Report

Collaborative workshop on Building Envelope Design

Organized by School of Architecture, REVA University, Bangalore, India.

Course Title: ***Environmental Design Studio 1***
Studio Incharge; ***Ar.Kiruthika selvi K J, Ar. Kokhil S***
Attended by: ***Students of M.Arch***
Date of the Workshop: ***05.03.2022***
Faculty Coordinator: ***Ar. Kokhil S***
Venue: ***School of Architecture and Building Environment, Sathyabama University, Chennai.***

Building façade system influences the indoor environment of the occupants hence to accommodate a healthy environments which help to foster the biodiversity and ecosystem. Exploring possibility of a collaborative workshop on Building Envelope Design……

Workshop Overview: As part of M.Arch- Environmental Design Studio School of Architecture, REVA University collaborated with Sathyabama University, school of architecture and building environment for a workshop on Building Envelope Design. The workshop was conducted to explore and understand the ability of the facade system.

Objective: Students of 1st semester M.Arch visited Sathyabama University campus on 5th March 2022 for a one-day workshop. The objective of the workshop is to acquire domain knowledge on topics such as climate analysis, shading analysis, heat transfer and to understand the process of measuring the various parameters.

Resource persons: ***Ar. Catherine & Ar. Kavita (Asso prof. Sathyabama University)***

Session 1: Online Session on Heat recovery globe Temperature meter readings and Calculations.

Session 2: The students were trained by the faculty of Sathyabama University and instructed the students to measure the variables like temperature, relative humidity, air velocities, Lux and solar radiation with their instruments to understand better the features of a Building Envelope which strongly affects the visual, thermal comfort of the occupants and its energy consumption.

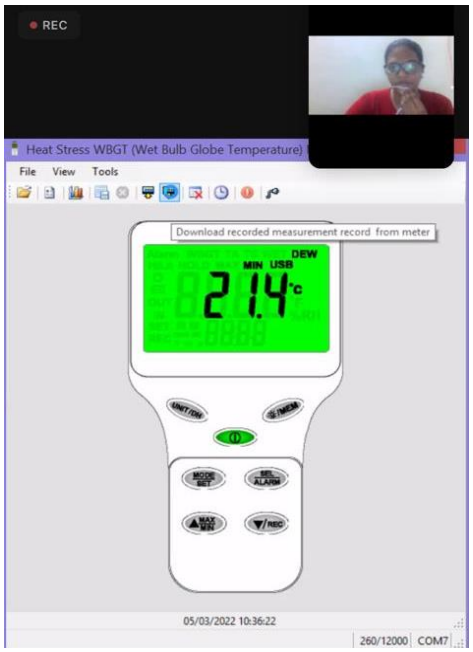
Learning Outcomes:

- The students were able to acquire the domain knowledge of the climatic and environmental factors that affects or minimizes energy in the built form.
- Experimenting with the instruments and measure the readings of the variables like temperature, relative humidity, air velocities, Lux, solar radiation.
- Software Competencies used to assess the measurements to conduct energy simulation.

Feedback:
Mr. Nikhil ; was a great oppurtunity to learn the hands-on techniques of readings
Ms. Navneet Gaba: Very effective and informative workshop

Photographs are attached below:

Team of M.Arch students and the Faculty coordinators



Online Session

Instruments used for measuring

Students at site reading the Instruments

Classroom readings with occupants

Sathyabama UniversityCampus