

GRASSHOPPER TRAINING FOR ARCHITECTURE

Re-Imagining Parametric Design Workshop

DESCRIPTION

Grasshopper for Architecture explores design challenges and helps to Design, Construct, Model, Analyze and present.

Grasshopper is a visual programming platform which allows to Generate, Manipulate and automate Data. The participants will be guided in developing skills on computational design and parametric approaches which will lead to form finding and optimization through various parameters.

Our vision is to develop intuitive modeling skills in a logical way which helps in the development of computational modeling for conceptual and detailed design.

- Understand the competence of Grasshopper in Architecture
- Explore native tools of Grasshopper along with Paneling tools plugin
- Understanding Grasshopper and its relation to Rhino3D
- Understanding logics and Managing Data in Grasshopper
- Generation of Geometric patterns and Iterations for facades

TUTORS

Yokes Marapa L S

Founder | Training Manager
Lead Trainer for Rhino3D at YAFT Designs

<https://www.linkedin.com/in/yokes-marapa-791b06216/>

COURSE STRUCTURE:

In this course, Participants will be exploring and developing critical geometries and advanced logics in Grasshopper.

The advanced session also employs Plugins like Paneling tools which supports intuitive design of panelling concepts as well as helps rationalize complex Products.

COURSE DURATION:

6 Days / 6 Hours a day (Total - 36 Hours)

COURSE SCHEDULE:

Dates	Description	Trainer
Day 01	Introduction to Grasshopper and Parametric thinking Understanding Grasshopper and its relation to Rhino3D Number Sequences	Yokes
Day 02	Introduction to Data Trees and Data Manangement List Management	Yokes
Day 03	Tree Management Attractor logics Data Dynamic Remapping	Yokes
Day 04	Understanding Surfaces Surface Creations	Yokes
Day 05	Surface Mapping, Isotrim Morphing Techniques	Yokes
Day 06	Plugins and Analysis Visualising Data , Open Nest , Lunchbox , Ladybug , Galopagus (Colors and Gradients)	Yokes

COURSE FEE : (*inclus. of all taxes*)

Description

Course Fee for Group Batch
(10% Discount for Students)

Course Fee for Personal Training

Total Amount

INR 25,000 /-

INR 28,000/-

COMPUTER REQUIREMENTS

We prefer Microsoft Windows OS.

https://www.rhino3d.com/system_requirements/

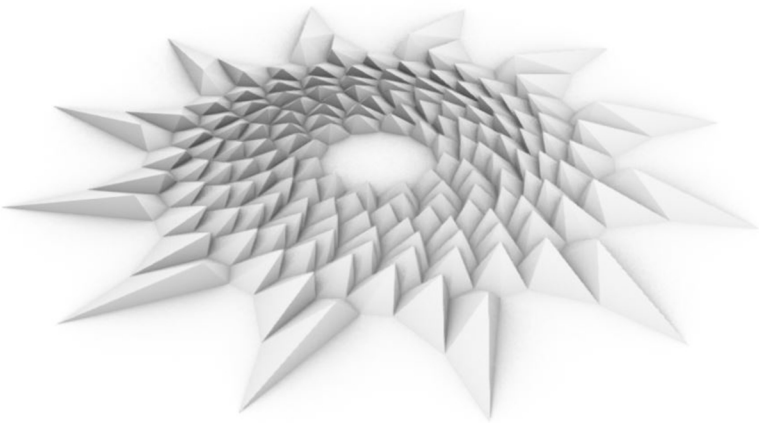
Computer / Laptop , Laptop charger, Mouse and Mouse pad is mandatory

TERMS AND CONDITIONS:

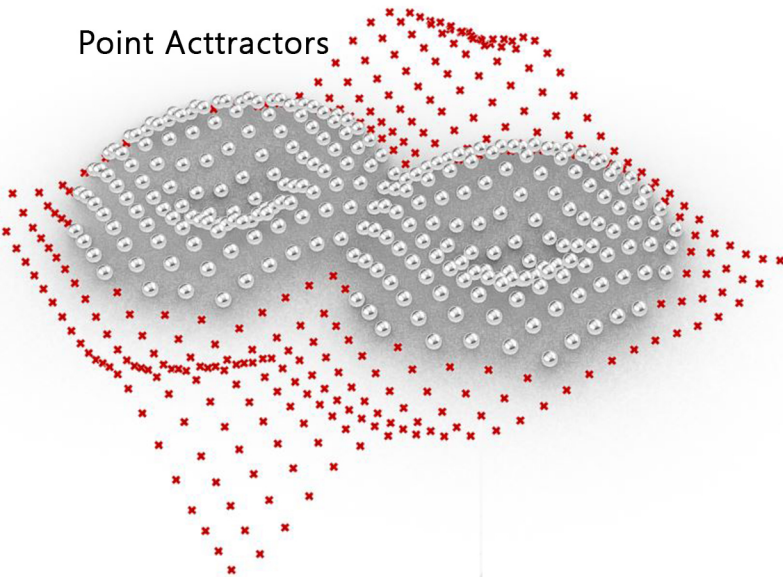
1. Taxes will be applicable to the above charges.
2. Payment terms:
60% Advance Payment upon blocking of Dates.
40% Upon commencement of classes.
3. Payments can be done by NEFT
Account No. 923020024949657
Account Name: YAFT DESIGNS
Bank: Axis Bank
Branch: NASIYANUR , ERODE
IFSC CODE: UTIB0001293



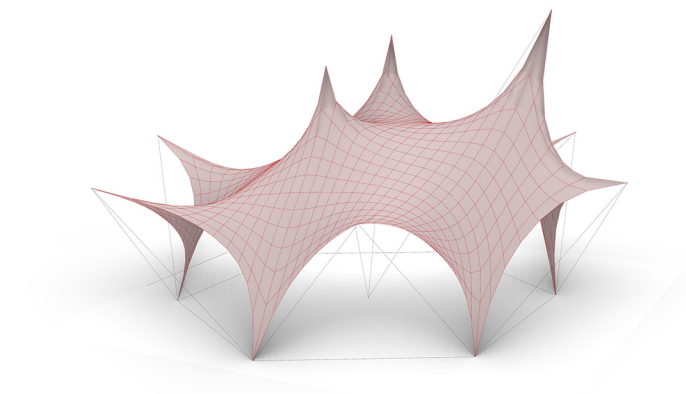
Voronoi and patterns



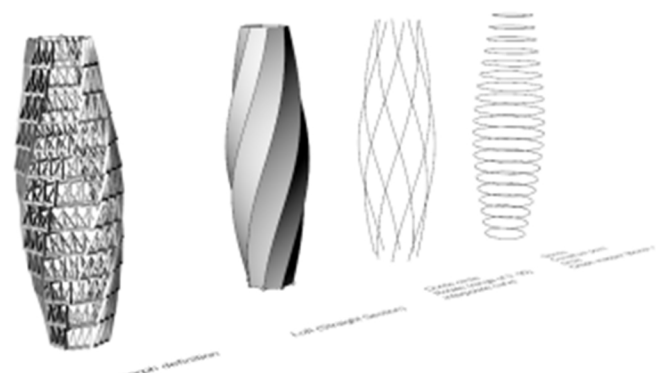
Point Attractors

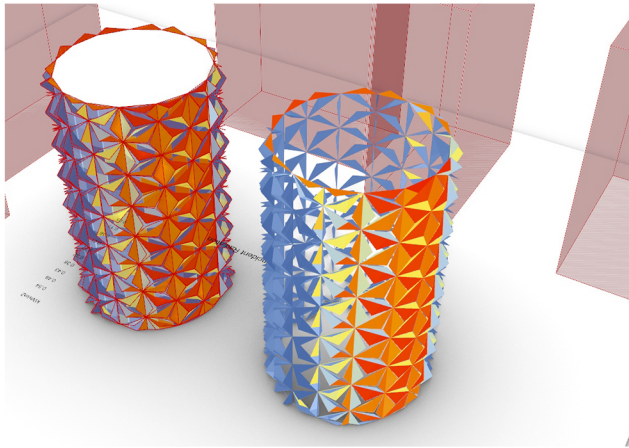


Kangaroo Physics Sim- Tensile structures

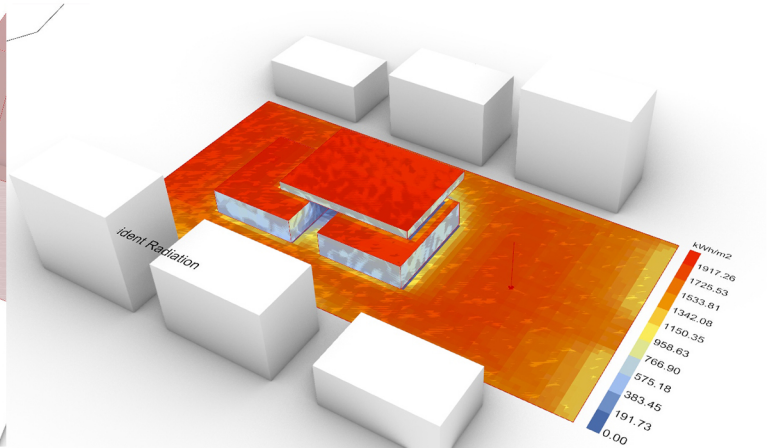


Cuiling and Vector Fields

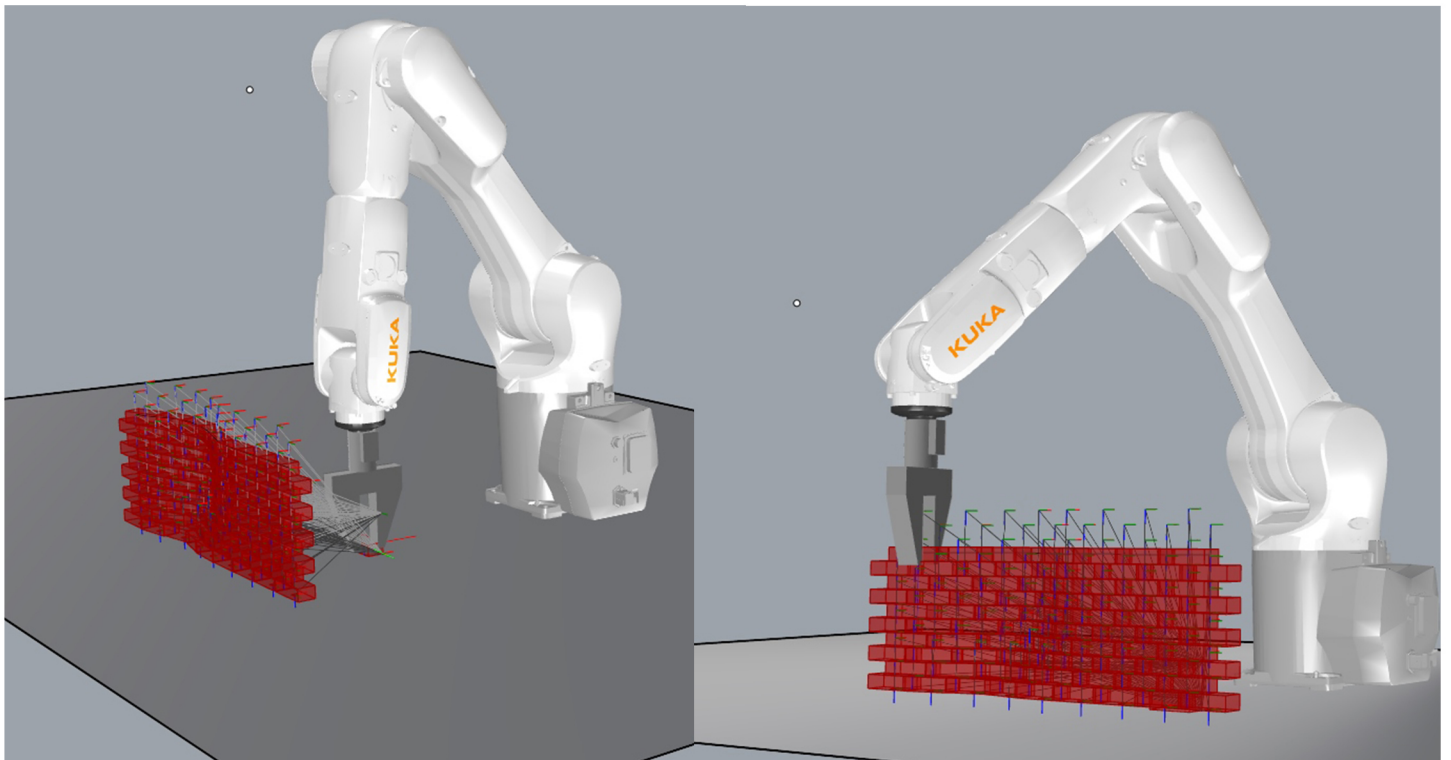




Kinetic Facade



Facade Optimisation Using LadyBud climate analysis



5axis - robotic arm KUKA programing through grasshopper and generate gcode