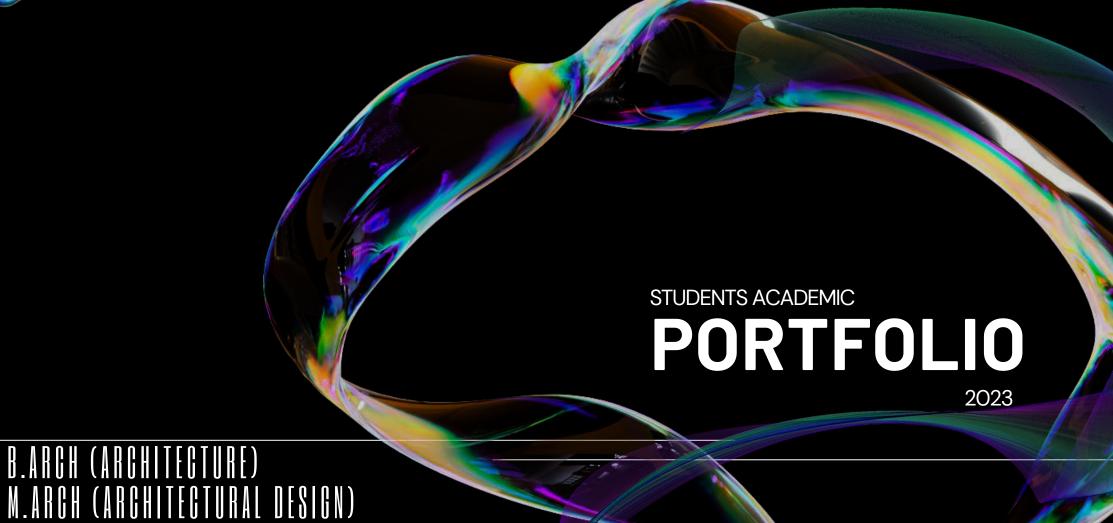
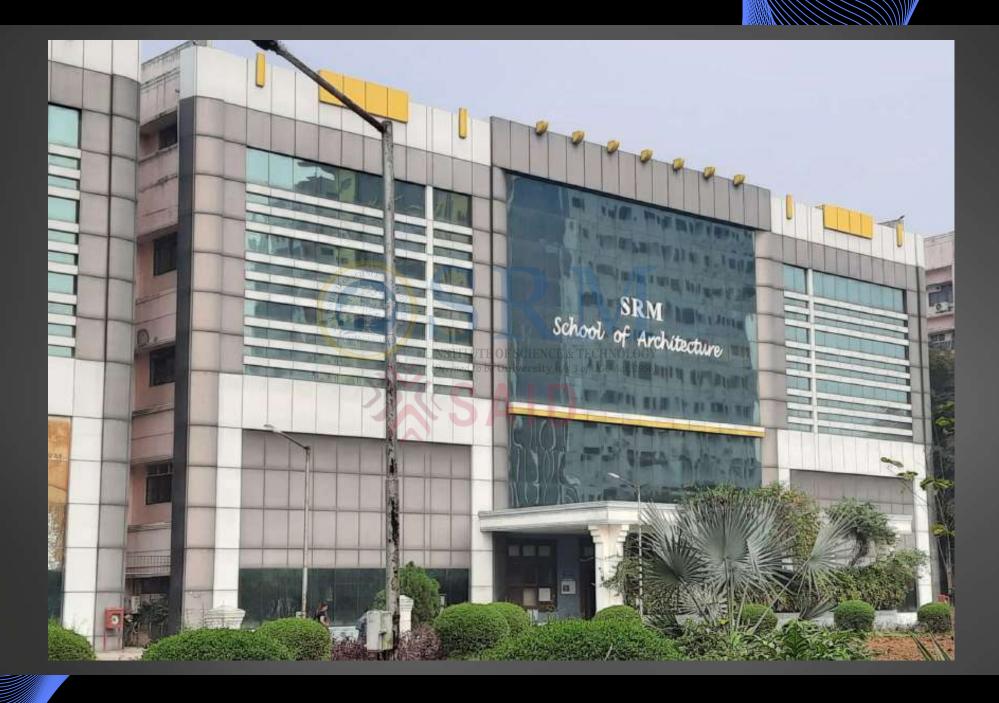


SCHOOL OF ARCHITECTURE AND INTERIOR DESIGN









SCHOOL OF ARCHITECTURE AND INTERIOR DESIGN

MESSAGE

STUDENTS ARCHITECTURE ACADEMIC PORTFOLIO 2023 takes our students journey of learning and discoveries of their academic path in the year 2023. Our faculty is a Community of dedicated Scholars and Teachers whose research expands the boundaries of our knowledge and Imagination and their teaching prepare students for wide ranging careers and lifelong learning. Our goal is to equip learners with usual skills and knowledge they need to succeed though. The portfolio follows the pedagogical approach Includes both comprehensive in class Instructions and the field experiential learning providing students with ample hands on practical experience and skills.

I Invite you to explore the Student's Portfolio 2023 to learn more about the brilliant learning environment at **The School of Architecture and Interior Design.**



Dr.PRADEEPA C
HOD, SCHOOL OF ARCHITECTURE AND
INTERIOR DESIGN

MESSAGE

STUDENTS ARCHITECTURE PORTFOLIO is the Academic collection of the students - 2023, This is a collection of work an the qualitative and quantitative analysis and research with the guidance of the faculties attained in the previous semester.

Students Architecture Portfolio - 2023 also focuses on the research, Innovation, Sustainable solutions of design problems presented to students with direction and encouragement from HoD and Faculties - School of Architecture and Interior Design.

We wish to present you to take you on a aspiring journey of the Architectural works of our brilliant minds.



Ar.KARTHIK RAJ M STUDENTS PORTFOLIO COORDINATOR

SCHOOL OF ARCHITECTURE AND INTERIOR DESIGN

UNDERGRADUATE

The school offers the Bachelor of Architecture (B.Arch.) program of 10 semester duration. The B.Arch. degree program at SRM is recognized as one of the India's Premier and the most comprehensive programs in Architecture due to the thrust on contemporary issues such as Sustainability, Urban Redevelopment etc. and continuous interaction with practicing architects of repute. It also offers a large number of elective studies, ensuring flexibility and a choice based education tailored to their areas of special interest which may be Urban Design, Landscape, Architecture, Housing, Project Management, Urban Planning etc. The program is approved by the Council of Architecture, New Delhi and was the first one in South India to be accredited by the National Board of Accreditation (AICTE) in 2001.

POSTGRADUATE

The 4 semester course of M.Arch (Architectural Design) degree is one of the most innovative programs in India and it prepares graduates to meet the challenges thrown up by the ever changing needs of contemporary society. This professional degree is structured to educate those who aspire to create masterpieces of complex Architecture including large scale infrastructure projects and Metro level Urban facilities. It aims to train scholars specifically in the Design & Construction of Tall buildings, Airports, Mass Rapid Transportation terminal, Stadiums and Environmental Planning.

GONTENTS - B.ARGH

LEVEL **LEVEL FOURTH** YEAR **FIFTH** YEAR

FSDS PROGRAMME FOUNDATION SKILLS DEVELOPMENT
STUDIO
LEVEL 1 & LEVEL 2

LEVEL 1 STUDIO - SEM 02

Architectural Design & Foundation skills

LEVEL 2 STUDIO - SEM 04 & SEM 06

Made into Six Modules

FOURTH YEAR - SEM 08

Urban Design & Housing

FIFTH YEAR - SEM 10

Thesis

GONTENTS - M.ARCH



FIRST YEAR - SEM 02
Urban Infra Structure Projects

SECOND YEAR - SEM 04
Thesis

BARREL 1 - FIRST YEAR - SEM 02

Semester 02 in collaboration with CEPT University aims at Students to gain knowledge in Architectural Design, Measured Drawings and Building Material Construction, Students will be able to Gauge sizes using their body that will help them to measure building components without use of any tapes, Will learn about the different kinds of Materials through hands on Workshop Tackling a Design problem deals with real life encounters in a contour site

FACULTY TEAM

- 1. Prof. TR Kamalakannan
- 2. Ar. Grace Ansica
- 3. Ar. R. Nivetha Devi
- 4. Ar. Shanmuga Priya
- 5. Ar. R. Krithika
- 6. Ar. Balamaheshwaran R
- 7. Ar. Prashanthini
- 8. Ar. Aishwarya R
- 9. Dr.P.Karuppusamy
- 10. Ar. Karthik Raj M

STURUCTURAL CUBE USING REED STICKS









BRICK BONDING







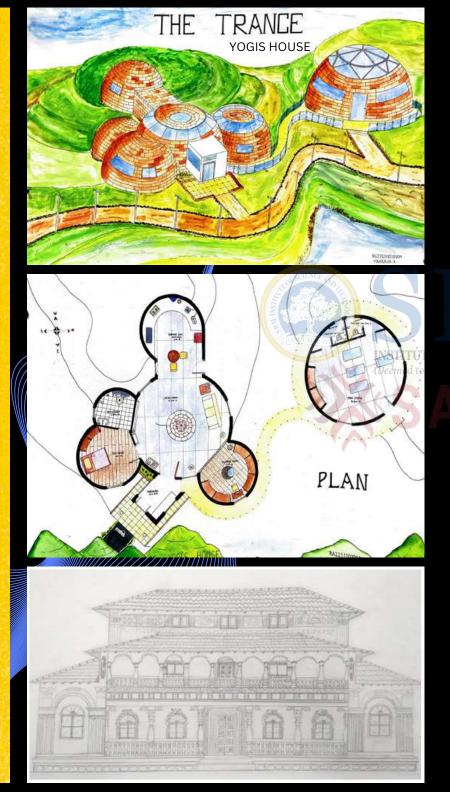


LEVEL

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T U D

B.ARCH

LEVEL 2 - SECOND & THIRD YEAR SEM 04 & SEM 06

Semester 04 & Semester 06 in collaboration with CEPT University aims at Students to gain knowledge in Architectural Design through combined Vertical Studio and divided into Six Modules.

MODULE 1 - ENVIRONMENTAL PERFORMANCE - A
Design driver in early stages of Architectural
Design Process

MODULE 2 - Documenting and Decoding the Vernacular language of Market spaces

MODULE 3 - Decipher & Construe - Regional Architecture of Chengalpattu + Shopping Center

MODULE 4 - The Unveiled Obscure of Bommakaara Veedhi, Kanchipuram

MODULE 5 - Detailing Vernacular Language I Public building

MODULE 6 - Rethinking the visual elements of street style shopping in conventional shopping malls.

FACULTY TEAM

MODULE 1 - Ar. G. Sudha, Ar. K. Kalaimathy

MODULE 2 - Ar. Dharani S Dharan, Ar. V. Aruna

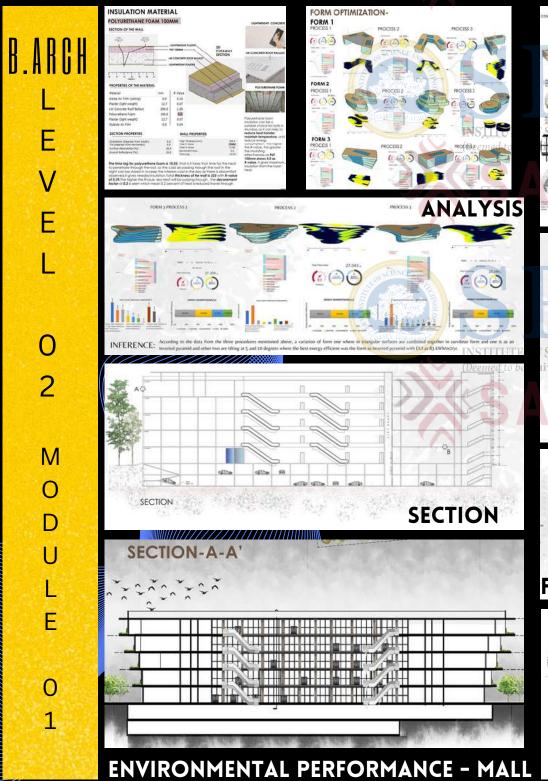
MODULE 3 - Ar. Gajendran T, Ar. Prasanna S

MODULE 4 - Ar. Arun.S.K, Ar. Manjari.K

MODULE 5 - Ar. Praveen N, Ar. Rengarajan N

MODULE 6 - Ar.D.Sukheshini, Ar. Vishva Dharani V M

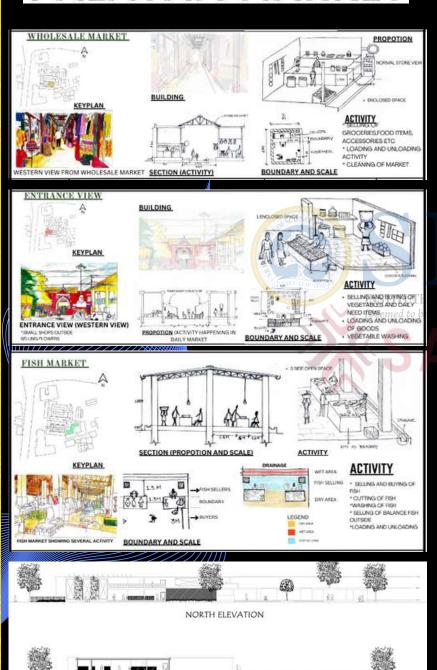






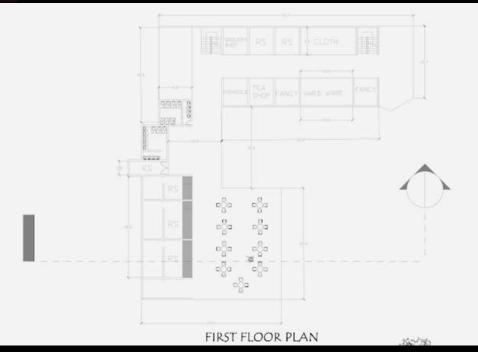
PALAYAM MARKET

DOCUMENTING AND DECODING MARKET SPACES

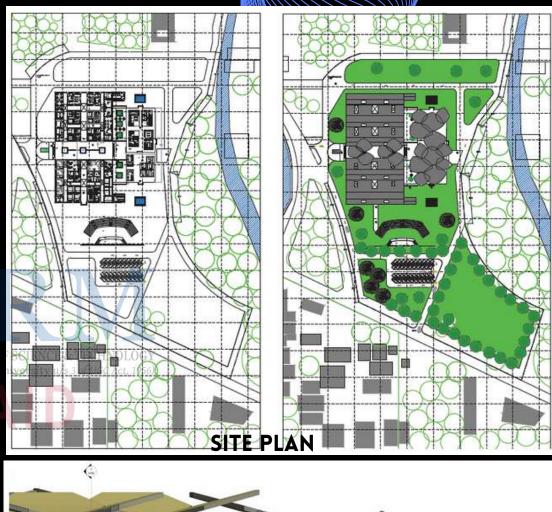


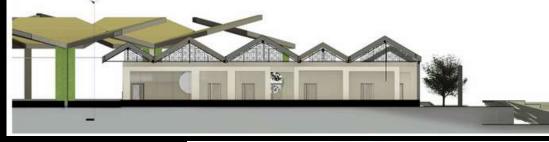
SECTION AA'















SITE PLAN SITE PLAN ALL DIMENSIONS ARE IN METRES **ROOF PLAN** SECTION AT A-A': SECTION AT B-B': 3



REGIONAL ARCHITECTURE OF CHENGALPATTU + SHOPPING CENTER

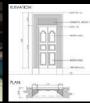
DOORS AND WINDOW DETAILS 4.29 2.05 6.19 SCALE - 1:40 **ELEVATION 1 ELEVATION 2** ROOF TILE MEASUREMENTS 6.76 MODULE SKIRTING FLOORING **MODULE 2- SHOP** 00 11 11 MURTISHOUSE FOUNDATION DETAILS CLEARSTORY WINDOW COLUMN DETAILS
It is a vertical structural
moreher that is designed
to transfer the weight of
the roof and any other
loads to the foundation
below.in a traditional
residential recontraction. SECTION A-A' ELEVATION ATHANGUDI TILE DETAILS ATHANGUDI TILES 15 mm MORTAR(50mm) P.C.C(75 mm) NORTHERN ELEVATION SOUTHERN ELEVATION THE UNVEILED OBSCURE OF BOMMAKAARA VEEDHI, KANCHIPURAM

- HAHAHAHAHA 5

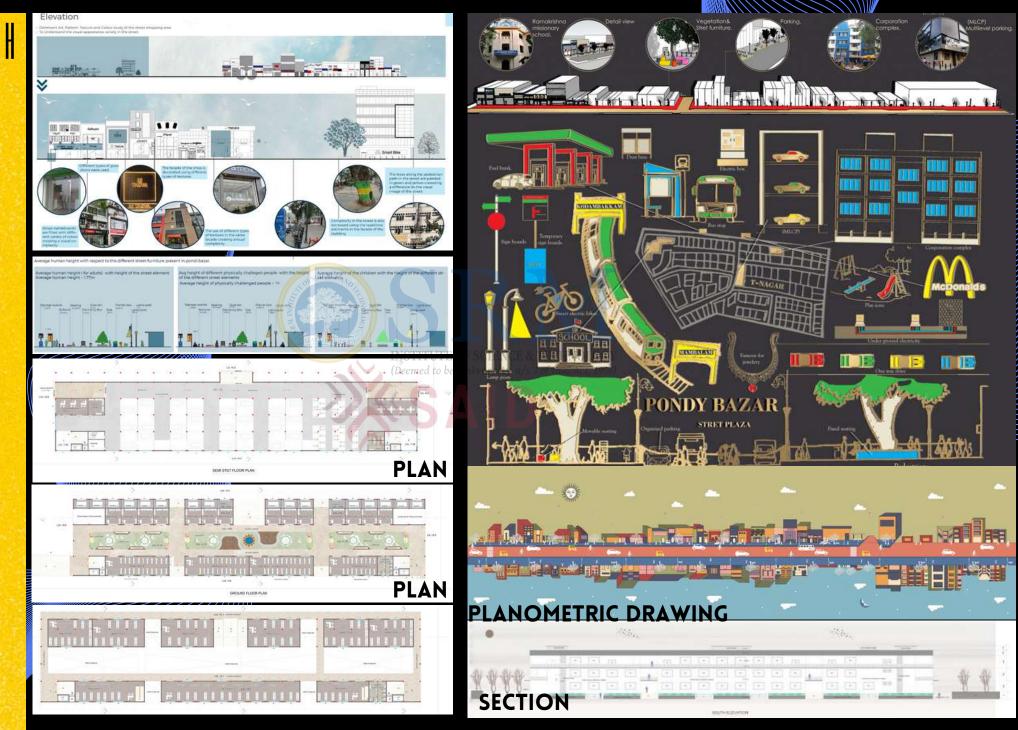








DETAILING VERNACULAR LANGUAGE I PUBLIC BUILD



RETHINKING THE VISUAL ELEMENTS OF STREET STYLE SHOPPING IN CONVENTIONAL SHOPPING MALLS

6







AND BOHBMAN STYLES, IT TYPICALLY PERTURES CLEAN LINES WITH STACKTYN FABRINGS CIA FALIR PLIN WOOD AND MAYES & PLAYING, PATTERN

CONTEMPORARY CHAIRS

HETTO DIAN SHUTUR SHIT CHAN GICHI TUCGGA JUA BI MOI PERFURBE STATE OF THE ART MATERIALS AND PURE. CLEVIN AND, ASARI, GREAT FOR SHALLOW SPRCES.



ROCKING CHAIR

LISTO BY GARDING ITS GUIVED BAND PRODUITS



RECLINER



AND A SURTLE CURVE IN THE BACKREST TOO THIS CHARL IS KNOWN FOR ITS COMPORTABLE



ENGLISH ROLL ARM CHAIR



ENGLISH ROLL ARM CHAIR

EASY CHAIR-

MID-CENTURY CHAIRS

CONSIDERED MODERNI AS THEY VALUE ON FUNCTION

OVER FORMA, BUT, THEY FEATURE THEIR OWN UNIQUE TWEET OF EXCOMPTIVE ADDICATE TO DRIVER INTUITE.
THEN PRODUCTHE MORE TRADITIONAL MODERN STYLE.

VIETA ROCCIOD AMERI, NUTTONI TURTONI SENIOL RECEIVANO.

LOUNGE CHAIR WITH OTTOMAN A LOUAGE CHAIR WITH AN OTTOMAS IS DEBUTIED FOR OCHRORIC

CHESTERFIELD CHAIR

DOMESTICAL DESIGNED IN THE 17008

CURRENTANCE AS THE CITTOMAN CAN DOUBLE UP AS EXTRA SEATING

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CIENC/BERGÈRE CHAIR COMPANY COMPANY AND AND AND COMPANY CONTRACTOR AND PALLETCHS WAY LOCKING DELYTONS AND INCOMESTIVE WITH SECTION OF THE SECTION OF

WE SURCISE SIGNATED WILLIAM CHIT HAND

ARM CHAIRS AND TYPES

WINGBACK CHAIR

FURNITURE DESIGN STUDIO













LIVE SCALE FURNITURE MODEL





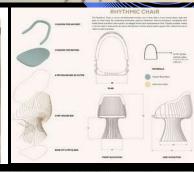








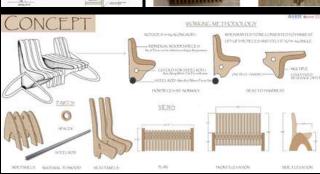




Powder coated steel

garden chair

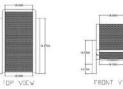
Wire Dining















FACULTY INCHARGE Ar. Praveen, Ms. Abinaya

URBAN DESIGN- STUDY SHEETS

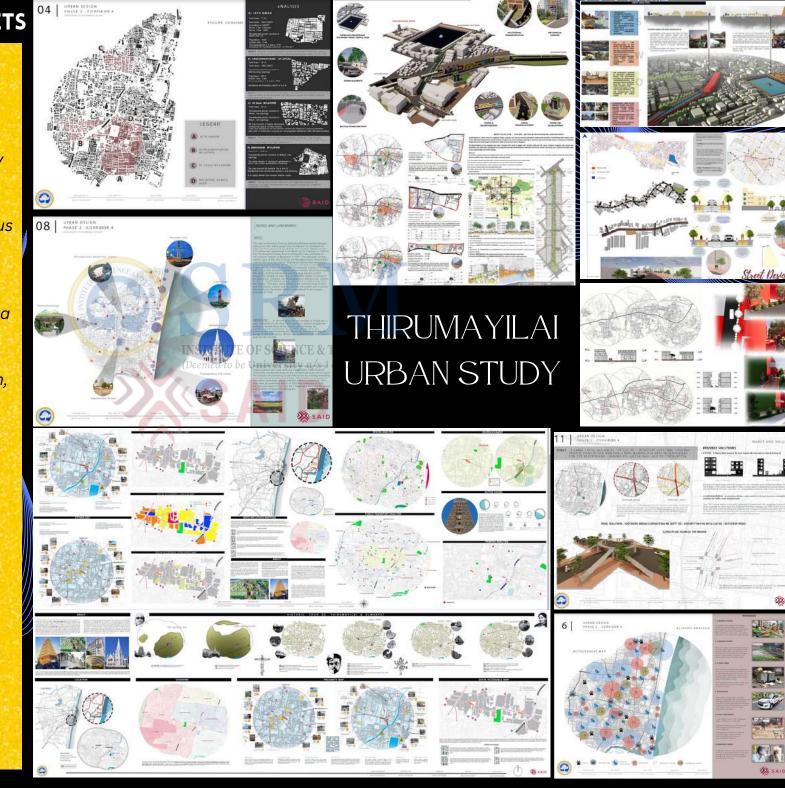
B.ARCH

FOURTH YEAR - SEM 08

Semester 08 is Urban Design - study and interpretation of Urban land in Chennai through understanding published studies/ analysis. The focus will be on components/aspects including different types of maps/mapping, drawings, sketches, photo documentations, reading, data collection, analysis. Aspects to include topography, geology, hydrology, micro climate, vegetation, urban density, growth, city limits/boundaries, history, urban architecture, typologies, infrastructure, land parcels, public space, demographics, patterns of usage, land use. Housing is also the part of this semester.

FACULTY TEAM

- 1. Ar. Purnachander
- 2.Ar.Sathish L
- 3.Ar.Prashanth
- 4.Deepika
- 5.Pavithra
- 6.Akshadha







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B.ARCH

FIFTH YEAR - SEM 10

Thesis, the culmination of an architectural undergraduate program, is a test to exhibit the creative innovations and researcher qualities of an Architect in the making.

Moreover, thesis will be the most prominent component of an architect's undergraduate portfolio, which will advocate for his/her prowess and seek acknowledgement in the world of practice.

THESIS COORDINATION COMMITTEE MEMBERS:

Dr. Pradeepa.C, HOD – SAID Prof. T.R.Kamalakannan, Prof. CT. Lakshmanan, Dr.K.Geetha Ramesh Dr.Narayana.K.A

THESIS COORDINATOR

Prof. T.R.Kamalakannan.

THESIS COORDINATION TEAM:

Ar. Prashant. P,

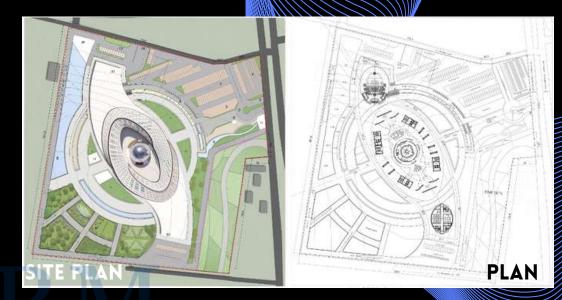
Ar. Geeva Chandana. B,

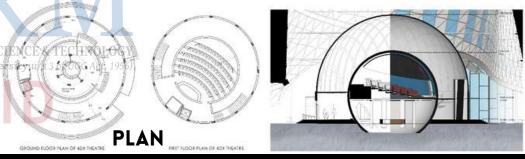
Ar. Aishwarya Raajkumar.

Ar.Karthik Raj M

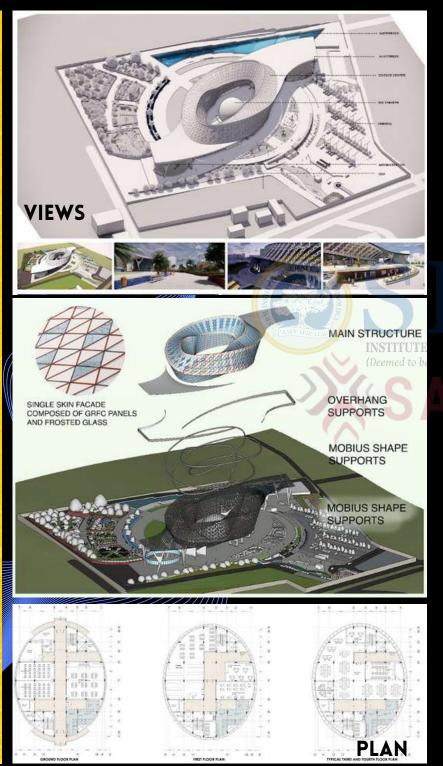
SCIEZOE

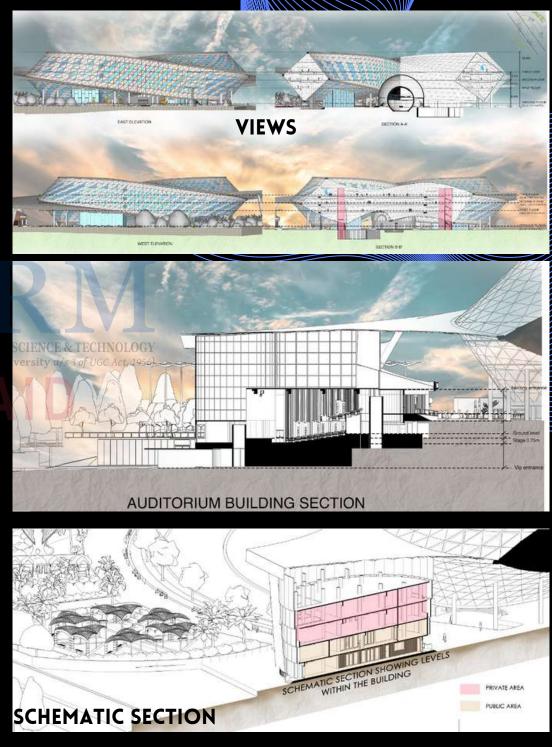












SCIENCE CENTRE, KANYAKUMARI

B.ARG F I Y F E T A

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CORPORATE OFFICE IN DEVANAHALLI

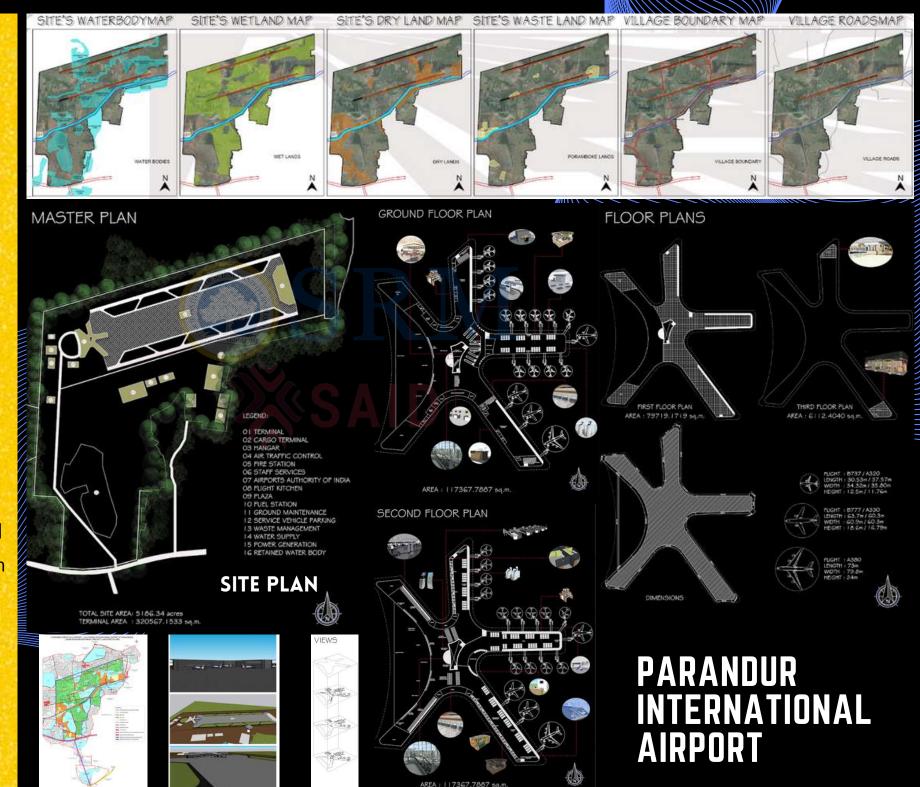
M.ARCH

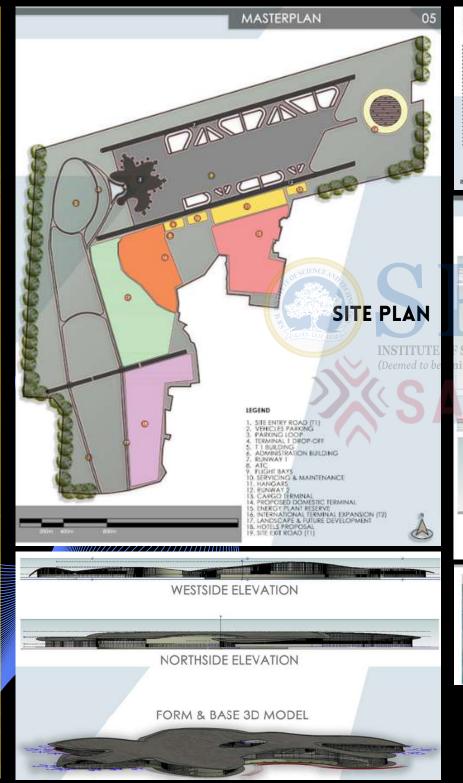
FIRST YEAR - SEM 02

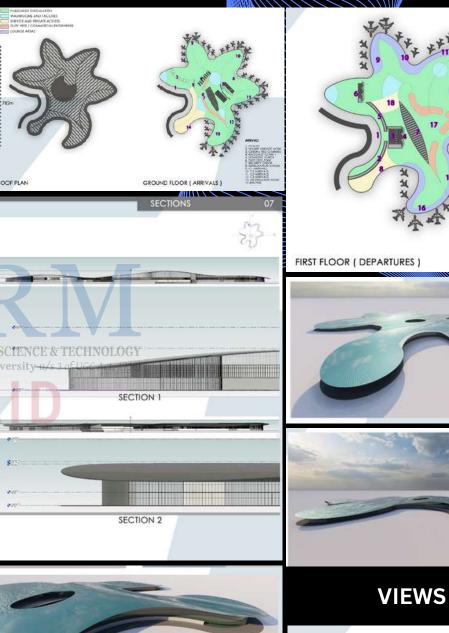
Sem 02 in Masters level focuses on Urban Infrastructure projects in specific about Airport Design.

FACULTY TEAM

1.Ar.Suryaprakash2.Dr.Syed









SECOND YEAR - SEM 04

Thesis, the culmination of a postgraduate program, is a test to exhibit the creative innovations and researcher qualities of a Designer in the making. Moreover, thesis will be the most prominent component of a Designer's postgraduate portfolio, which will advocate for his/her prowess and seek acknowledgement in the world of practice.

THESIS COORDINATION COMMITTEE MEMBERS:

Dr. Pradeepa.C, HOD – SAID Prof. T.R.Kamalakannan, Prof. CT. Lakshmanan, Dr.K.Geetha Ramesh Dr.Narayana.K.A

THESIS COORDINATOR

Prof. T.R. Kamalakannan.

THESIS COORDINATION TEAM:

Ar. Prashant. P,

Ar. Geeva Chandana. B,

Ar. Aishwarya Raajkumar.

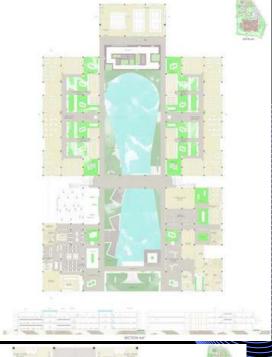
Ar.Karthik Raj M

M.ARGH

SCHOOL OF PLANNING AND ARCHITECTURE (SPA) DELHI







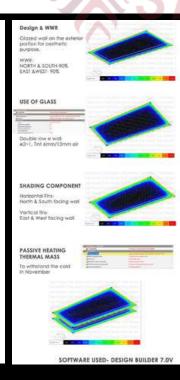




SCHOOL OF PLANNING AND ARCHITECTURE (SPA) DELHI

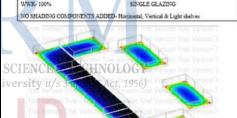
BASE CASE INSTITUT (Deemed to

GLASTING FORM FORM BEAUTY COMPONENTS Revisioned & Torkel fine Global purch Thomas and Thomas and Thomas and Thomas and Torkel fine Condent form of the Control of the C



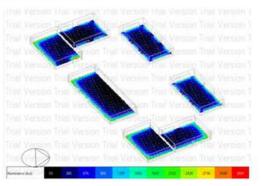
ACADEMIC- STUDIO





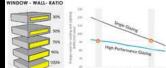
WINDOW PLACEMENT & WWR











ine groph acover show that a building with high-performance glazing but a high WWR of 75% uses the same amount of energy as a building with single pane glass but a lower WWR of 30%. Therefore, designing with a lower WWR is an effective strategy for managing head gain.

DAYLIGHT IN BUILDINGS

Doylight in buildings is composed of a mix - direct sunlight, dilfuse skylight & light reflected from the ground & surrounding elements



DIRECT SUNLIGHT is characterized by very high intensity and constant movement.

SKYUGHt is characterized by sunlight scattered by the atmosphere and clouds, resulting in soft, diffuse fold.

REFLECTED LIGHT is characterized by light (sunlight and skylight) that is reflected from the ground; terrain, trees, vegetation, neighbouring building etc.

DAYLIGHT FACTOR DF = 5C+ ERC+IRC



SKY COMPONENT (SC) Directly from the sky, through an opening such
as a window. Sky Component (SC) depends or
Width of the window.

Distance between the point and window.

nponent ERC & IRC

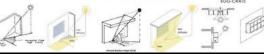
SHADING DEVICES

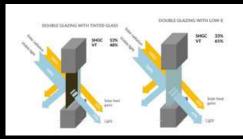
The sun follows a fixed path in the sky for any location depending on the time of the year. External shading devices can be designed to take advantage of these predictable paths to cut out the higher summer sun but let in the lower winter sun.



Notizonfal sunshades work well an south-facing waits in the Northern Hemisphere or north-facing walts in the Southern Hemisphere. For the east and wait Adding windows, vertical louvies work before to control solar gain because the sun moves in a more vertical direction when it is right and welfful.

DRIZONTAL & VERTICAL SHADOW ANGLE HAS + wall azimuth - Solar azimuth





IMPACT OF GREEN
LELOPE IN A OFFICE BLOCK I **MASSING** BLOCK 3 SERVICE ROAD OSR-10% MAIN ENTRY PODIUM-MAIN DROP OFF PICK UP AREA WHEREY BLOCK MAIN EXIT STILT & BASEMENT PARKING ENTRY PEDESTRIAN PLAZA CONNECTING ALL 3 BLOCKS В SECOND FLOOR PLAN * SUBFACE LEVEL PARKING-VISITOR'S S · SERVICE BOAD SED-STH TYPICAL FLOOR FLAN **SITE PLAN**

M.ARCH

S E Y C E O A N R

THESIS



W

COMPUTATIONAL ANALYSIS

