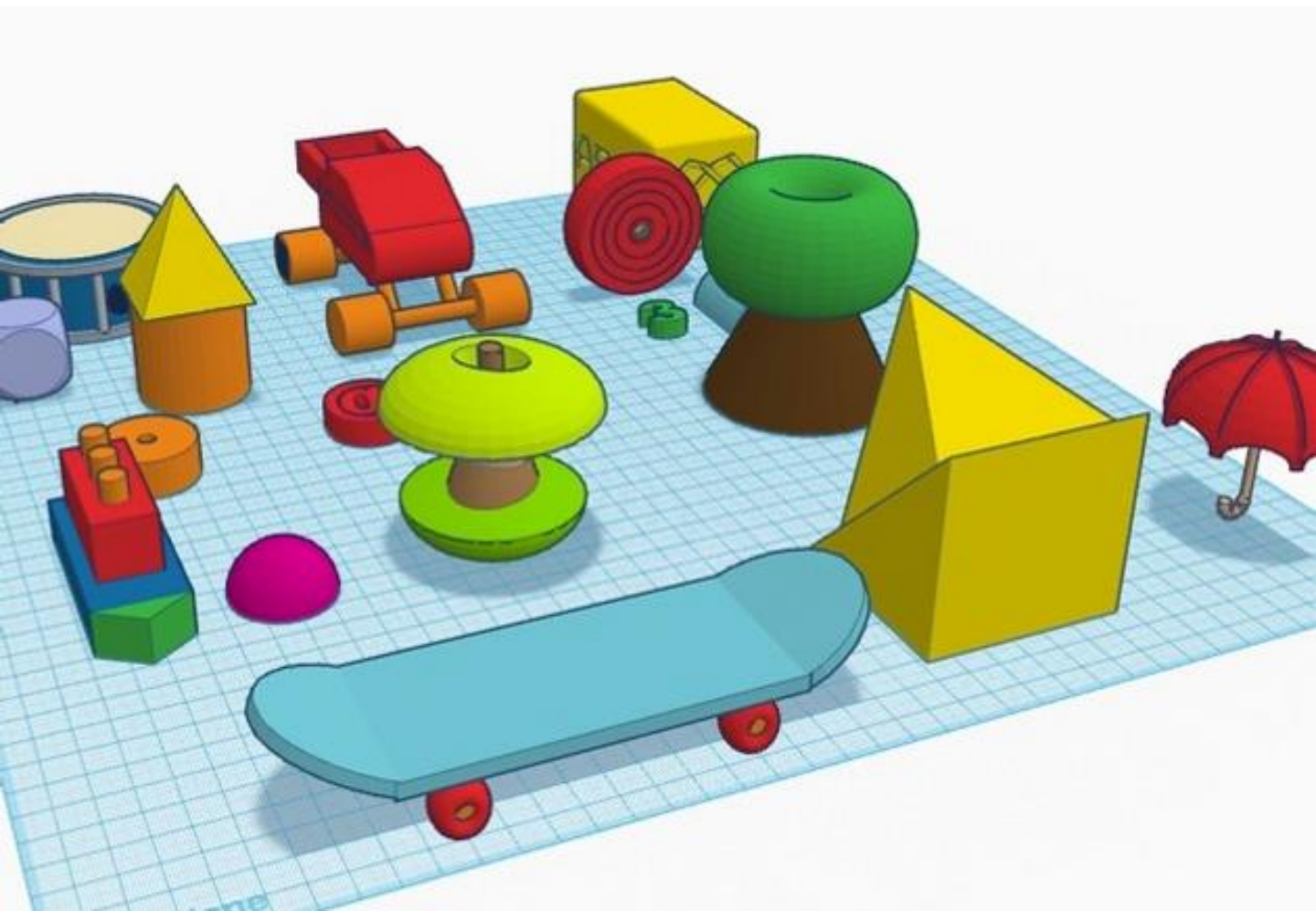




3D Design Using TinkerCAD

Ages 11+ Years

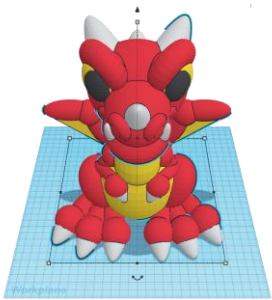


Plan Details

<div>BASIC 3D DESIGN</div> <div>₹ 4,800/-</div> <div>₹ 600 per class 8 Live 1:1 Classes</div>	<div>PRO 3D DESIGN</div> <div>₹ 19,200 ₹ 17,600/-</div> <div>₹ 550 per class 32 Live 1:1 Classes</div>
<ul style="list-style-type: none">✓ Covers beginner level concepts of 3D Design using TinkerCAD✓ 1 detailed assessment report✓ Creating basic 3D Design projects✓ 3D Designer Beginner Certification	<ul style="list-style-type: none">✓ Complete 3D Design Course using TinkerCAD (Module 1 to 4)✓ 20+ design projects from beginner to advanced level concepts✓ 3D Design web portfolio with your best designs✓ 4 detailed report with student progress✓ 3D Designer Pro Certificate

Cancel Anytime. 100% Refund. No questions asked

Course Details



3D DESIGN COURSE

Students learn the beginner to advanced level concepts on 3D Design and use it to build 20+ projects using TinkerCAD. All projects are then published online as part of student portfolio



PLATFORM USED

TinkerCAD platform has been developed by AUTO DESK and is one of the most popular tools online to start learning foundation level concepts in 3D Design

CURRICULUM – 32 sessions



- 3D Primitive shapes
- 3D manipulation
- Group & Align Tool
- Interaction b/w shapes
- Boolean Operations
- Compound Shaped
- Hollowing Out shapes
- Prism and Platonic Solids
- Paraboloid
- Shape Generators
- SVG Revolve
- 3D Shape Assembly

SKILLS DEVELOPED



- 3D Design
- Visual Storytelling
- Logical Thinking
- Synchronization
- Abstraction
- Algorithm Design
- Decomposition
- Creative Thinking

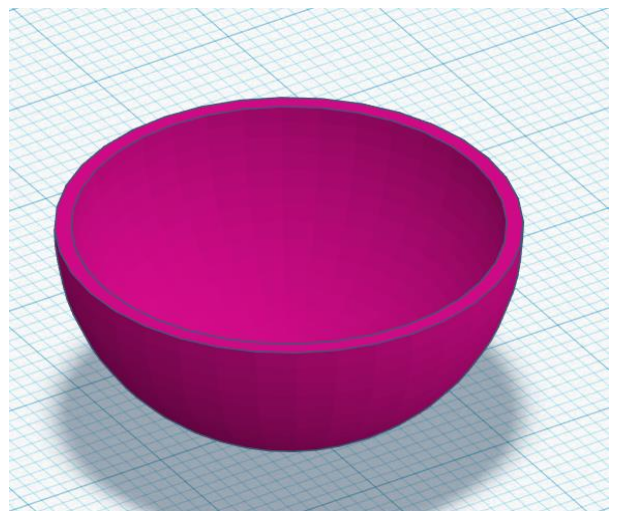
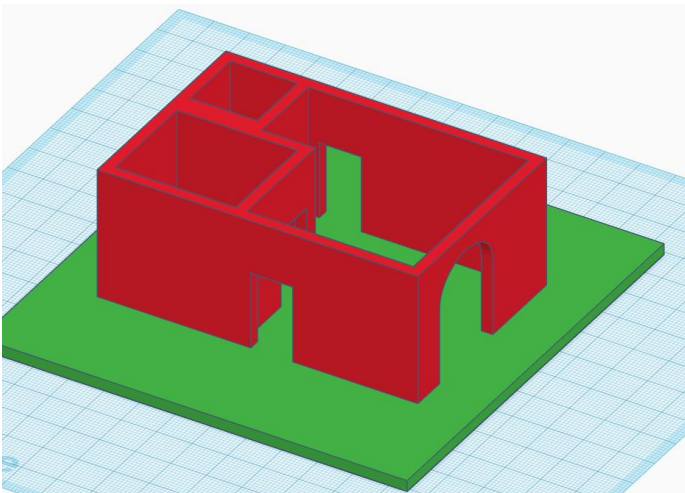
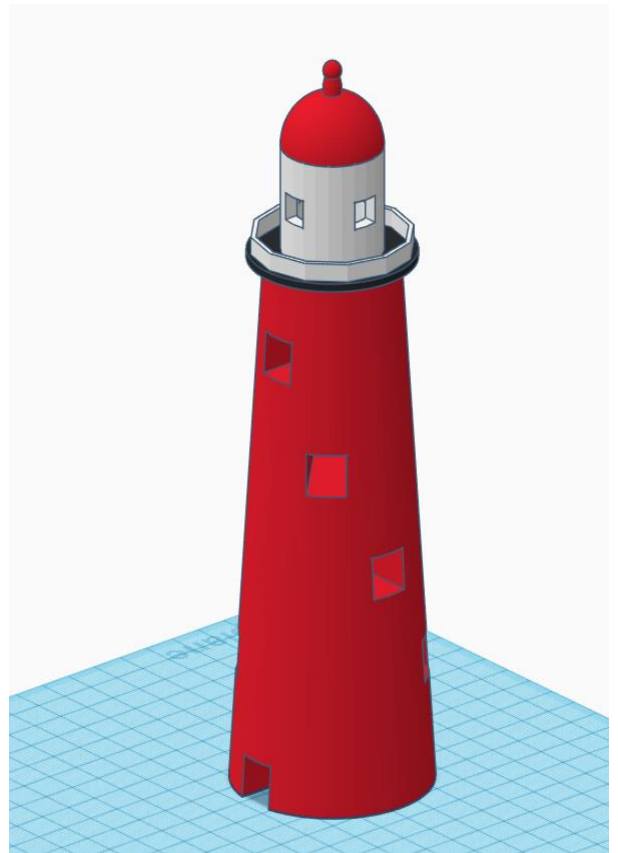
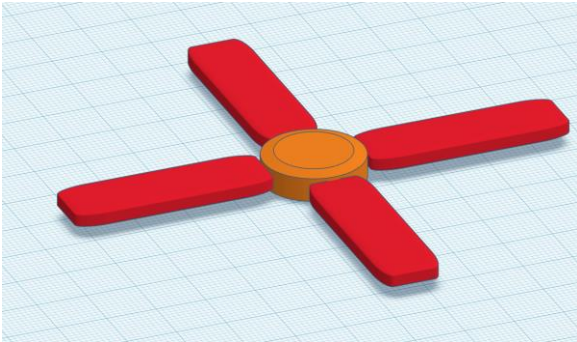
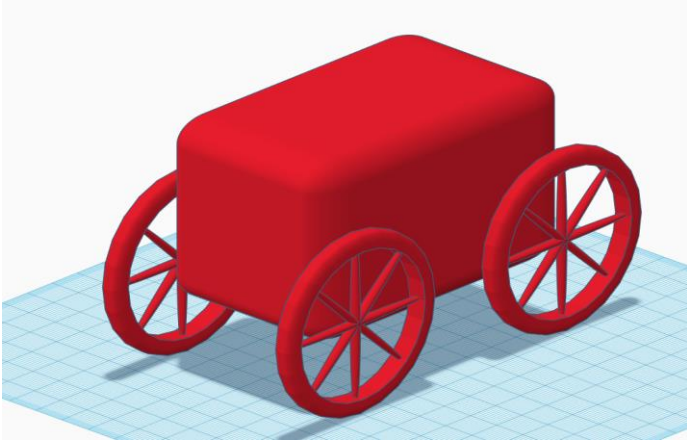
OUTPUT



- Space Station
- Light-house
- Teddy Bear
- 3D Drone
- Workman Tools
- Sports Car
- Whistle
- Eiffel Tower
- Aircraft
- Moon Rover

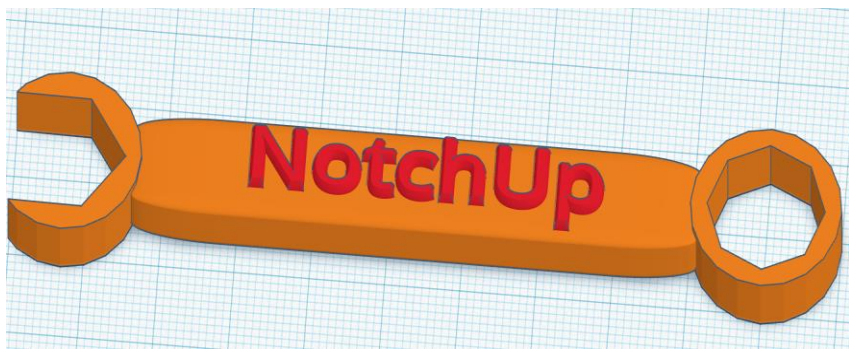
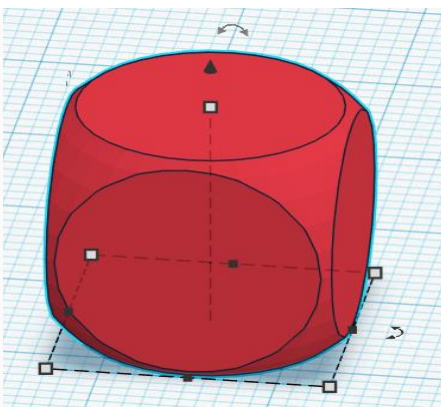
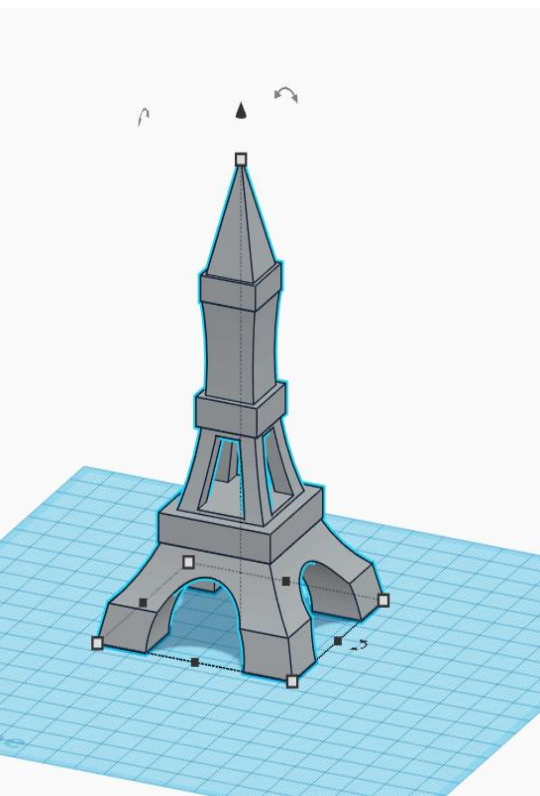
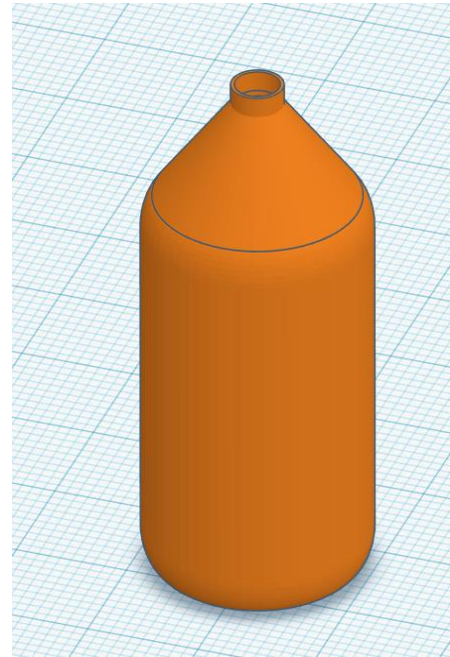
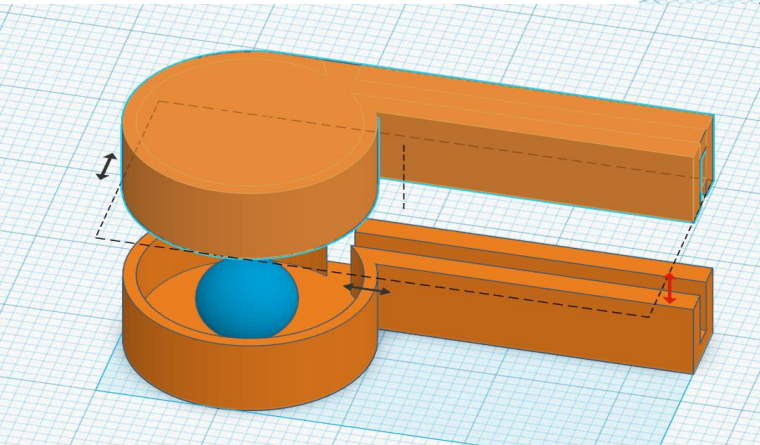
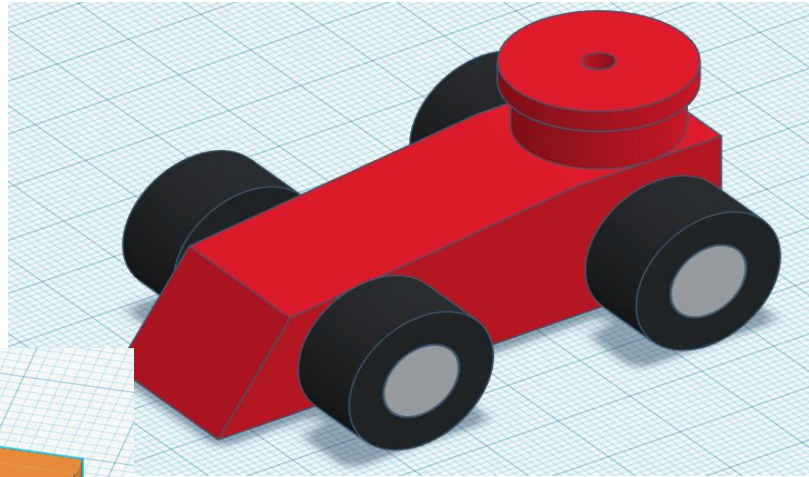
Module 1 : Basic Projects

In module 1, students will create some beginner level 3D Design such as Cart, Fan, Spoon, Bowl, Home and Lighthouse

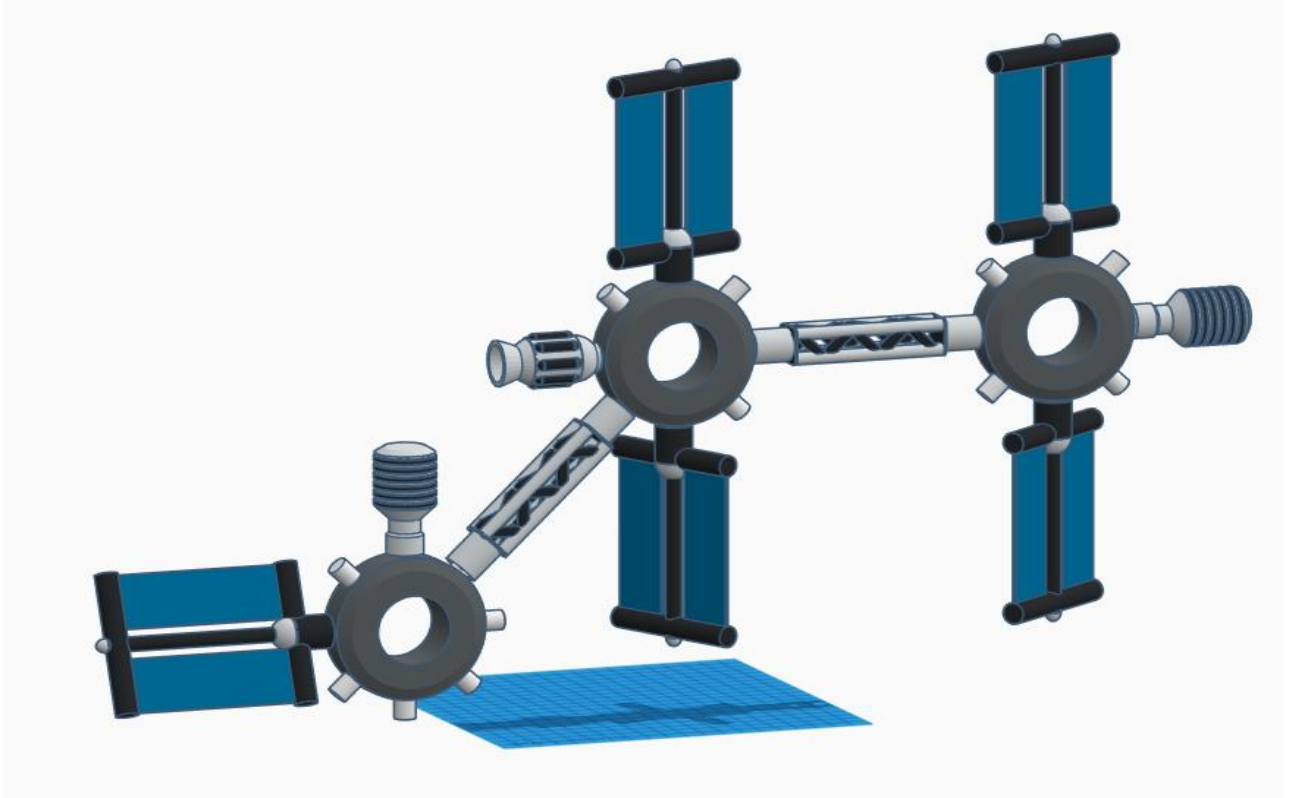


Module 2 : Intermediate Projects

In module 2, students will develop intermediate level 3D Design such as Car, Whistle, Dive, Wrench, Water Bottle and Eiffel Tower



Module 3 : Space Station Project

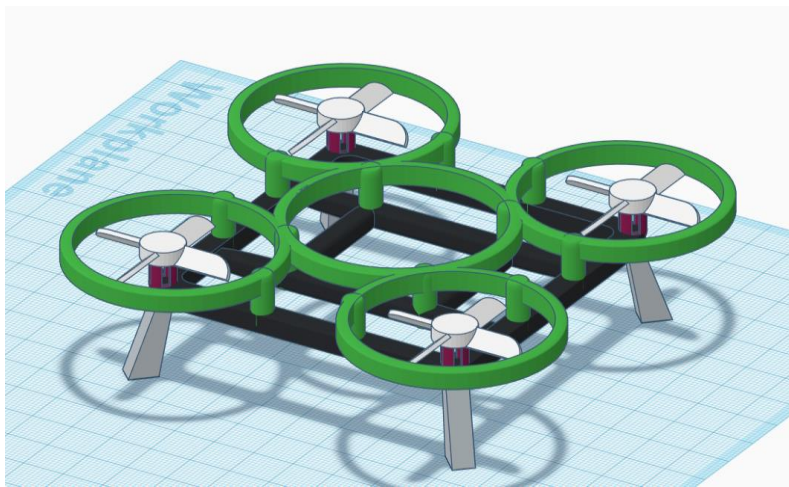
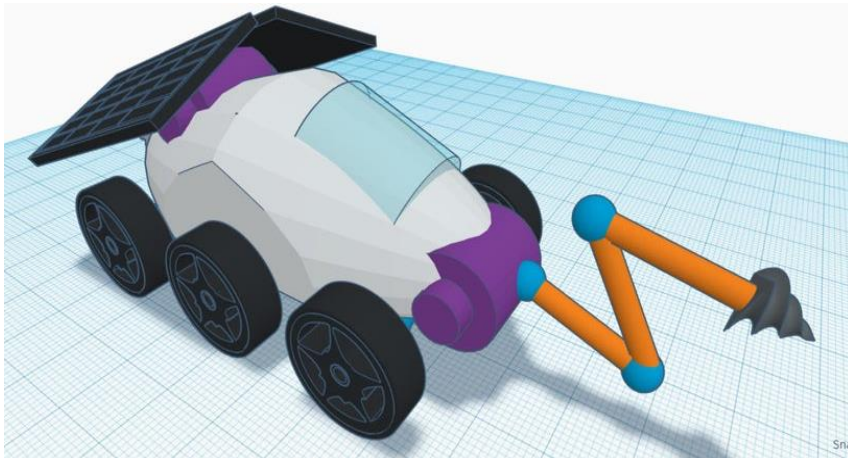
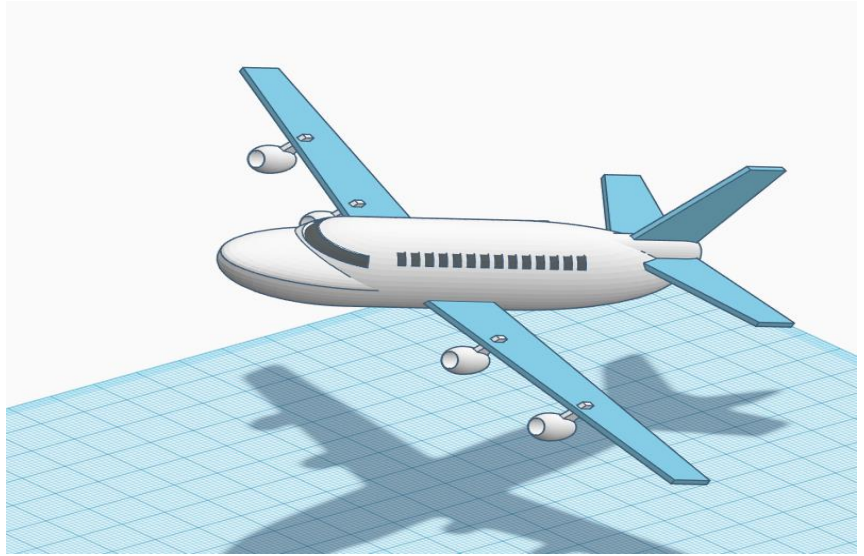


In module 3, students will first design Design and Build a 5 Part Space Station :

- Rocket
- Hub
- Solar Panels
- Research Module
- Space Station Truss
- Assembly

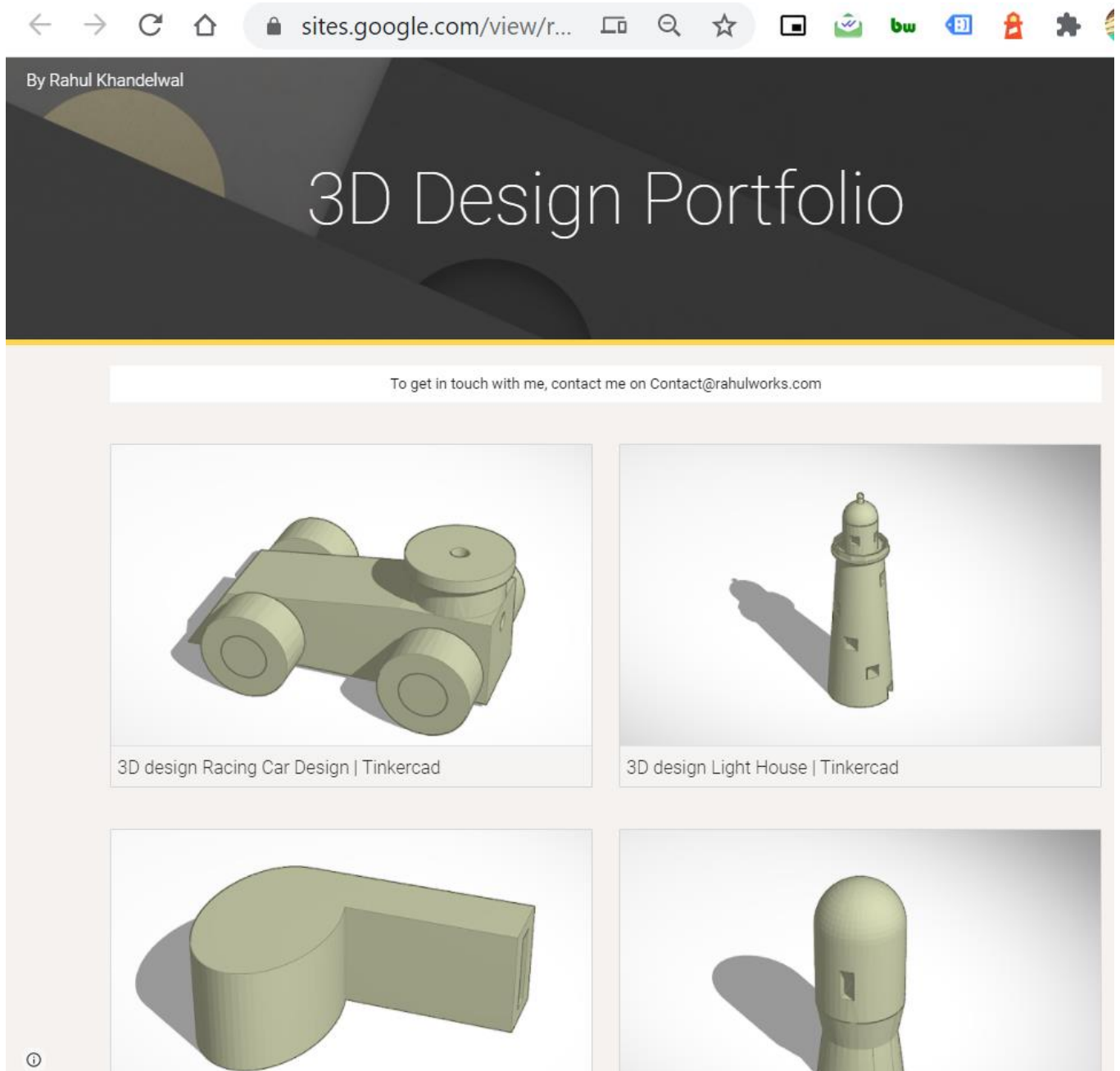
Module 4 : Advanced Projects

In Module 4, students will design more intricate design such as Aircraft, Moon Rover and Drone



Student Portfolio Website

After the completion of the 32 session course, we will help student to publish all projects online to create their Online Portfolio



Class Wise Topics (32 Classes)

Class #

Topic Covered

Class #

Topic Covered

MODULE 1 – INTROD TO 3D DESIGN

TRIAL

Create a Hut

1

Basics of 3D Design

2

Intro to 3D Primitive Shapes

3

Using Work plane Tool

4

Working with Symmetry

5

Grouping and Alignment

6

Interaction between shapes

7

Design a Light house

8

Design a complex home

MODULE 3 – BUILDING SPACE STATION

17

Revision Class

18

Intro to Paraboloid

19

Building a Rocket

20

Building a Hub

21

Building Solar Panels

22

Building Research module

23

Space Station Truss

24

Assembling Space Station

MODULE 2 – WORKING WITH BOOLEAN

9

Revision of concepts

10

Intro to Boolean Operations

11

Compound Shapes

12

Hollow and Walled Structures

13

Prism and Platonic Solids

14

Eiffel Tower Project

15

Whistle Project

16

Car Project

MODULE 4 –SHAPE GENERATOR LIBRARY

25

Revision Class

26

Shape generators + organic shape

27

SVG Revolve tool

28

Airplane Model Part 1

29

Airplane Model Part 2

30

Lunar Rover project Part 1

31

Lunar Rover Project part 2

32

Drone project

Why NotchUp



Adaptive Curriculum

Every child is different, so is their learning path



LIVE Online sessions in your **preferred language**



Flexible & Safe - Choose your preferred day/time, unlimited pauses



Gamified with rewards to keep children excited and engaged



Monthly detailed **progress report** to track your child's performance



Continuous **online support** for doubt resolution



Certification and courses designed by IIT-D, IIM-A alumni



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100% Money-back Guarantee on all online courses