

IES VE

IES is world's leading provider of integrated performance analysis software and consulting services for sustainable building design.

The **IES VIRTUAL ENVIRONMENT** (IESVE), a super advanced model capable of absorbing information about your building, or building design, and the climate



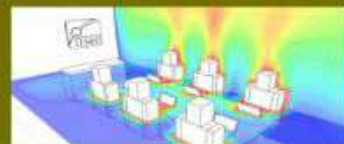
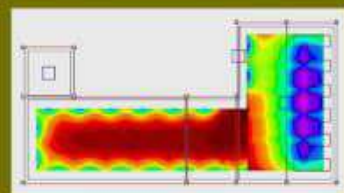
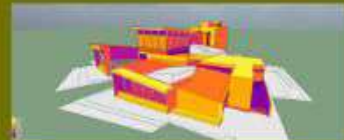
EARTHONOMIC is a leading energy and environmental consultancy based out of Chennai. Earthonomic team has been at the forefront of energy simulation and green building advisory and has executed in excess of 50 million square feet of buildings globally.

A 4 week online hands-on Training Program



hosted by
Department of Architecture,
Sathyabama Institute of Science and Technology
in collaboration with
Earthonomic Engineers
Coordinators
Ar.Sangavi | Ar.Ebin Horrison

Convener
Dr.Devyani Gangopadhyay
Dean, School of Building & Environment



DATES:

03rd & 04th AUG 2020
10th & 11th AUG 2020
17th & 18th AUG 2020
24th & 25th AUG 2020

TIME:

05:00 pm to 07:00 PM

COURSE FEE:

Rs.3000

WEEK 1 Introduction to Simulation Tool

DAY 1

| General Background Capabilities of the Simulation Tool - Presentation | Modelling (2BHK & Multi-storey Sample, Glazing etc) | Weather file assignment | Solar Shading & Sun Path Analysis

DAY 2

| Construction Parameters, Creation & Assignments of profile | Creation of assembly | Timing Profile | Solar Insolation | Impact of shading | **Assignment for Week 1**

WEEK 2 Lighting & Ventilation Simulation

DAY 1

| General Background - SHGC, U values, Properties, Artificial Lighting design calculation | Importance of Daylighting | Simulation Model - Flux DL, Fluxpro | Result Analysis |

DAY 2

| Ventilation Background (Cross Ventilation, ACH, Stack effect, Temperature, Health Quotient etc) | Macroflo Simulation | Result Analysis | **Assignment for Week 2**

WEEK 3 Materials & Energy Simulation

DAY 1

| General Background - Importance of materials | Tonnage calculation | Energy, Net Zero, ECBC |

DAY 2

| Materials & Energy Simulation | Simulation Model - Apache, Vistapro | Result Analysis | **Assignment for Week 3**

WEEK 4 Thermal Comfort & CFD

DAY 1

| General Background - Factors influencing thermal comfort (Air temperature, Humidity, Clothing, Activity,) | PMV, PPD | Simulation Model | Result Analysis |

DAY 2

| Introduction to CFD | Basic CFD Simulation | Result Analysis | **Assignment for Week 4**

HIGHLIGHTS of the Training Program

Training software worth approx. Rs. 10 lacs available to students for a period of 1 Month

Module-wise Hands on training with case studies for a total duration of 16 hours

An introduction to the industry requirements and competencies

Training Participation Certificate & Hands on experience

PATRONS

DR. MARIAZEENA JOHNSON
Chancellor
Sathyabama Institute of Science And Technology

DR. MARIE JOHNSON
President
Sathyabama Institute of Science And Technology

DR.T.SASIPRABHA
Vice Chancellor
Sathyabama Institute of Science And Technology



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with 'A' grade by NAAC

SATHYABAMA				
INSTITUTE OF SCIENCE & TECHNOLOGY				
SCHOOL OF BUILDING & ENVIRONMENT				
DEPARTMENT OF ARCHITECTURE				
IESVE- A 4 week Online Hands-on Training Program				
Date - 3/8/2020 to 25/8/2020		Co ordinators - Ar. Sanghavi.V.V & Ar. Ebin Horrison		
Si.No.	Name			
1	Priya Sasidharan			
2	Surya Rajkumar			
3	KARTHIKEYAN.K.H			
4	Ahamed Fazeel Akram H			
5	Shanmuggarani			
6	Keerthana Balabisehan			
7	Anbukarasi Perumal			
8	Ramansubramanian			
9	Jenin Stanley			
10	Anjali Sadanand			
11	Riyaz Mohamed			
12	Karthickbabu			
13	LILLY ROSE A			
14	Abiraami Kosalraman			
15	Abinaya K			
16	Rishad Mufas			
17	kumudhavalli sasidhar			
18	Shruthilaxmi J			
19	Viswa Vikranth Mukala			
20	M. Shreenithi			
21	A K SATHISH KUMAR			
22	S.Kavitha			
23	Sheetal Amraotkar			
24	Thomas Varghese			
25	S.SWETHA			
26	Madhumitha.K			
27	S Catherine			
28	K.S.Asvika			
29	Abishek JL			
30	Niveatha Neelamegam			
31	Sanghavi.V.V			
32	Ebin Horrison			
33	Devyani Gangopadyay			
34	Jhannu			