FACULTY OF ARCHITECTURE & PLANNING, AKTU

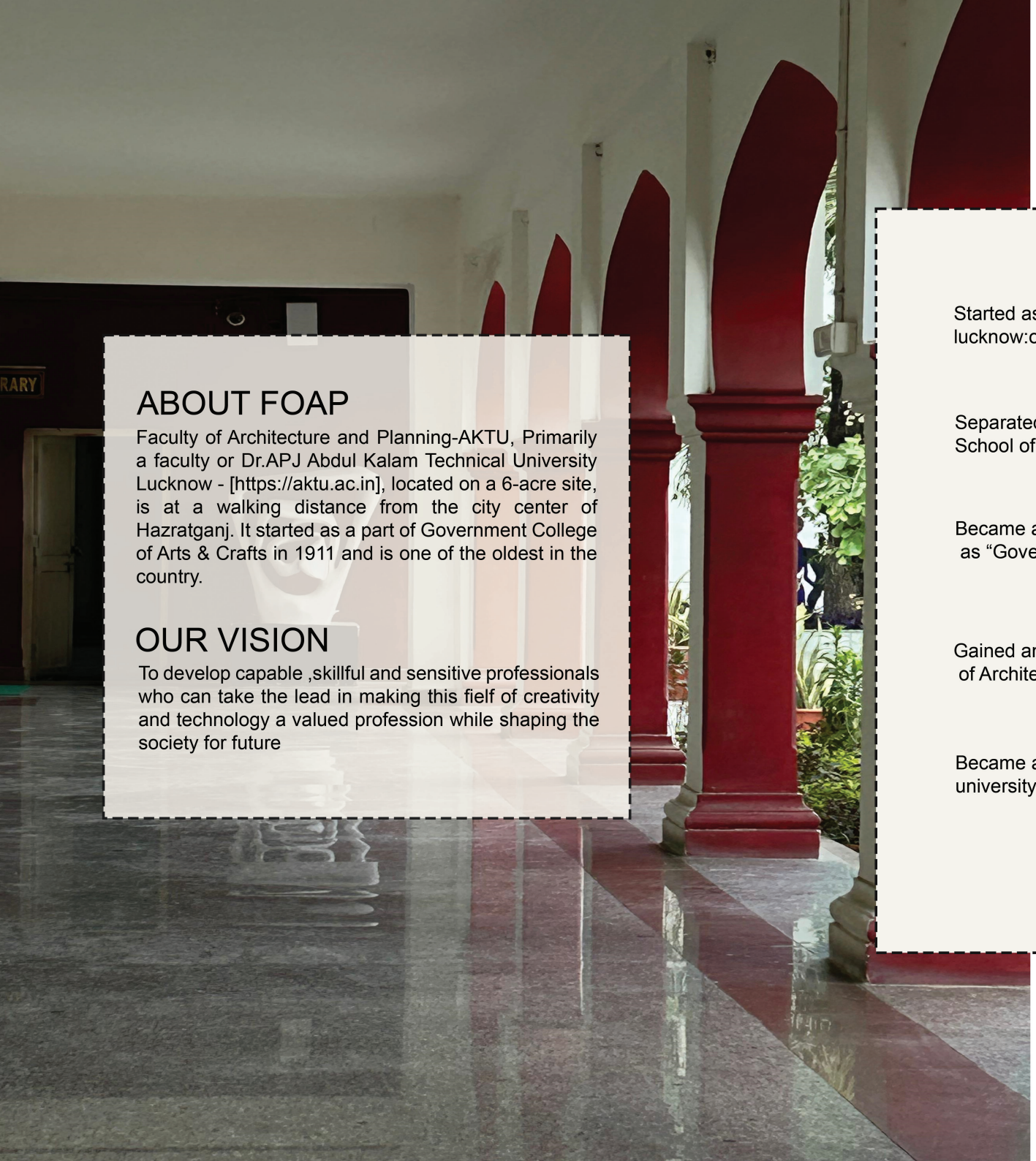
BACHELORS OF ARCHITECTURE

Placement Brochure

2024-2025



Dr. A. P. J. Abdul Kalam Technical University, Lucknow



ABOUT FOAP

Faculty of Architecture and Planning-AKTU, Primarily a faculty or Dr.APJ Abdul Kalam Technical University Lucknow - [https://aktu.ac.in], located on a 6-acre site, is at a walking distance from the city center of Hazratganj. It started as a part of Government College of Arts & Crafts in 1911 and is one of the oldest in the country.

OUR VISION

To develop capable ,skillful and sensitive professionals who can take the lead in making this fielf of creativity and technology a valued profession while shaping the society for future

-1911-

Started as a part of “Government college of arts and crafts” at lucknow:one of the oldest in the country

-1976-

Separated as an individual institute by the name “Government School of Architecture”

-1980-

Became a constituent college of lucknow university & renamed as “Government College of Architecture”

-2006-

Gained an autonomous status & functioned as Lucknow College of Architecture

-2009-

Became a constituent college of Dr.APJ Abdul Kalam Technical university known as the “Faculty of architecture and planning



MESSAGE FROM DIGNITARIES



"Architecture is a usual art and is experienced through all our senses."
Architecture education is based on "design thinking". We the Faculty of Architecture and Planning prepare students for that give solutions for space at micro and macro scale. The philosophy of institute is to "Design creatively and aesthetically using the latest technology" for a better future.

Prof.(Dr.) Vandana Sehgal
B.Arch. I M.Arch I Ph.D.



This institute has a lineage of more than 100 years and produced many successful architects, academicians and able professionals. Faculty of Architecture and Planning (erstwhile GCA) has made a significant impression in India and abroad due to its teaching pedagogy. I feel extremely honored to be contributing to the progressive development of my alma mater.

Prof.(Dr.) Ritu Gulati
B.Arch. I M.Arch I Ph.D.

OUR MENTORS



Dr. Vandana Sehgal
Principal and Dean
B.Arch. I M.Arch I Ph.D.



Dr. Ritu Gulati
Head of Department
B.Arch. I M.Arch I Ph.D.



Dr. Subhrajeet Banerjee
B.Arch. I Masters in city planning I Ph.D.



Dr. Indrani Chakraborty
B.Arch. I Masters in city planning I Ph.D.



Dr. Joydeep Dutta
B.Arch. I MURPI Ph.D.



Dr. Meeta Tandon
B.Arch. I MURPI Ph.D.



Ar. Ishwar Chandra Vidya Sagar
B.Arch. I MURPI Ph.D.



Ar.Rakesh Paijwar
B.Arch. I M.Arch



Ar.Farheen Bano
B.Arch. I M.ArchI PhD



Girish Pandey
B.FA.I M.FA



Ar.Gaurav Singh
B.Arch. I MURP



Ar.Taabish Ahmed Abdullah
B.Arch. I M.Arch



Ar.Vaibhav Kulshrestha
B.Arch. I MURP



Dr.Anjaneya Sharma
B.Arch. I M.Arch I PhD



Ar.Prabhat Rao
B.Arch. I M.Plan



Ar.Mahima Thussu
B.Arch. I M.Plan



Ar.Tauseef Rahi
B.Arch. I M.arch



Ar.Alok Omar
B.Arch. I M.arch



Ar.Anupam
B.Arch. I M.Plan



Ar.Deepti Sagar
B.Arch. I MURP



Dr.Divya Pandey
B.Arch. I M.Arch I PhD



Ar.Priyanka Rastogi
B.Arch. I M.Arch



Pl.Arundhatee Mishra
B.Plan I M.Plan



Er.Ekta Sinha
B.Tech I M.Tech



Ar.Aila Azeem
B.Arch. I M.Arch



Ar.Mariya Zama
B.Arch. I M.Arch



Ar.Shriyak Singh
B.Arch. I M.Arch



Ar.Juwaria Qamruddin
B.Arch. I M.Arch



Ar.Divyanshi Srivastava
B.Arch. I Masters in Urban Management



Ar.Kushagra
B.Arch. I M.Arch



Ar.Prasoon Mishra
B.Arch. I M.Arch



Bhupendra K.Asthana
B.V.A I M.V.A



Ar.Sawan Kumar Sharma
B.Arch. I M.Ekistics



Ar.Oorvi Singh
B.Arch. I M.Arch



Er.Vanshaj
B.Tech I M.Tech



Ar.Shishir Kumar
B.Arch. I M.Arch



Ar.Lalit Akash Verma



Ar.Prachi Singh



Ar.Shagufta Irshad



Ar.Aamir

Ar.Ananya Tripathi

Ar.Poorva

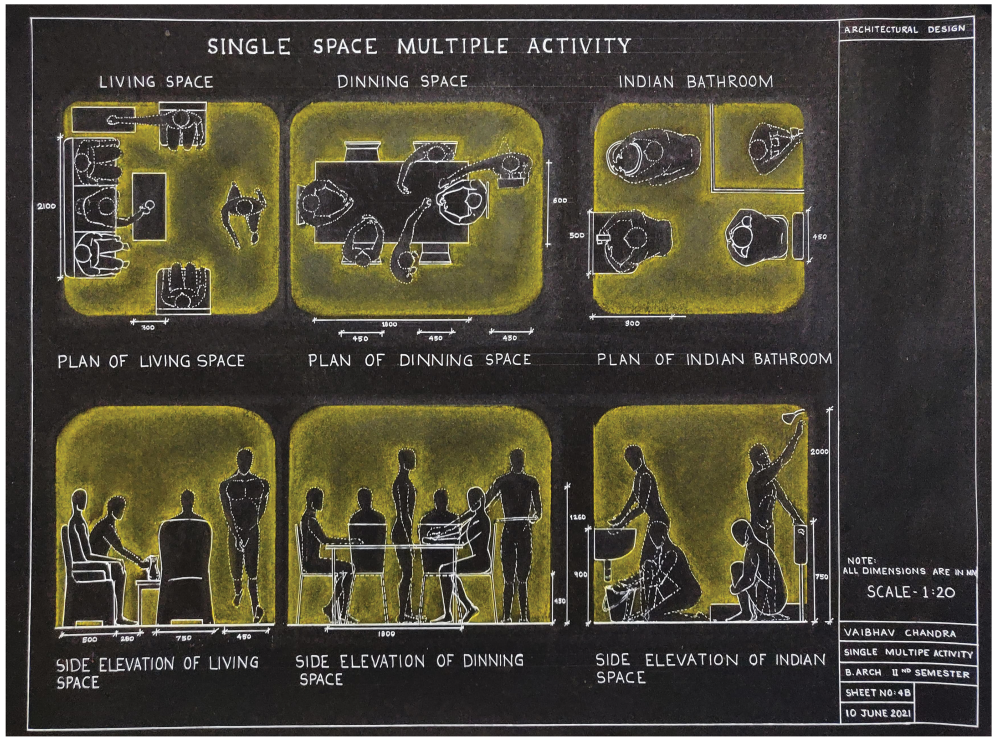


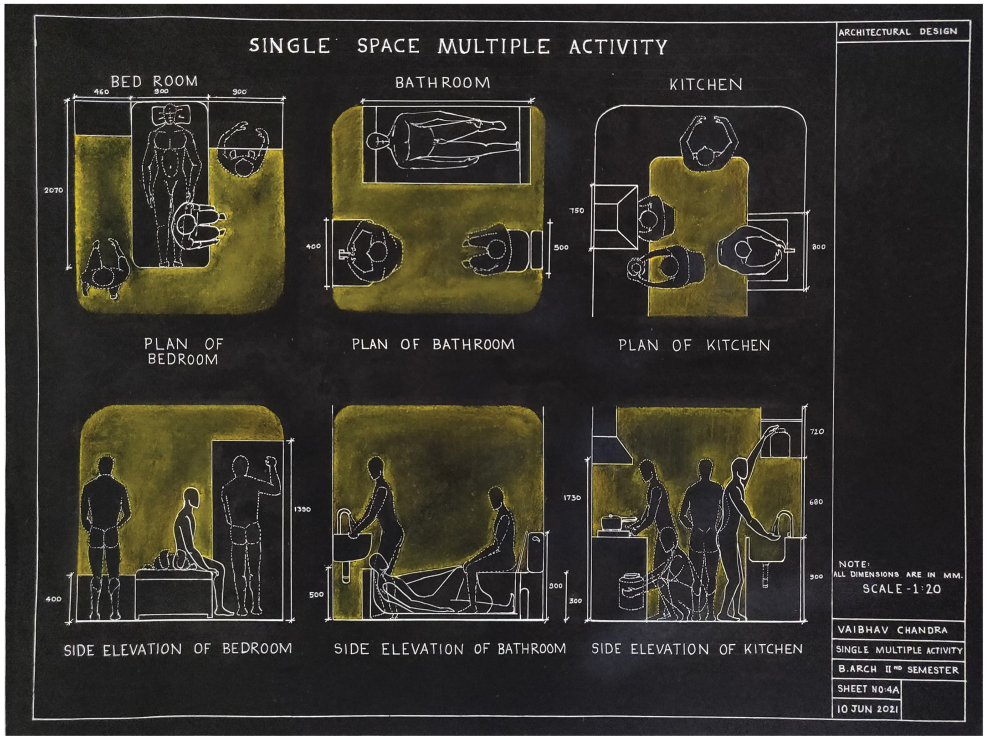
B.ARCH 1st SEMESTER

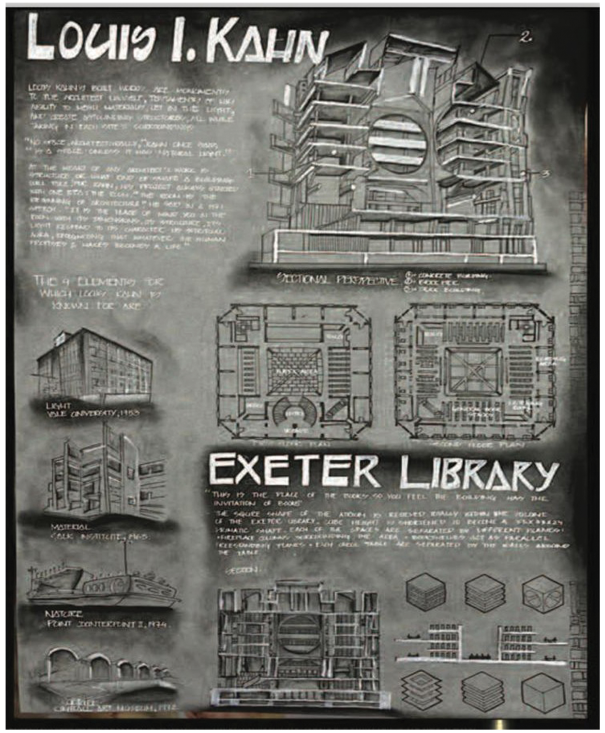
- Orientation of students to the profession of architecture
- Introduction to basic design and the basic understanding of form and space in architecture

B.ARCH 2nd SEMESTER

- Introduction to human activity and spaces required for activities.
- Introduction to basic building components and their dimensions.
- To appreciate the elements in architectural design of single unit built-up structures.
- Introduction presentation drawing.



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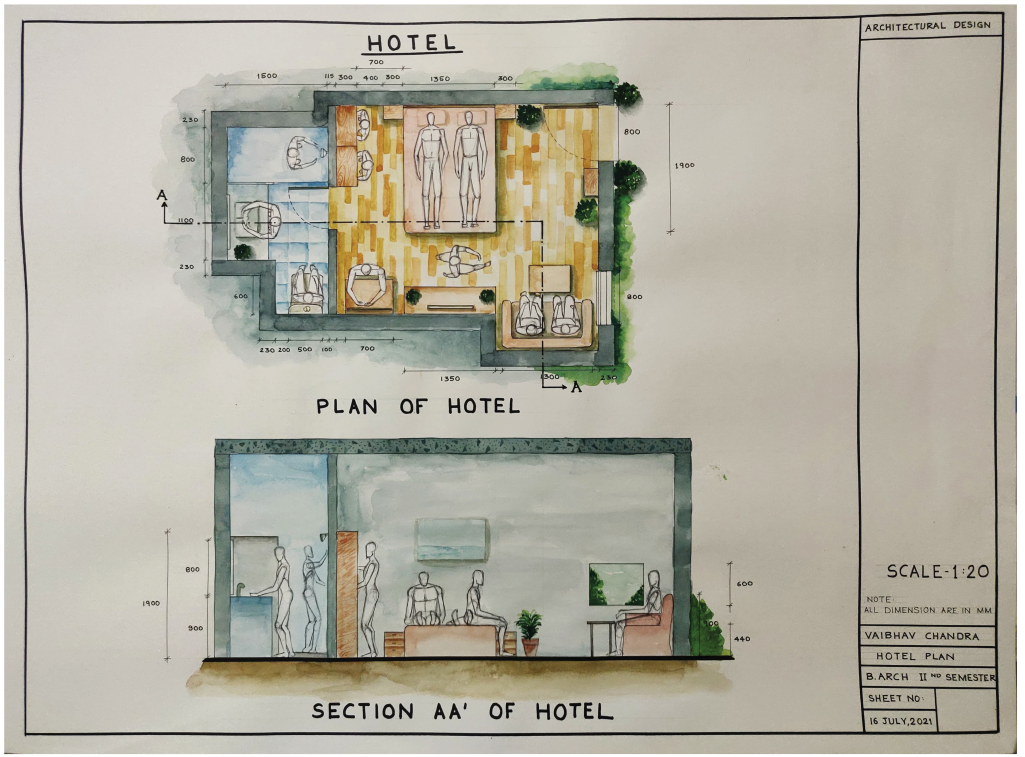
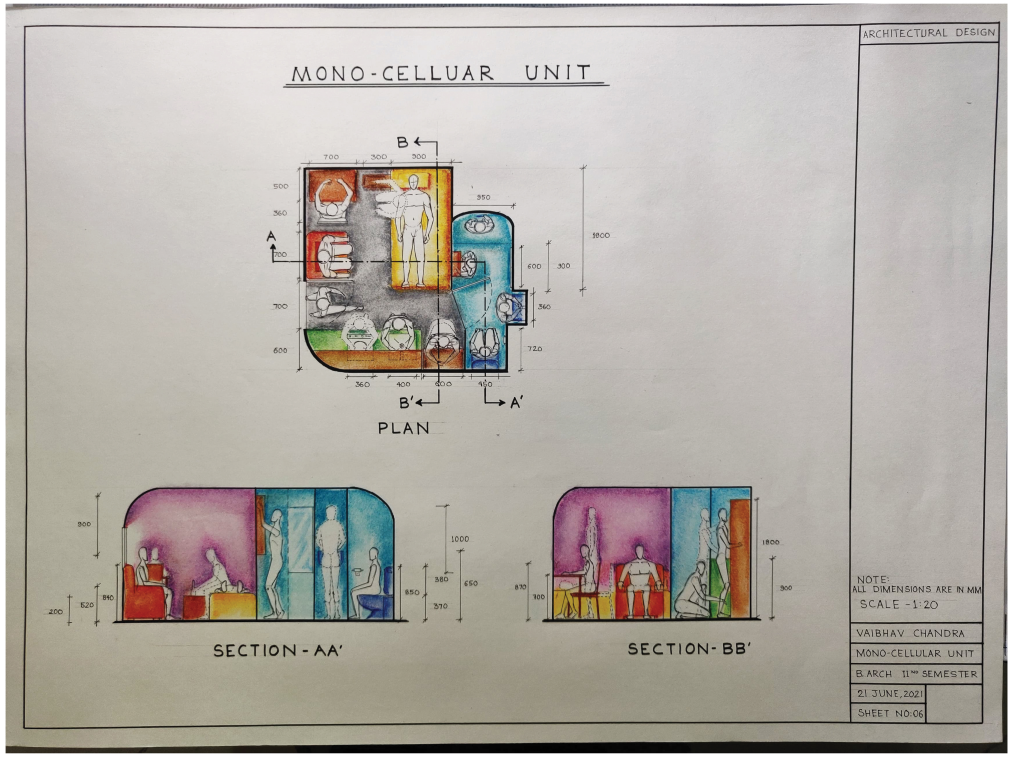
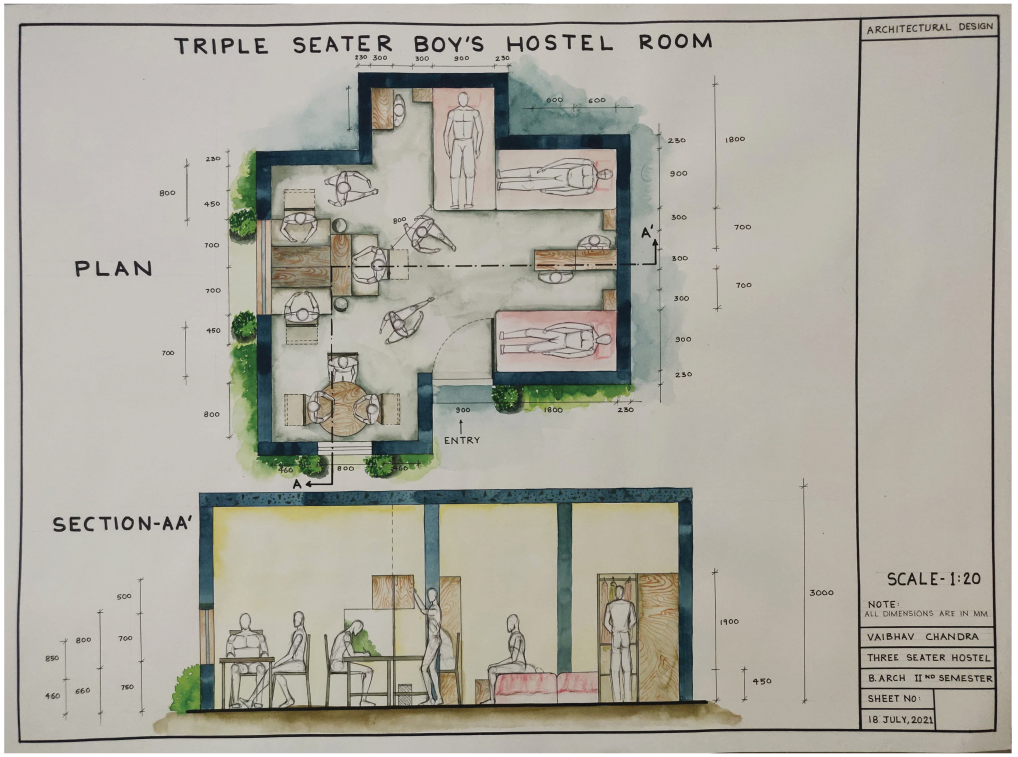
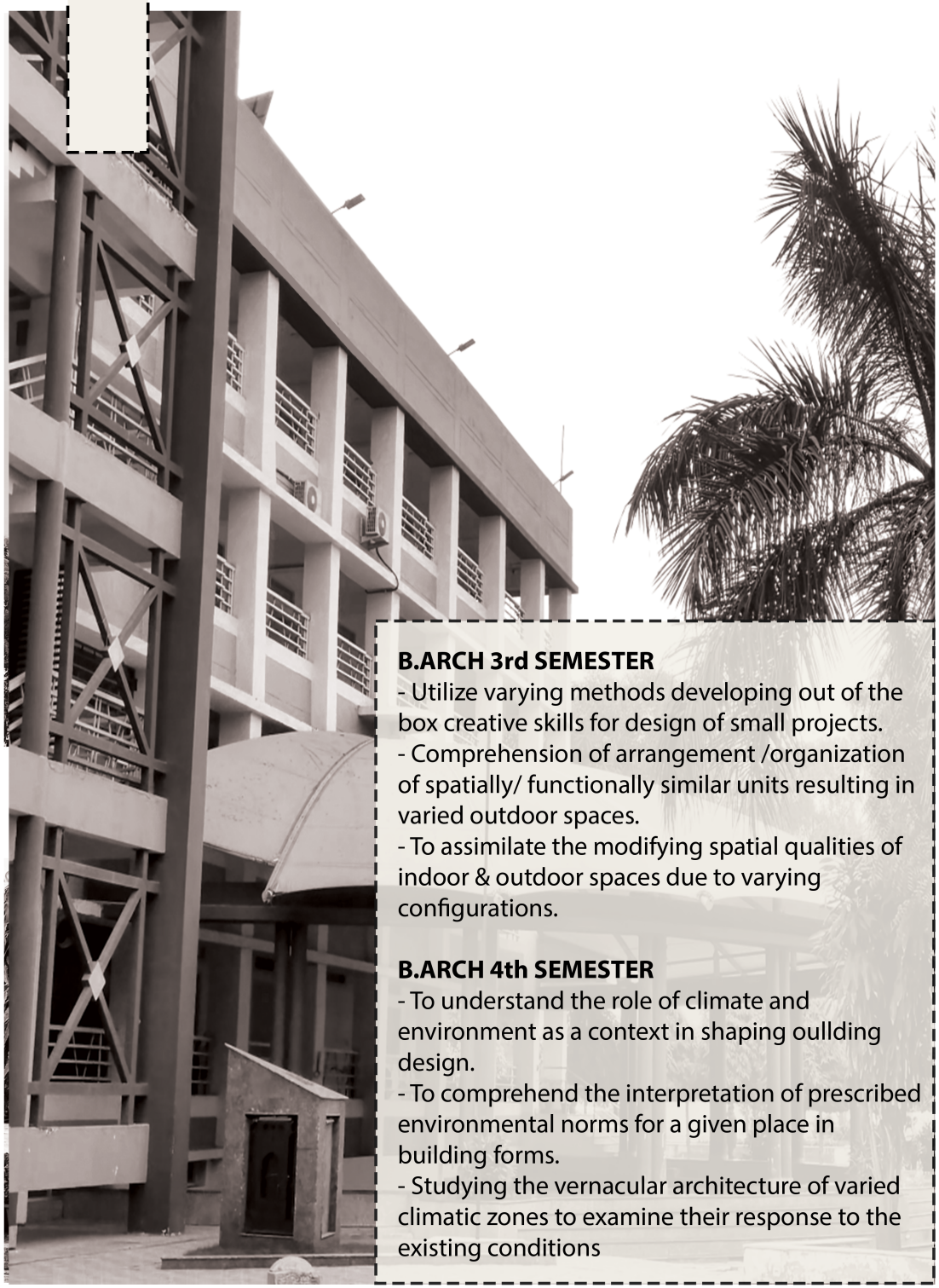
EXETER LIBRARY




HOTEL
PLAN OF HOTEL
SECTION AA' OF HOTEL
ARCHITECTURAL DESIGN
SCALE-1:20
NOTE:
ALL DIMENSION ARE IN MM
VAIBHAV CHANDRA
HOTEL PLAN
B.ARCH II ND SEMESTER
SHEET NO:
16 JULY,2021


MONO-CELLUAR UNIT
PLAN
SECTION - AA'
SECTION - BB'
ARCHITECTURAL DESIGN
NOTE:
ALL DIMENSIONS ARE IN MM
SCALE -1:20
VAIBHAV CHANDRA
MONO-CELLULAR UNIT
B.ARCH II ND SEMESTER
21 JUNE,2021
SHEET NO:06


TRIPLE SEATER BOY'S HOSTEL ROOM
PLAN
SECTION-AA'
ENTRY
ARCHITECTURAL DESIGN
SCALE-1:20
NOTE:
ALL DIMENSIONS ARE IN MM
VAIBHAV CHANDRA
THREE SEATER HOSTEL
B.ARCH II ND SEMESTER
SHEET NO:
18 JULY,2021

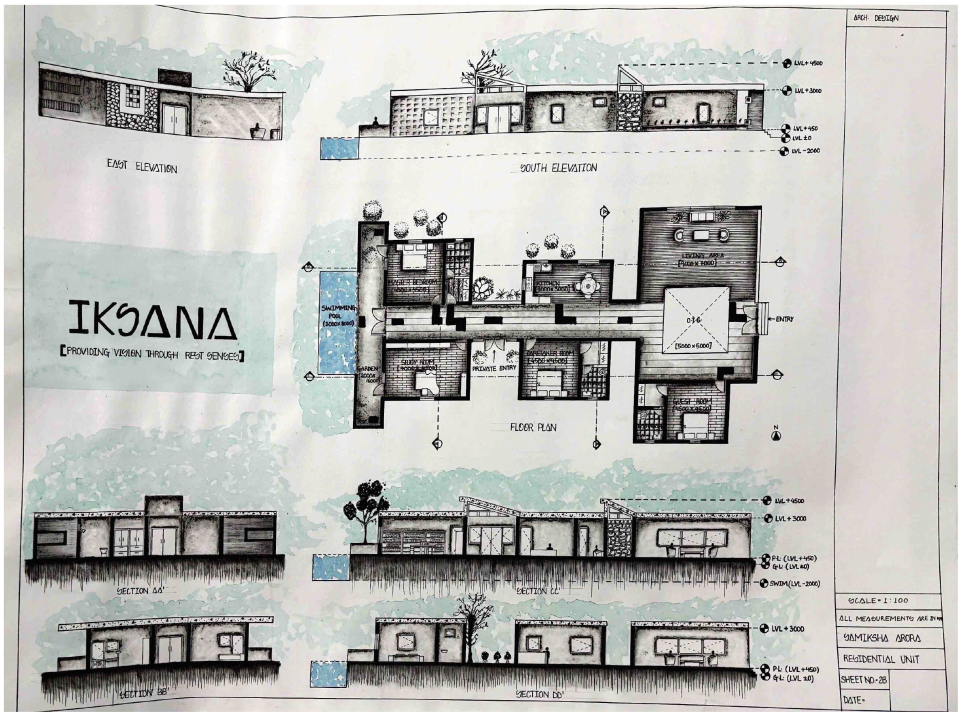


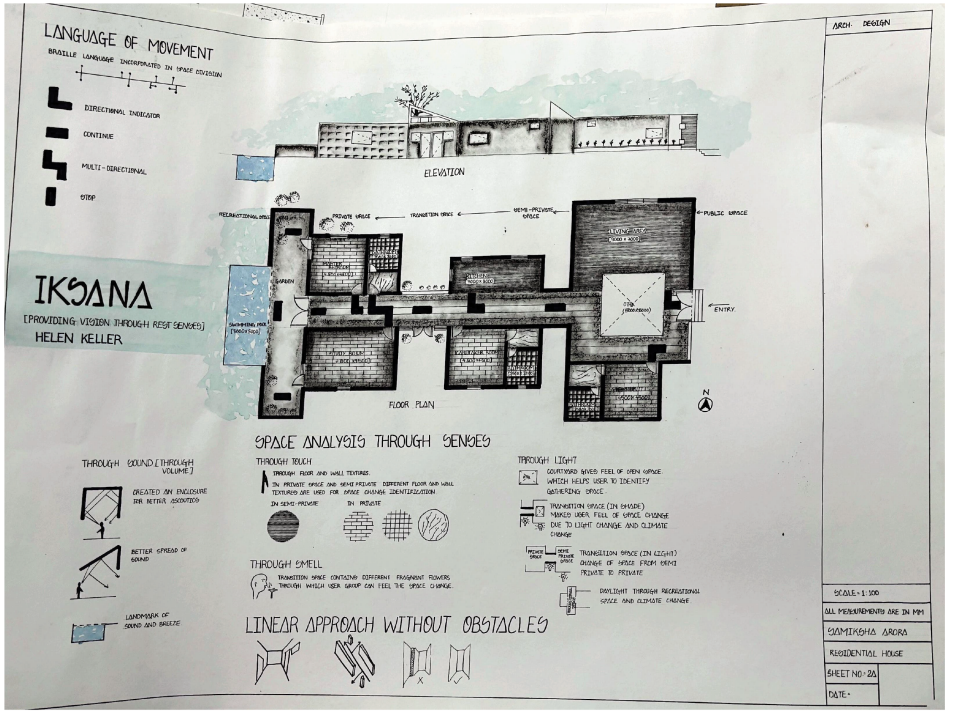
B.ARCH 3rd SEMESTER

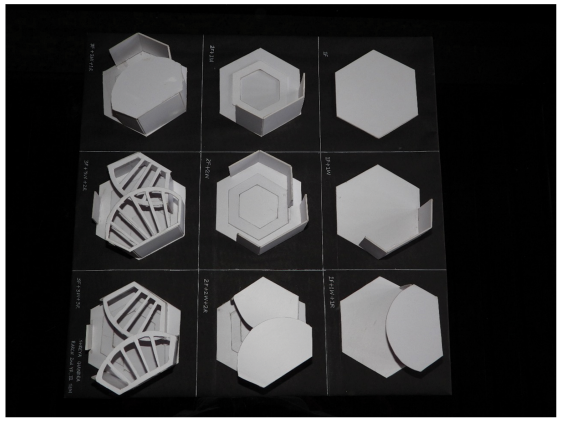
- Utilize varying methods developing out of the box creative skills for design of small projects.
- Comprehension of arrangement /organization of spatially/ functionally similar units resulting in varied outdoor spaces.
- To assimilate the modifying spatial qualities of indoor & outdoor spaces due to varying configurations.

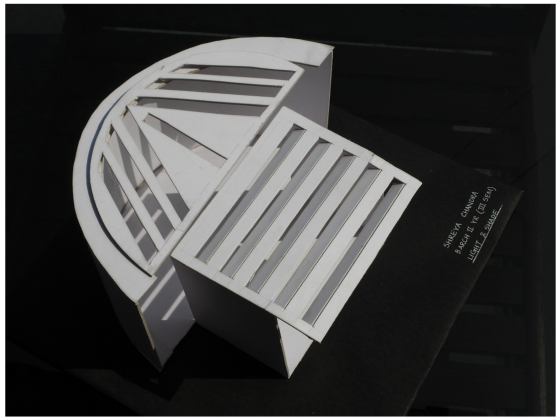
B.ARCH 4th SEMESTER

- To understand the role of climate and environment as a context in shaping oullding design.
- To comprehend the interpretation of prescribed environmental norms for a given place in building forms.
- Studying the vernacular architecture of varied climatic zones to examine their response to the existing conditions

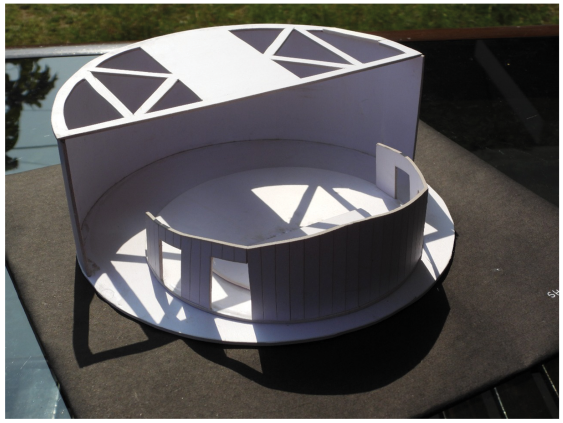


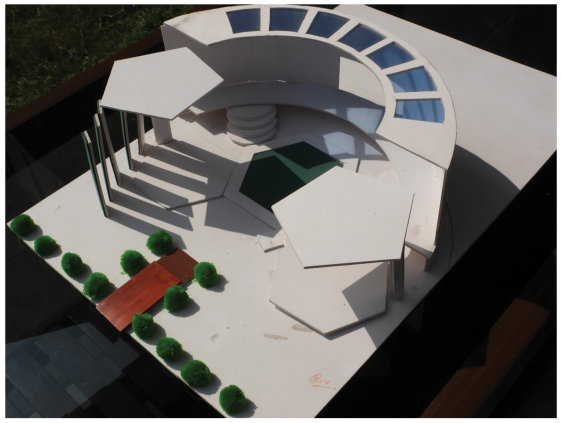


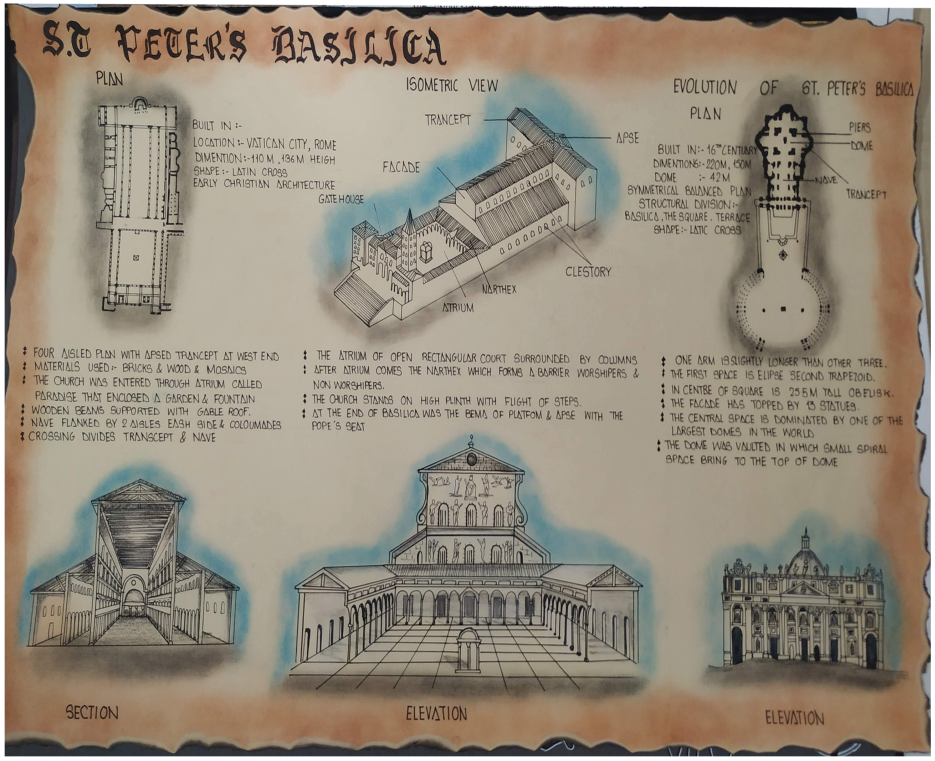


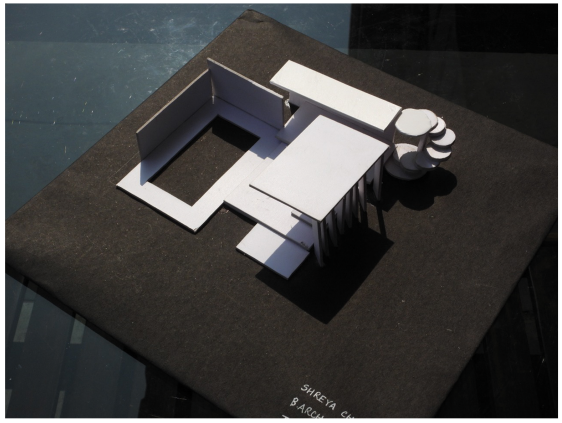


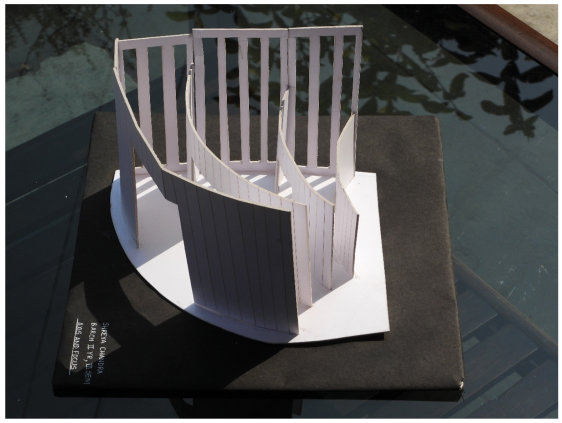

SENS CATHEDRAL
GOTHIC ARCHITECTURE
PLAN
SECTIONS
INTERIOR SPACE
SENS CATHEDRAL
HISTORY OF ARCHITECTURE
DEEPAK KUMAR VERMA
B.ARCH., IV TH SEM.
SESSION : 2021-22
SHEET NO.-1
SCALE

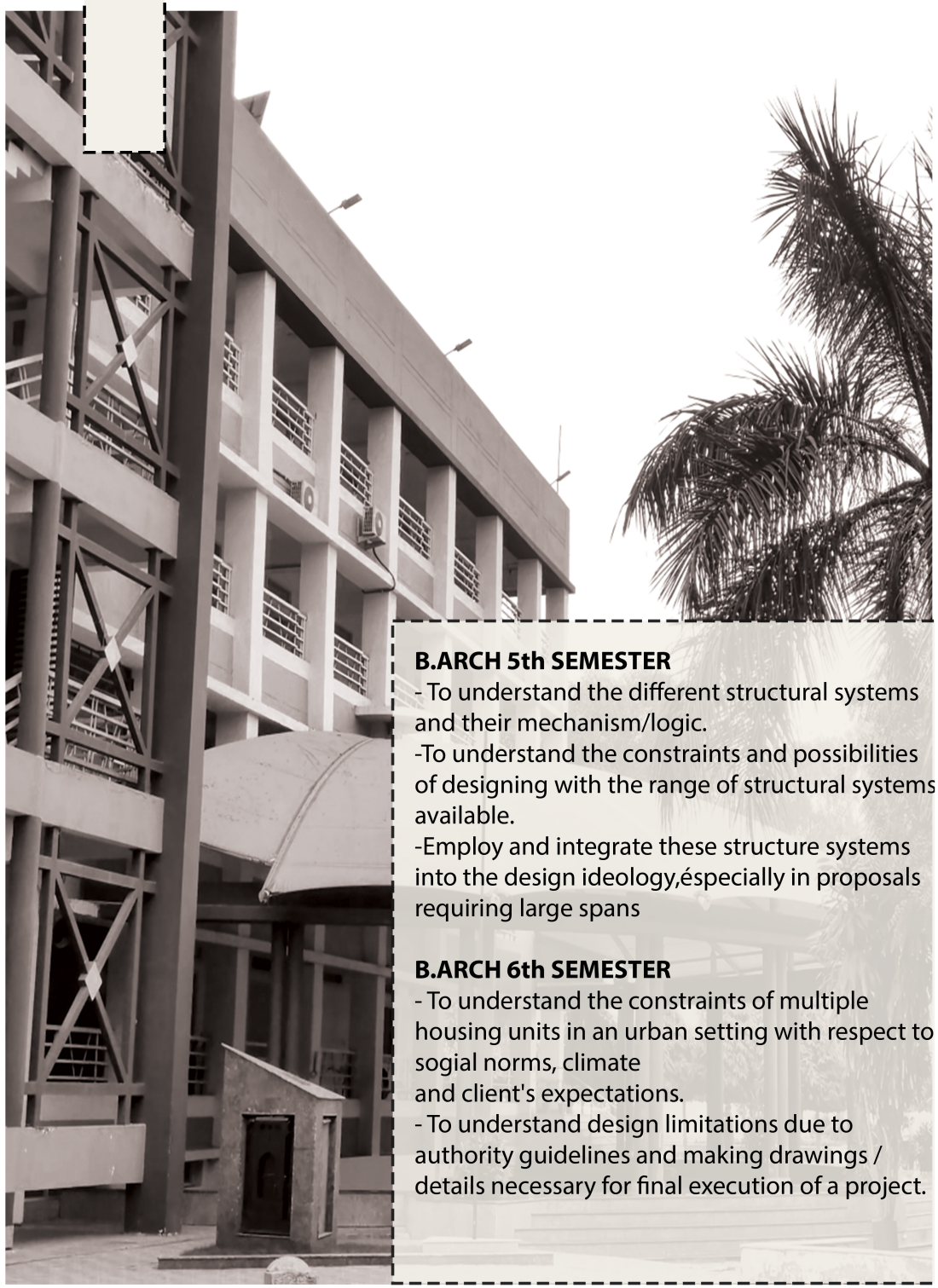





S.T PETER'S BASILICA
PLAN
ISOMETRIC VIEW
EVOLUTION OF ST. PETER'S BASILICA
PLAN
TRANCEPT
APSE
FACADE
GATE HOUSE
CLESTORY
NARTHEX
ATRIUM
PIERS
DOME
NAVE
TRANCEPT
SECTION
ELEVATION
ELEVATION







B.ARCH 5th SEMESTER

- To understand the different structural systems and their mechanism/logic.
-To understand the constraints and possibilities of designing with the range of structural systems available.
-Employ and integrate these structure systems into the design ideology,éspecially in proposals requiring large spans

B.ARCH 6th SEMESTER

- To understand the constraints of multiple housing units in an urban setting with respect to sogial norms, climate
and client's expectations.
- To understand design limitations due to authority guidelines and making drawings / details necessary for final execution of a project.



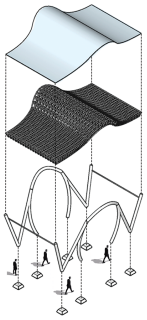
ROOF DESIGN

STRUCTURAL SYSTEM- VECTORS

AIM-
To create an innovative and efficient roof structure for the existing college badminton court.

OBJECTIVE-
- Develop a roof structure that effectively covers the badminton court, providing shelter from rain, sun, and other weather conditions, without compromising on natural ventilation and lighting.
- Design a robust and reliable structural system capable of withstanding potential loads such as wind, snow, and dynamic forces from gameplay, ensuring the safety of the players and spectators.

SITE LOCATION- F.O.A.P. CAMPUS, LKO
SITE AREA- 500 sq m
SITE SHAPE- RECTANGULAR

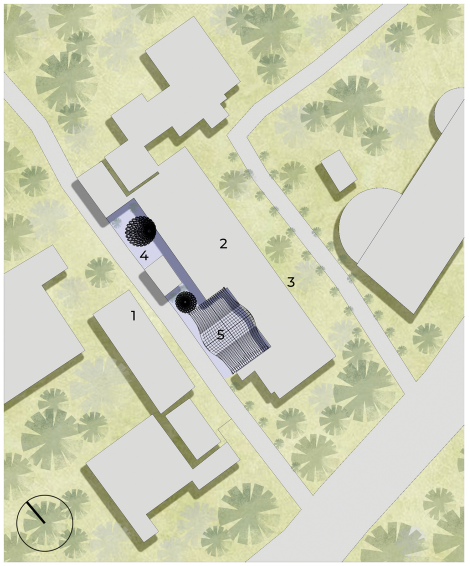


DIAMANT GLASS COVER ON THE SPACE TRUSS THAT PREVENTS HEAT GAIN YET ILLUMINATING

SPACE TRUSS BUILT OF NUMEROUS STEEL MEMBERS OF 200MM DIAMETER BUILT IN PYRAMIDICAL FORMATION WELDED WITH EACH OTHER

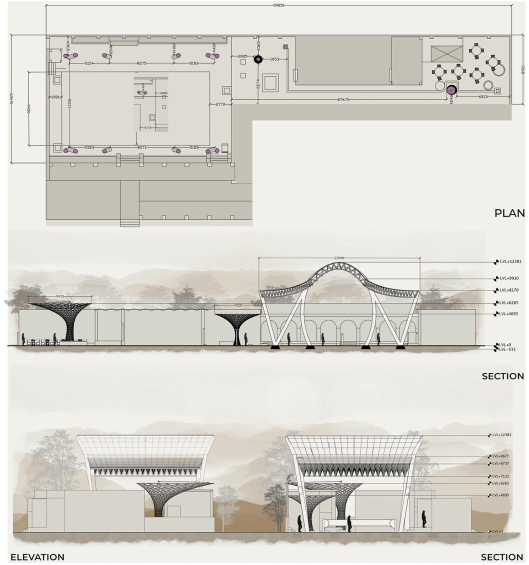
STEEL MEMBERS OF 100MM DIAMETER INCLINDED AT EACH OTHER AT VARIOUS ANGLES SUPPORTING THE TRUSS AND THE GLASS, WITHOUT COVERING OR HIDING THE VIEW FROM OUTSIDE

CONCRETE BLOCKS UPON WHICH THE THE WHOLE STRUCTURE STANDS STEEL IS BOLTED TO IT



SITE PLAN

1- ARTS COLLEGE SIDE
2-F.O.A.P.
3- ENTRY
4- PROSPOSED CANTEEN
5- SITE/BADMINTON COURT

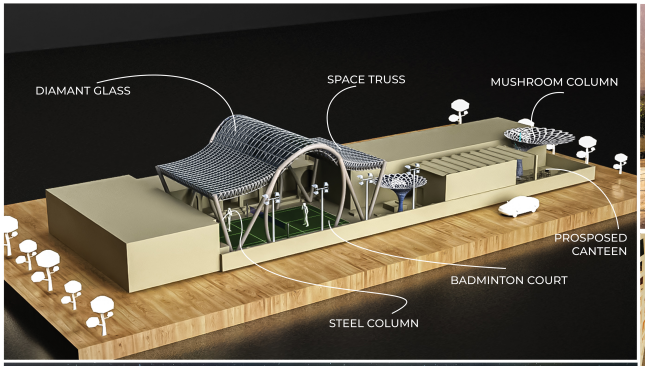


PLAN

SECTION

ELEVATION

SECTION













MODERN OAKS
Row Housing

AIM-
To understand the difference between the process and the product and the role of an architect in creating the product facilitating the process.

OBJECTIVE-
Design of a Housing project incorporating varied formats of grouping on anactual site with specific bye-laws and regulations.

SITE AREA- 2.5 Hectares
TENTATIVE PLOT AREA- 150 sq.m.
TENTATIVE BUILT-UP AREA -180 sq.m.
Follow group housing byelaws

CONCEPT-
- Gone are the days of plain and monotonous building envelopes, instead contemporary facades are charecterized by their expressive nature combining modern materials and technology.
- The development aims to provide sustainable, comfortable, and aesthetically pleasing homes for individuals and families, fostering a sense of community while offering affordability without compromising on quality.
- With the use of glass, louvers and pergolas and straight lines and rectilinear form all contribute to the built's beauty. The pergolas provide shade from the south east sun and the glass gives a unblocked panaromic view of the suroundings.
- Trees planted at the side of the road on each side to absorb the vibrations and sounds from the cars along with planters placed infront of each unit.

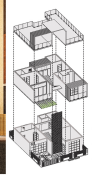


TYPOLOGY A

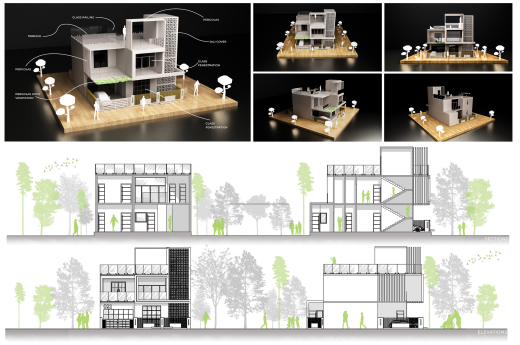
PLOT AREA- 10x11 m= 154 sq m
GROUND COVERAGE- 66 sq m
BUILT-UP AREA- 180 sq m
BUILDING HEIGHT- 9.8 m
TOTAL NUMBER OF UNITS- 44
FAR- 1.35

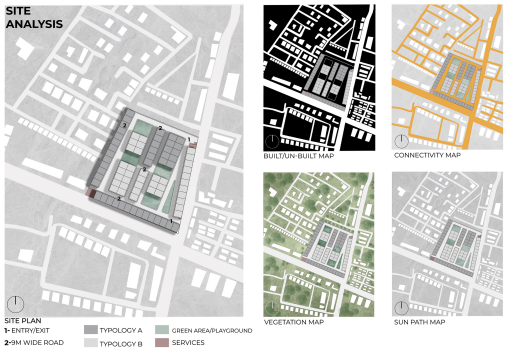
TYPE 4 HOUSING CONSISTING OF 3 BEDROOMS, WITH ATTATCHED BATHROOM, A LIVING SPACE, KITCHEN AND A SERVANT'S ROOM WITH WASHROOM AND A STAIRCASE ON THE INSIDE TO ONLY GIVE ACCESS TO THE UPPER FLOORS TO ITS OCCUPANTS AND NO ONE ELSE. FRONT AND REAR SETBACK GIVEN IS 2 METRES WITH PARKING SPACE GIVEN OF ABOUT 5 METRE. THE NOTION OF FORM FOLLOW FUNCTION CAN BE SEEN IN THIS TYPOLOGY OF 36HK HOUSE. THE RECTILINEAR FORM AND SQUIVE FACADE

EXPLODED ISOMETRIC VIEW











TYPOLOGY B

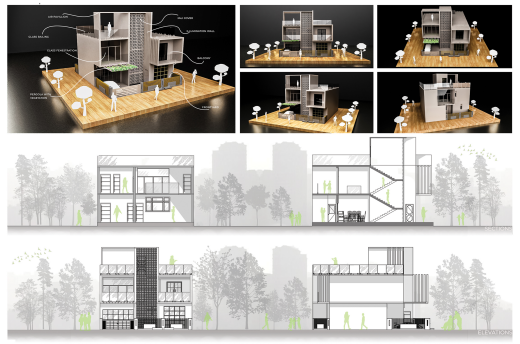
PLOT AREA- 10x11 m= 154 sq m
GROUND COVERAGE- 66 sq m
BUILT-UP AREA- 180 sq m
BUILDING HEIGHT- 9.8 sq m
TOTAL NUMBER OF UNITS- 40 sq m
FAR- 1.4 sq m

TYPE 4 HOUSING CONSISTING OF 3 BEDROOMS, WITH ATTATCHED BATHROOMS, A LIVING SPACE, KITCHEN AND A SERVANT'S ROOM WITH WASHROOM AND A STAIRCASE ON THE INSIDE TO ONLY GIVE ACCESS TO THE UPPER FLOORS TO ITS OCCUPANTS AND NO ONE ELSE. FRONT AND REAR SETBACK GIVEN IS 2 METRES WITH PARKING SPACE GIVEN OF ABOUT 5 METRE. THE NOTION OF FORM FOLLOW FUNCTION CAN BE SEEN IN THIS TYPOLOGY OF 36HK HOUSE. THE RECTILINEAR FORM AND SQUIVE FACADE GIVES IT A INTERESTING LOOK.

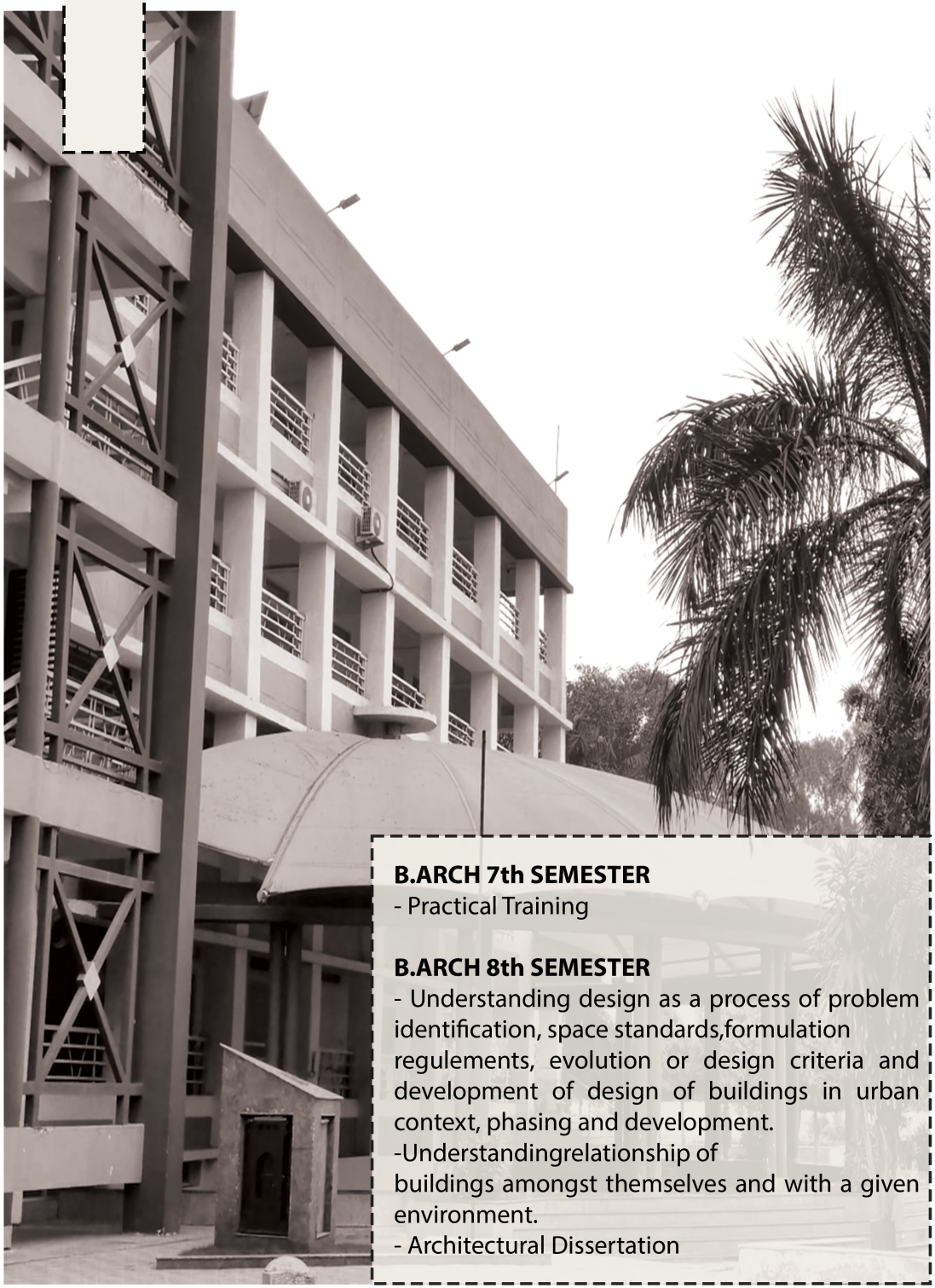
EXPLODED ISOMETRIC VIEW











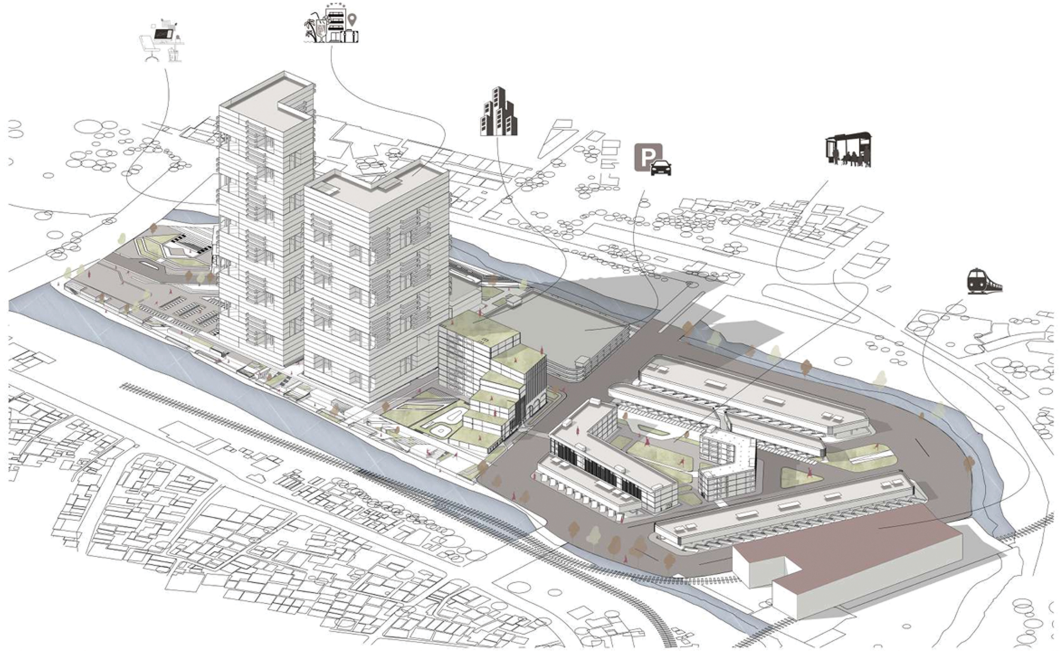
B.ARCH 7th SEMESTER

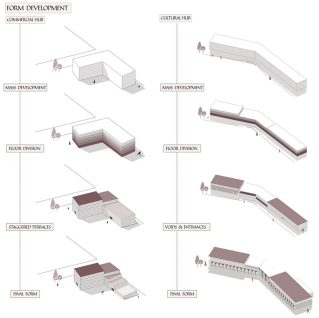
- Practical Training

B.ARCH 8th SEMESTER

- Understanding design as a process of problem identification, space standards,formulation regulements, evolution or design criteria and development of design of buildings in urban context, phasing and development.
-Understandingrelationship of buildings amongst themselves and with a given environment.
- Architectural Dissertation



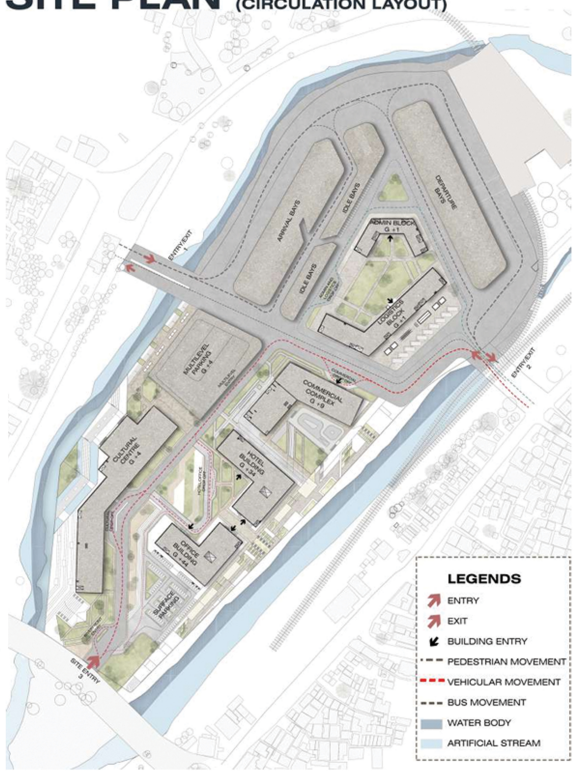


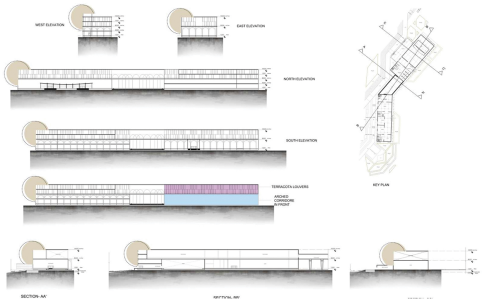




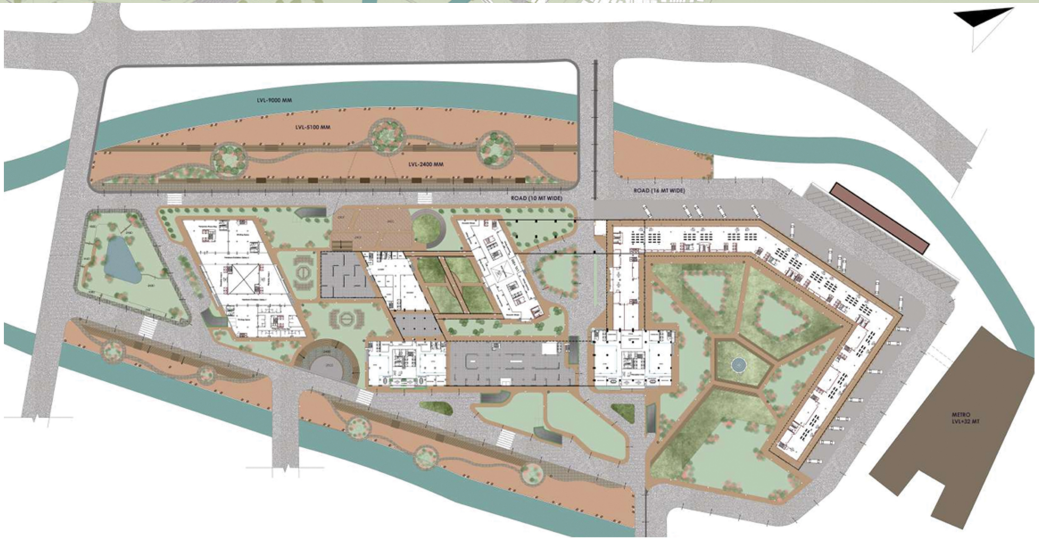


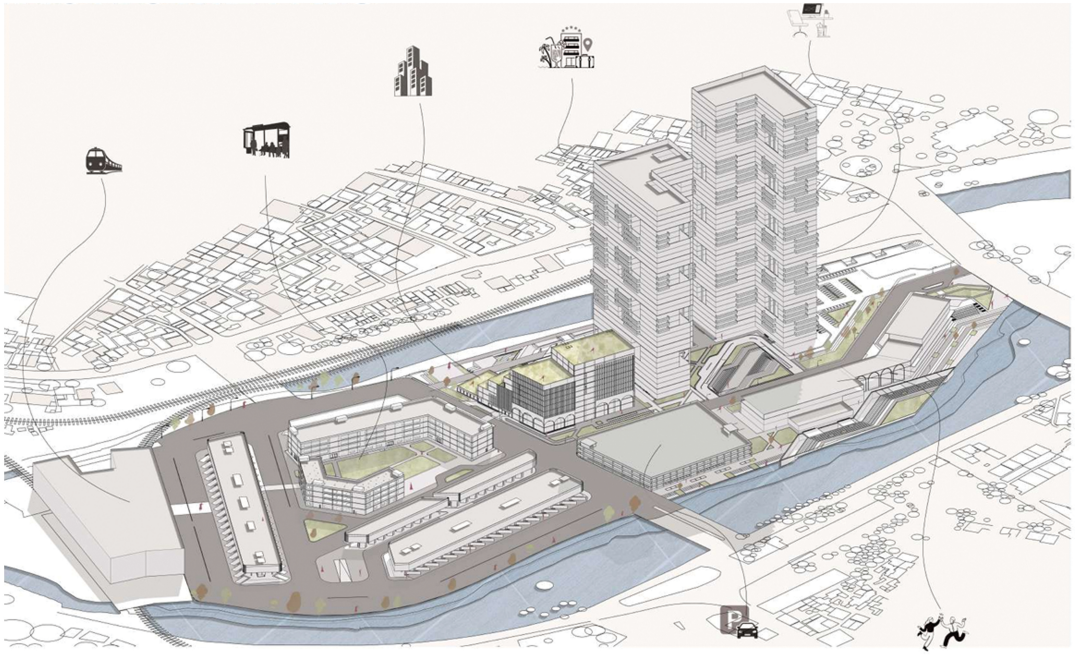
SITE PLAN (CIRCULATION LAYOUT)

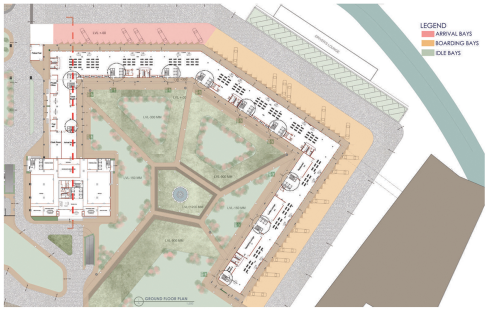


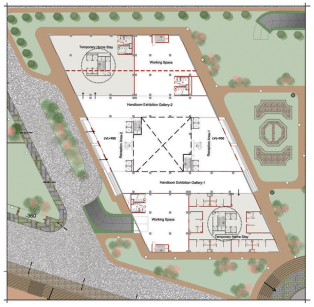




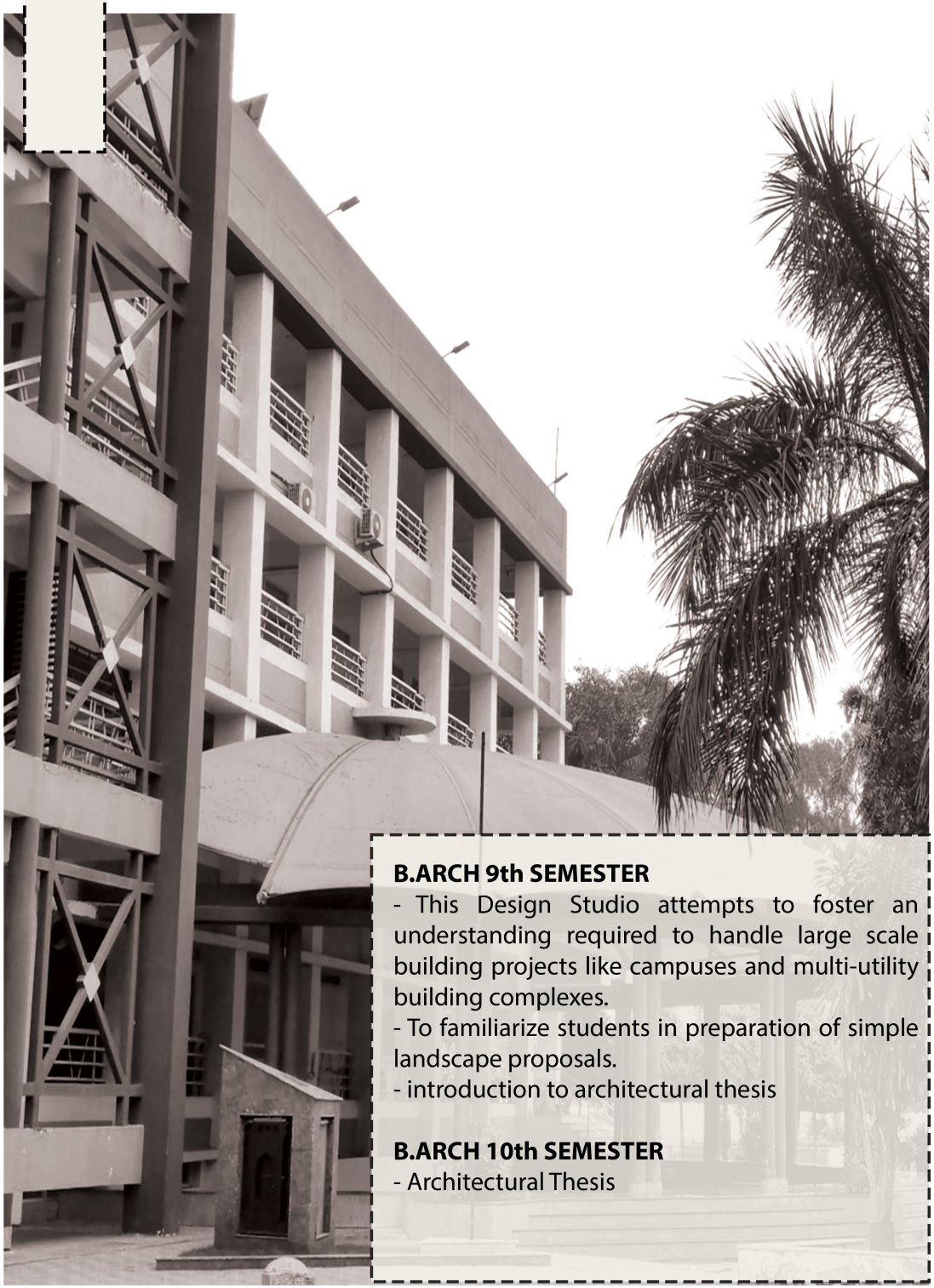










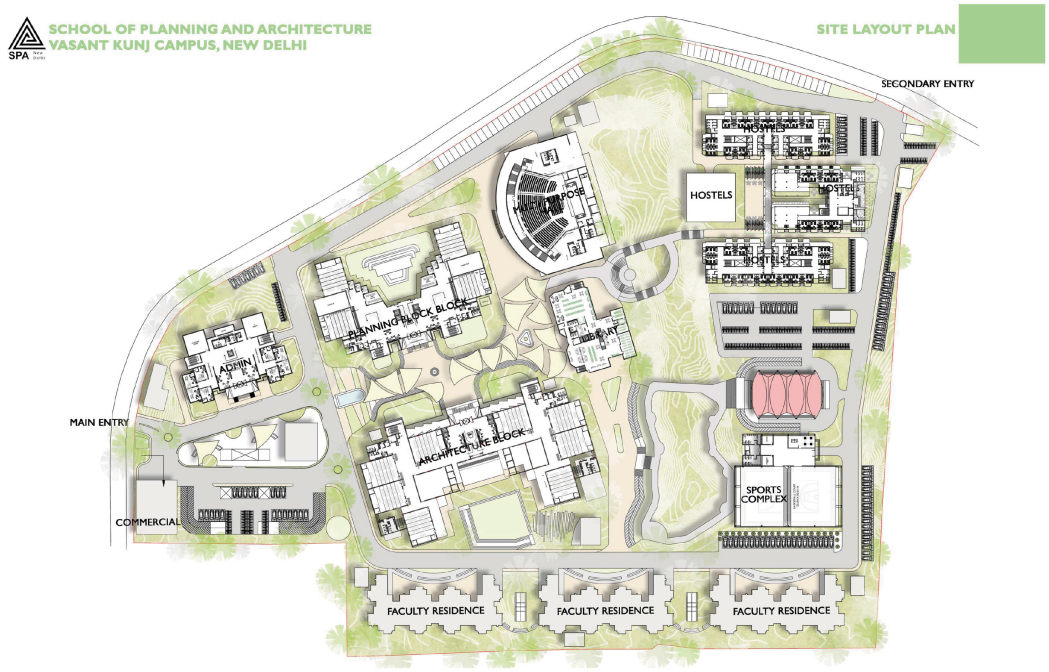


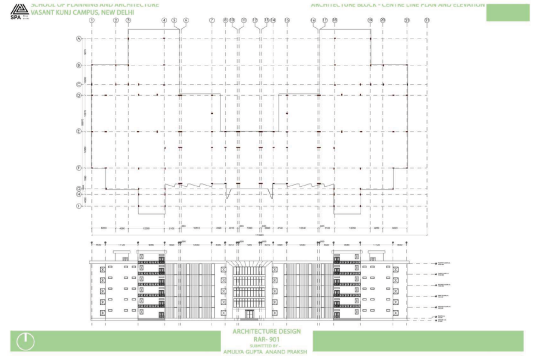
B.ARCH 9th SEMESTER

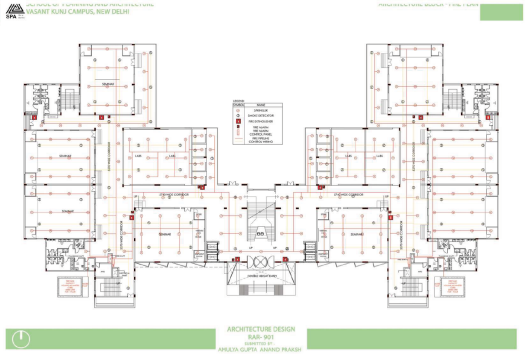
- This Design Studio attempts to foster an understanding required to handle large scale building projects like campuses and multi-utility building complexes.
- To familiarize students in preparation of simple landscape proposals.
- introduction to architectural thesis

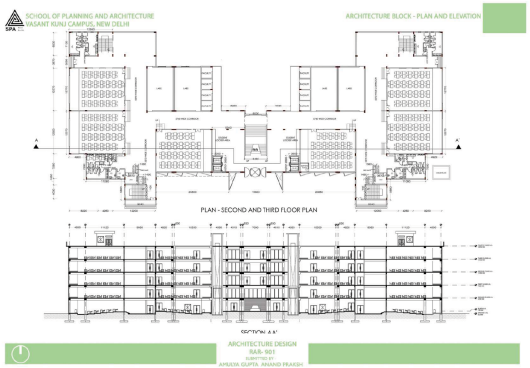
B.ARCH 10th SEMESTER

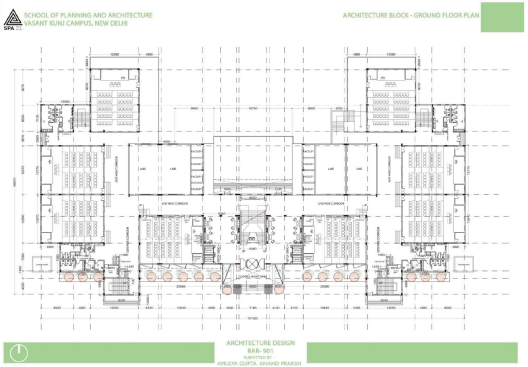
- Architectural Thesis











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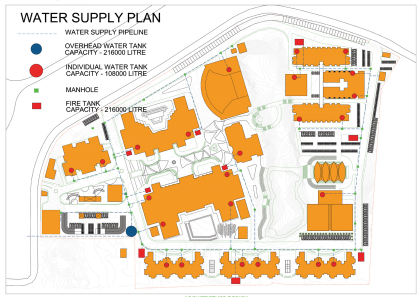
WATER SUPPLY



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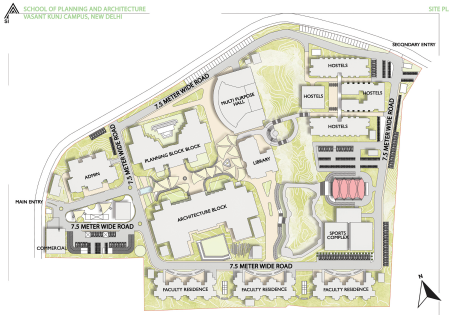
SITE PLAN



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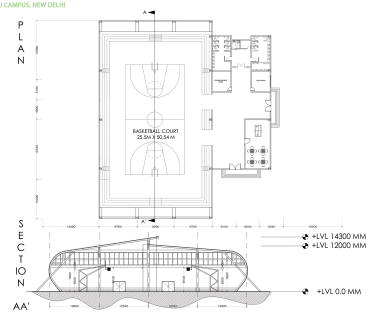
SPORTS COMPLEX



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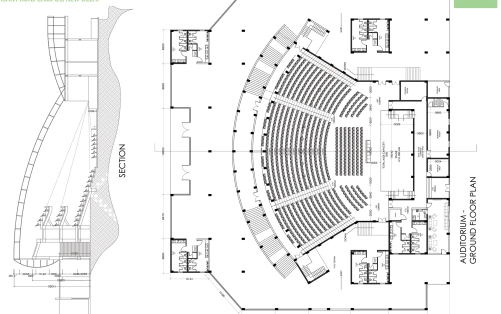
AUDITORIUM



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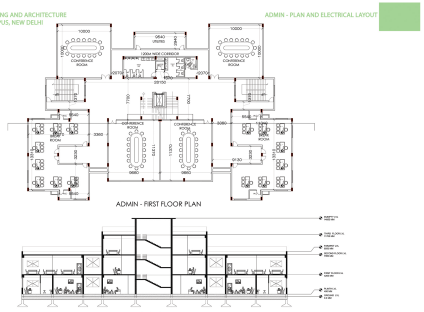
ADMIN - PLAN AND ELECTRICAL LAYOUT



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HOSTEL BLOCK



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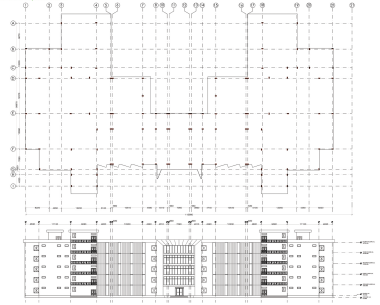
ARCHITECTURE BLOCK - CENTRE LINE PLAN AND ELEVATION



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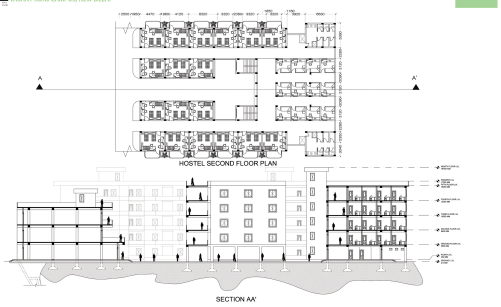
HOSTEL BLOCK



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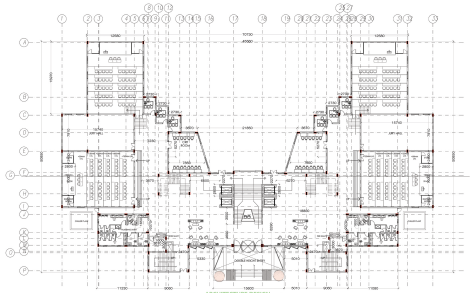
PLAN NING BLOCK GROUND FLOOR



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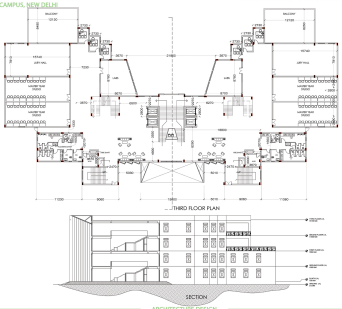
PLAN NING BLOCK - THIRD FLOOR PLAN AND SECTION



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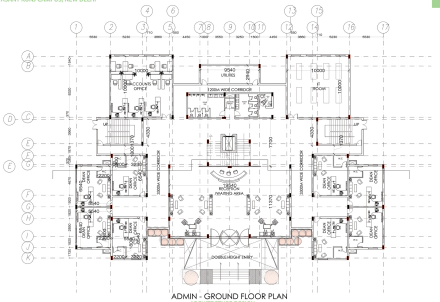

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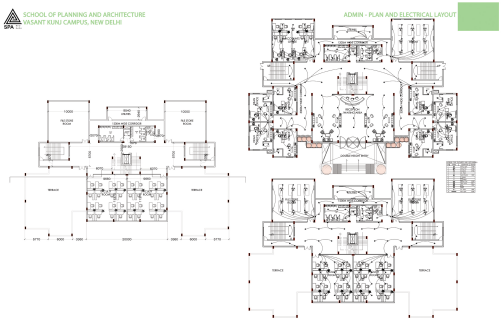

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