

Oritecture Workshop

Activity Report

Part I

1. **Name of the Event:** Oritecture Workshop
2. **Place and Date of the Event:** 17th, 18th and 19th January 2020, School of Art and Architecture, Sushant University
3. **Organizing Team and Collaborators:** Oneistox with Sushant School of Art and Architecture
4. **Audience and Participants:** Students and professionals from all over India

Part II

5. **Goal/ Purpose of the Event/ Brief of the event:** A hand on workshop on Oritecture was organised by Oneistox with mentor Mr. Ankon Mitra on 17th, 18th and 19th January 2020. The workshop focussed on experimenting with Origami basics as well as advanced forms. Participants created forms with materials such as Paper, Wood, Plastic and Fabric. The success of the workshop lied on the multidisciplinary approach with designs ranging from a flat pack shelter to jewellery design.

Mentor | Ankon Mitra, Design Director (Landscape), at Hexagramm Design Pvt. Ltd

Ankon Mitra an Architect by training and artist by temperament with keen interest in geometry and mathematics. He has intensive research in tessellating geometries folding processes in nature and origami in paper, Plastics and metals. Conducted scores of workshops in geometry and origami related to Fashion, Industrial design and Architecture.

Sushant School of Art and Architecture is proud to collaborate with Oneistox for this interesting workshop.

6. **Materials/ Facilities used:**
 - a) IT requirement-Mic Podium, Speakers, Projector and HDMI cable
 - b) The workshop was conducted either in 3 Studio depending on their availability.
 - c) University Reprographic Center needs to be open during these days.
 - d) Lunch space near library

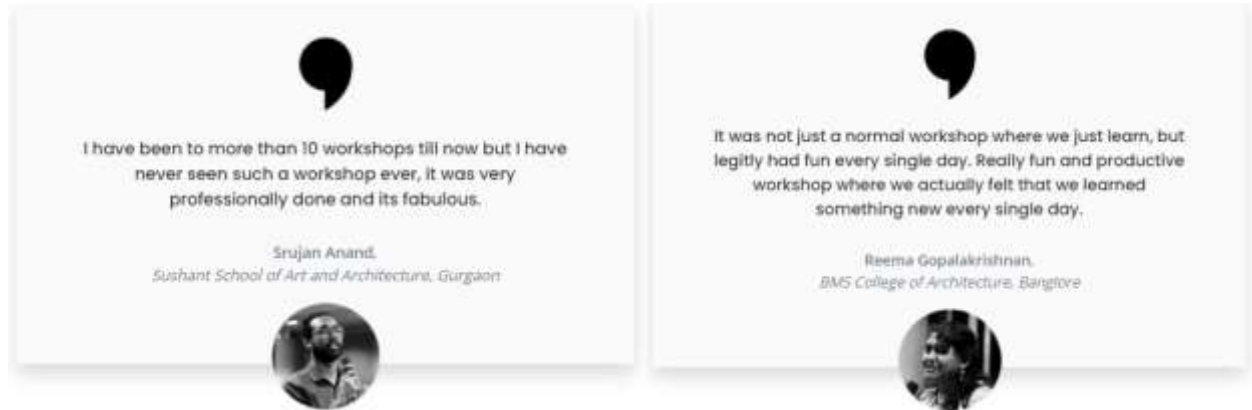
7. **Schedule of the event:**

6 Modules | 6 Tasks | 3 Days

01 Module	Overview Understanding Origami and hands on sessions creating hemispherical forms.	02 Module	Materiality Hands on session in experimenting with materials: Tyvek, Metal, Fabric, Plastic
03 Module	Kirigami Interactive session on creating surfaces and structures using kirigami techniques.	04 Module	Subtechniques and folding Introduction to helical and parabolic geometry.
05 Module	Digital Softwares A run through of three softwares used to create origami forms.	06 Module	Final challenge A nine hour challenge on rapid prototyping.

Part III

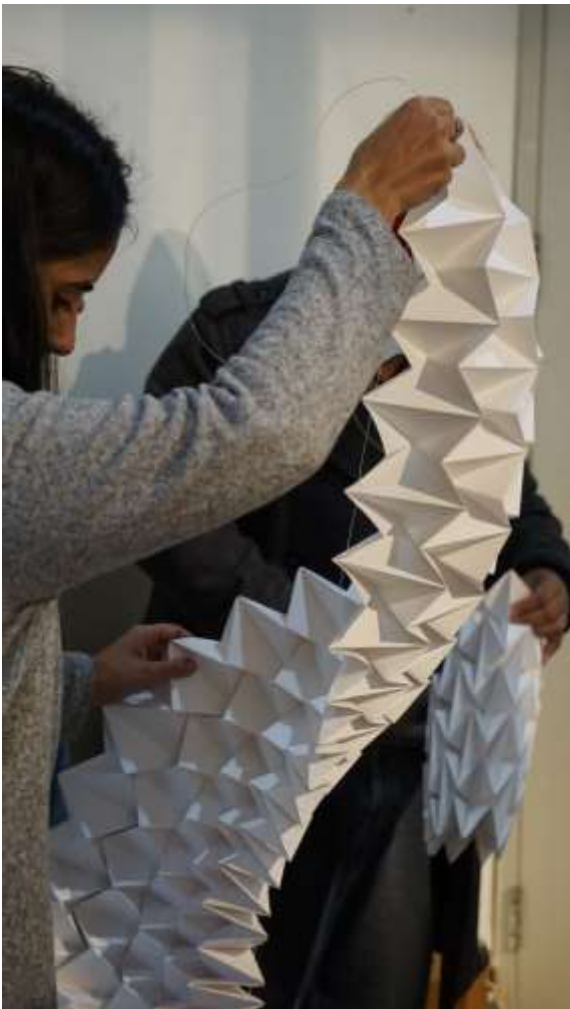
8. Summary of the proceeding:



9. List of Participants: Participant list attached

9. Images/ Pictures/ Posters related to the event







R. No	Name	EMAIL	MOBILE	GENDER	DSGNT	DAY	LUNCH
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	RITIKASINGHAL						✓

NOT COMING

NOT COMING/INFORM

MADHUKAR GUPTA
SUDI KSHA VERMA

AYAAN
HARKUN WAR

VIPANCHI HANDA
CHAITANYA

AKASH

INDIAN SEQUEL '19 SERIES

ORITECTURE WORKSHOP

Advanced Origami in Design



**“The possibility of
creation from
paper is infinite.”**

– Akira Yoshizawa



oneisto x

ORITECTURE

Advanced Origami in Design.

Introduction.

1. What is Oritecture?

Oritecture (Advanced origami in design) comes from the words - **Origami + Architecture**. Signifying the infinite possibilities of the same.

The 3 day Oritecture Workshop is your gateway into the most exciting new field of design research.

- **Revolutionizing Design**

While we think of origami as art, it is increasingly being used by companies and researchers in space, medicine, robotics, architecture, public safety and the military to solve vexing design problems, often to fit big things into small spaces.

- **A step forward in design research and exploration.**

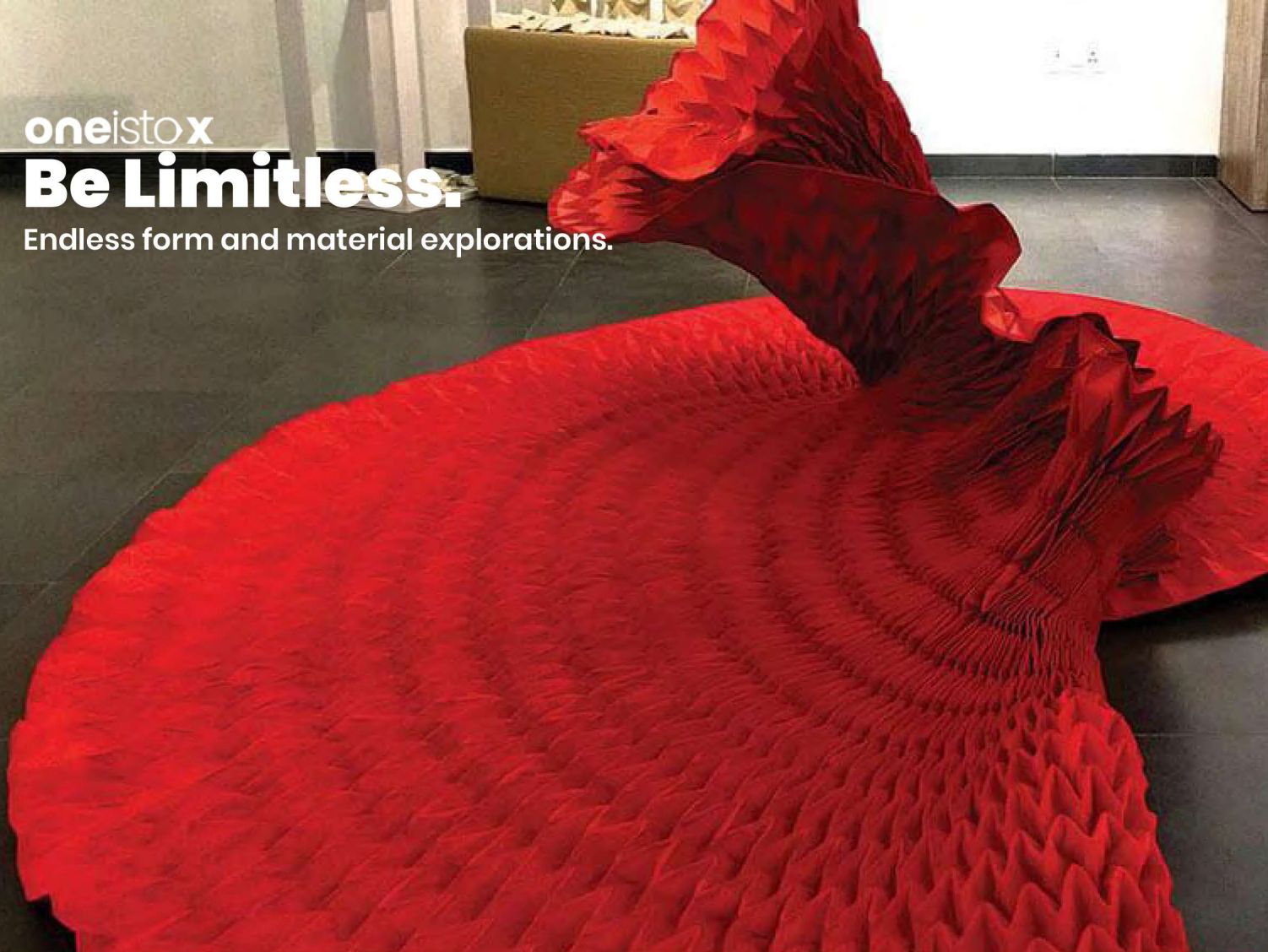
With Oritecture Workshop, **participants from all design backgrounds will get hands on experience in experimenting with basics as well as advanced techniques in Origami.**

Understanding and applying these basic logics to anything you make, will help you **stand out and push the envelope of design a bit further.**

oneisto x

Be Limitless.

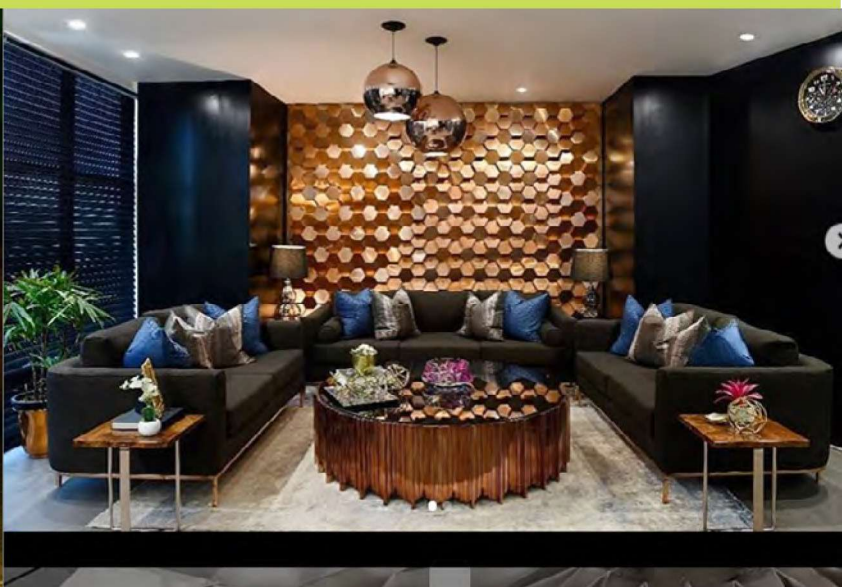
Endless form and material explorations.



2. Will I be folding Paper? What are the possibilities?

**Not just Paper.
Welcome, limitless
possibilities.**

You don't need to be a Master at Origami. Start this journey with us by experimenting with various origami folds and techniques. Experiment with materials such as **wood, plastic, Tyvek, and Fabric** so that your future possibilities of creation are limitless.



3. What to Expect from the workshop?



- **Crux of Origami**

Lecture and hands-on work to crack the basics of Origami design.



- **Folding Techniques**

An intensive coursework involving the techniques that go behind origami.



- **Explore Materiality**

Learn to apply origami techniques to varied materials like Tyvek, wood, paper & plastics.



- **Fabrication Techniques**

Be the first to learn an upcoming field of design. Get exposed & explore Oritecture design in India.

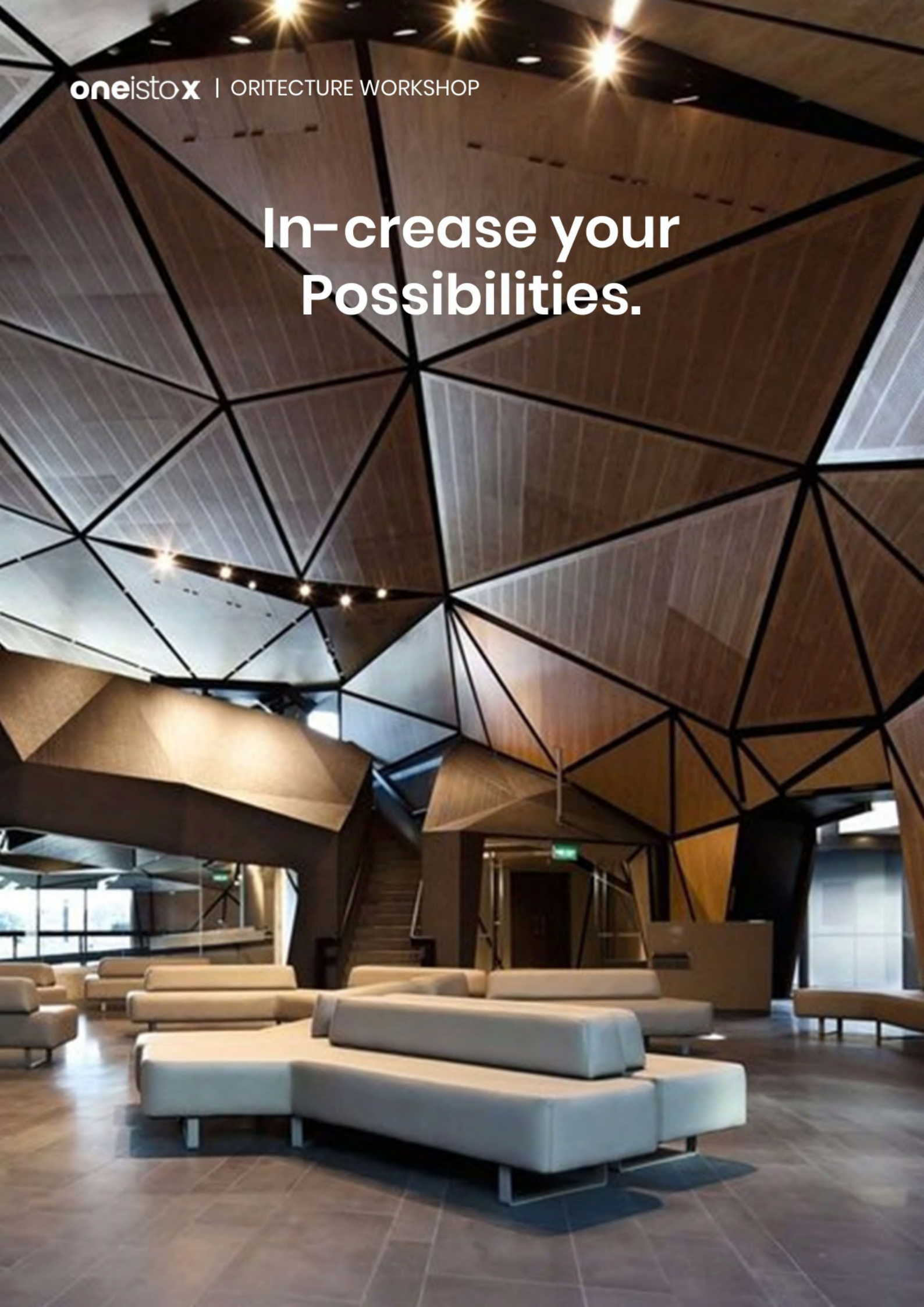


- **Add to Portfolio**

Final design output will range from a flat pack shelter to a chair design. You get to choose - what to build, and actually get all the assistance to help you make it.

oneistox | ORITECTURE WORKSHOP

**In-crease your
Possibilities.**



4. How do I know if this workshop is for me?

All Oneistox Workshops are open to all passionate learners. However, to keep things simple **you know this workshop is for you if you are:**

- **A Curious Enthusiast**

Interested in exploring Origami and its limitless possibilities in design.

- **Design Students and Professionals**

A must for design professionals and students who want to experiment with forms and materials.

- **A Creative mind**

All origami enthusiasts and creative minds from outside the design field are also welcome to experiment and learn.

- **Eager First - Timer**

You don't need to know Origami before-hand. As long as you are eager to learn, we always welcome you with open arms.



5. Who is the lead mentor for the Oritecture Workshop?

Mentor.

Meet Ankon Mitra.

Ankon Mitra is an architect by training and artist by temperament, with a keen interest in geometry & mathematics of nature.

Industry Expert.

A gold medalist (SPA, Delhi) and Director at Hexagramm Design Pvt. Ltd. he has an intensive research in tessellating geometries, folding processes in nature and Origami in paper, plastics and metals.

Leader in Origami Design.

He has conducted scores of workshops on geometry & origami related to Fashion, Industrial design and Architecture along with numerous event installations in India.



**Orchestrate
an idea.**

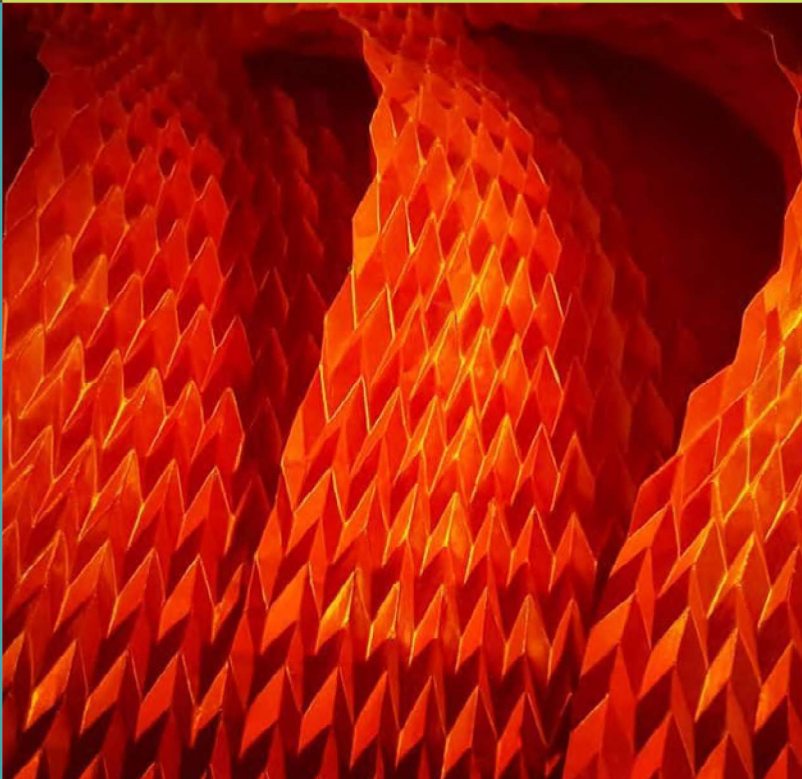


Mumbai

13-15th December
2019

Delhi

17 th – 19th January
2020



Bengaluru

February 2020

For more details of the venue and dates check - www.oneistox.in/oritecture
All mid semester workshops are conducted during Weekends.

6. What are the topics and studio schedule?

DAY 1: Overview

Basics and overview

- Origami in Design and Architecture
- **Hands- On Session 1** : Domes and Hemispherical Forms.
- **Hands- On Session 2** : Experimenting with Materials : Metal, Fabric, Plastic.

-----Lunch Break-----

- **Hands-on Session 3** : Working with Kirigami : as surface or as Structure
- **Interactive Video Session** : Summing up the day.

DAY 2: Experiment

Rapid Prototyping

- **Hands- On Session 4** : Introduction to sub-techniques : Helical Geometry
- Introduction to lighting Design.
- **Hands- On Session 5** : Digital to Physical - Origami Softwares Intro

-----Lunch Break-----

- **Video Session** : Le-Klint Tessellation
- **9 hour Challenge Introduction:** Briefing and Project Orientations.

Timings-
9:00 AM – 6:00 PM

Schedule.



DAY 3 : Create

Hands on Group Work.

- Finalization of Scaled Prototypes.
- **Hands on Session 6** : Laser-etching, cutting of Final project prototypes.

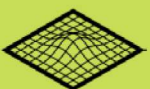
-----Lunch Break-----

- **Hands- On Session 7** : Construction of on site Origami Projects in Groups.
- Presentation of Final Projects
- **Closing Session** : Exhibition of the 9 hour Challenge.
- **Way Forward Session** : De-briefing and discussing the way forward.
- Prize Distribution Ceremony.

6. What are the learnings I shall walk away with?



- Confidence to create by applying principles of Origami.



- Understanding applications of Origami in design



- Hands on Experience in real time Origami Design Project



1. What is portfolio addition at the end of the 3 day Studio?

Origami Design.

The highlight of the workshop will be the challenging and interactive hands on **Fabrication and design of projects ranging from a flat pack shelter to jewellery design done by participants as a 9 hour challenge in groups.**

The Exercises will focus on concepts of proportion, structural morphology, symmetry /asymmetry and spaceform dichotomies.

Each individual will be given mentor ship to deliver these design outcomes.

We expect the outcome of these design problems to be of the best quality, something each student gets to add proudly to their portfolio.

- Packaging Design
- Flat Pack Shelter
- Apparel Design
- Column Design
- Origami Wall
- Bench Design
- Origami Chair
- Ceiling Lighting

Take Backs.

**Not just paper but
much more.**



Oru Kayak by Anton Willis

7. What is the Registration Timeline ?

Registrations are open till 2 weeks before the workshop date.

Please check

www.oneistox.in/oritecture to see when the registration in your city closes.

Registration Timeline(Mumbai) :



Early Registration Starts.

20th October - 17th November 2019

Standard Registration Starts.

18th November - 1st December 2019

Registration Ends.

11:59 IST 1st December 2019



More the Merrier.

Special Group discounts of **20% in groups of 4** for students of NASA, India affiliated colleges.



National
Association of
Students of
Architecture

Don't forget.

Log on to www.oneistox.in/Oritecture to see how many days are left for registration.

9.What are the steps for Registration?



1. Select City

Go to oneistox.in/Oritecture and choose between Mumbai, Delhi and Bengaluru.



2. Fill Registration Form

Answer a few questions to help us know you better.



3. Make Payments

Make payments to get confirmation. Check out Registrations Page for Group Discount.

9.What is the Tuition and Registration Fee?

	Early Registration	Standard Registration
Individual	₹ 9990 /person	₹ 12490 /person
Group of 4	₹ 7992 /person	₹ 9992 /person

Kindly Note :

1. A convenience fee as per payment partner will be charged on top of registration fee.
2. In case students are from our Venue Partners we provide Student waivers. Bona-fide Students can upon registrations enter their student ID to receive Special Link.



9. What is included in my Registration Fee?



Course Work + Catalogue

Course Catalogue for each student along with important tips and notes.



Tools+ Materials

All tools and materials to be used in the workshop to be provided by us.



Lunch + Tea/Coffee

Lunch and Tea/Coffee to be provided by is during the course of the workshop.

12 . Any last minute pointers?

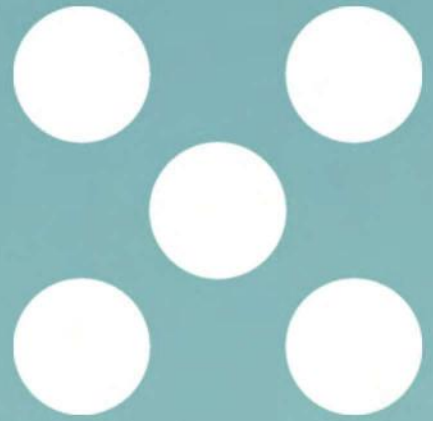
The Oritecture Workshop will be a 3 day long National Level Workshop happening in 3 cities.

- Participants to have a valid ID card.
- All participants to get their personal laptop for Day 2.
- Registrations are currently first come- first serve basis. Hence, no late entries after registration dates will be entertained.

Contact us

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