COLLABORATIVE ACTIVITIES

DEPARTMENT OF ARCHITECTURE

establishment/industry for research and academic development of faculty and students during the year							
Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Nature of the activity			
Collaborative Studio workshop- Crafts in Today's context	Sathyabama Institute of Science & technology	42+24(PMIST+ Sathyabama)	2023	Crafts in Today's context			
Unveiling sustainable Architecture design and planning	Dr. G.Yogapriya, Chettinad School of Architecture , Chettinad Academy of Research and Education,Kelambakkam	Ar.S.Suganthi Ar.R.Kalaivani	Dec-23	Book Chapter - chapter 11 Green Building Material			
Unveiling sustainable Architecture design and planning	Dr. G.Yogapriya, Chettinad School of Architecture , Chettinad Academy of Research and Education,Kelambakkam	Dr.C.V.Subramania nAr.J.Mullai	Dec-23	"Bio mimicry- integrating nature into architectural construction for sustainable and human centered design - chapter 6			

Evidence

NameoftheProgram:	Collaborative Studio Workshop
Date/Time:	16.8.2023- 20.8.2023
Venue:	Architecture studio
No.ofParticipants:	42+24(PMIST+ Sathyabama)
Description of theProgram:	A collaborative studio workshop was organized for the II-year Students of PMIST and II- and III-year students of SatayabamaInstitute of Science and Technology from 16.8.2023 – 20.8.2023. 42 students of II-yearArchitecture and 24 students of II- and III- yearof Interior Design participated in the workshop. Day -1 The programme was inaugurated by Ar. V.S Kavitha, Dean in charge, FAP. An Introductory session was given by the coordinators of programme Ar. Dr. C.V Subramanian, Ar. S. Deepalakshmi&Ar. V. Guruji. They demonstrated about the theme of the workshop "Crafts in Todays context" The design project was introduced by the coordinator Ar. K.Jasmine Vidhya, Asso. Prof / Arch in the afternoon session. Day-2 The students were taken for a site visit to the following Craft making workshops. 1. Thanjavur art plate 2. Thanjavur Painting 4. Veena making They also visited Thanjavur Palace and Saraswathi mahal. Day-3 The students were divided into groups and they collected the data's and done with literature study. They worked on the project "Designers Niche". The students' progress was reviewed in the afternoon session'. Day-4 The students continued to work on their design concepts and produced designs for the craft designer they have choosed. The students were guided by Ar.R.Kalaivani. Day-5 The students were collected from the students and the workshop ended with a valedictory session



Inauguration and introduction to workshop



Students Visit to Thanjavur art plate making Workshop



Students working on the designs



Students working on the designs



Review of the students work by Ar.RameshBabu



Feedback and valedictory session

EVENT POSTER





Studio Workshop

ARCHITECTURE AND INTERIOR DESIGN WORKSHOP

Collaborative

PERRIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY Generative University Ematered University & Station - NACA Correlated Internet of the Science of the Sc

CSW#02



COORDINATORS



Dr.C.V.Subramanian Professor



Ar.K.Jasmine Vidhya Asso.Professor

Periyar Maniammai Institute

of Science & Technology, Thanjavur

Ar.S.Deepalakshmi Asso.Professor



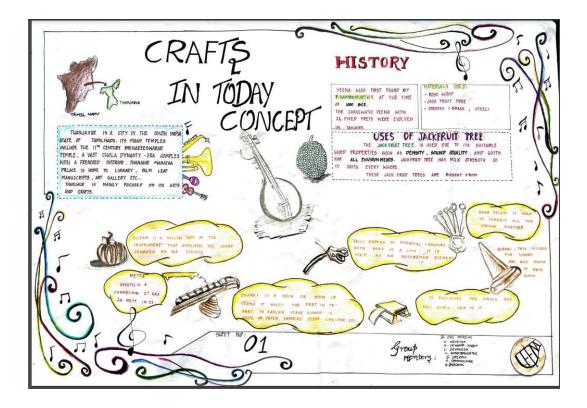
Ar.V.Guruji Asso.Professor

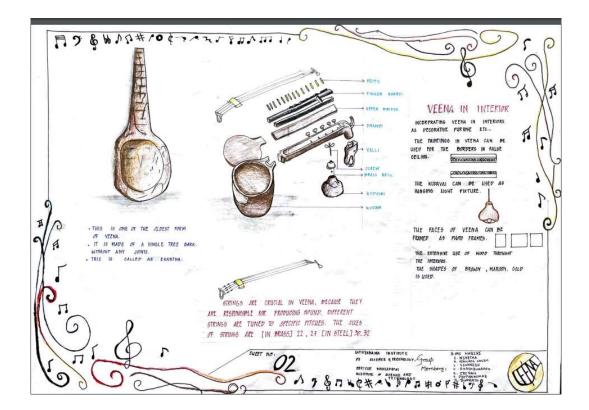
Sathyabama Institute of Science and Technology, Chennai

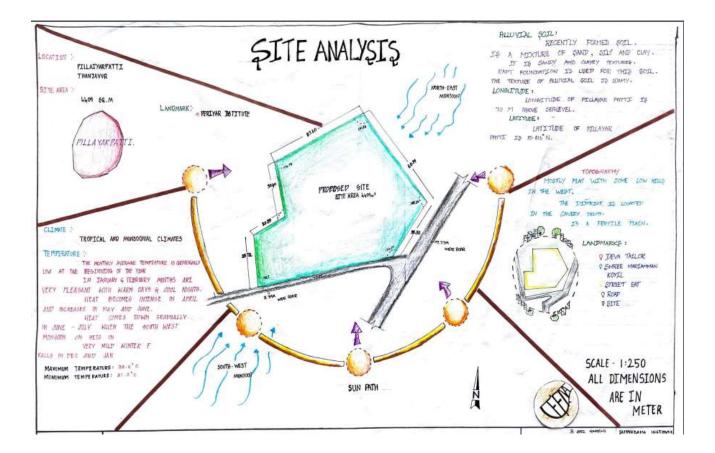
Participants: Second and Third year students of both the Institutions.

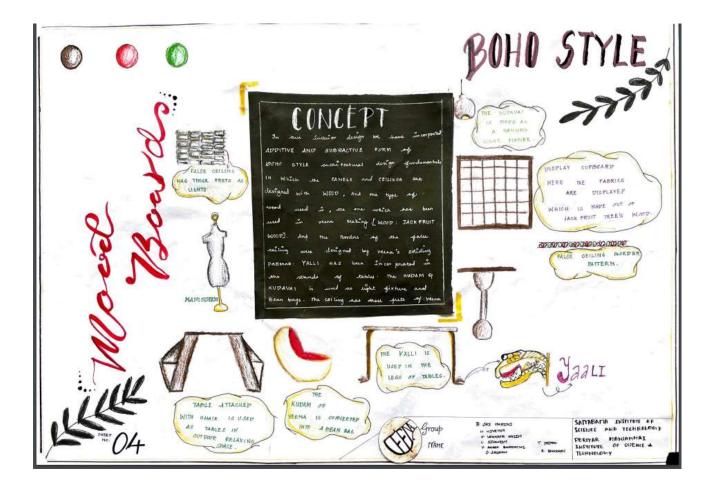
Architecture and Interior Design Workshop is organised by School of Building and Environment, Sathyabama Institute of Science & Technology, Chennai in collaboration with Faculty of Architecture and Planning, Periyar Maniammai Institute of Science & Technology, Thanjavur, Venue: PMIST Campus.

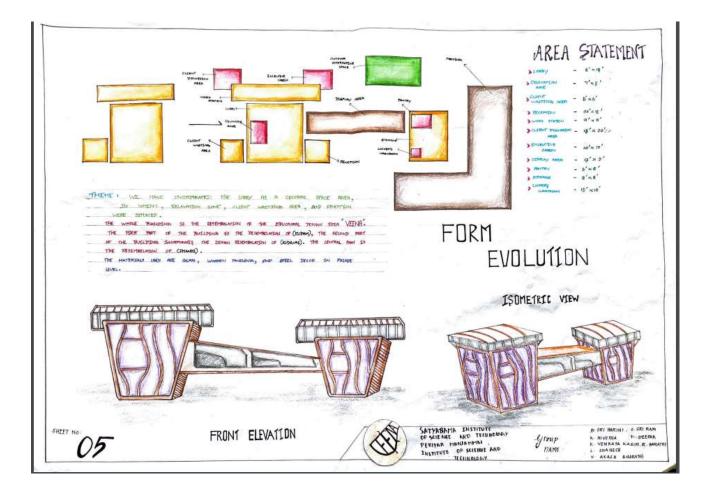
Students' design sheets

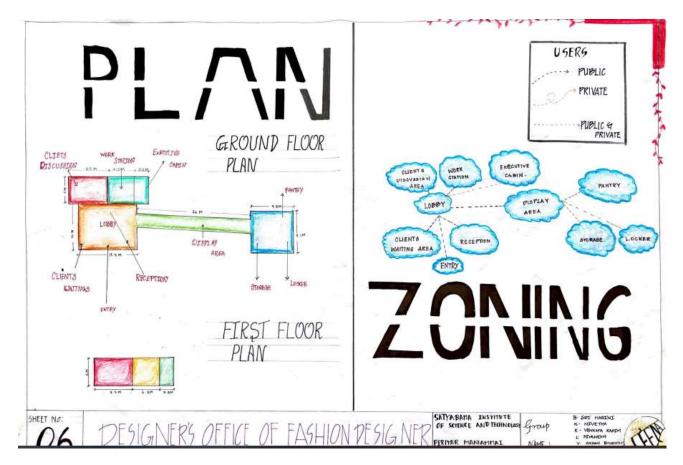


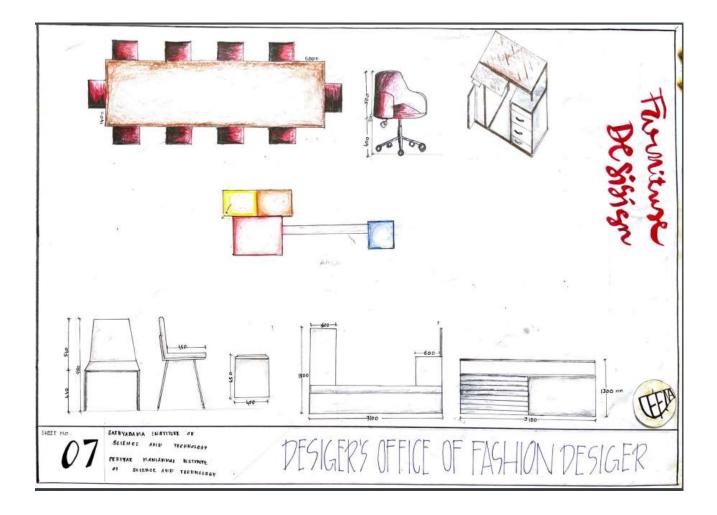












Attendance

	COLLABORATIVE STUDIO WORKSHOP CRAFTS IN TODAYS CONTEXT 16/08/2023 - 20/08/2023							
S.NO	STUDENT NAME	DAY 01 16/08/2023	DAY 02 17/08/2023	DAY 03 18/08/2023	DAY 04 19/08/2023	DAY 05 20/08/2023		
1	ALLWIN ROBERT M	P	P	P	A	P		
2	BONIGI LAKSHITHA	P	P	2	P	P		
3	DHANALAKSHMI, R	P	P	P	P	P		
4	DON FLEMING ABRAHAM. L.J.	P	p	P	P	P		
5	GOVIND. K	p	P	p	P	P		
6	KEERTHANA. S	P	p	P	P	P		
7	KSHIRAJA. V	P	P	P	P	P		
8	LAKSHMI. B	P	P	P	P	P		
9	LEANDRA MERLIN GOMES. L	P	P	P	P	P		
10	NIVETHA. K	P	P	P	P	P		
11	PRAVEEN. V	P	P	P	P	P		
12	SAMYUKTHA .P.R	P	p	P	P	P		
13	SANTHOSH, R	P	P	P	P	P		
14	SRI HARINI. B	P	P	P	P	P		
15	SWETHAA SIVAKUMAR	P	P	P	P	P		
16	VIGNESHWARAN. M	P	P	P	P	P		
17	BATRA KANNAALAN R.A	P	P	P	P	P		
18	FARAH MOHAMED PEER MOHAMED	P	p	P	P	P		
19	JEEVISHRI S	P	p	P	P	P		

			TS IN TODAYS CON 08/2023 - 20/08/20			
S.NO		DAY 01 . 16/08/2023	DAY 02 17/08/2023	DAY 03	DAY 04	DAY 05 20/08/2023
20	KAVYA B	P	P	P	P	20/00/2023
21	KURICHETI VENKATA KASIM	ę	P	A	P	P
22	LAAVANYA R	P	P	P	P	r r
23	SWETHA R	P	P	P	P	P
24	VARSHINI R	P	\$	P	P	r P
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		Year/Semester: II / III	DAY 01	DAY 02 17/08/2023	DAY 03	DAY 04 19/08/2023	DAY 05 20/08/2023		
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4	122012001925	AKASH BHARATHI V	1 time	V.That	Viama	10-	00		
5	122012001926	ARUNMOZHI VARMAN K	de	Ma	alt	4	A		
6	122012001927	BHARATH R			Provel R	Brat R	Asiabal R.		
7	122011001928	BRAHATHEESVARIR	Anabal R	Braty R	-rapagenta.	T. Bay have	1 Dort		
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20	122011001943	NASHA FIRDOUS S	Nebel	Nur	- And	Ming	1 1 K K K		
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23	122012001946	PRAVEEN S	Prof +.8	Diefris	Churchel . A	Pall A	all'A		
24	122012001947	RAKESH A	Katoff A	Kusht A	B.Rehat	B. Robit	B. Pohit		
25	122012001948	ROHIT SAMUEL B	B. p. deft	B. Petit	B.Kelino	5-Som	S. They;		
26	122011001949	SAHANA S	5. Shim	Sal	a Satta	3. Salas	S. Satstat		
27	122011001950	SAKTIESWARI S	3. Salyat	3. Sattat	R Mandacture	B. Bheamsterly	B. Thining alleys		
28	122011001951	SHERIN NACHIYA B	B. Show fasting	B. Alerra actury	Depteringacity	A			
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30	122012001953	SRIRAM S	aft	abl	et t	9 4	Lato		
31	122011001954	SUBHIKSHA S	Settitet	Suth	Southe	1/1			
32	122012001955	SUDHARSAN R		0 0/10	D.SUE	D-Sweff	D.Slot		
33	122011001956	SWASTI/IKA D	D.Super	D.Swel	D. They	Dilhul	A. ihul		
34	122012001957	THAWFEEQ A	ASIL	A Think	attimo	Athun	Attoms		
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38	122012001961	VIVEHANANDHAHN M	Colly .	Le all	F.S. AFNU	. J. C. KANT	-P.S-Livill		
39	122011001962	ZAITHOON SHAHANI J S	J.ST THU.	J. J. J. Frank	0	JH 1	Record		
40	122011001963	THIRUVEMPAVAI J	Thinyers	thinwen	this were	B. All A.	E The Angel		
41	122012001965	DHAMODARAN B	BOLLA	BALL	B-PLLA	D'There	- Citra		
42	122012001966	SRIDHAR E	-hm-	m	m	m	Lin		

(c. Jumeraly)

Feed Back

Collaborative of tudio workshop foodback

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Farah Mohaned II'd year B.DES. In these 5 days we learnt many things about time management, teamwork. and traditions and culture of Tanjore. I will eavy these lessons in the future with me and am grateful for the chance to work with new students

CHAPTER 11

GREEN BUILDING MATERIALS (GBM)

Suganthi Subramanian Assistant Professor, Department of Architecture, Periyar Maniammai Institute of Science & Technology (Deemed to be University), Vallam, Thanjavur.

Kalaivani Rajendran, Assistant Professor, Department of Architecture, Periyar Maniammai Institute of Science & Technology (Deemed to be University), Vallam, Thanjavur.

ABSTRACT:

The rapid urbanization that is taking place across the country results in the construction industry being forced to contend with an increasing number of significant environmental challenges. There has been an increase in the demand for buildings, which has led to an increase in the consumption of energy, resources, and raw materials. This has resulted in an increase in the emission of CO2, which is harmful to both people and the environment. It is necessary for us to learn how to use products that are friendlier to the environment if we are going to be able to reverse the wide range of negative effects that are currently being seen on the planet. Both inside and outside, it contributes to the contaminants that are found in the indoor air. Green building materials (GBMs) with non-toxic, natural, and organic chemicals have the potential to lessen their overall effects on both the health of humans and the environment. This is because GBMs have the capability of contributing to sustainable development (SD). This article primarily introduces the concept of GBMs (Green Building Materials), as well as the benefits of using these materials, and a few different varieties that are being utilized by Indian architects. The goal of doing so is to provide readers with a more in-depth understanding of this category of materials. This also addresses the problems that have been caused by using GBM in the construction of buildings.

1. INTRODUCTION

Buildings must be environmentally friendly because they use a lot of natural resources. In India's construction soctor green and sustainable structures are currently necessary. Sustainable design has become more and more well-liked among architects and 104

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 aesthetical 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.

42