



# VOICES 09

ISSUE 9 - JULY TO SEPTEMBER, 2023



## SCHOOL OF ARCHITECTURE AND INTERIOR DESIGN

SAID- SRMIST

### OUR VISION

To prepare students passing out of school to actively contribute to the profession, anticipate the paradigm shift and respond to the changing needs of the society.

### OUR MISSION

- Provide a diverse environment for teaching, learning, and research, supported by both traditional and state-of-the-art resources.
- To produce students who ensure that their design is sensitive to context, climate and culture
- "Think Globally. Act locally."



SAID  
NEWSLETTER

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RESEARCH FUNDED PROJECT

CASE STUDIES

MOU WITH UNIVERSITI OF  
MALAY

KAJARIA STUDENT AWARDS

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SCHOOL OF ARCHITECTURE AND INTERIOR DESIGN

### MESSAGE



**Dr.C.Pradeepa**

Professor and Head,  
Department of Architecture,  
School of Architecture and Interior Design,  
SRMIST, KTR

As we welcome the dawn of a new semester, I am thrilled to address all the students, faculties and staffs in this exciting edition of our department's newsletter. The start of a new academic term always brings with it a sense of renewed energy and enthusiasm. It is with immense pride that I address you all, reflecting on the past three months and looking ahead to the exciting developments in our Department of Architecture.

Firstly, a warm welcome to our new batch of first-year students who have embarked on their architectural journey with us. Your enthusiasm and fresh perspectives have invigorated our department, and we look forward to nurturing your passion for design and innovation.

In the last three months, our department has been a hub of activity. We have hosted a series of enlightening guest lectures and immersive workshops that have provided invaluable insights and practical knowledge to our students. A significant highlight of this semester has been the case studies undertaken by our students. These hands-on experiences, exploring architectural design projects and delving into the intricacies of material and construction, have allowed our students to apply their classroom knowledge in real-world contexts.

As we move forward, there is much more to look forward to. We have an exciting lineup of events, including further guest lectures, workshops, and collaborative projects that will continue to broaden your horizons and enhance your architectural skills.

I encourage all of you to stay engaged, continue pushing the boundaries of your creativity, and make the most of the opportunities our department offers. Your journey in architecture is an ongoing exploration, and we are here to support you every step of the way.





## CO-ORDINATORS MESSAGE

### SCHOOL OF ARCHITECTURE AND INTERIOR DESIGN

## MESSAGE



**Ar. Aishwarya R**  
Assistant Professor



**Ar. Aruna V**  
Assistant Professor

Welcome to another edition of our Voices newsletter. As we stand at the threshold of a new semester, We are thrilled to bring you the latest updates and highlights from our vibrant academic community.

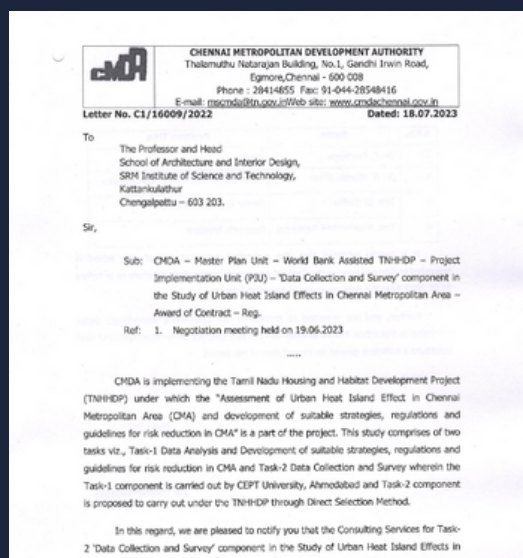
A warm welcome to the new faces that have joined our architecture family. Our first-year students have been with us for a month now, and it's truly inspiring to witness their enthusiasm and curiosity as they embark on their academic journey in architecture.

Over the past three months, our department has been a buzz with activity. One of the standout experiences has been the case studies undertaken by our faculties in the design and construction studios. These hands-on projects not only allow students to apply their theoretical knowledge but also serve as a bridge between classroom learning and real-world application. The dedication and creativity displayed during these case studies have been truly commendable.

Looking ahead, we have some exciting conferences on the horizon. These gatherings provide a platform for intellectual exchange and a chance to showcase our students' research and design prowess. It's an opportunity to learn from experts in the field and to expand our understanding of the ever-evolving world of architecture.

Our department thrives on the enthusiasm and commitment of its students, faculty, and staff, and together, we continue to build a vibrant and dynamic community. I hope you enjoy reading this edition of our newsletter and find it informative and inspiring. Here's to a semester filled with creativity, innovation, and meaningful architectural exploration.

## RESEARCH ACTIVITIES



Name	Position Title
Dr. C. Pradeepa	Advisor
Dr. R. Shanthi Priya	Team Leader and Overall Co-Ordinator
Tmt. G. Sudha	Senior Research Associate
Tmt. Prashanthini Rajagopal	Research Assistant

## URBAN HEAT ISLAND STUDY PROJECT APPROVED BY CMDA AND FUNDED BY WORLD BANK

The School of Architecture and Interior Design at our institution reached a significant milestone on June 27, 2023, when it submitted a comprehensive proposal for an Urban Heat Island study project to the Chennai Metropolitan Development Authority (CMDA), funded by the World Bank. This initiative was driven by a commitment to addressing pressing urban environmental challenges, particularly in the context of the growing heat island effect within the Chennai Metropolitan Area.

We are elated to announce that our proposal has not only received approval but has also been granted a substantial sum of Rs. 29,16,000/- (exclusive of tax) for the project titled "Data Collection and Survey Component in the Study of Urban Heat Effect in Chennai Metropolitan Area."

## UTILIZATION OF BROWN SEAWEED ADSORBENT FOR EFFECTIVE REMOVAL OF Pb(II) FROM WASTEWATER: BIOSORPTION AND COLUMN STUDIES

On September 30, 2023, Dr. Kousalya Devi's recently published research paper delves into the innovative utilization of brown seaweed as an adsorbent for the efficient removal of Pb(II) from wastewater. The study explores the process of biosorption and column studies to assess the seaweed's effectiveness in mitigating the hazardous impact of lead contamination. This research not only contributes to the field of environmental science but also offers promising insights into sustainable and eco-friendly solutions for water purification and pollution control.



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### Utilization of brown seaweed adsorbent for effective removal of Pb(II) from wastewater: biosorption and column studies

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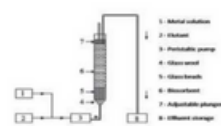
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<https://doi.org/10.30955/gn.005147>

#### Graphical abstract



#### Abstract

Researchers have been focusing on protecting water quality and preventing environmental contamination caused by industrial discharge of heavy metals. Various methods have been explored for extracting these metals from wastewater, but they often prove to be costly and rely on non-renewable resources. Adsorption, however, offers a promising solution due to its stability, affordability, and ease of implementation. In this

**Keywords:** Water quality, biosorption, heavy metals, seaweed, column studies

#### 1. Introduction

Seaweeds are aquatic plants without true roots or stem, capable of autotrophic growth even in nutrient-limited conditions. Valued as biosorbents for size, sorption capacity, and safety. Studies by Trinelli et al. (2013), Abbas et al. (2014), and Shamm (2018) confirm this. Seaweeds are classified as micro, macro, and red seaweed, with brown seaweed being particularly effective at absorbing heavy metals. The attachment of metal ions to seaweed surfaces depends on species characteristics, metal charge, and solution composition.

In the aquatic environment, these plants are regarded as valuable renewable resources. India's seaweed flora is diverse, with tropical species predominating, but frigid, temperate, and subtropical species have also been documented. Too far, Indian seas have been home to approximately 271 genera and 1153 species of marine seaweed come in various shapes and types. Tamil Nadu currently ranks top regarding potential seaweed resources among the coastal states and union territories. *Sargassum* is large and rapidly growing tropical brown seaweed. While seaweed has industrial use, *Sargassum crinale*

**Author:** Dr.Kousalya Devi  
Associate Professor

# DAYLIGHT PERFORMANCE ANALYSIS OF A RESEDENTIAL BUILDING IN A TROPICAL CLIMATE

On July 31, 2023, A research paper, featured in the journal Energy Nexus, presents a comprehensive analysis of daylight performance in residential buildings located in tropical climates. Ar. Kalaimathy K spearheaded this groundbreaking research, with valuable contributions from Dr. Shanthi Priya R, Ar. Prashanthini Rajagopal, and Dr. Pradeepa C. Their study explores the intricate dynamics of harnessing natural light in building design, emphasizing its potential in energy efficiency and sustainability. This paper not only enriches our understanding of architectural performance but also underscores the significance of optimizing daylight utilization to create environmentally responsible and well-lit living spaces in tropical regions.

## A REVIEW OF DAY LIGHTING CALCULATION METRICS, VARIABLES AND METHODS IN EVALUATING THE DAYLIGHT PERFORMANCE OF A RESEDENTIAL BUILDING

On July 31, 2023, A research paper published in the AIP Conference Proceedings offers an in-depth review of daylighting calculation metrics, variables, and methods for evaluating daylight performance in residential buildings. The first author, Ar. Kalaimathy K, collaborated with other accomplished researchers, including Dr. Shanthi Priya R, Ar. Prashanthini Rajagopal, and Dr. Pradeepa C. Their work sheds light on the intricacies of assessing daylight's impact on building design and sustainability. This paper not only enriches our understanding of architectural performance but also underscores the importance of optimizing natural light in residential spaces for a greener and more energy-efficient future.

**Authors:** Ar.Kalaimathy K Assistant Professor Dr. R. Shanthi Priya Professor



### Daylight performance analysis of a residential building in a tropical climate

Kamaraj Kalaimathy<sup>a</sup>, Radhakrishnan Shanthi Priya<sup>a</sup>, Prashanthini Rajagopal<sup>a</sup>, Chandramouli Pradeepa<sup>a</sup>, Ramalingam Senthil<sup>b</sup>

<sup>a</sup> School of Architecture and Interior Design, SRM Institute of Science and Technology, Kattankulathur, Chennai 601323, India  
<sup>b</sup> Department of Mechanical Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai 601323, India

#### ARTICLE INFO

**Keywords:**  
Daylighting  
Useful daylight illuminance  
Glazing  
Window-to-wall ratio  
Residential building  
Visible light transmittance

#### ABSTRACT

The present study investigates the effects of visible light transmittance in glazing and window-to-wall ratios on the ground floor daylighting performance in a two-storey residential building in a warm-humid climate. The metrics used to optimize daylighting performance with minimal glare are useful daylight illuminance, annual sunlight exposure, and spatial daylight autonomy. The daylighting performance of a residential building is assessed by empirical method and Design-Build simulation, focusing on overcast sky situations. The useful daylight illuminance is the primary metric for analyzing the amount of daylight throughout the year. Annual sunlight exposure and spatial daylight autonomy complement useful daylight illuminance in evaluating the daylighting performance. A window-to-wall ratio of 16%, a visible light transmittance of 0.62, and a glare of 0.52 can meet the daylighting requirements and standards. A design change in the window position helps to obtain annual sunlight exposure within 10% while maintaining high daylighting performance. When installed in the upper position of the wall with a higher sill and lintel height, glazing with a window-to-wall ratio of 16% and a visible light transmittance of 0.62 functions well without creating glare. The significant findings benefit all stakeholders in improving daylighting strategies in tropical climates and satisfying building standards.

#### 1. Introduction

Daylighting is crucial to create a comfortable living environment for residents as it uses natural light to provide visual and psychological comfort. Moreover, it presents an opportunity to reduce dependence on nonrenewable energy sources, contributing to energy conservation [1]. In India, lighting alone accounts for a considerable proportion of electricity consumption, underscoring the importance of incorporating daylighting strategies to offset electric lighting [2]. By effectively implementing daylighting techniques, the presence of natural light can be enhanced, resulting in energy savings [3–5]. The distribution and effects of daylight within internal spaces are significantly influenced by the design of building envelopes [6]. Variations in the amount of daylight are caused by climate, earth rotation, cloud cover, time of day, and season [7–9]. Energy efficiency can increase by incorporating daylighting techniques with energy-efficient lighting systems and suitable reflective materials on walls, ceilings, floor, furniture, and other

intelligent lighting systems [10]. In residential buildings, window design and glazing significantly improve visual comfort and energy efficiency. Several studies have been carried out to evaluate the performance of windows, considering different parameters, including size, type, material, and orientation to achieve the best visual and thermal comfort [11–13]. Strategies are suggested to optimize the window-to-wall ratio (WWR) and glazing selection to enable buildings to achieve spatial daylight autonomy (SDA) [14].

Researchers have investigated the acceptable WWR values and width-to-depth ratio based on certain orientations and climatic conditions [15,16]. To balance daylight and energy demand, they have also investigated the impact of wall reflectance on hybrid-model simulations. Additionally, the effects of glazing systems on daylight performance, such as parallel slat transparent insulating material, have been studied [17]. It has also been investigated how technologies like light shelves, translucent materials, and light shelves coupled with external reflectors affect dynamic daylight measurements. These initiatives seek to raise

RESEARCH ARTICLE | JULY 31 2023

### A review of daylighting calculation metrics, variables and methods in evaluating the daylight performance of a residential building

Kamaraj Kalaimathy<sup>a</sup>, Radhakrishnan Shanthi Priya<sup>a</sup>, Prashanthini Rajagopal<sup>a</sup>, Chandramouli Pradeepa<sup>a</sup>

Check for updates

<sup>a</sup> Author & Article Information

AIP Conf. Proc. 2813, 020016 (2023)

<https://doi.org/10.1063/1.5156987>

Daylighting has been an integral and fundamental aspect of architecture. Researchers began by using empirical methods, which over the years have evolved to include highly intricate computational simulation tools, like developing handheld applications to record the lux values, studying angle of penetration using online tools to directly simulating indoor environments with Velux, Design Builder, and IES-Virtual Environment. Integration of these calculations tool and based on the usage of different daylight calculation metrics like Daylight Factor, Average Daylight Autonomy, Annual Sunlight Exposure and Useful Daylight Illuminance we can investigate the daylighting performance of a building. However, downfalls of using such techniques are irrefutable and prevalent such as the limitations in calculations corresponding to value findings. So, the challenge is to find the effective calculation method, daylight metric and study on parameters like external obstruction, shading device, angle of penetration, and orientation for daylight evaluation. As mentioned, though there can be various metrics and technologies, the basic usage of such tools, generally require a high level of skill and expertise which is lacking, resulting in a major drawback even though efforts can be put to achieve the minimum required daylight inside the building. Thus, purpose of this paper is to provide an analysis of the existing studies on methods of calculation like simulation, experimental or empirical method, and the various metrics involved in study like Daylight factor, Useful Daylight Illuminance, and the variables like window wall ratio, latitude, orientation. The data offered helps to address gaps in research and unambiguously guides designers and architects toward a better knowledge of daylighting.

Topics

**Ar.Prashanthini R** Assistant Professor **Dr. C. Pradeepa** Head & Professor



# DA

## DEPARTMENT ACTIVITIES

### FACULTY DEVELOPMENT PROGRAMME ON BIM

The Architecture Department at our institution recently organized an enriching six-day Faculty Development Programme, which took place from July 10th to July 15th, 2023. This intensive program focused on Building Information Modeling (BIM), a cutting-edge technology revolutionizing the field of architecture and construction. What made this initiative even more valuable was the active participation of dedicated faculty members from various external colleges.

BIM, with its ability to streamline design, construction, and project management processes, has become a vital tool in the modern architectural landscape. By hosting this Faculty Development Programme, our Architecture Department is at the forefront of promoting innovative practices and ensuring that our faculty members remain well-equipped to educate and inspire the next generation of architects.



#### FACULTY COORDINATORS :

**Ar. Raja Muthaiah**  
Associate Professor

**Ar. Karthick K. A**  
Assistant Professor

### GUEST LECTURE ON "URBAN PLANNING CONTEXT AND PRACTICE"

Adhiyamaan College witnessed an enlightening guest lecture on "Urban Planning Context and Practice" on September 23, 2023. The distinguished speaker for the event was our very own faculty member, Ar. Sathish L.

It brought a wealth of experience and expertise to the lecture, making it an exceptional learning opportunity for the students. The talk delved into the intricate world of urban planning, addressing the contemporary challenges and the practical applications of planning principles.

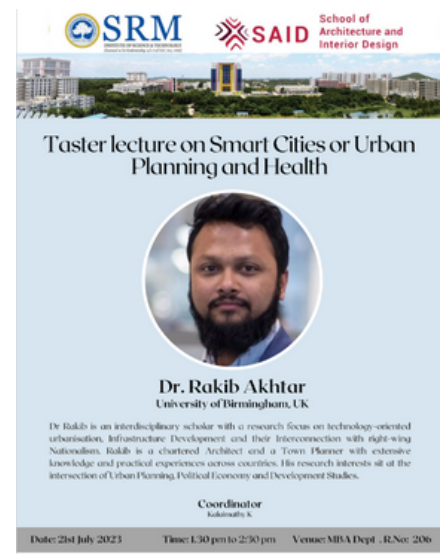




## TASTER LECTURE ON SMART CITIES OR URBAN PLANNING AND HEALTH

Dr. Rakib Akhtar, an architect and town planner, specializes in researching technology-driven urbanization and infrastructure growth. On 21.07.2023, he delivered a lecture to fourth-year B.Arch students, addressing contemporary urban challenges and imparting strategies to comprehend and tackle them. During the lecture, he showcased practical solutions implemented in foreign urban environments, drawing parallels to the context of Indian cities.

**FACULTY COORDINATOR :** Ar. Kalaimathy, Assistant Professor



## LECTURE TO TEE SIDE UNIVERSITY STUDENTS,UK.

Prof. Kamalakanan and Ar. Kalaimathy delivered a comprehensive presentation to Tee SIDE University students on the architectural marvels of Mahabalipuram, particularly focusing on Pallavan architecture. They provided detailed insights into the construction of the Shore Temple and elaborated on the unique characteristics of the five rathas. In recognition of their informative lecture on "Architectural Features of Mamallapuram" to Teeside University students in the United Kingdom, Prof. Kamalakanan and Ar. Kalaimathy were honored with a certificate by the Director of International Affairs.



## CASE STUDY AT NOVOTEL

Fourth-year B.Arch students recently visited Novotel on 09.10.2023. This hands-on experience allowed them to explore real-world architectural challenges, gaining invaluable insights into design, functionality, and sustainability. Visiting Novotel offered a unique opportunity for these aspiring architects to apply their theoretical knowledge to practical scenarios, enhancing their skills and preparing them for future endeavors in the dynamic field of architecture.

**FACULTY COORDINATORS :** **Ar. Sathish L**  
Assistant Professor



## VISIT TO ADYAR ECO PARK

In an educational adventure that blended nature with design innovation, second-year M.Des students recently visited on a transformative case study at Adyar Eco Park on 26.07.2023. This immersive experience allowed them to delve into the realm of sustainable design. Amidst the park's lush greenery and biodiversity, students gained inspiration and practical insights into eco-conscious creativity.

**FACULTY COORDINATORS :** Ar. Prithika  
Assistant Professor

## VISIT TO BOUTIQUE

B.Des students recently undertook an enriching design studio case study at a local boutique on 28.07.2023. This hands-on experience provided a unique opportunity for students to explore the intricacies of fashion design and merchandising. Immersed in the boutique's ambiance, they gained firsthand knowledge of trends, customer preferences, and retail display techniques. This practical exposure allowed them to refine their design sensibilities and understand the business side of the fashion industry.



**FACULTY COORDINATORS :**

**Ms.Susetha**  
Assistant Professor

**Ar. Sanghavi**  
Assistant Professor





## LECTURE ON STEEL STRUCTURES AND ITS INNOVATIVE IDEAS IN CURRENT PRACTISE

Mr. Rajkumar K delivered an engaging lecture to 3rd-year B.Arch students on steel structures and their innovative applications in modern construction on 17.08.2023. The session offered valuable insights into cutting-edge practices, enhancing the students' understanding of building materials and construction techniques. With a focus on practicality and innovation, it left the budding Architects inspired and well-informed about the evolving landscape of steel structures in the field.

### FACULTY COORDINATORS :

**Ar. Vishva Dharani**      **Ar. Prasanna**  
Assistant Professor      Assistant Professor

## URBAN DESIGN PROPOSAL MENTIONED ON HINDU PAPER

The urban design proposal by fourth-year B.Arch students garnered well-deserved attention when it was featured in The Hindu Newspaper on 22.07.2023. This visionary project tackles pressing issues within Chennai's transit-oriented development, reflecting the students' dedication to addressing urban challenges. Their work not only showcases creativity but also emphasizes the importance of sustainable and efficient urban planning. This recognition in a respected publication highlights the students' commitment to shaping a better, more functional future for Chennai and serves as an inspiration to aspiring architects.



CMRL work on Perumbakkam | Photo Credit: SRINATH M

### transport hub

Chennai Metro Rail officials working on Corridor 4 in Phase II can probably take some ideas from the "Design Studio" assignment of final years students of School of Architecture and Interior Design, SRM Institute of Science and Technology, Kattankulathur. Close to 60 students worked on how "transit-oriented development" can improve Metro's

patronage on Corridor 4 which covers the line from Light House to Poonamallee. Field studies were undertaken in many potential stations on this stretch.

The group found that Luz Road - Mylapore junction is witnessing a lot of traffic congestion, pollution, with pedestrians bearing the brunt of the problem.

A circular foot overbridge connecting RK Mutt Road-Luz Road- Kutchery Road is a recommendation made towards regulating flow of traffic on the stretch.

Suren Adithyaa and team analysed the need to have an integrated transport hub in Kodambakkam. "This is among the few stations where EMU and Metro will meet," says Suren. As per their analysis, Kodambakkam is one neighbourhood with a high residential population, where people travel to other places on work.

"Currently public transportation from Kodambakkam to arterial areas is good but not within the interior areas of the neighbourhood," says Suren.

Last-mile connectivity to Choolaimedu, Trustpuram along with a multi-level car parking



## GUEST LECTURE ON RESORT DESIGN

Ar. Bharathi Prem, the esteemed Director of Empty Space, shared her expertise with fourth-year B.Arch students in an insightful guest lecture on resort design on 22.08.2023. Her wealth of knowledge illuminated the complexities and nuances of creating exceptional resort spaces. This engaging session left an indelible impact on students, inspiring them to explore innovative and sustainable approaches in their future architectural pursuits.

### FACULTY COORDINATORS :

**Prof. Lakshmanan.C.T**      **Ar. Raja Muthaiah**      **Ar. Deepika**  
Professor      Associate Professor      Assistant Professor

## INDUSTRIAL VISIT TO ELEPHANTO FACTORY

On August 24, 2023, the second-year B.Des students embarked on an enlightening field trip to Elephantto Factory in Chrompet. The primary focus of their visit was to explore the intricate work of interior cupboards, cabinets, and the plywood manufacturing process. At the factory, students gained firsthand exposure to the manufacturing techniques, materials, and quality control processes involved in crafting these essential interior elements. This practical experience not only deepened their understanding but also inspired them to harness innovative approaches in their future interior design projects.

**FACULTY COORDINATOR :** Ar.Nivetha Devi , Assistant Professor.



## IES VE SOFTWARE WORKSHOP

On August 9th and 10th, 2023, a two-day IES VE training program for faculties members and M.Arch students was conducted. The program, facilitated by the knowledgeable Girish R Vishvanathan, aimed to impart crucial insights into Integrated Environmental Solutions Virtual Environment (IES VE), a powerful tool in the realm of architectural and environmental analysis.

This training enabled participants to harness IES VE's capabilities for sustainable design, energy analysis, and environmental performance assessment. Faculty members gained valuable expertise to enhance their teaching, while M.Arch students acquired hands-on experience crucial for their future careers. Girish R Vishvanathan's guidance bridged the gap between theory and practice, fostering a more environmentally conscious approach in architectural education.

**FACULTY COORDINATOR :** Ar. Balamaheswaran , Assistant Professor.





## INDUSTRY EXPERT'S TALKS

On August 3, 2023, B.Arch students attended a presentation and expert talk hosted by our department. The event featured Apollo Tyres, shedding light on their innovations, and Havells, focusing on smart living and sustainability. This experience allowed students to gain valuable insights into the latest advancements in these industries, aligning their education with real-world developments. Such opportunities for interaction with industry experts are invaluable, providing students with a broader perspective on architecture and its applications in today's dynamic world.



## GLASS ACADEMY FDP 2023

**Prof. Kaamalakannan and Ar. Karthick Raja** recently completed a three-day in-person Faculty Development Program at the Mohamed Sathak AJ Academy of Architecture College. The program, conducted by the Glass Academy, centered on the theme of "Glass as a Sustainable Material." By delving into the latest trends and innovations in glass applications, these educators are now better equipped to inspire the next generation of architects, emphasizing sustainability as a critical aspect of modern design. This commitment to professional development ensures that their students receive the best possible education.

## KNOW ABOUT ILETS - TALK BY NICK FERNANDEZ

A talk by Nick Fernandez, aimed at final-year B.Arch and B.Des students, shed light on the International English Language Testing System (IELTS), an essential stepping stone for those aspiring to study or work abroad. Mr. Fernandez's presentation provided invaluable insights into IELTS, covering the examination format, scoring criteria, and useful preparation tips. This information equips students with the necessary knowledge and resources to excel in the exam, opening doors to global opportunities in architecture and design.



## CREATIVE ARTS - SIP 2023

Fifteen faculties from our department collaborated with other departments in a comprehensive four-day **Student Induction Program** from August 7 to August 10, 2023, aimed at welcoming and orienting the incoming batch of freshmen.

The induction program comprised a diverse range of activities designed to introduce the students to the multidimensional aspects of design and creative exploration. **Workshops on parametric design, negative spacing, tangram puzzles, 3D paper art, 2D thread art, paper quilling, bookmark design, miniature craft, and thread pull art formed the core of the program.** These interactive workshops not only acquainted students with a wide array of artistic techniques but also stimulated their inventive thinking.



### Creative Thinking and Writing Sessions:

Students were encouraged to explore unconventional ideas and embrace imaginative approaches to problem-solving. Through activities like "Create a Fictional Country," participants exercised their creativity in designing a country from scratch, incorporating architectural, cultural, and societal elements. Through guided exercises, they were encouraged to express their thoughts, emotions, and design narratives in a cohesive and compelling manner. This integration of design and language enhances students' ability to communicate their ideas clearly to colleagues, clients, and the wider community.

### Graphic Arts and Beyond:

The program also delved into graphic arts, a crucial aspect of modern design practice. Students were introduced to graphic design principles, allowing them to understand the visual language that complements their engineering and design skills. Through this exposure, students learned to create visually engaging presentations and communicate their design ideas through compelling imagery.



## POSTER COMPETITION - MADRAS DAY

In commemoration of the 384th Madras Day, the Center of Architectural Heritage within our department organized a captivating competition on 25.08.2023. The event invited students from across SRM IST - Kattankulathur to participate in a Poster Design and Illustration Design contest. The challenge was to artistically capture the rich heritage and vibrant culture of Madras. This exciting initiative was open to both first-year and second-year students, providing a platform for them to showcase their creativity and celebrate the city's remarkable history and diversity. Such events foster a deep connection with our cultural roots and artistic expressions among the budding architects and designers.

**CONVENOR :** Dr.C.Pradeepa

**FACULTY COORDINATOR :** Ar.Shanmuga priya, Ar. Praveen N, Ar. DharaniDharan



## PRESENTATION ON MYLAPORE HERITAGE

On August 26, 2023, as part of the ongoing Madras Day celebrations, the 2023 graduates from our department joined hands with students from AMS Architecture College to deliver a captivating presentation. Their focus was the historic settlement of Mylapore in Chennai and its profound heritage significance. This collaborative effort aimed to shed light on the rich cultural and architectural legacy of this iconic neighborhood. Such partnerships not only enhance our understanding of local heritage but also strengthen the bonds of knowledge sharing and cultural appreciation among the academic community.



**FACULTY COORDINATOR :** Ar.Shanmuga priya, Ar. Praveen N, Ar. DharaniDharan



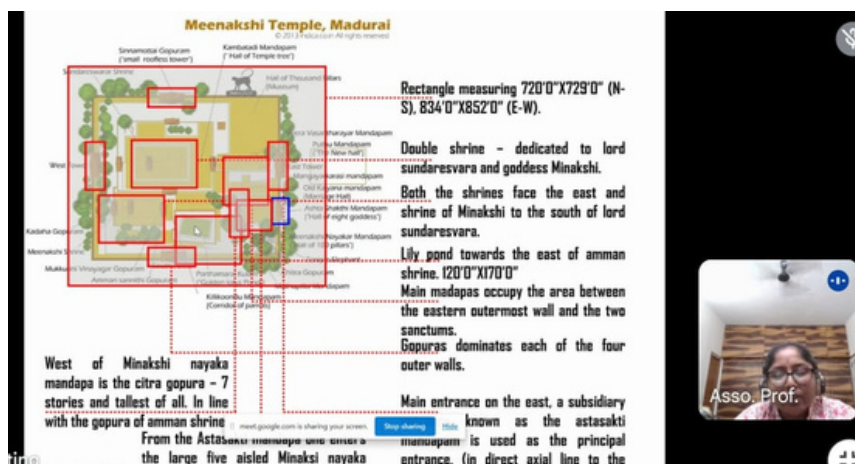
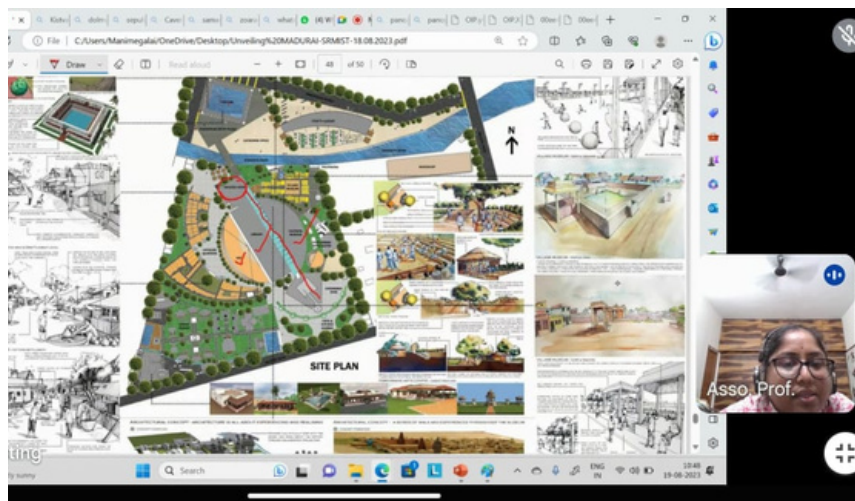
## “UNVEILING MADURAI: ATHENS OF THE SOUTH”

A brief presentation to understand the history, culture, planning and organization of Madurai city was given by Ar.V. Manimegalai, Associate Professor, MOHAMED SATHAK A.J. ACADEMY OF ARCHITECTURE. The students found the session to be very insightful and it served as a guiding factor for them to start the study and design on-site.

### FACULTY COORDINATOR :

Ar. Rengarajan , Assistant Professor.

Ar. Praveen , Assistant Professor.



## VISIT TO RAMOJI FILM CITY

A two-day set design case study trip to Ramoji City Film in Hyderabad, held on September 27th and 28th, 2023, was a remarkable journey for students who took set design as an elective.

Day one was an exploration of the Maya department, where they delved into the fascinating world of film props, lighting, sound, and elaborate sets. On day two, the adventure continued with a visit to Space Yatra's 4D experience, the iconic Bahubali set, a tranquil butterfly garden, and the mesmerizing Buddhist underground set. The students also enjoyed a visit to the zoo, featuring a stunning array of exotic birds like ostriches, flamingos, and various parrot species. This hands-on experience was an invaluable opportunity for budding set designers to gain practical insights and inspiration.

FACULTY COORDINATOR : Ar. Praveen , Assistant Professor.



## CASE STUDY/ SITE STUDY - L2 STUDENTS

As a part of L2 studio, both II and III years belonging to all 6 modules are designing cultural center. They went on site visits to their respective site locations that are listed and described as follows:

### MODULE 1 : FOCUS-PLANNING & ORGANISATION



Auroville, TN, India



Auroville, TN, India

The M1 studio module delved deeply into a comprehensive case study of the Kalakshetra Foundation and the Swaram Musical School in Auroville, allowing students to gain valuable insights. Furthermore, a collaborative brainstorming session at the School of Design Thinking, SIEEC, SRM, served to infuse innovative ideas and perspectives into the design process, culminating in a project strategically located within the vibrant SRM campus, fostering a dynamic learning environment.

Studio tutors: **Ar. Narayani, Ar. Karthick**

### MODULE 2: FOCUS-PLANNING & ORGANISATION

The M2 module's case study visit to Bangalore encompasses exploration of diverse locations, including Nrityagram, IIM Bangalore, Swastika Dance School, Roots Academy, National Gallery of Arts, and Tippu Sultan's Palace. Additionally, participants engaged in a workshop led by Ar. Hariesh K. Sankaran on spatial narratives, taking place on Tuesday, September 27th. This workshop delved into the intricacies of designing based on spatial experiences and constructing narratives for design, with a focus on conceptual development through sketches.

Furthermore, a separate workshop conducted by Ar. Aishwarya and Ar. Mythili Jaideep covered SketchUp and Photoshop, emphasizing sectional perspectives and plan presentations through drawing representations.



Studio tutors:

**Ar. DharaniDharan, Ar. Sri Vallaba.M**

### MODULE 3: APPROACH - BUILDING CONSTRUCTION & SPECIFICATION

Students visited a factory visit to VME Precast in Oragadam. This hands-on experience provided essential insights into the manufacturing process. They further enriched their knowledge with a site visit to the Madras Literary Society in Egmore, a pivotal element of their ongoing design studio project.

Studio tutors: **Ar. Gajendran, Ar. Prasanna**



GPS Map Camera



## MODULE 4: APPROACH - BUILDING CONSTRUCTION & SPECIFICATION

As part of the M4 module's cultural center case study, students embarked on enlightening visits to Kalamandalam in Thrissur and Kalakshetra in Chennai. In addition to these cultural center explorations, the students actively participated in a bamboo workshop, providing them with valuable hands-on insights into bamboo-based construction techniques.



Studio tutors:  
**Ar. Arun,**  
**Ar. Manjari**

## MODULE 5: APPROACH -PLANNING & ORGANISATION



The M5 module site positioned on the serene banks of the Vaigai river in Madurai offers a prime opportunity to delve into the intricacies of the city's planning and organizational strategies. Madurai's unique blend of historical charm and modern urban development serves as a captivating case study to unravel the nuanced dynamics of urban growth and preservation.

Studio tutors: **Ar. Rengarajan, Ar.Praveen**

## MODULE 6: APPROACH - VISUALIZATION & COMMUNICATION

A comprehensive study of Mahabalipuram was undertaken, with a focus on documenting its sensory experiences through sketches. Students meticulously recorded, observed, and sketched the various experiential elements within Mahabalipuram, including its entrances, activities, intricate carvings, sculptures, varying levels, diverse textures, unique perspectives, as well as open, enclosed, and semi-enclosed spaces, among other aspects.



Studio tutors: **Ar. Vishva Dharani, Ar.Aruna V**



## COLABARATION ACTIVITIES

### MOU SIGNED WITH UNIVERSITI OF MALAYA - SEPTEMBER 8, 2023



On September 8, 2023, our School of Architecture and Interior Design proudly established a significant partnership by signing a Memorandum of Understanding (MoU) with the prestigious University Malaya. This collaboration promises to foster academic excellence, knowledge exchange, and exciting opportunities for both institutions, enhancing the educational landscape in the field of design and architecture.

### LECTURE ON UNDERSTANDING EMERGING TRENDS IN URBAN DESIGN

On August 29, 2023, an online lecture by Dr. Sucharita Srirangam, a Ph.D. holder in Architecture from the University of Edinburgh, captivated the audience. The lecture, titled "Understanding Emerging Trends in Urban Design," provided valuable insights into the ever-evolving field of urban planning. Dr. Srirangam's expertise shed light on the latest trends, enriching students' understanding of contemporary urban design principles and practices.



### INTERNATIONAL ADJUNCT FACULTY VISIT

Our department was honored to host Dr. Nazli from universiti of Malaya, an international adjunct faculty member, from September 6 to September 8, 2023. This visit marked a valuable exchange of knowledge and perspectives, enhancing our students' education. Dr. Nazli's expertise and insights enriched our academic environment, fostering a global perspective within our institution.



### INTRODUCTION TO BUILDING ACOUSTICS AND WORKSHOP ON ODEON ACOUSTICAL STIMULATION SOFTWARE

On September 8, 2023, Dr. Nazil delivered a lecture on acoustics to second-year B.Arch students with a focus on building materials and construction. Additionally, he conducted a practical workshop on Odeon acoustical simulation software for M.Des students. As a seasoned expert in the field, Dr. Nazil provided valuable insights into the intricate domain of acoustics within architectural design.



**MoU COORDINATORS :**

**Dr. R. Shanthi Priya**, Professor

**Ar.Pavithra**, Assistant Professor



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## STUDENT ACTIVITIES

### SKETCHING TRIP - I YEAR

Students of I year B.Arch and B.Des visited Dakshin Chitra and Mahabalipuram for a sketching trip.

Apart from the historical sites, Mahabalipuram offers beautiful beaches, and students can enjoy some relaxation by the sea after exploring the cultural and historical attractions.

After this trip the students gained a deeper understanding of South Indian culture and history while enjoying a combination of interactive experiences and historical exploration. It's a great opportunity for educational enrichment and a chance to appreciate the rich heritage of the region.



### SKETCH EXPO EXHIBITION



The sketching exhibition, which took place at our display hall and lobby for B.Arch I years and B.Des I years respectively, captivated all the attendees. We witnessed an incredible display of creativity and skill, as our students showcased their artistic talents through a wide range of sketches and drawings. The sketches on display were not merely drawings but expressions of thoughts, emotions, and stories. The exhibition brought together our college community students, faculty, staff, parents, and alumni. It fostered a sense of unity and appreciation for the arts within our college.



**FACULTY COORDINATORS :** First year Faculty team of both B.Arch and B.Des guided the whole Sketching trip and the exhibition.



## MC'VIZHA'23 AT OOTY SCHOOL OF ARCHITECTURE

Our B.Des students participated in 'Mcvizha23' conducted by Ooty McGan's school of architecture. Various guest lectures, workshops, paper presentations, design competitions on adaptive re-use, paper metamorphosis, metal scraps were conducted. **Kamala Priya S from 3rd year b.des won 1st prize in Design Charrette competition in mcgans.** Apart from that they actively participated in workshops. Electronic waste using and scrap metal.



## KAJARIA STUDENT AWARDS

Kajaria, a renowned name in the tile industry, awarded a generous sum of one lakh rupees to each of the top three students (Yokesh, Srinidhi and Dinesh) from the 2023 graduating class. These exceptional students, who excelled in their academic performance, were selected for their outstanding achievements and dedication. This gesture not only acknowledges the students' hard work but also inspires them and their peers to strive for excellence in their academic pursuits.





## ANNUAL NASA DESIGN COMPETITION (ANDC)

For the 66th year of ANDC, Walk the Talk our B.Arch II years gave an entry for the competition. The challenge was to demonstrate the immense possibilities of creating new, exciting spaces with pre-used, discarded or waste materials. The students not just conceptualised but have physically built the space such that people can see it, use it and feel it. The experience made the designers and users re-think their aversion to re-using old materials. The intent of ANDC brief was to let the aversion of using used/old materials which was well satisfied and understood by our students.

FACULTY COORDINATORS : Ar.Narayani, Ar.Karthick



## THE ALTERNATIVE SCHOOLS OF ARCHITECTURE - (TASA) TOP 10 THESIS STUDENTS

The Alternative Schools of Architecture (TASA) recently hosted a nationwide Thesis competition, seeking to recognize the Student of the Year. Among the numerous entries, Ar. Yokesh, one of our 2023 B.Arch graduates, His thesis made it to the top 10 selections, an impressive feat, and a testament to his architectural prowess. A distinguished panel of architects from around the world adjudicated the submissions, reaffirming Ar. Yokesh's exceptional talent and dedication to the field.





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## CELEBRATION TIME

### FRESHERS DAY FOR BATCH 2023-28

FRESHERS DAY 2023-28, the eagerly anticipated event marked the joyous induction of our newest members into our academic family. The event was a spectacular showcase of their creativity and enthusiasm, setting the perfect tone for the newcomers' journey ahead. The seniors' dedication in making the evening a memorable one was evident in the nice ice-breaking activities that sparked new friendships, delicious snacks provided, impeccable organization, and surprise gifts that the students enjoyed.



### TEACHER'S DAY

The Teachers' Day function was conducted in our department on 06.09.23 by our students and it was a heartwarming tribute to the educators. The day began with inspirational speeches, heartfelt poems, dance and musical performances showcased the deep respect the students held for their teachers. The highlight of the event was the notes displayed about every faculty, describing their character and nature. The day concluded with a delightful cake cutting where students and teachers sat together, reinforcing the idea of unity and fellowship.

#### FACULTY COORDINATORS :

**Ar. A.Grace Ansica**  
Assistant Professor

**Ar. Prasanna**  
Assistant Professor





## VINAYAKA CHATHURTHI

The Vinayaka Chaturthi function at our college was celebrated on 15.09.2023. It is a resounding success, celebrating the auspicious Hindu festival with fervor and enthusiasm. The event commenced with traditional prayers and the installation of a beautifully adorned Lord Ganesha idol. Students and faculty members came together to offer flowers, sweets, and perform aarti, creating a spiritual atmosphere. It was a day of unity, devotion, and joy, fostering cultural harmony among all attendees.



## ONAM AND STUDENT COMMITTEE ELECTION

The culmination of the Onam function at our college on 30.8.2023 was a vibrant and memorable affair. The day commenced with a grand Pookalam (flower carpet) competition, where students displayed their creative floral artistry. A sumptuous Onam payasam was served fostering a sense of unity and togetherness. Traditional dance forms like Kathakali and Thiruvathira were performed by both students adding a cultural charm to the event. The day ended with enthusiastic games and a cultural procession showcasing the essence of Kerala's rich heritage. It was a joyous celebration that brought the entire college community closer.

FACULTY COORDINATORS :

**Ar. A.Grace Ansica**  
Assistant Professor

**Ar. Prasanna**  
Assistant Professor





# VOICES

ISSUE 09



*EDITORIAL*

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