



**PERIYAR
MANIAMMAI**

INSTITUTE OF SCIENCE & TECHNOLOGY

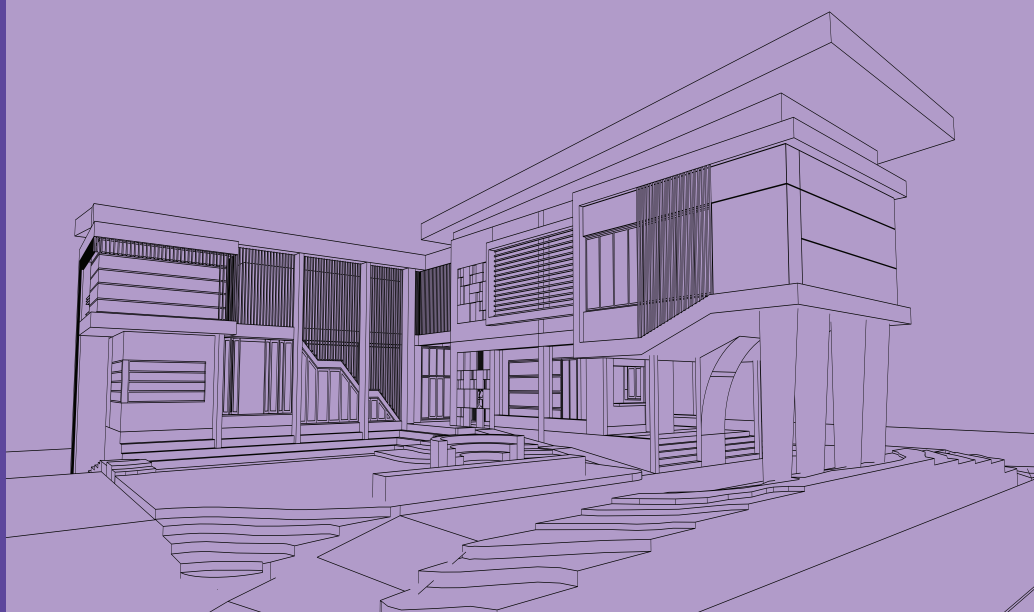
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FAP FLASH 2023

DECEMBER'23



**DEPARTMENT OF ARCHITECTURE
28 YEARS OF CREATIVE EXCELLENCE**

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PAPER PUBLICATION

Ar. V. S. Kavitha, Asso.Prof & Dean i/c FAP, published a Research article titled "Benchmarking sustainability of pilgrimage cities: a case of three cities in Tamil Nadu, India" in "Benchmarking," which is published by Emerald Publishing on 01.12.2023 in Vol. 30 No. 9, pp. 2967-2992. It is indexed in Scopus and also in the Web of Science-Emerging Sources Citation Index(ESCI).



BOOK CHAPTER PUBLICATION

Dr.C.V.Subramanian Prof/Arch and Ar.J.Mullai Asso.Prof/Arch have published a Book chapter titled "Bio mimicry- integrating nature into architectural construction for sustainable and human centered design" in the book "Unveiling Sustainable Architecture Design and planning: Showcasing Sustainable Strategies in building and urban planning (Paperback)" with ISBN-13:979-8892337236 by the Notion Press publishers dated on 21.12.2023.



CHAPTER-6

BIOMIMICRY- INTEGRATING NATURE INTO ARCHITECTURAL CONSTRUCTION FOR SUSTAINABLE AND HUMAN-CENTERED DESIGN

Dr.C.V.Subramanian, Professor, Department of Architecture, Periyar Maniammai Institute of Science & Technology, Thanjavur, India

J.Mullai, Associate Professor, Department of Architecture, Periyar Maniammai Institute of Science & Technology, Thanjavur, India

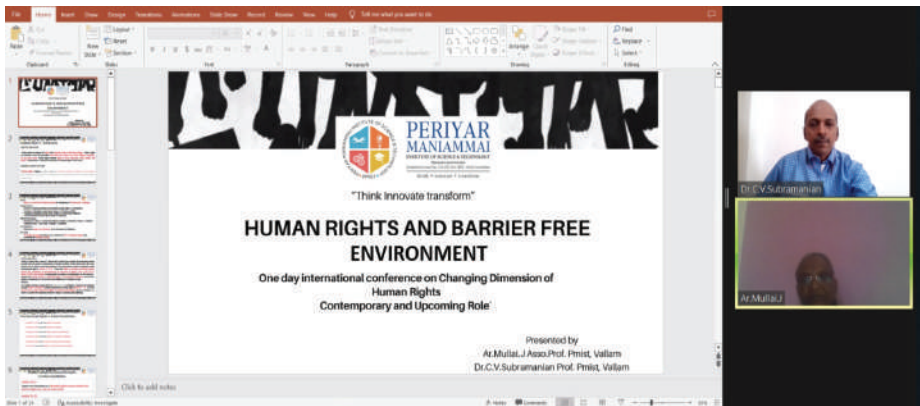
A.Prethicksha, Practising Architect, Chennai

ABSTRACT

Due to urbanization, people are moving from rural to urban areas. Urban areas are occupied by a concrete jungle that creates an urban heat island in the center of the city. So, we must integrate nature into the field of Architecture. The meaning of Biomimicry is an imitation of nature, getting a form from nature, implementing the function of nature and integrates nature into buildings. Ancient days onwards, human beings have been living in nature; living with nature. Nowadays, people are living in the global boiling stage. So, we must understand the form and function of nature, and to integrate nature into the architecture. Natural forms are used for buildings and functions are used to achieve stability, ventilation, lighting, material selection, and utilization of spaces. Integration of nature into buildings created comfortable living, reduced temperature, less air pollution, less noise pollution, increased air quality in addition to aesthetic and visual benefits, economic and increased human wellbeing. So, biomimicry design is a sustainable and human centered design. This chapter deals with integrating biomimicry design into the field of architecture.

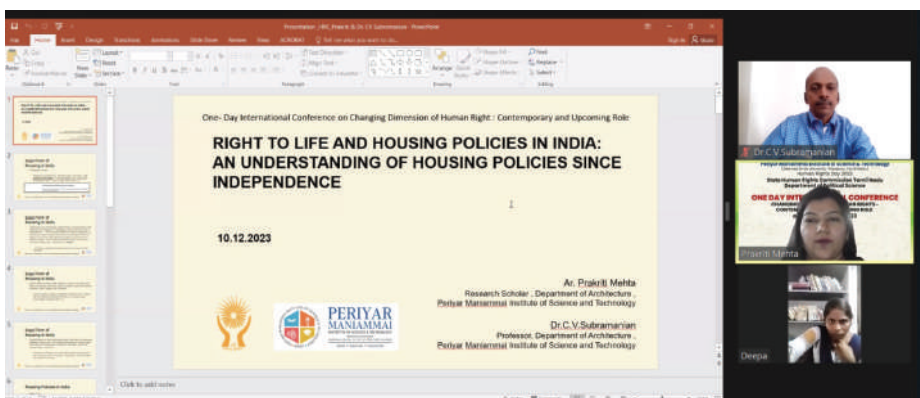
PAPER PRESENTATION

Dr. C.V. Subramanian, Prof/Arch, and Ar.J.Mullai, Asso.Prof/Arch participated and presented a paper titled "Changing Dimension Of Human Rights Contemporary And Upcoming Role" in the One Day International Conference held on 10.12.2023 jointly organized by the State Human Rights Commission and PMIST.



PAPER PRESENTATION

Dr. C.V. Subramanian, Prof/Arch along with research scholar Ar. Prakriti Mehta participated and presented a paper titled "Right to Life and Housing Policies in India: An Understanding of Housing Policies Since Independence" in the One Day International Conference held on 10.12.2023 jointly organized by the State Human Rights Commission and PMIST.



FACULTY DEVELOPMENT PROGRAM

Ar.V.S.Kavitha, Asso.Prof & Dean i/c, FAP & Ar.K.Jasmine Vidhya, Asso. Prof & HOD, Arch participated in the Malaviya Mission Teacher Training Programme (MM-TTP) held from 13.12.2023 - 22.12.2023, focusing on orienting and sensitizing Higher Education Institution (HEI) faculty members to core National Education Policy (NEP) themes. The program, conducted through Malaviya Mission Teacher Training Centres (MMTTCs) nationwide, aims to integrate NEP principles into ongoing academic initiatives. Their participation underscores a commitment to advancing pedagogical practices and aligning with contemporary educational developments.



KNOWLEDGE EXCHANGE

Ms. Vidushi Agarwal, a B.Arch graduate from DIT University, Dehradun, visited Thanjavur on 29th and 30th December 2023. She is currently working on the Chola museum under the guidance of Prof. Ram Sateesh Pasupuleti at IIT Roorkee. During the visit, we had a discussion about Chola architecture at the Maratha palace in Thanjavur, along with Mr. Bajaji Raja Bhonsle, the Maratha heir of Thanjavur. We also provided insights into the architecture of Thanjavur.



BOS MEETING

Dr. C.V. Subramanian, Prof/Arch was designated as the Academic Subject Expert within the Board of Studies (BoS) at the School of Architecture in Dhanalakshmi Srinivasan University, Trichy. He actively participated in the BoS meeting held on 21.12.2023, contributing numerous valuable suggestions to enhance the quality of education within the new curriculum, aligning it with the guidelines set forth by the Council of Architecture (COA).



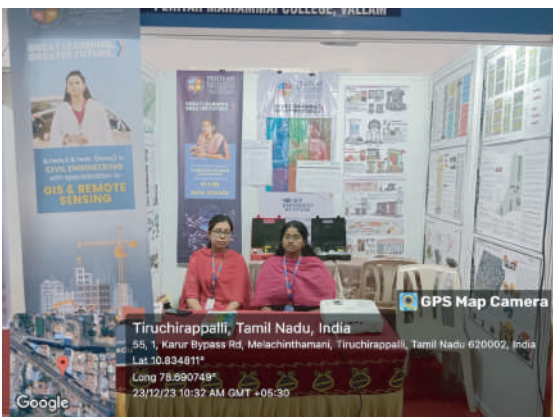
SCHOOL VISIT

Ar.S.Banazir Banu, Asst.Prof/Arch visited Al Ameen Matriculation Higher Secondary School in Kumbakonam on 11.12.2023, Ar.S.Vithyalakshmi, Asst.Prof/Arch and Ar.R.Kalavani, Asst.-Prof/Arch visited Periyar Centenary Memorial Matriculation Hr. Sec. School, Orchard Matriculation Hr. Sec. School, Shrine Vailankanni Mat. Hr. Sec School, Samadh Hr. Sec. School, Equitas Gurukul Mat. Hr. Sec. school, BHEL Matriculation Hr. Sec. School and Boiler Plant Girls Higher Secondary School on 21.12.2023 and Ar.S.Manjari, Asst.Prof/Arch visited Sri Renga Matriculation Higher Secondary School and Sree Vaijayanthee Vidyala Matriculation Higher Secondary School in Trichy on 22.12.2023 for admission-related discussions. They informed them about the department's ongoing online workshop for 10th, 11th, and 12th-grade students during the visit.



BUILDROCK EXPO 2023

Ar. S.Manjari, Asst.Prof/Arch and Ar. R.Kalaivani, Asst.-Prof/Arch represented the institution at the BuildRock Expo organized by Builders Association Trichy from December 23 to December 25, 2023. Their participation aimed to create awareness about the institution's courses and provide insights into the diverse educational offerings available. They engaged with attendees, explaining the various courses offered to foster a better understanding of the institution's educational opportunities.



CREATIVE CATALYST WORKSHOP 2023

The Department of Architecture organized a 3-day online Creative Catalyst Workshop from 27.12.2023 - 29.12.2023. The workshop aimed to provide creative knowledge in various domains, including 3D visualization using AI, digital art through mobile applications, and mobile photography and editing. The target audience for the workshop comprised 10th, 11th, 12th-grade students, and polytechnic students.

Ar. Bala Hari Krishnan initiated the workshop as the speaker on the first day, providing insights into utilizing AI for 3D visualization. Ar. N. Ramesh Babu took the lead on the second day, discussing techniques for creating 3D models using Sketchup. On the final day, Mr. Davis Charan delved into mobile photography and editing, offering valuable insights in this area.

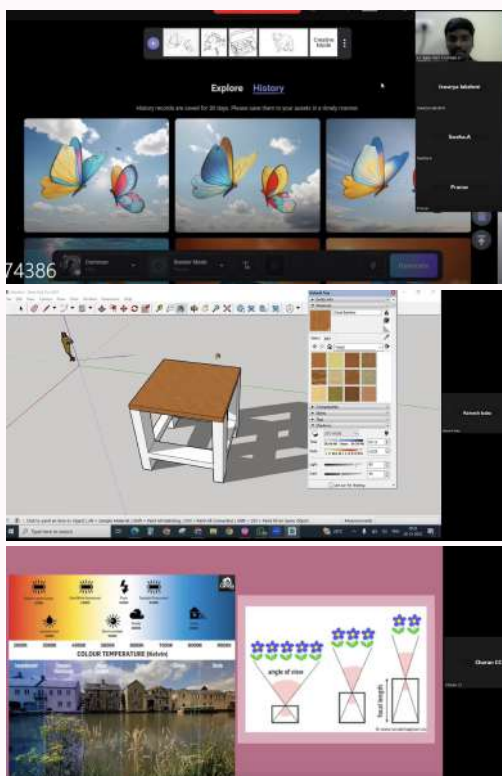
A total of 347 registrations were received for this engaging workshop, reflecting the keen interest and participation of the attendees.

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Coordinators:

Ar.S.Banazir Banu, Asst.Prof/Arch

Ar.S.Vithyalakshmi, Asst.Prof/Arch

VALUE ADDED COURSE

The Department of Architecture organized a value-added course on MEP (Mechanical, Electrical, and Plumbing) for fourth-year (Batch 2020-2025) 'A' and 'B' section students. The course took place from December 19 to December 23, 2023, enhancing student's knowledge of crucial aspects of building systems and services and providing practical insights and skills in MEP.



THESIS EXHIBIT

The thesis 'Maritime Complex at Kakinada' by Ar. G. Pavithra, a student of the 2021-23 M.Arch degree program, was displayed to the public on 10.12.2023 as one of the top 25 entries at the national level during the Final Jury of the COA Awards for Excellence in Post Graduate Thesis in Architecture 2023 at Sahitya Akademi, New Delhi.



STUDENTS WORK

Third year 'A' section students have designed a hospital for gynecology and pediatrics as a part of their XAR507 - Architectural Design - IV course. The below images highlight the exceptional work of student Mohammed Malik Hussain, showcasing his innovative design that places emphasis on both functionality and aesthetic excellence in healthcare architecture.



INTERIOR VIEWS

Course - XAR507 - Architectural Design - IV
Faculty i/c - Ar.V.S.Kavitha, Asso Prof. & Dean i/c, FAP,
Ar.S.Manjari, Asst.Prof/Arch & Ar.P.Bharathi Kanamma Asst.Prof/Arch

DECEMBER 2023



FAP FLASH CREW

DEAN FAP

Ar.V.S.KAVITHA

HEAD OF THE DEPARTMENT

Ar.K.JASMINE VIDHYA

FACULTY COORDINATOR

Ar.S.MANJARI

