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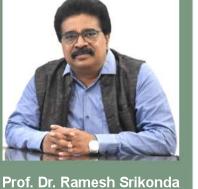
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It is my pleasure to invite you all to the placement activities of this institution of national importance. S.P.A. Vijayawada is committed to train responsible, ethical and professionally skilled Architects and Planners. As an institute, S.P.A. Vijayawada 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.



Prof. Dr. Ramesn Srikonda Director 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!

SPA Vijayawada

School of Planning and Architecture, Vijayawada established on July 07, 2008 by the Ministry of Human Resource Development (MHRD) now Ministry of Education, Government of India, as an autonomous institution. SPAV is a premier Centrally Funded Technical Institution (CFTI) directly under the MHRD, for excellence in the fields of planning and architecture. In the year 2014, it was recognized as an "Institution of National Importance" under an Act of Parliament (Ministry of HRD, Government of India).

Experienced faculty and guest lectures by Eminent visiting faculty and industry experts from all over the country, the quality of education imparted and its focus on research puts SPAV in the league of leading Institutes in the country.

At SPAV, the academic focus and approach is a unique blend of design, creativity and objectivity with a social purpose. Students not only learn the skills required, but during the course of studies are exposed to thought-provoking and intellectually inspiring sessions, through studios, field trips and research projects, which brings out the creative best in them.









Department of Architecture

The department of architecture at SPAV tries to reinforce intellectual capabilities and develop proficiency in professional skills to enable students to competently pursue alternative careers within the broad spectrum of architecture under following specializations:

- 1. Bachelor of architecture
- 2. Master of architecture (Sustainable Architecture)
- 3. Master of Architecture (Landscape architecture)
- 4. Master of Architecture (Architectural Conservation)
- 5. Master of Building Engineering and Management
- 6. Master of Urban Design (M.U.D)

There is increasing recognition today of architecture as an intellectual discipline, both as art and as a profession. Architects make a vital contribution in the shaping of our environment and society, in the design and technology for a diverse range of situations, both in the rural and urban contexts.

The department of architecture is involved in stimulating sensitivity and unveiling creative talents in the young minds. The department hones architectural professionals for future with appropriate skills, understanding and knowledge and a deep commitment to professed ideals.





Faculty | Architecture

Faculty | Architecture



Ph.D, PGDEE, MTP, B.Arch



Ph.D, M.Arch,



Prof. (Dr.) Kailasa Rao M Ph.D, M. Arch, B.Arch



Mr. S.V. Krishna Kumar M.Plan (Housing), B.Arch



Dr. Faiz Ahmed C Ph.D, M.Plan, MURP, B.Arch



Dr. Prashanti Rao Ph.D, M.Plan (Masters in Urban Development and Planning), B.Arch



M.Arch(Sustainable Architecture), B.Arch



M. Des. (Industrial Design), B.Arch





Ph.D, M.C.P, B.Arch

Dr. Shanmuga Priya G Ph.D. PGDLA, B.Arch



Dr. Lilly Rose A Ph.D. M.Arch. B.Arch



Dr. M. Banu Chitra Ph.D, M.Arch(Landscape),



Mr. Sanjay Bhandari M.Arch (Architectural Conservation), B.Arch



Anil Kumar Chilakapati M.Arch, B.Arch







Ph. D, PGDESD, M. E, B.Arch



Dr. Karteek Guturu Ph.D, M.Arch (Urban Design), B.Arch



Dr. R N S Murthy M.Plan(Environmental Planning), B.Arch



Mr. Vijesh Kumar V M.Tech., B.Arch.



Mr. Kapil Natawadkar M.Arch.(Landscape Architecture), B.Arch.



Mr. Madhava Rao T M.U.R.P., B.Arch.



Ms. Somaina Islary B.Arch - NIT Hamirpur, M.Arch. - Landscape Architecture (SPA Delhi)



Management), B.Arch

Dr. Srinivas Daketi Ph.D, M.Plan (Housing), B.Arch

Dr. Jagath Kumari D Ph. D, ME (Structural Engg. & Natural Disaster Management), BE (Civil), MIE.



Mr. Santosh Kumar P. M.Fine Arts (Sculpture) CAVA University of Mysore, B.Fine Arts (Sculpture) Andhra University

Master of Architecture

Sustainable Architecture

Master of architecture (Sustainable Architecture) is a 2 year full time Master's degree program in Sustainable Architecture aimed to develop skills, knowledge and understanding related to environmental sustainability, construction and building technology. Adopting the principles and practices of sustainable building design while responding to environmental challenges such as climate change and environmental degradation etc.

The Master of Architecture course in Sustainable Architecture establishes cohesive relation amongst architecture, technology and sustainability, enabling graduates to respond effectively to the growing environmental challenges faced by the building industry and planet Earth.

This program offers an opportunity to expand students' knowledge base for developing solutions for sustainability of Built environment scientifically keeping in mind the socio economical and environmental problems. Grounded in rigorous scientific research and analysis with a multidisciplinary approach of understanding issues related to energy efficiency, traditional wisdom of built environment. This course also delves into the water, land, vegetation and waste management which are essential subjects for environmental sustainability.

















Workshops & Guest Lectures



Climate-Resilient Energy Secure and Healthy Built Environment (CREST)

at IIT Roorkee

Indo-Swiss BEEP Camp

CRDF -CEPT university,

Ahmedabad



Ar. Asis Nath
Principal Architect, Studio
GreenAarch



GEM 4th International Sustainability Conclave and Expo

ASSOCHAM GEM Green Building
Council



Envelope Optimisation on ECBC & ENS

ECBC & ENS Cell
Andhra Pradesh State Energy
Conservation Mission (APSECM)



Innovative construction Technologies & Thermal comfort for Affordable Housing

RACHNA -Resilient, Affordable &
Comfortable Housing through National
Action, BMTPC

Competitions



Participation in Multi-Family Housing & Educational Building categories

Solar Decathlon India is a challenge for postgraduate and undergraduate student teams from Indian institutions to join forces and combat Climate Change. Student teams design net-zero-energy-water buildings, contributing to real projects, while partnering with the leaders in real estate development.

Participating in the competition Solar Decathlon India, helped us explore the various industries and ongoing projects, improving our communication and management skills with other expertise and leading to a collaborative learning from Industry partners.

Software Tools

































Students are well versed with relavant and industry approved softwares related to Energy modelling, whole building simulations, daylight & ventialtion design, material analysis and life cycle assessment

Course

Structure

The masters program of Sustainable Architecture at School of Planning and Architecture, Vijayawada expands the students knowledge base to develop solutions for sustainability of the built environment scientifically, while keeping in mind the socio-economic and environmental problems. The course is grounded in rigorous scientific research and analysis while being multifaceted, exposing students to different areas of sustainability.



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.



People Environment and Buildings

A course to sensitize approach towards people, built environment and their relationships.



Smart Materials and Eco-Sensitive Accessories

Alternative construction techniques like filler slab, rat trap bond, etc and Eco friendly material choice as a passive design strategy. Embodied energy and Life cycle assessment of Natural, Bio and Salvaged materials.



Simple and Advance 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.



Daylighting HVAC, Healthy Buildings and Waste Management

Set of technical courses and electives focusing on system sizing and design. Utilization of daylight and lighting design, selection of HVAC system and materials for improved indoor environmental quality. Best practices to manage different kinds of waste at unit and site levels to reduce environmental impact. Environmental codes, Energy ratings and Eco labeling.

Energy Efficient Landscape

Impact of natural landscape features like topography and vegetation on climate elements. Urban micro climate and formation of urban heat islands.



Environmental codes, Energy ratings and 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.



Post-occupancy Evaluation

Post occupancy evaluation tools and techniques to aid in performance based design approaches.



Project Management

Required project management skills to handle real-time projects. Working with time, finance and other managerial issues.



Research Methodology

An introduction to research types and techniques used to produce technical papers and conduct desertation to aid post graduate thesis.



The knowledge of each course is applied in the all -inclusive design studios where the students utilise manual methods and simulation tools to analyze and validate their designs. This theoretical knowledge and technical skill set developed during the course, prepare the students as future professionals.



Profile

Profile

Aishwarriya.S



Accreditations CoA; IGBC-AP

Background B.Arch SPA, Vijayawada, 2020

Areas of interest

Climate-responsive architecture Net-zero buildings Passive design Embodied carbon & Energy

Autocad; Revit; Envi-met; Teamwork; Time management; Analytical thinking

Experience

Jnr Architect at The MUD, Trichy - 4 months

Intern at kenAR AEC Architects and Engineers Private Limited, Bangalore -6 months

Bavya R



Location

Accreditations
CoA

Background B.Arch VIT, Vellore, 2020

Areas of interest

Low energy buildings HRFS Embodied carbon BIM

Skills

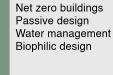
Revit: Envi-met: DesignBuilder; Research & analytical; Leadership; Team plaver

Experience

Jnr Architect at CDC Design Studio, Vellore - 6 months

Intern at Ravikumar and Associates, Chennai -6 months

Areas of interest K. Madhumitha



Location Chennai, TN

Accreditations

CoA; IGBC-AP

Background

B.Arch SAP-Anna University Chennai, 2020

Revit: Envi-met: Climate studio; DesignBuilder; Time management; Team player

Experience

Skills

Jnr Architect at The Madras Design Works - 6 months

Intern at InForm Architects, Bangalore - 5 months

Karthik P



Location Chennai, TN

Accreditations
CoA: IGBC-AP One Click LCA certification

Background B.Arch, Chennai, 2020 Science and Technology

Areas of interest

Sustainable Building Design Daylight and Lighting Design Energy Audit **Environmental Impact** Assessment (EIA)

DesignBuilder; Ladybug Tools; Dialux; ClimateStudio; Adaptability; Reseach and Analytics; Detail-oriented

Experience

Intern at Larsen and Tourbo, Chennai - 5 months

Sakshi Birkad



Accreditations
CoA; IGBC-AP; CREST (IITR)
One Click LCA certification

Background B.Arch VNIT, Nagpur, 2021

Areas of interest

Climate-responsive architecture Daylight and lighting design BIM

Skills

tools; DesignBuilder; Team player; Time management; Communication skills

Experience

Intern at Shitesh Agrawal Architects Pvt. Ltd (SAAP), Pune - 6 months

CFD

Revit; Grasshopper; Ladybug



Accreditations CoA

Background M.A.M. School of Architecture, Trichy, 2017

Neo-Vernacular architecture Climate responsive design Net zero buildings Water management

Areas of interest

Skills

Climate consultant.: Dialux: Velux; Envi-met; Critical thinking; Time management; Adaptability; Problem-solving

Experience

Jnr Architect at dMac Groups, Kumbakonam - 2 years Intern at Architecture incorporated. Chennai-6 months Intern at Vekaay designs, Kumbakonam - 6 months

Chandu Sai Tarun



Accreditations CoA; IGBC-AP, One Click LCA certification

Background B.Arch NIT, Trichy, 2018

Areas of interest

Climate-responsive architecture Green Building Analyst, Research & development, Thermal comfort

Skills

Grasshopper; Ladybugtools; DesignBuilder; Leadership; Research & analytical; Strategist

Experience

Jnr Architect at Yagnik Architects, Bangalore -22 months

Intern at FHD group Bangalore - 6 months

Irene Cyril



Accreditations

Background B.Arch Asian School of Architecture and Design Innovation, Cochin, 2019

Areas of interest

Climate responsive architecture Biophilic Architecture Underground Architecture Integrated Architectural design

Skills

Revit; Blender; Sketchup; Dialux; Envi-met; Team player Time management; Creative visualiser

Experience

School of Planning and Architecture, Vijayawada

Artist at Moyalan Stained glass and ceramics - 6 months Junior Architect at ENARC Consultant, Thrissur -4 months Intern at Kumar Group Total Designers, Cochin - 8 months

Kirruthigha J



Accreditations CoA; IGBC-AP

Background B.Arch Anand School of Architecture, Chennai, 2020

Areas of interest



Skills

ENVI-met; Velux; DesignBuilder; Vayu Pravah; Networking; Team-work; Flexibility; Critical thinking

Experience

Intern at Ravikumar and Associates. Chennai - 6 mos Intern at Technicaliva Consultants Private Limited. (TECPL) Chennai - 6 months

Lilith kumar S



Location Bangalore, KA

Accreditations CoA; IGBC-AP
One Click LCA certification

Background B.Arch
K S School of Architecture

Areas of interest

Whole building simulations Simulation Studies and Analysis Climate responsive design

Skills

Grasshopper; DesignBuilder; Team management; Logical thinking

Experience

Intern at Thumbimpression collaborative, Surat -6 months

Profile

Profile

Pushkar Nachan



Location Mumbai, MH

Accreditations CoA; CREST (IITF One Click LCA certification

Background B.Arch Sir JJCOA, Mumbai, 2020

Areas of interest

Whole building simulations Computational design Net zero energy buildings Life cycle analysis

Skills

Designbuilder, Ladybug tools for WBS, One click LCA, Grasshopper, Revit, Fast learner, Analytical thinking

Experience

Jnr Architect at LABwerk, Mumbai - 6 months

Intern at Ingrain architects, Mumbai - 6 months

Neha Shremitha <u>M</u>



Location

Accreditations CoA; IGBC-AP

SAP-Anna University Chennai, 2020

Areas of interest

Climate and environment sensitive design CFD, Energy simulation Embodied carbon and Energy Occupant thermal comfort

DesignBuilder; Grasshopper; Openstudio; Envi-met; Analytical approach; Problemsolving

Experience

Intern at VC Constructions, Chennai - 5 months

Sanjay Antony



Accreditations

CoA; IGBC-AP; Strategies for Sustainable Design (NPTEL

Background
B.Arch, Faculty of Architecture
Karpagam Academy of Higher
Education, Coimbatore,2018

Areas of interest

Thermal Performance of **Building Envelopes** Alternative Construction methods Whole building simulations Renewable resource research

Skills

Revit; Grasshopper; Ladybug tools; IES-VE; Navisworks; Leadership; Critical thinking; Orator

Experience

Site Architect at COSTFORD Trivandrum - 3.5 years.

Intern at COSTFORD and Volunteer in Laurie Baker Centre for Habitat Studies-1yr

Sejal Rathi



Location Bhilai, CG

Accreditations CoA; IGBC-AP;CREST (IITR One Click LCA certification

Background B.Arch SMMCA, Nagpur, 2020

Areas of interest

Simulation studies Microclimate modeling Climate responsive architecture Thermal comfort

Grasshopper; Ladybug tools; DesignBuilder; Envi-me; Revit; Team player, Problemsolving, Adaptability

Experience

Intern at SYNECTICS PARTNERS Bangalore -9 months

Paawan Chawda



Location Mysore, KA

Accreditations
CoA; IGBC-AP; CREST (IITE
One Click LCA certification

Background B.Arch Mysore School of

Areas of interest

Thermal comfort Microclimate modelling Simulation Studies Climate responsive design

Ladybug tools; DesignBuilder; Envi-met; Rayman; Research and Analytical; Collaborative, Initiative driven

Experience

Collaboration with Path studio, Auroville - 4 months

Intern at Sathya Consultants-6 months



Roopika Y



Accreditations CoA; IGBC-AP

Background Kongu School of Architecture, Erode, 2021

Areas of interest

Climate-responsive architecture & related simulation analysis Passive design Thermal comfort Vernacular architecture

Designbuilder; Ladybug tools; Climate studio; Dialux, Vayu pravah; Team work; Critical thinking; Communication

Experience

Intern at Murali architects, Chennai, Tamilnadu - 1 year

Sanchana S



Location

Accreditations

Background Crescent School of Architecture, Chennai, 2020

Areas of interest

Climate and environment sensitive design, Occupant Thermal comfort R&D ,Vernacular and eco-friendly design approach, On-site Renewable energy systems

Ladybug tools, Designbuilder, Envi-met, Leadership, Communication & management

Experience

School of Planning and Architecture, Vijayawada

Intern at Lavanya and Shankar Architects. Chennai 1 year

Shveta Mohan



Accreditations CoA; IGBC-AP; One Click LCA certification

B.Arch MEASI Academy of

Background

Architecture, Chennai, 2018

Areas of interest

Embodied Carbon Life Cycle Analysis. Materials Research Simulation Studies & Analysis

Skills

Grasshopper; Ladybug Tools; DesignBuilder; Revit; Navisworks; Analytics, Team Player

Experience

Jnr Architect at Between Spaces, Bangalore - 2 years

Intern at MOAD, Chennai -1 vear

V V Sujeeth



Chennai, TN

Accreditations CoA; IGBC-AP

Background B.Arch Mohamed Sathak AJ

Academy of Architecture, Chennai, 2020

Areas of interest

Environment & Sustainability Climate-responsive architecture Thermal performance of Building envelope Local climate zones

Skills

DesignBuilder: Envi-met: Climate studio; ArcGIS; Adaptability; Leadership; Attention to Detail

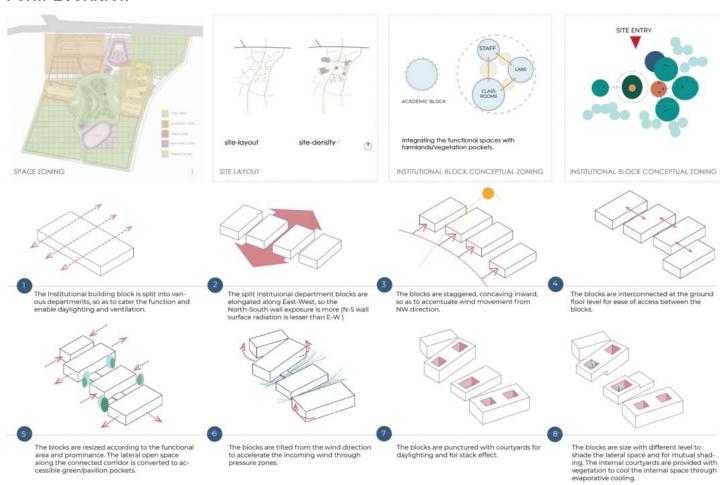
Experience

Jnr Architect at Feel & Bari, Chennai - 1 year

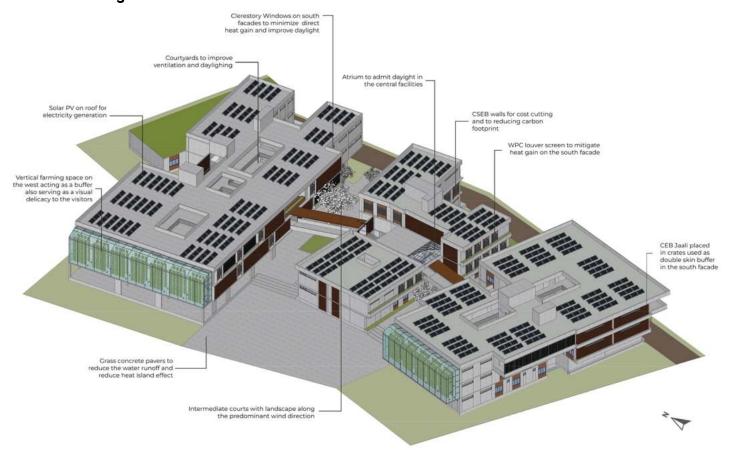
Intern at Feel & Bari, Chennai - 1 vear

Students'WORK

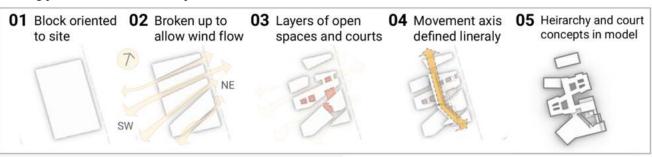
Form Evolution



Passive Strategies



Energy & Thermal Analysis



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Figure 26: Conceptual building zoning and development

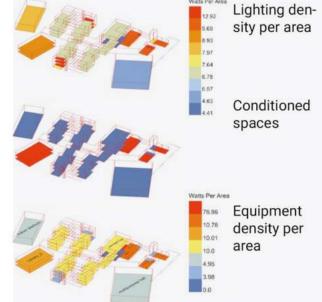


Figure 27: Images of spaces considered

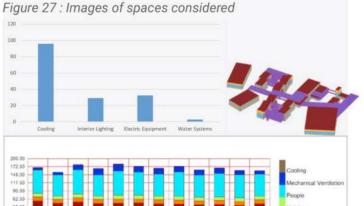


Figure 28: Result graphs

Simulated base case 140 SuperECBC target 110 80 Design target 50 EPI in KWh/m²/year

1647.15 1281.11 915.08 732.06 549.05

Figure 29: Annual radiation analysis

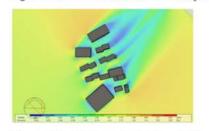


Figure 29: CFD analysis from SW

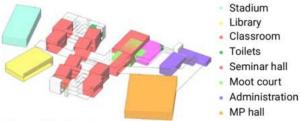
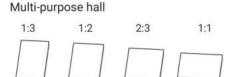


Figure 30: Zoning

BASE CASE as per conventional building materials	
Wall construction	250MM BRICK WALL
	25mm Stucco
	200MM BRICK
	25mm Stucco
U value	2.554 W/m ² K
Roof construction	Roof with light insulation
	50mm Insulation
	LW Concrete
	Ceiling Air Gap
	Acoustic Tile
U value	0.38 W/m ² K
Window construction	Single pane
Values	U-Value = 5.73
	VLT = 0.88
	SHGC = 0.8
Shading devices	None
WWR	0.5
Area per person	As per figure
Equipment load	As per figure
Lighting load	As per figure

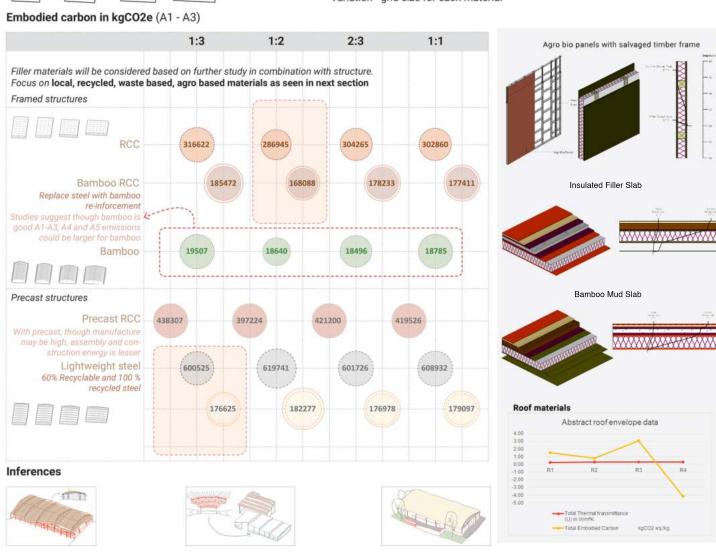
Total EPI of base case proposal at preliminary stage 159.27 KWh/m²/year

Embodied Carbon & Material Study



Proportions considered

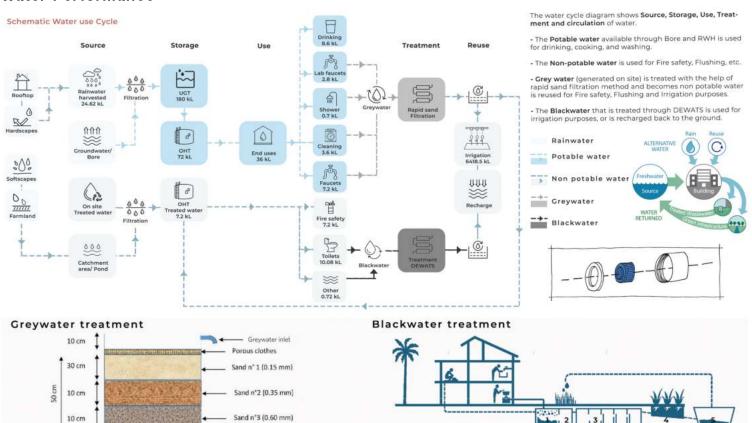
Constraints - Area and height. Variation - grid size for each material



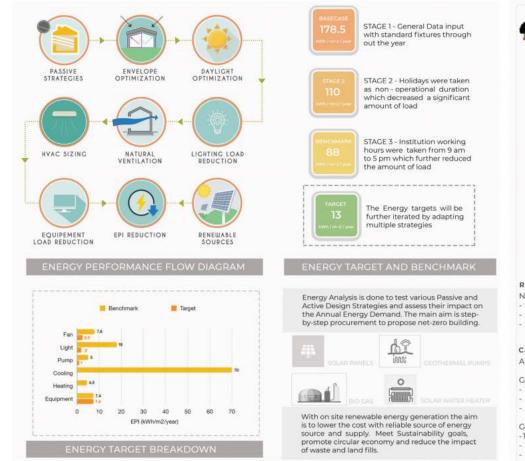
Bamboo and lightweight recycled steel are the best performingmembers for structural integration, particularly in large span structures.



Water Performance



Renewable Energy



Porous clothes



1. Sedimentation 2. Anaerobic process 3. Aerobic process

4. Planted gravel filter 5. Polishing pond

Why Hire Us

Our Scholastic training is broad and encompasses the study of sustainable environmnets with the inclusion of climatic and context studies, passive strategies in design stages and concerning thermal and visual environments. Our interests in various parts of sustainability and efficiency is reflected in our portfolios. We also possess good computer software skills and are collaborative to work with each other. Our studies have imparted a foundation of knowledge and analytical skills with these background.



Learning from competitions and industry collaborations

Participating in the competition Solar Decathlon India, helped us explore the various industries and ongoing projects, improving our communication and management skills with other expertise and leading to a collaborative learning from Industry partners.



Research and analysis

The course encourages research based studies and design, that interests students to interpret their findings and think analytically. This allows the student to question and apply the knowledge on the various studies rationally.



Inter personal learning

The studios offer the students to augment while imparting their understandings with each other, faculties and the panelists. A chance to collaborate with each other and work allows a give and take of knowldege and skills.



IGBC

Industry approved/relavant software expertise

During the course, relavant softwares were explored and experimented with designs and research analysis. Expertising in softwares is a added skill for our portfolios.



Green building rating Accreditations

Students were enthusiastic to learn about the rating systems, and hence, accreditations such as IGBC - AP, GRIHA - , LEED - GA is awarded to the them.

Fit into Wе Roles





- Energy simulation experts
- Green Building Consultants
- Energy Auditing
- Water Auditing
- ESG Environment Social Governance sustainability
- Lighting Design





- Interior Design
- BIM specialists
- Facade designers



- Research Associates
- Academic profiles & Teaching





- Renewable Energy sector





Deloitte.



LIVSPACE





TerraViridis





Notable Higher Educational Institutes and Hiring Organisations

Students of SPAV are well-placed across the nation in various capacities. A large number are working with the government as architects and planners, with a sizable number working as corporate consultants spread all over India. Students of Masters in Sustainable Architecture are either hired by notable organisations in the Industry or further pursuing higher academic & research work

Higher Educational Institutes



























Hiring Organisations

























propsech



TGC











Placements Cell

Batch of 2021-2023

M.Arch, Sustainable Architecture



Student Coordinators

Phone: +91 9994304845

Chandu Sai Tarun

Email: 1210500122@spav.edu.in

Lilith Kumar

Email: 1210500128@spav.edu.in Phone: +91 8892110169

Placement Coordinator

Prof. Dr. Abdul Razak Mohamed

Professor and Head
Department of Planning

Email: training_placement@spav.edu.in

Phone: +91 8662469462 +91 8333898065

+91 9841393016

Associate Coordinators

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Associate Professor

Department of Architecture

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Ar. Somaina Islary

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Ar. Ch. Karthik

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Shri Rajeev R

Assistant Professor
Department of Planning

Email: rajeevnair@spav.ac.in Phone: +91 8129794964

Reach out to us at: training_placement@spav.edu.in



CONTACT

Training and Placement Cell (TPC-SPAV)
training_placement@spav.edu.in
w w w . s p a v . a c . i n





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

> Survey No. 4/4, ITI Road, Vijayawada - 520008 Andhra Pradesh, India