



योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education, Govt. of India

MASTERS OF ARCHITECTURE

Sustainable Architecture

MSAR

PLACEMENT BROCHURE

2024-2026



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“We borrow environmental capital from future generations with no intention or prospect of repaying it. We act as if there is no tomorrow”.

– Lester R. Brown

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MESSAGE FROM THE
Director

Dear Recruiter,

Greetings from S.P.A. Vijayawada

It is my pleasure to invite you all to the placements of this institution of national importance. S.P.A. Vijayawada is committed to train responsible, ethical and professionally skilled Architects and Planners. As an institute, S.P.A. Vijayawada is driven by its passion to achieve academic excellence through innovation and research. The same is reflected in the unwavering spirit and continued endeavour of our Faculty and Students who have earned national and international accolades for the institute.

The Post Graduate program in Sustainable Architecture has made a significant impact on the progress of architects in India, with our graduates rendering their services to the best of their knowledge and expertise gained at S.P.A. Vijayawada.

We are excited to release our Placement Brochure which entails our efforts towards guiding the career path of our Students. On behalf of S.P.A. Vijayawada fraternity, I express my gratitude to all the past, present and future recruitment partners for their participation and continued trust shown in our Students.

Looking forward to a positive response from one and all!



Prof. Dr. Ramesh Srikonda
Director, S.P.A. Vijayawada

About SPA Vijayawada

The School of Planning and Architecture, Vijayawada (SPAV) was established on July 7, 2008 by the Ministry of Human Resource Development (now Ministry of Education), Government of India as an autonomous institution. In 2014, SPAV was declared an “Institution of National Importance” through an Act of Parliament, joining the select group of premier Centrally Funded Technical Institutions (CFTIs) in the country.

SPAV stands as a centre of excellence in architecture and planning education, committed to advancing innovative design thinking, socially responsive planning, and cutting-edge research. The Institute nurtures future-ready professionals through a rigorous academic framework that blends creativity, design excellence, and scientific objectivity with a strong social purpose.

The pedagogy at SPAV integrates studio-based learning, fieldwork, research projects, and industry interactions, ensuring that students develop critical problem-solving abilities, technical expertise, and leadership qualities. A strong academic environment is supported by experienced faculty, eminent visiting professors, and industry experts from across India.

SPAV graduates are equipped with holistic knowledge, professional skills, and ethical values, making them highly capable of addressing the complex challenges of urbanization, sustainability, and development in India and beyond.

RESEARCH & INNOVATION
LABS



TRANSPORTATION



CLIMATOLOGY



CONSERVATION



COMPUTER



PRODUCT DESIGN



WIND TUNNEL



MODEL MAKING &
CARPENTRY



MATERIAL TESTING



STRUCTURAL



GEOINFORMATICS



LANDSCAPE



ART



CERAMIC



JEWELLERY DESIGN



STRUCTURES &
SURVEYS



ENVIRONMENTAL
MONITORING



HOD's Desk



It is with immense pride and enthusiasm that I present this placement brochure for the students of Master of Sustainable Architecture program at the School of Planning and Architecture, Vijayawada. It is my honor and a privilege to highlight the remarkable journey and achievements of our students, and to extend a warm invitation to esteemed industry partners and potential employers.

Our Sustainable Architecture program stands as a testament to our commitment to advancing the field of architecture through innovation, sustainability and excellence. Our program equips students with the knowledge, skills and vision needed to tackle contemporary architectural challenges. Our curriculum blends rigorous academic training with hands-on experience, fostering a deep understanding of sustainable practices and cutting-edge technologies.

This brochure provides a glimpse into the caliber of our graduates, who are not only well-versed in sustainable design principles but also adept in integrating these practices into practical and impactful solutions. Each student has been meticulously trained to approach architectural problems with creativity, analytical ability and a deep sense of responsibility towards the environment and society.

As we release this brochure, we invite potential employers and industry leaders to explore the profiles of our graduates. We believe that their expertise and passion for sustainable architecture will align seamlessly with the needs and goals of your organization. We are confident that they will contribute meaningfully to your projects and initiatives, bringing fresh insights and a forward-thinking approach to every challenge.

We look forward to strong partnerships with industry leaders and creating opportunities that will enable our graduates to excel and make a positive impact on the world.

Dr. Srinivas Daketi
H.O.D., Dept. of Architecture
S.P.A. Vijayawada

Department Of Architecture

The Master of Architecture program at SPA Vijayawada nurtures creativity, innovation, and critical thinking in design. With a balance of theory, technology, and hands-on studio experience, the course prepares future architects to respond to the dynamic needs of society. Students are encouraged to explore new ideas, embrace cultural heritage, and push the boundaries of design excellence. At SPA Vijayawada, architecture is not just about building spaces—it is about shaping meaningful experiences and creating a lasting impact.

With strong academic mentorship, industry exposure, and collaborative studios, the program equips graduates to excel in diverse domains—from urban design to research and professional practice. SPA Vijayawada fosters a vibrant learning environment where passion meets purpose, empowering students to grow as leaders in architecture. The program opens pathways to both academic and professional excellence. It is a journey of growth, creativity, and lifelong learning.

Bachelors of Architecture

Doctoral Programme in Architecture

Masters of Architecture Sustainable Architecture

Masters of Architecture Landscape Architecture

Masters of Architecture Architectural Conservation

Masters of Building Engineering & Management

Masters of Urban Design

Masters of Design

Masters of Sustainable Architecture

The Masters in Sustainable Architecture at SPA Vijayawada equips students to become pioneers in climate-responsive and eco-friendly design. The program focuses on integrating sustainability with advanced technologies and traditional wisdom, ensuring solutions that are both innovative and responsible. From green buildings to resilient urban strategies, students learn to design spaces that conserve resources, respect the environment, and enhance human well-being. At SPA Vijayawada, sustainability is more than a concept—it is a way of redefining the future of architecture.

Through research-driven studios, live projects, and interdisciplinary collaborations, students gain practical skills to address global challenges like climate change, energy efficiency, and resource management. The program creates professionals who not only design sustainably, but also inspire communities and industries to move towards a greener future. It prepares students to become thought leaders in sustainability. Every graduate leaves with the vision to design responsibly and build a better tomorrow.



Our Mentors..



Prof. Dr. S Ramesh

*Director & Professor,
School of Planning and Architecture,
Vijayawada.*

Ph.D.,(IIT-Delhi) PGDEE (Ecology &
Environment, New Delhi), MTP(Anna
University-Chennai), B.Arch
(JNTU,Hyderabad)



Prof. Dr. Kailasa Rao M

Professor

Ph.D (Manipal university), M. Arch
(Architectural Conservation, SPA New
Delhi), B. Arch (JNTU, Hyderabad)



Prof. Dr. Iyer Vijayalaxmi K

Professor

Post-Doc, Phd (SAP Chennai), M.Arch
(SAP, Chennai), B.Arch.(SAP Chennai)



Dr. D Srinivas

*Professor & Head Department of
Architecture*

Phd (SPA Vijayawada), M.Plan (Housing)
SPA New Delhi, B.Arch.



Dr. Ch Anil Kumar

*Professor & Dean Planning and
Development*

B. Arch, M. Arch (IIT-R),
Nsc.Arch(Ex)-San Diego, CA, USA,
PhD (SPA Vijayawada)



Dr. Lilly Rose A

*Associate Professor & Dean
Academic*

Ph.D (SAP, Chennai), M.Arch, B.Arch



Dr. Banu Chitra M

*Associate Professor & Dean
Research & Academic Coordinator*

PhD.,M.Arch (Landscape)



Dr. Shanmuga Priya G

Associate Professor

PhD (Design and Planning) University of
Colorado Denver, USA, PGDLA, CEPT,
Ahmedabad, B. Arch, SAP, Chennai.



Dr. Uma Sankar Basina

*Associate Professor & Dean
Students Affairs*

PhD (IIT-Kgp), M.Tech. (IIT-D), B.Arch.
(AUCE, Visakhapatnam)



Dr. Amitava Sarkar

Associate Professor

Ph.D Jadavpur University, Kolkata,
MCP , B.Arch



Dr. Janmejy Gupta

Associate Professor

Ph.D (Architecture) (BIT,Mesra), MUP
(SPA, New Delhi), B. Arch (BIT, Mesra),
IGBC- AP (Accredited Professional)



Dr. Khuplianlam Tungnung

Associate Professor

Ph.D (MEXT, Japan), M.Des. (MEXT,
Japan), B.Arch. (Birla Institute of
Technology, Mesra)



Dr. S Venkata Krishna Kumar

Associate Professor

Ph.D (Architecture), SPA, Vijayawada



Dr. Faiz Ahmed C

Assistant Professor

PhD., M.Plan, MURP (France), B.Arch.



Dr. Nagaraju Kaja

Assistant Professor

PGDESD (Environment &Sustainable
Development), M. E (Construction
Management), B. Arch





Our Mentors..



Dr. M Kranti Kumar

Assistant Professor

PhD(SPA Vijayawada),
M.Sc. (Construction Management),
B.Arch



Dr. G Karteen

Assistant Professor

PhD(SPA Vijayawada),M.Arch (Urban
Design) SPA New Delhi, B.Arch.)



Ar. Ch Karthik

Assistant Professor

M.Arch(Sustainable Architecture)
SPA Vijayawada, B.Arch



Ar. Kapil Natawadkar

Assistant Professor

M.Arch -Landscape Architecture (SPA,Delhi) ,B.Arch (Pune University)



Ar. Vijesh Kumar V

Assistant Professor

B.Arch (NIT Trichy - Gold Medal),
M.Tech (IIT Kgp)



Dr. R N S Murthy

Assistant Professor

PhD (SPA Vijayawada), M.Plan
(Environmental Planning), Andhra
University, B.Arch.



Dr. Prashanti Rao

Assistant Professor

Ph.D (Architecture and Planning -SPA
Bhopal) ; M PLAN (Masters in Urban
Development and Planning , MANIT
Bhopal); B. Arch (MACT Bhopal)



Dr. D Jagath Kumari

Assistant Professor

Phd in Civil Engineering (Structures)Andhra
University, Visakhapatnam ME (Structural
Engg. & Natural Disaster Management) GITAM
Visakhapatnam., BE (Civil Engg.), MIE



Ar. Pushpendra Kumar

Assistant Professor

M. Des. (Industrial Design) SPA Delhi,
B.Arch (SPA Vijayawada)



Dr. P. Siva Prasad

Assistant Professor

B.E., M.E., Ph.D. (IIT Madras)



Ar. T Madhava Rao

Assistant Professor

B.Arch, M.U.R.P



Ar. Somaina Islary

Assistant Professor

ch - Gold Medalist (NIT Hamirpur), M.Arch. -
Landscape Architecture (SPA Delhi),
LEED Green Associate



Ar. Deepak Kumar

Assistant Professor

B.Arch(SPA New Delhi), Masters in
Urban Design(SPA New Delhi)



Mr. P Santhosh Kumar

Assistant Professor

M.Fine Arts(Sculpture) CAVA University
of Mysore, B.Fine Arts(Sculpture)
Andhra University

Students Profile



Location:
Pathanamthitta, Kerala

Background:
B. Arch (2023), APJ Abdul Kalam technological university,TKM College of Engineering, Kollam

Area Of Interest:
Climate resilient design, Thermal envelope optimization, Blue green infrastructure, UHI mitigation, Sustainable Material Applications, Net Zero Water Design, Sustainable Landscape Design.

Experience:
1- Sustainability Intern- Tropical Greenovation Cluster, Kochi(05/25-06/25),
2- Freelance Architect- Residential and landscape design(06/23-06/24),
3- Architectural Intern- Environmental creations, trivandrum(07/21-1/22),

Skills:
Rhino-ladybug tools, Climate studio,Envimet, design builder, eQuest, Revit, Autocad, Sketchup, Adobe softwares, Blender, ArchGIS , Twin Motion, Lumion, Opaque, Climate Consultant



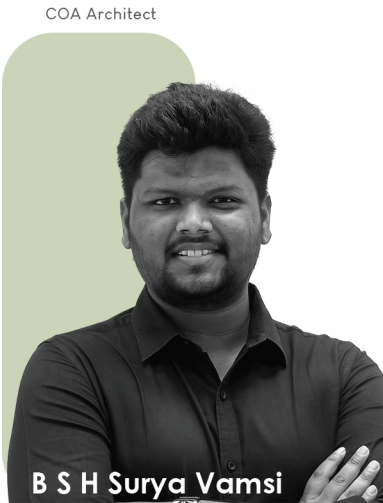
Location:
Hyderabad, Telangana

Background:
B.Arch (2024), Sri Venkateswara College of Architecture (SVCA), Madhapur, Hyderabad.

Area Of Interest:
Climate-Responsive Architecture and Designing, Implication of Circular Economy and Its Concepts, R&D of Passive and Active Strategies for Improving Thermal Comfort and Net-Zero & Green Building Certifications,

Experience:
1. Intern - Studio Inscape, Hyderabad (07/2023 - 01/ 2024).
2. Freelance Architectural Designs (07/2022 - Present)

Skills:
AutoCAD, SketchUp, InDesign, DIALux, Climate Consultant, ArchGIS, Opaque, FormIt Pro, ENVI-met, Rhino (Ladybug), Design Builder, Autodesk CFD, MS Office, Ecotect, Adobe Photoshop, Twin Motion



Location:
Ongole, Andhra Pradesh

Background:
B. Arch (2023), National institute of technology, Rourkela

Area Of Interest:
Sustainable Building Design & Net Zero Performance, Climate responsive Architecture, Green Building Certification & Policy, Holistic approach for Cities, Architectural Documentation

Experience:
1. Research Intern - VIT, Vellore (05/2025 - 07/2025)
2. Junior Architect - Scale Design, Hyderabad (06/2023 - 06/2024)
3. Intern - Prakruti Vasthukala, Bhubaneswar (12/2021 - 05/2022)

Skills:
Rhino3D-ladybug tools,Envimet, design builder,Revit, Autocad, Sketchup, DIALux, Climate Consultant, Opaque, FormIt Pro, Adobe Post Production Tools(Photoshop, Lightrrrom, Premiere Pro), Lumion, Twin Motion, MS Office, Latex, ArchGIS



Location:
Chennai, Tamil nadu

Background:
B.Arch (2023), MNM Jain School of Architecture, Chennai.

Area Of Interest:
Climate responsive building design ,Whole Building Energy Performance,Green Building certifications & energy audits, sustainable material applications, envelope optimization and Net zero design.

Experience:
1. Intern - Ela Green Buildings & Infrastructure , Chennai (05/25 - 07/25)
2.Architect -Free Mind Designs (Freelance) (05/23 - Till date)
3. Junior Architect - Space Studio Chennai (11/23 - 08/24)
4.Intern- Creative Architects & Interiors, Chennai (08/22 - 11/22)

Skills:
Rhino3D-ladybug tools,Design Builder ,ENVI-MET, eQuest ,Ecotect ,Autodesk CFD,DIALux, Opaque, Climate Consultant , FormIt, CBE Clima Tool, Autocad, Sketchup,Revit, ArchGIS, Lumion, MS Office, Adobe softwares



Location:
Solapur,Maharashtra

Background:
B.arch(2023), S.P.S.M.B.H.'s College of Architecture, Kolhapur

Area Of Interest:
Green Building Certifications & Policy Making, Climate responsive design, Alternate Sustainable Construction Techniques, Resource & Energy Efficiency, Resilient Design, Net Zero Design

Experience:
1. Intern - Kaizen Design Solutions, Mumbai (20/05/2025 - 20/07/2025)
2. Junior Architect - Shashwat Green Building Consultants, Pune (04/2024 - 07/2025)
3. Intern - Chlorophyll Design Studio, Pune (08/2022 - 12/2022)

Skills:
Design Builder, Envimet, Dialux, Ecotect,Rhino, Revit ,AutoCad, Climate consultant ,Opaque, Adobe suite(Ps) , Adobe (Ps,Id) , Microsoft Office, CorelDRAW



Location:
Malappuram,Kerala

Background:
B.arch(2024),Nehru College of Architecture ,Palakkad,Kerala.

Area Of Interest:
Climate responsive building design, Green building certifications & energy audits, Sustainable building design and whole building performance, Indoor environmental quality and Decarbonisation.

Experience:
1.Intern - Integrative Design Solutions, Chennai (05/2025-07/2025)
2.Intern -Us Design Studio, Hyderabad(02/2023-06/2023)

Skills:
Design Builder, Envimet,Climate consultant 6.O,ArchGIS,Revit,Rhino3D-Ladybug tool, FormIt Pro Autocad, Sketchup, Lumion, Adobe (Ps,Id), Microsoft Office,Ecotect, Opaque

Students Profile

<div>COA Architect</div> <div></div> <div>Hareesh P</div> <div>Location: Chennai, Tamil Nadu</div> <div>Background: B.Arch (2024), Misrimal Navajee Munoth Jain School of Architecture, Chennai.</div> <div>Area Of Interest: Urban Heat Island (UHI) Mitigation Outdoor thermal comfort. Computational Fluid Dynamics (CFD), Whole Building Energy Performance, Policy Analysis & Implementation, Indoor Environmental Quality (IEQ).</div> <div>Experience: 1. Sustainability Analyst Intern – Integrative Design Solutions, Chennai (05/2025 – 07/2025) 2. 3d Visualizer – Dotesch Visualization, Chennai (Freelancing) (12/2024 – 08/2025) 3. Architectural Intern – KASA Design Collective ,Chennai (07/2023 – 11/2023)</div> <div>Skills: Autodesk : AutoCAD, Formit pro, Ecotect, CFD 2024 , Revit , Adobe Photoshop, InDesign, Lightroom ,Rhinceros 3D – Ladybug tools, SketchUp, ENVI-MET, Design Builder, D5 Render, MS Office, Power BI , ArchGIS ,QGIS. and Climate tools.</div>	<div>COA Architect</div> <div></div> <div>Inumarty Deepika</div> <div>Location: Rajahmundry, Andhra Pradesh</div> <div>Background: B. Arch (2023), National institute of technology, Raipur</div> <div>Area Of Interest: Sustainable building design, Climate responsive design, Biophilic & human-centric design, Green building certification systems, Computational Fluid Dynamics (CFD), Adaptive reuse & retrofitting for sustainability</div> <div>Experience: 1. Intern – Mohan Consultants, Hyderabad (07/2022 – 04/2023) 2. Junior Architect – Bhasker Design Team, Visakhapatnam (05/2023 – 07/2023) 3. Research Intern – IIT BHU, Varanasi (05/2023–07/2023)</div> <div>Skills: DesignBuilder , Autodesk Insight , Ladybug Tools for Rhino, ENVI-met, Opaque, Climate-Consultant, AutoCAD, Autodesk Revit, SketchUp, Autodesk FormIt, Enscape, Adobe Photoshop, Microsoft Office.</div>	<div>COA Architect</div> <div></div> <div>K Bhupendra Kumar</div> <div>Location: Nellore,Andhra Pradesh</div> <div>Background: B.arch(2022),Gitam school of Architecture Gitam National Skill development authority 2022–2023(P.G–Diploma–Part time).</div> <div>Area Of Interest: Construction,Designing and Planning Documentation,Business Analysis,Greer Building valuvation's, Survey,Cost estimation</div> <div>Experience: 1.Research intern–2025–IIT Varanasi(05, 2025–07/2025) 2.Project Architect, Srl Vigneshwarc Construction's Nellore (2022–ongoing) 3.APSECM– Tutour for Green Rating Products–(07/2022) 4.InternArchitect–P&V architect's–Hitec city–Hyderabad–08/2021 – 11/2021</div> <div>Skills: Writing,Documenetation,PreDCRAutocad, Sketchup, Revit,3dsmax,Primevera, Envimet Opaque,Dialux,Climate Consultant M.S.Office.</div>	<div>COA Architect</div> <div></div> <div>Krati Srivastava</div> <div>Location: Greater Noida, Uttar Pradesh, India</div> <div>Background: B.Arch (2020) School of Architecture & Landscape Design Shri Mata Vaishno Devi University, J&K, India.</div> <div>Area Of Interest: Sustainable Building Design & Delivery, Integrated Sustainability Strategies, High-Performance Building Envelopes, Building Performance Simulation, BIM-Driven Sustainable Design, Net-Zero Energy & Decarbonization Initiatives.</div> <div>Experience: 1. Sustainability Intern: Creative Design Consultants & Engineers Pvt. Ltd., Delhi (05/2025–07/2025) 2. BIM Trainee: NOVATR, Delhi (12/2023–9/2024) 3. Architect: Morphogenesis Architects, Delhi (4/2023–9/2023) 4. Architectural Assistant & Designer: VIBA (Value Infra Buyers Association), Noida, UP(1/2022–3/2023) 5. Freelance Architect, Noida(3/2021–11/2021) 6. Architectural Intern: Junya Ishigami & Associates, Tokyo, Japan (7/2018–11/2018)</div> <div>Skills: AutoCAD, Revit, Navisworks, BIM 360, GBS, Primavera, Photoshop, InDesign, Rhinoceros 3D, Grasshopper 3D, Rhino Ladybug, Design Builder, ENVI-met, QGIS, MS Office.</div>	<div>COA Architect</div> <div></div> <div>Maalavika S L</div> <div>Location: Trivandrum, Kerala</div> <div>Background: B. Arch (2023),Cochin University of Science & Technology (CUSAT), Marian College Of Architecture & Planning , Trivandrum</div> <div>Area Of Interest: Sustainable Building Design Performance, Climate responsive Architecture, Green Building Certification & Policy, Net-Zero Design, Nature-Based Solutions for Cities, UHI Mitigation.</div> <div>Experience: 1. Intern: CII– IGBC (Indian Green Buikding Council), Hyderabad [05/2025–07/2025] 2. Junior Architect: Bond Interiors International, Trivandrum {09/2025–06/2025} 3. Intern– 23 Degrees Design Shift, Hyderabad [11/2022–03/2023]</div> <div>Skills: Envimet, Design Builder, Rhino, Ladybug, Honeybee, FormIt ProEcotect, Opaque, MS Ofiice, Climate Consultant, AutoCad, SketchUp, Lumion, Vray, ArchGIS, , Photoshop, Adobe InDesign.</div>	<div>COA Architect IGBC AP</div> <div></div> <div>Ponmani G</div> <div>Location: Tiruvannamalai, Tamil Nadu</div> <div>Background: B.Arch (2022), School of Architecture and Planning (SAP Campus),Anna University, Chennai.</div> <div>Area Of Interest: Climate responsive building design, Thermal performance of Building ,Outdoor thermal comfort studies, Green building certifications & energy audits, NZEB,LCA</div> <div>Experience: 1.Intern – Terra Viridis, Hyderabad (05/2025 – 07/2025) 2.Junior Architect – Metaskapes, Chennai (01/2023 – 03/2024) 3.Junior Architect – Innate Studio, Chennai (09/2022 – 12/2022) 4.Intern – Urban Dots, Chennai (12/2020 – 05/2021)</div> <div>Skills: AutoCAD, Revit, Sketchup, Rhino – Ladybug Tools, Ecotect, Design Builder, Formit Pro, Dialux, Rayman Pro, ENVI-MET, Arc-GIS, Adobe Suite(Ps, Id, Ai, Pr), MS Office Suite (Excel, Word, PPT)</div>
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Students Profile

COA Architect



Priyadarshini R

Location: Chennai, Tamil nadu

Background:
B.arch 2017, Rajalakshmi school of architecture, chennai

Area Of Interest:
Whole building simulation,Thermal, energy , daylighting, sustainable building design, Green certification, working drawings.

Experience:
1.Intern -Chennai Metropolitan development Authority 6/2025 -7/2025
2.SDT Architecture service USA standard drawings, (head office California),Remote work - 4/2022 - 12/2023.
3. Acube infrastructure - 12/2017- 11/2019
4.Intern - Fba consultant, L&t - consultant - 6/2015 - 4/2016

Skills:
Envimet, energy plus, ecotect, design builder, Revit Architecture, green building studio, Autodesk Insight ,Auto cad, rhino [basics] , Opaque , Adobe photoshop, M.s. office, Adobe Photoshop.

COA Architect



Rishika Vuppalapati

Location: Rajahmundry, Andhra Pradesh

Background:
B.Arch (2023),GITAM School of architecture,GITAM university, Visakhapatnam

Area Of Interest:
Sustainable and Climate-Responsive Design, Green Building Certification and Consulting, Renewable Energy Integration in Buildings, Urban and Community Sustainability, Building Performance Analysis.

Experience:
1.Internship-Design concepts,kakinada (1 Year)(06/23-06/24)
2.Freelance Architectural Designer I Aug 2024 - Present

Skills:
DesignBuilder, Autocad, Autodesk Ecotect Analysis, Ladybug Tools for Rhino, DIALux, ENVI-met, Opaque, Climate Consultant, CBE Clima Tool, SketchUp, Autodesk FormIt, D5 render, Adobe Photoshop.

COA Architect



Simon Elias

Location: Chennai, Tamil Nadu

Background:
B.Arch (2023), MEASI Academy of Architecture

Area Of Interest:
Urban Heat Island Mitigation, AI/ML for thermal comfort prediction, Net Zero buildings, Energy Efficiency

Experience:
1.tern - Chennai Metropolitan Development Authority (CMDA) (06/2025 - 07/2025)
2.Project Associate - IIT Madras (BTCM & School of Sustainability) (08/2023 - 03/2024)
3. Intern - Space Perception Architects, Bangalore (07/2022 - 11/2022)

Skills:
Design Builder, Envimet, Ecotect, Rhino, AutoCAD, Python, AutoCAD, Sketchup, Adobe Suite, MS Office

COA Architect



S P Sharanya

Location:
Warangal , Telangana

Background:
B.Arch (2024) , BMS school of Architecture

Area Of Interest:
Energy-efficient building design, post-occupancy evaluation, development of innovative green and sustainable materials, climate-responsive architecture, green building certification, UHIE mitigation, passive design techniques.

Experience:
1.Research Associate Intern - Terra Viridis, Hyderabad (05/2025 - 07/2025)
2.Junior Architect - RP Associates, Warangal (04/2024 - 08/2024)
3.Architctural Intern - Living Space, Hyderabad (01/2024 - 03/2024)

Skills:
Envimet, Energy plus,eQuest , Ecotect, Design builder,Dialux, Revit Architecture, Auto cad, rhino [basics] , Opaque ,Climate consulatant,Adobe photoshop, M.s. office.

COA Architect



Sweta Mohanty

Location:
Bhubaneswar,Odisha

Background:
B.arch(2024), Manipal University,Jaipur

Area Of Interest:
Climate-Responsive Design, Green Building Certification and Consulting, Renewable Energy Integration in Buildings

Experience:
1.Internship-Green Consultants,Chennai,TN (05/2025-07/2025)
2. Junior Architect-Cheralathan Associates,Chennai ,TN(08/2023-05/2024)
3.Intern Architect-Infrabees Project Management Consultants Pvt Ltd,Chennai,TN(08/2022-11/2022)

Skills:
Rhino (Ladybug tool),Design Builder, Envimet,Climate consultant,Autocad,IES VE,equest,Adobe (Ps,Id,Il),Microsoft Office,Ecotect,Climate studio

COA Architect



Vijaya Shanthini S

Location:
Thanjavur,Tamilnadu

Background:
B.Arch (2023) Mohamed Sathak Engineering college,Kilakarai,Ramathapuram,Tamilnadu

Area Of Interest:
Climate responsive design,Green building certifications,Energy efficiency,Sustainable materials and Construction practices,Net-zero design

Experience:
1.Internship-Green Consultants,Chennai,TN (05/2025-07/2025)
2. Junior Architect-Cheralathan Associates,Chennai ,TN(08/2023-05/2024)
3.Intern Architect-Infrabees Project Management Consultants Pvt Ltd,Chennai,TN(08/2022-11/2022)

Skills:
Rhino (Ladybug tool),Design Builder, Envimet,Climate consultant,Autocad,IES VE,equest,Adobe (Ps,Id,Il),Microsoft Office,Ecotect,Climate studio

Students Profile



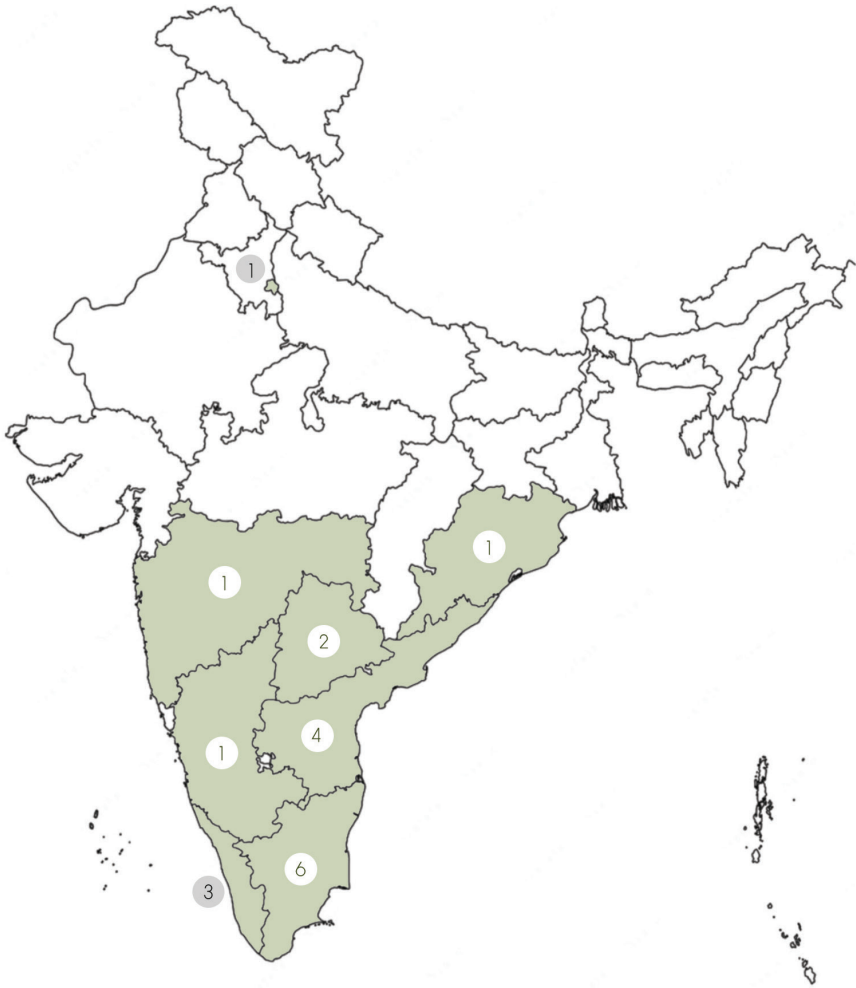
Location: Udupi, Karnataka

Background: B.Arch (2020) Manipal School of Architecture and Planning, Manipal Academy Of Higher Education, Manipal, Karnataka

Area Of Interest: Sustainability, Energy Efficiency, NZEB, Green Building Certification, Climate Responsive Design, Eco Friendly Material and Construction Techniques

Experience: 1. Internship- Habitat Technology Group, Tiruvananthapuram, Kerala (06/2019 – 11/2019)
2. Internship- Sacred Groves, Auroville, Tamilnadu(12/2019 – 03/2020)
3. Internship- McD BERL, Bengaluru, Karnataka (05/2025 – 07-2025)
4. Junior Architect- INTACH, Anegundi, Hampi, Karnataka (09/2020 – 01/2021)
5. Architect- Sathya Consultants, Bengaluru, Karnataka (08/2021 – 07/2024)

Skills:Rhino (Ladybug tool),Design Builder, Envimet,Climate consultant, Autocad, Revit,Adobe (Ps), Microsoft Office, Ecotect, Ansys, DIALux, Sketchup



Demographic Profile



Curriculum at a Glance

The curriculum translates the program’s vision into an immersive learning journey that blends design creativity with scientific rigour. Combining studios, research, and field engagement, it develops analytical, technical, and collaborative skills to address sustainability at scales ranging from individual buildings to complex urban systems. This integrated approach builds a foundation that is both academically strong and industry relevant.



SIMPLE AND ADVANCED PASSIVE DESIGN

Understanding the working of passive design strategies and their incorporation in architectural design. Built on analysis of functioning case studies from multiple cities of India.



BUILDING PHYSICS

An introduction to Earth-Sun relationship, Climate and its elements, interpretation of climate data through charts. Heat transfer processes in buildings and thermo physical properties of envelope materials.



SOLAR PASSIVE DESIGN

Design strategies aligned with local climate using passive heating, cooling, shading, thermal mass, and roof forms to enhance building comfort and energy efficiency. Enables application of climate-responsive design for reducing energy use.



MATERIALS AND CONSTRUCTION TECHNIQUES

Understanding on environmental impact, properties, and life cycle of various building materials, from traditional to innovative options. Emphasizes use of local resources and methods that promote eco-friendly and efficient construction.



ENVIRONMENTAL CODES, ENERGY RATINGS & ECO LABELING

An outline of International climate change conventions and summits. Details of ECBC guidelines IGBC, GRIHA, LEED and Green pro rating systems along with workshops.



URBAN CLIMATE & THERMAL COMFORT

Analysis of how urban form affects climate, with tools and simulations to evaluate outdoor comfort, heat stress, and microclimate conditions. Equips to assess and enhance outdoor comfort in urban spaces.



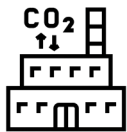
ENERGY EFFICIENT LANDSCAPE

Explores how topography and vegetation influence climate elements, supported by landscape simulations and analysis of plant characteristics to guide energy-efficient landscape strategies.



DAYLIGHTING, HVAC, HEALTHY BUILDINGS & ECO LABELING

Daylight analysis of spaces using simulation tools, integration of daylight and artificial lighting design, and selection of HVAC systems and materials to enhance IEQ and IAQ, supported by energy ratings and eco-labelling practices.



DECARBONIZING BUILDINGS

Application of low-carbon materials, renewable energy integration, and operational measures to reduce the environmental footprint of buildings. Develops strategies to lower carbon emissions in building projects.



POST OCCUPANCY EVALUATION & ENERGY AUDIT

Evaluation of building use after completion, measuring energy consumption and identifying opportunities for improved efficiency and performance. Trains to assess building performance and recommend improvements.



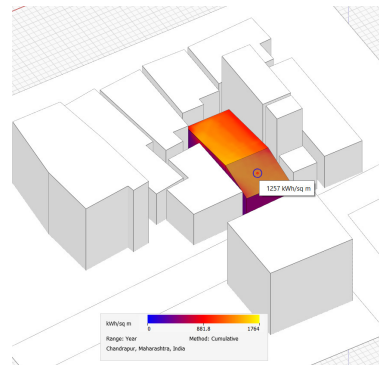
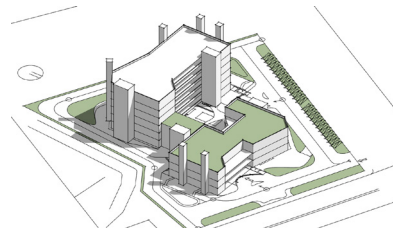
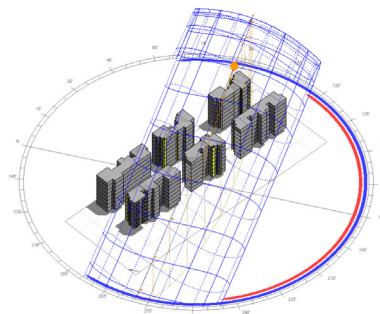
RESEARCH METHEDOLOGY

Structured research processes covering topic selection, literature review, data collection, qualitative and quantitative analysis, and report preparation. Builds capability to conduct systematic and credible research studies.



DISSERTATION AND THESIS

Students undertake dissertations and theses on self-selected topics aligned with their areas of interest.



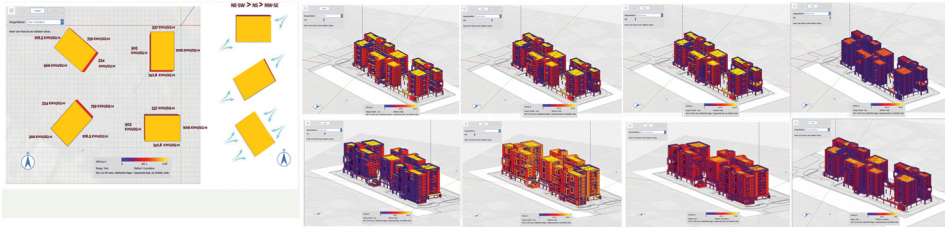
Semester ‘ 1

Student’s Work

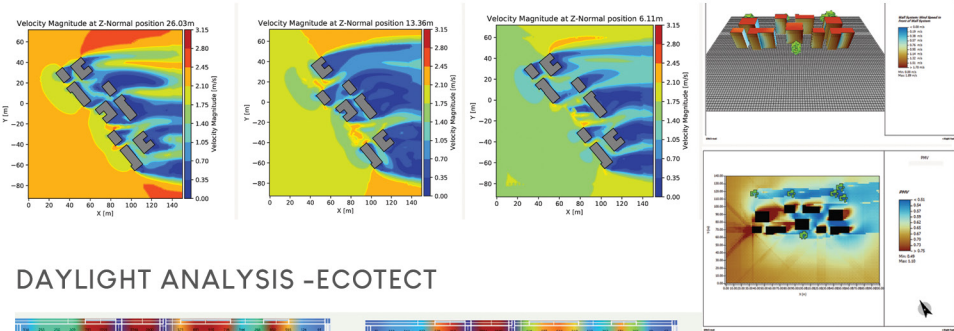
Staff housing at SPA Vijayawada is envisioned as a sustainable living environment that caters to the needs of the faculty and staff while aligning with the principles of environmental stewardship. The housing design aims to integrate functional efficiency, comfort, and aesthetics with minimal environmental impact, reflecting the ethos of the School of Planning and Architecture's commitment to sustainable development.

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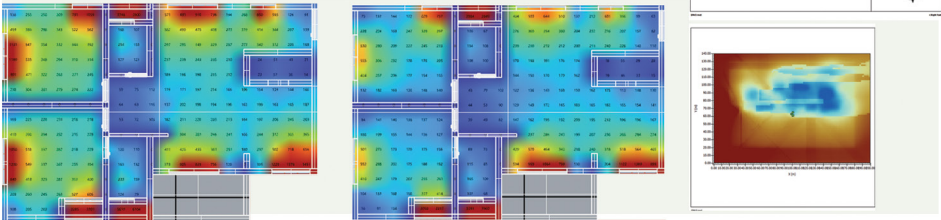
SOLAR RADIATION ANALYSIS



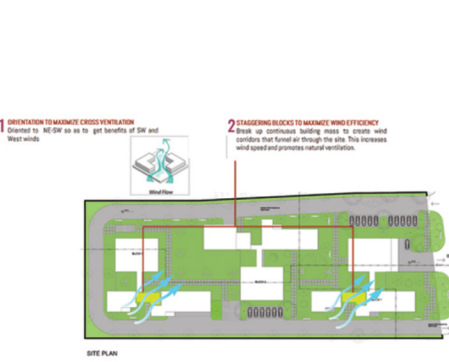
CFD ANALYSIS



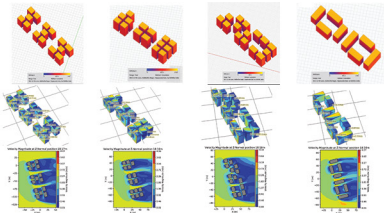
DAYLIGHT ANALYSIS -ECOTECT



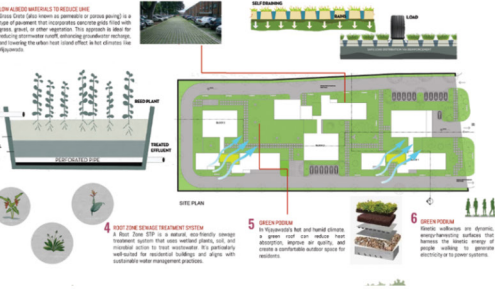
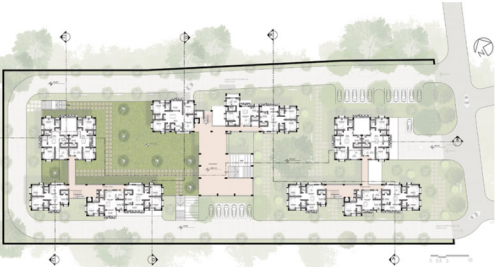
To demonstrate form evolution using simulations for the staff housing at SPA Vijayawada, the steps outline the process, considering climatic responsiveness and sustainability. These simulations can help optimize the building's form and spatial layout for energy efficiency, thermal comfort, and passive performance



BUILDING FORM ITERATIONS



FLOOR PLANS

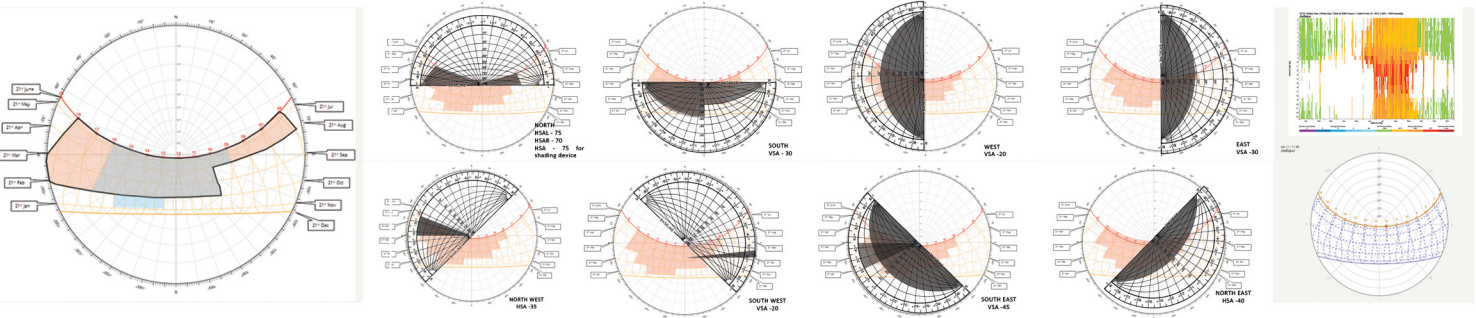


"Envisioning a housing that celebrates the sense of community through a network of diverse and interactive open public spaces, unique in its character".

DESIGN EVOLUTION



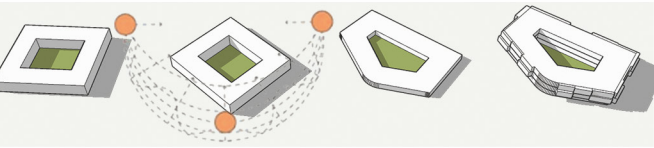
SHADING DEVICE DESIGN



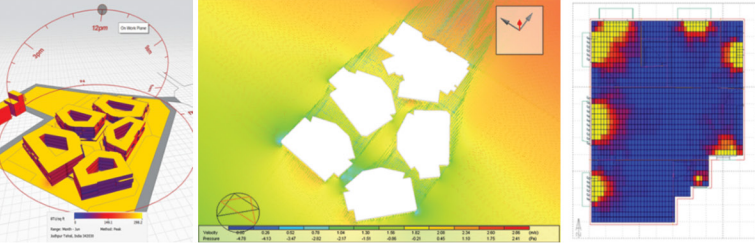
MATERIALS AND TECHNIQUES



DESIGN DEVELOPMENT



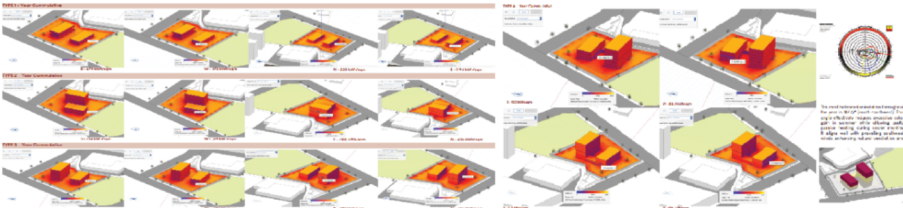
SIMULATIONS



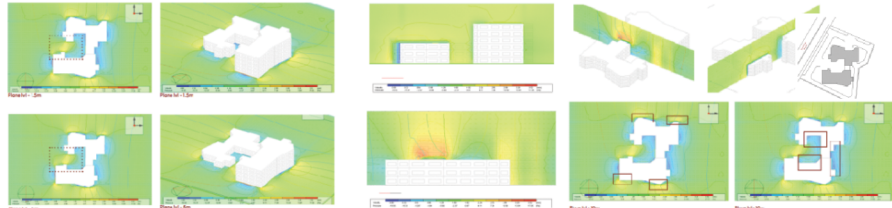
Semester ‘ 2

The second semester emphasizes the development of sustainable workspace environments through the integration of advanced passive design strategies that respond to both micro and macro climate conditions. Students are trained to analyze climatic parameters, understand thermal comfort indices, and apply climate-responsive design solutions that minimize energy consumption while maximizing indoor environmental quality. The coursework includes the study and application of daylighting, natural ventilation, shading systems, thermal mass optimization, and material selection for energy efficiency.

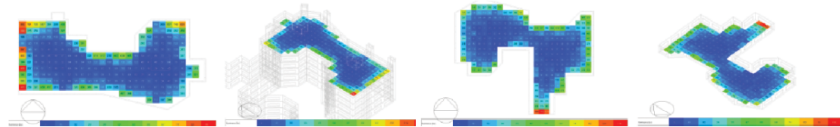
SOLAR RADIATION ANALYSIS



CFD ANALYSIS



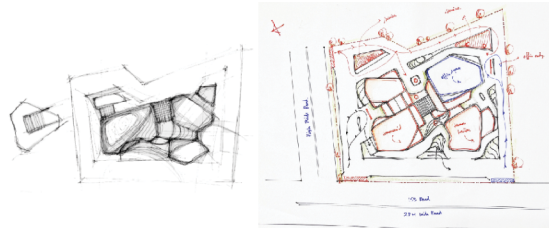
DAYLIGHT ANALYSIS



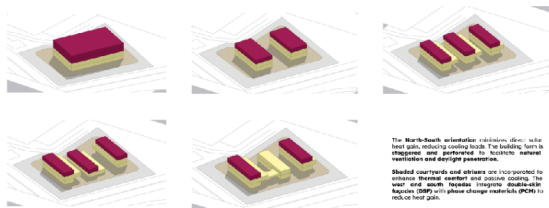
Semester work is supported by software such as Climate Consultant, FormIt Analysis, Ecotect, Rhino (Ladybug tool), DesignBuilder, CFD, ENVI-met, and Opaque. These tools enable analysis of climate data, form and massing, daylight, ventilation, microclimate, and material performance, helping translate passive strategies into climate-responsive architecture.

Student’s Work

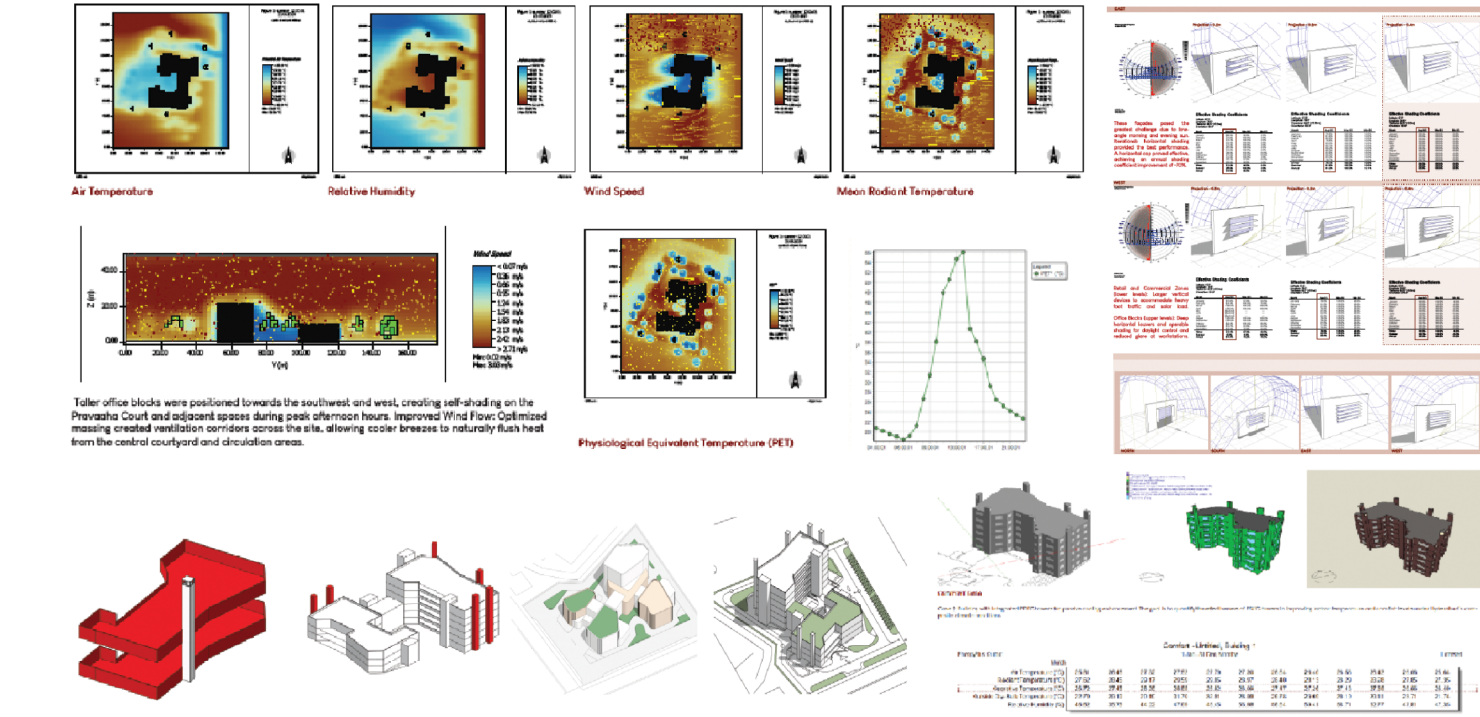
CONCEPTUAL SITE ZONING



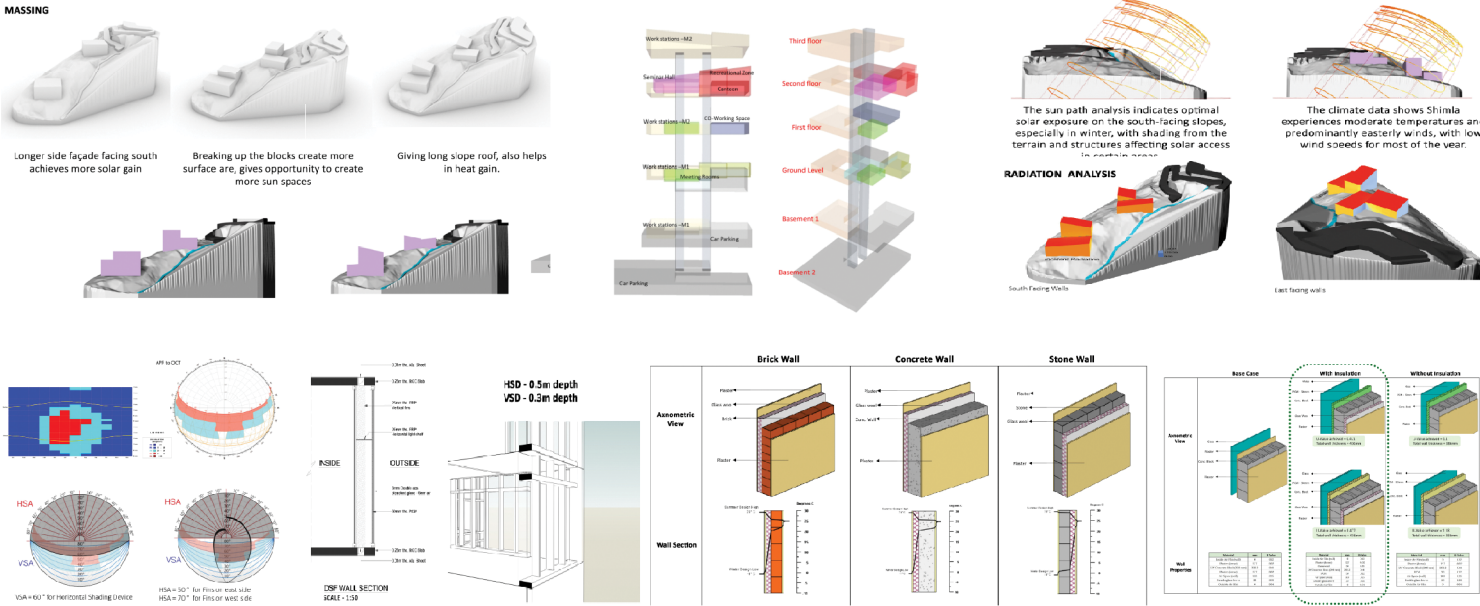
BUILDING FORM ITERATIONS



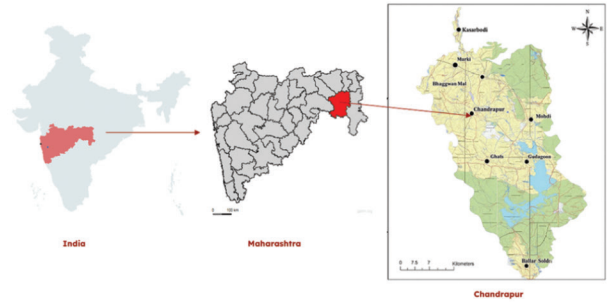
FLOOR PLANS



DESIGN EVOLUTION & PLANNING INCOPERATING ADVANCE PASSIVE STRATEGIES



Semester ‘ 3



REAL -TIME RETROFIT PROJECT

As part of our 3rd semester studio, we worked on a real-time government-led retrofitting project in one of India’s most heat-vulnerable cities, Chandrapur. Our team evaluated thermal comfort, energy performance, and cost-effectiveness of multiple passive cooling strategies across low-income housing typologies. Each strategy was rigorously analysed through climate data, field observations, and simulation tools, ensuring practical feasibility. Importantly, the proposed retrofits were validated and accepted by the residents, and several measures are currently being implemented on-ground, demonstrating the project’s real-world impact and community relevance.

LOCATION OF SELECTED HOUSES



RCC AND TIN ROOF HOUSE

House 4- RCC & TIN ROOF HOUSE

House Details

HOUSE 4 is a Pucca house with an area of 48 sq.m area.

LOCATION

- 19.9535° N, 79.29334° E

CONTEXT

- Pucca Houses double storied

House Details - Context and Materials

Plan



MATERIAL DATA

ROOF	RCC Roof 10 cm thick , Tin Roof
WALL	Burnt Clay brick with cement plaster
WINDOWS	No glazing : Wooden shutters

Name	Sill,h	L	H
MD	100	200	200
D1	88	87	200
D2	87	87	200
D3	76	200	
W1	115	120	85
W2	70	100	80
W3	110	75	90
W4	120	75	70
V	30	30	30

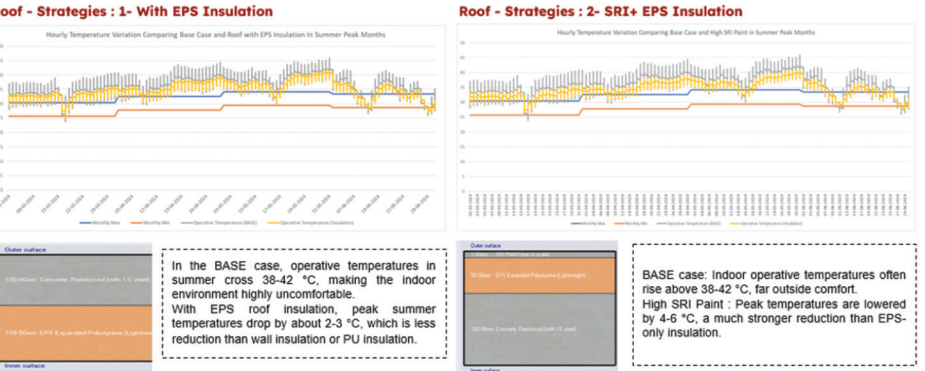
RCC ROOF HOUSE

House 7 - RCC ROOF HOUSE

House Details - Context

19°57'14.3"N 79°17'37.8"E

Materials: Brick Wall & RCC Roof



Renewable Energy efficient retrofit option- DC Solar Home System

Equipment	Zone 1	Zone 2	Power per Unit (W)	Total Power (W)
Lights	1	2 (LED)	10 W each	(1×10) + (2×10) = 30 W
Table Fan	1	1	60 W each	(1×60) + (1×60) = 120 W
Ceiling Fan	1	—	70 W	70 W
Cooler	—	1	200 W	200 W
TV	—	1	80 W	80 W
Mixer Grinder	1	—	500 W	500 W

The proposed strategy for the LiG house in Chandrapur is a DC Solar Home System sized to meet the demand of 6.87 kWh/day (2,508 kWh/year).

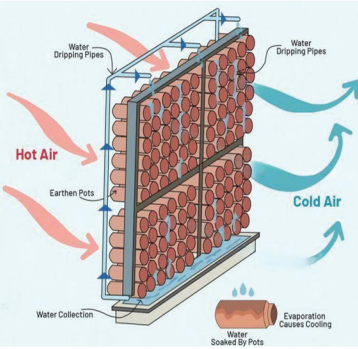
The DC Solar Home System (20-100 Wp) is a modular, low-cost renewable energy solution suitable for LiG households in Chandrapur. It is designed to power basic needs like lighting, fans, and mobile charging without dependence on the grid. The system includes wall/roof-mounted PV panels with a small battery backup, ensuring reliable operation during power cuts.

Cost:

- 20 Wp system: ₹3,000 – ₹5,000 (basic lighting + phone charging)
- 60 Wp system: ₹8,000 – ₹12,000 (lights + 1 fan + mobile charging)
- 100 Wp system: ₹15,000 – ₹20,000 (lights + 2

Student’s Work

RETROFIT STRATEGIES



Workshops & Guest Lectures



Training on Energy Efficient Retrofit of Existing Buildings, Bureau of Energy Efficiency (BEE), 13 September 2024

International Collaborative Workshop on Regenerative Design beyond Sustainability by Ms. Sangita Kapoor, 30 September – 1 October, 2024

EnviMET Workshop by Dr.Shreya Banerjee (IIT Jodhpur), 28 – 30 November 2024

Workshop for National Energy Conservation Day by Dr. D.E.V.S Kiran Kumar, 14 December 2024

Lecture on Data, Technology, Buildings, Cities and the IoT by Dr. Drury B Crawley, 19 February 2025

Workshop on Parametric Environmental Analysis with Rhino by Dr. Pratheek Sudhakaran, 13 – 14 March 2025



Industrial Visits



Through a series of workshops and industrial visits, our program has offered vital exposure to sustainable architecture, bridging the gap between academic theory and professional practice. These experiences have enhanced our technical and analytical skills while providing insights into real-world challenges, construction methods, and sustainability innovations. Engaging directly with industry practices and advanced tools has equipped us with the problem-solving abilities and adaptability needed for the evolving architectural landscape. We are now prepared to meet and contribute to industry standards and expectations.

Why Hire us?

OUR DISTINCTIVE EDGE

Holistic Skill Set: Our curriculum emphasizes interdisciplinary projects, fostering a holistic skill set that combines technical expertise with critical thinking and collaborative problem-solving.

Applied Learning: Students engage in hands-on, studio-based projects that simulate real-world challenges, from conceptual design to project management and execution.

Industry Integration: We bridge the gap between academia and industry through regular industry-expert guest lectures, workshops, and joint research projects, ensuring our students are abreast of the latest trends and demands.

Sustainability & Innovation: Our graduates are not just trained for the present but are equipped to innovate for a sustainable future, with specialized knowledge in green building principles, circular economy, and climate-resilient design.



ROLES WE FIT INTO

Sustainability Analysts

Green Building Consultants

Water Auditing

Net Zero Building Design

Building Performance Analyst

Academic Profiles & Teaching

Architecture

Interior Design

Facade Designers

Energy Simulation Experts

ESG - Environment Social Governance Sustainability

Energy Auditing

Carbon Neutral Design

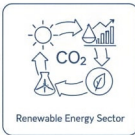
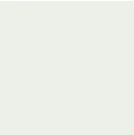
Renewable Energy Sector

Life Cycle Assessment

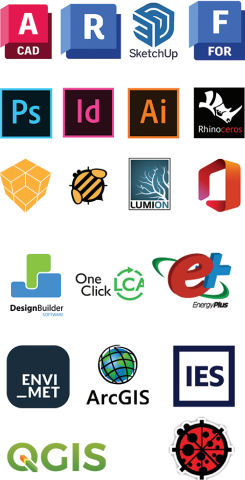
Research Associates

BIM Specialists

Lighting Design



Software Skills



3D Modeling & Visualization

AutoCAD
SketchUp
Rhinoceros 3D (Rhino)
Lumion

Graphic Design & Document Layout

Adobe Photoshop
Adobe InDesign
Adobe Illustrator
Microsoft Office

Building Performance Simulation & Analysis

DesignBuilder
EnergyPlus
eQUEST
IES VE
One Click LCA

Environmental & Microclimate Simulation

ENVI-met

Geographic Information Systems (GIS)

ArcGIS
QGIS

Industrial Recruiters

Our students have a high rate of national placement, with many securing positions as architects and planners in the government sector. A considerable number also work as corporate consultants across India. Master's in Sustainable Architecture graduates are either employed by leading industry firms or choose to pursue further studies and research.



Higher Education Recruiters





Placement Cell

Faculty Coordinator

Dr. Lilly Rose A
Associate Professor
Email : lillyrose@spav.ac.in
Ph : +91 94444 50468

Student Coordinators

Aagney Alex Robin
Email : 1240500186@spav.edu.in
Ph : +91 9074246267

Vrinda Kamath
Email : 1240500206@spav.edu.in
Ph : +91 9663494347

Hareesh P
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K. Bhupendra Kumar Ayyappa
Email : 1240500194@spav.edu.in
Ph : +91 8074020146



Reach us at :

msa_placement@spav.edu.in

[in](#) Masters of sustainable architecture