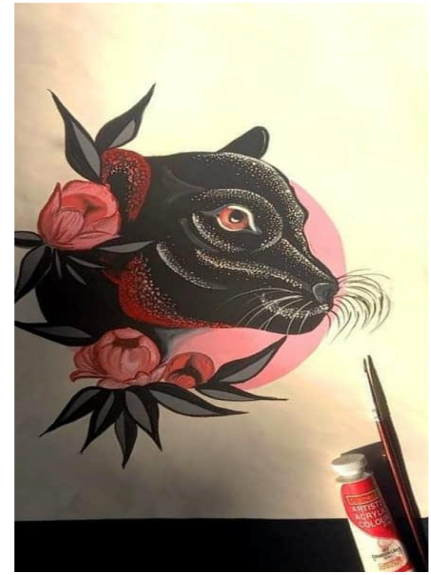
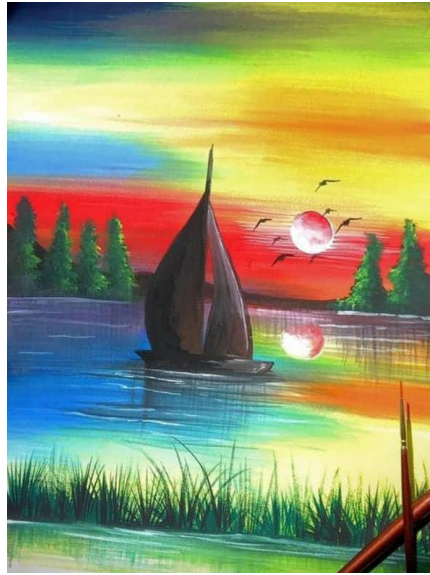
आधी नव्हत ऑनलाईन
ऑर्डर करायचं,
तेव्हा सगळे घरी,
पापड बनवायचे.

जरा सूर्य जास्त चमकला,
की सगळे दरवाजे बंद,
तेव्हा सगळे गोळा करुण
बसायचे करत आपला छंद.

आता टीव्ही मोबाईल असल्याने
होत नाही कसलाही भास,
तेव्हा परीक्षा संपताच असायची
मामाच्या गावची आस.

- मयुरी.म.खाडे

SKETCHES AND PHOTOGRAPHY



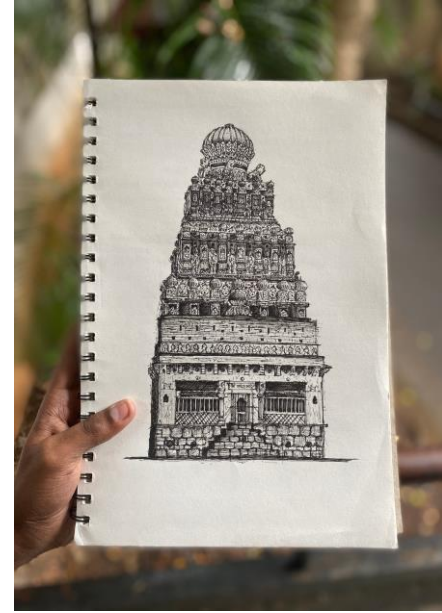
AKANKSHA DESHMUKH



PRIYANKA BOBADE



OM PAWAR



KUNDAN RALE



SAMRUDDHI SABALE



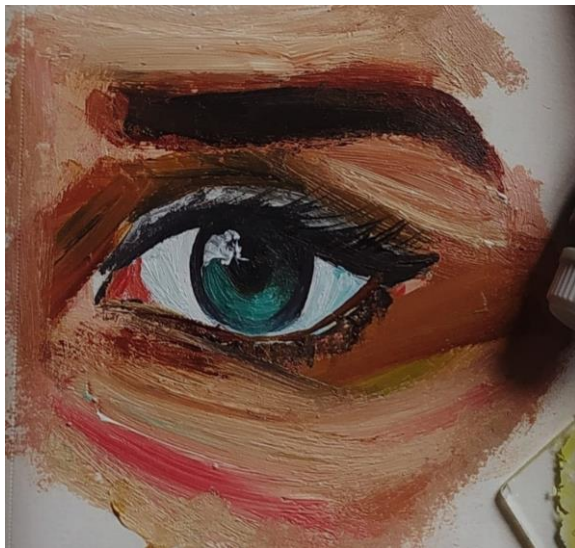
SHRITEJ KOLI



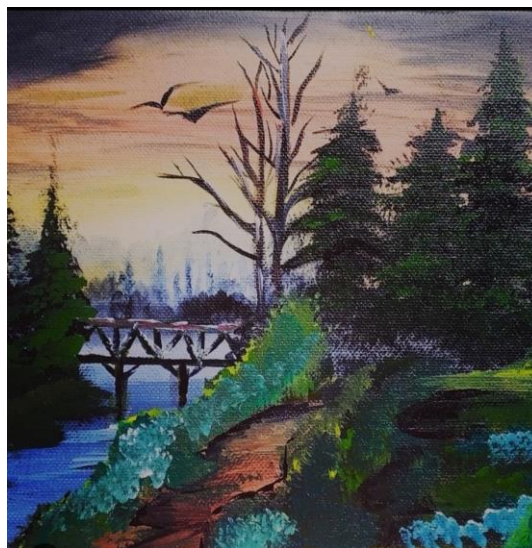
VRINDA DESHPANDE



OM PAWAR



PRIYANKA BOBADE



PRIYANKA BOBADE

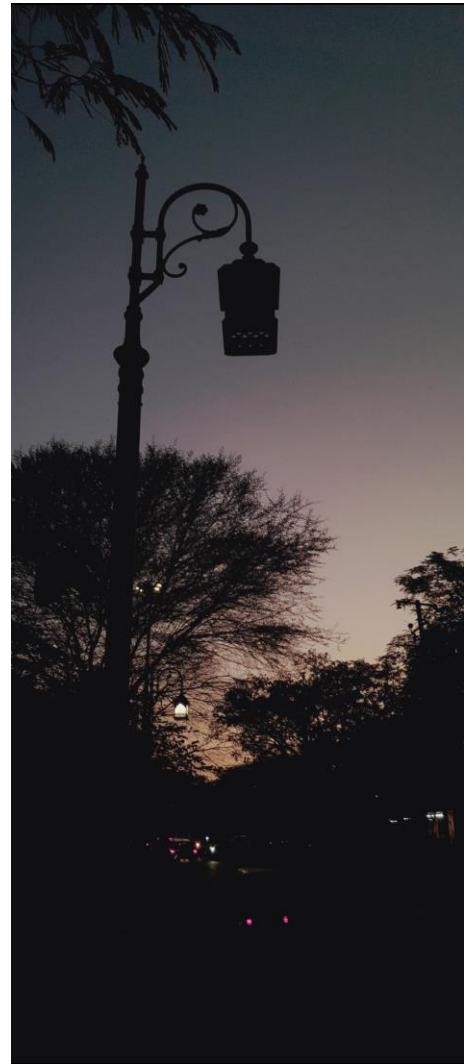




HARSHIKA MUTHA



HARSHIKA MUTHA



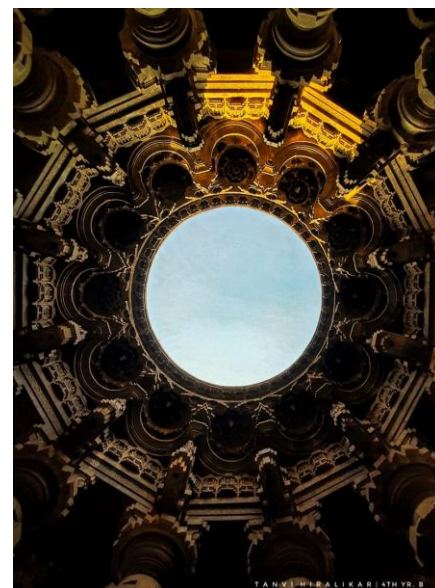
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NILENDRA GUNDALWAR



TANVI HIRALIKAR

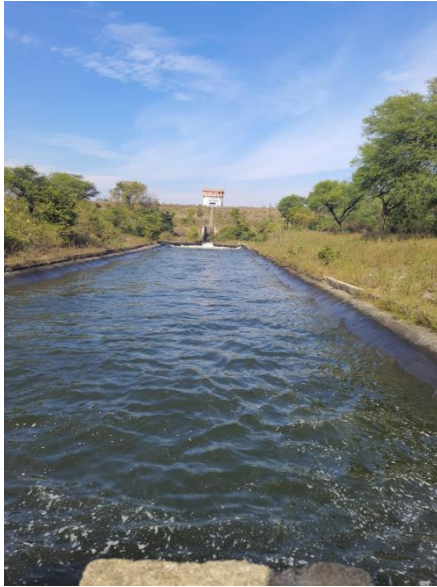




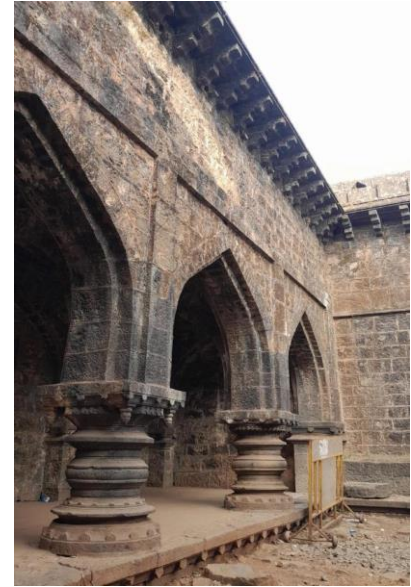
SAKHI BHUSA



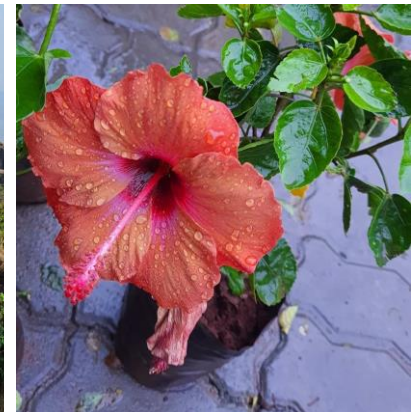
RAHUL BHAMARE



SAMRUDDHI SABALE



NAVINYA BHAGWAT



CLASS PHOTOGRAPHS

A DIVISION



FIRST YEAR



SECOND YEAR

A DIVISION



THIRD YEAR



FOURTH YEAR

A DIVISION



FINAL YEAR

B DIVISION



SECOND YEAR



THIRD YEAR

B DIVISION



FOURTH YEAR



FINAL YEAR

C DIVISION



SECOND YEAR



THIRD YEAR

C DIVISION



FOURTH YEAR



FINAL YEAR

D DIVISION



SECOND YEAR



THIRD YEAR

D DIVISION



FOURTH YEAR



FINAL YEAR

MASTERS DEPARTMENT



**ARCHITECTURAL
CONSERVATION**

**COMPUTER
APPLICATIONS**



TEACHING STAFF



NON TEACHING STAFF

Sinhgad College of Architecture, Pune.



SUSAMVAD TEAM



LIBRARY STAFF

Architecture Pledge

(Curated by SCO A)

Architecture is my chosen profession and I am aware of the significant contribution of the architectural fraternity in shaping the human habitat throughout the world.

I am proud to join this exclusive community of professionals and undertake to ensure:

That my professional activities shall not conflict with my general responsibility to contribute to the quality of the environment and future welfare of society.

that I shall apply my skills to the creative, responsible and economic development of my country,

that as an architect I shall strive to provide professional services of a high standard, to the best of my ability,

that as an architect I shall maintain a high standard of integrity

that I shall conduct myself in a manner which does not bring the fraternity of architects & students of architecture into disrepute.

That as a student I shall recognize and respect the contribution of my teachers and my Institute in shaping my career as an architect.

I promise to abide by this oath throughout my future career as an architect.



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