

# Hi, I am Divyanshu K. Verma!

*\*All materials, sketches and photographs showcased in this portfolio are proprietary\**

## PORTFOLIO OVERVIEW

### 1. Inspirations, Research and Analysis

### 2. Hand-made Sculptures

- The Couch Chair
- Wing-Able
- Win-Ofa
- Wing Shelf

### 3. Product Designs

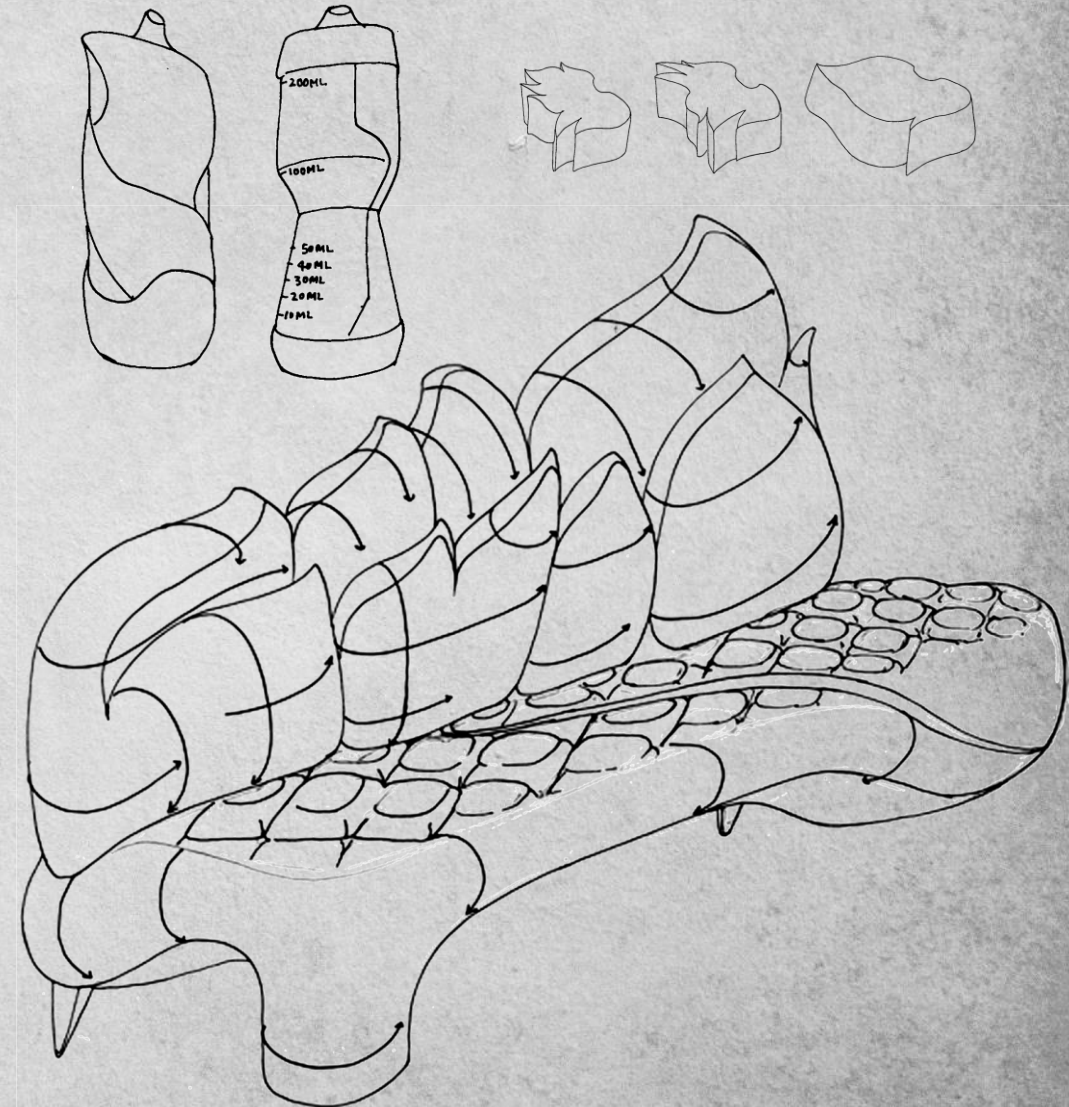
- The Sipper
- Earphones

### 4. Miscellaneous

### 5. Landscape Painting

### 6. Portraits

### Software used



# Inspiration

Birds play an essential role in the food chain alongside being diaphanous and incredibly attractive beings.

Several species of birds are now endangered and some on the verge of extinction due to mindless urbanization (harmful cell phone radiation, climate change, etc.).

This inspired me to make artworks related to birds to stress on their vital role and natural beauty through depiction of different sections of a bird's body.

As the technology is developing, it is causing further damage due to which birds are likely to get extinct really soon.

My motive is to spread awareness to people about this cause. By taking 'Bird Wings' as my main theme, I studied the wings of different species of birds and formed them broadly into 4 products. All these 4 products show resemblance of wings and are inspired from the folds and the textures of a wing.

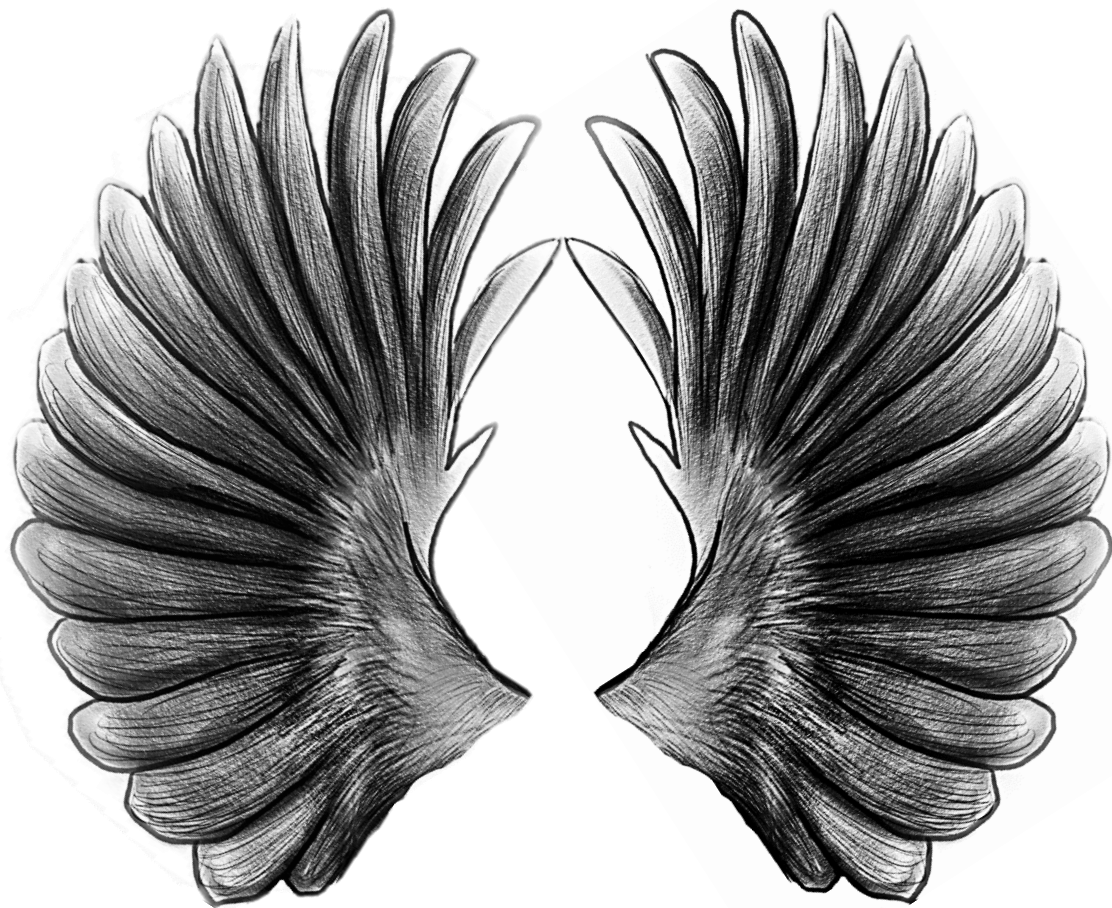


These are scanned images of my sketches on a Marker Paper

Medium - Charcoal  
Paper: Canson



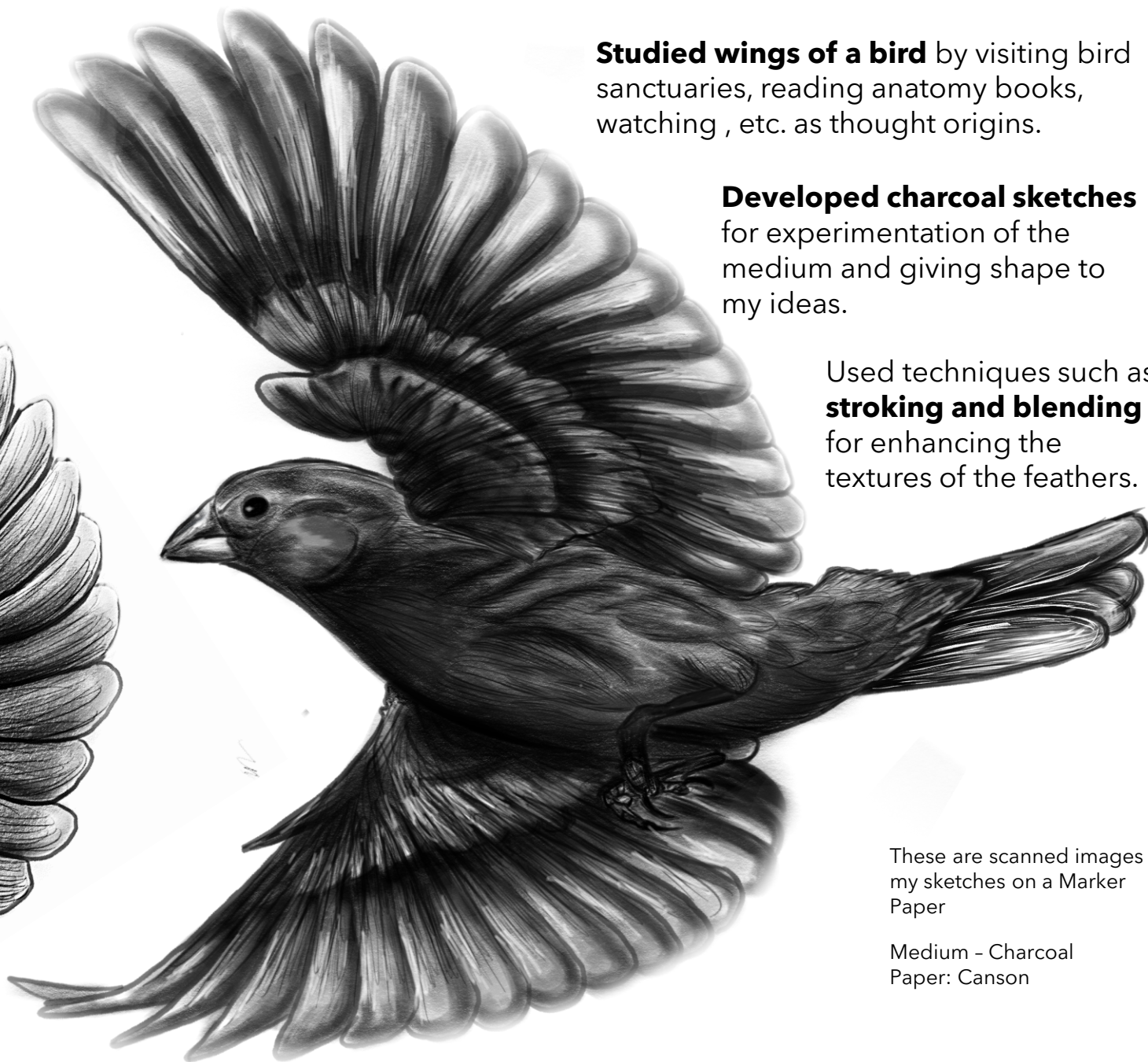
# Study/Research



**Studied wings of a bird** by visiting bird sanctuaries, reading anatomy books, watching , etc. as thought origins.

**Developed charcoal sketches** for experimentation of the medium and giving shape to my ideas.

Used techniques such as **stroking and blending** for enhancing the textures of the feathers.



These are scanned images of my sketches on a Marker Paper

Medium - Charcoal  
Paper: Canson



# Analysis

**Analysed wings of a swan and a sparrow** to understand the precise shape and form of wings to then potentially use these ideas for forming sculptures.



These are scanned images of my sketches on a Marker Paper

Medium - Charcoal  
Paper: Canson



# 1. WingAir

**Inspiration:** images and idols of Ganesha, a popular deity in India sparked ideas to design a couch in that shape and form while also adding touch of bird wings.

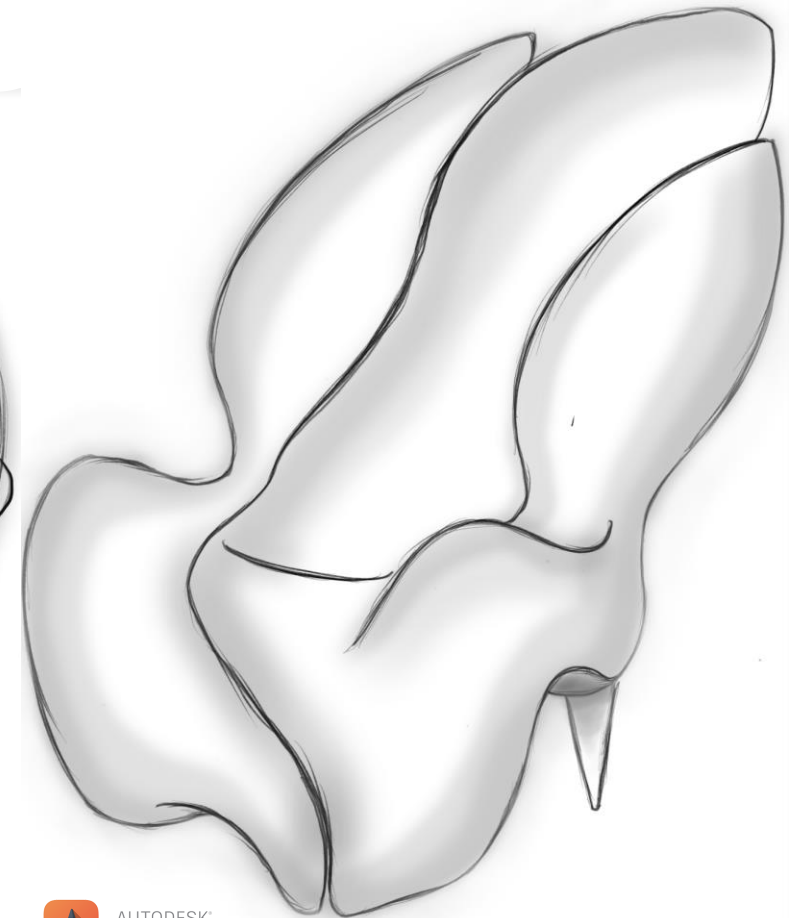
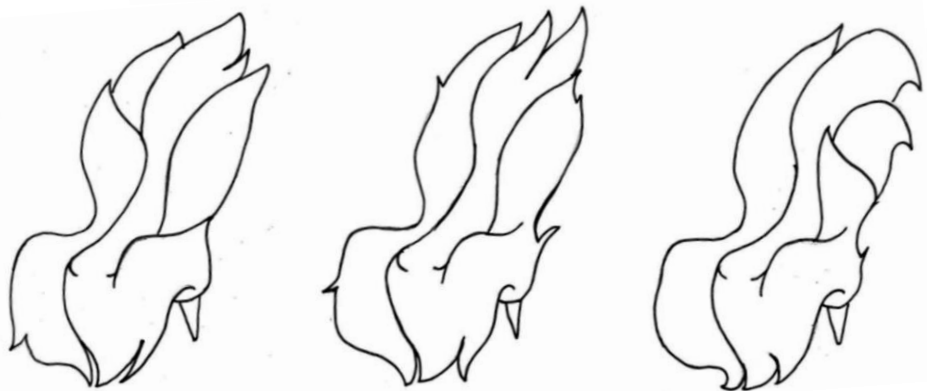
From sketching wings to forming it into 3D I started to experiment with the depths of a chair and how can I put it through a wing and then I started to design the chair



Ganesha,  
Hindu deity



These are scanned images of my sketches on a Marker Paper



AUTODESK  
SKETCHBOOK

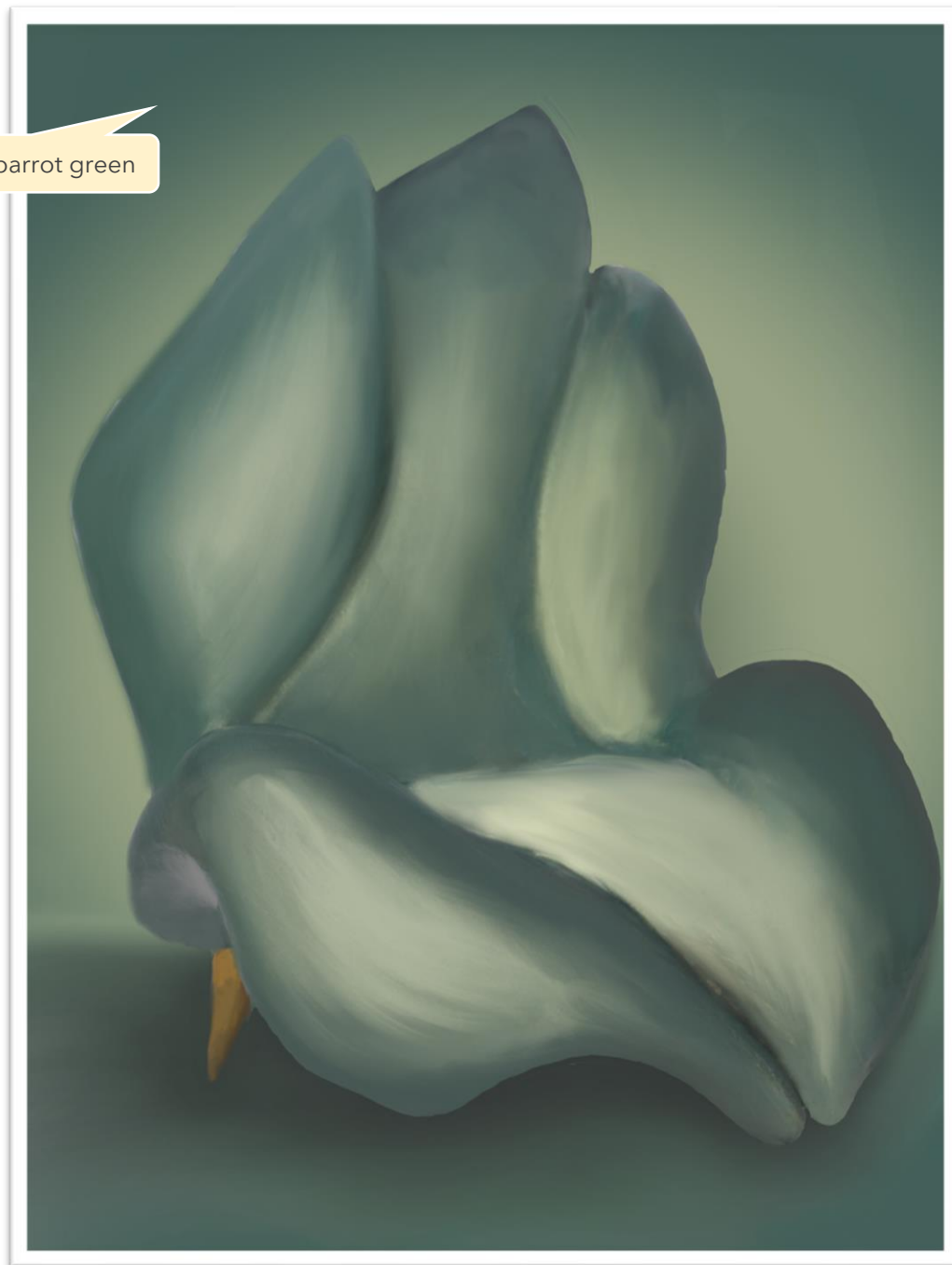


# 1. Rendering

**Rendered the sketches** to understand and improvise the designs. Also made a digital painting to finalise the colour which was **inspired by the multiple shades of green that a parrot carries.**

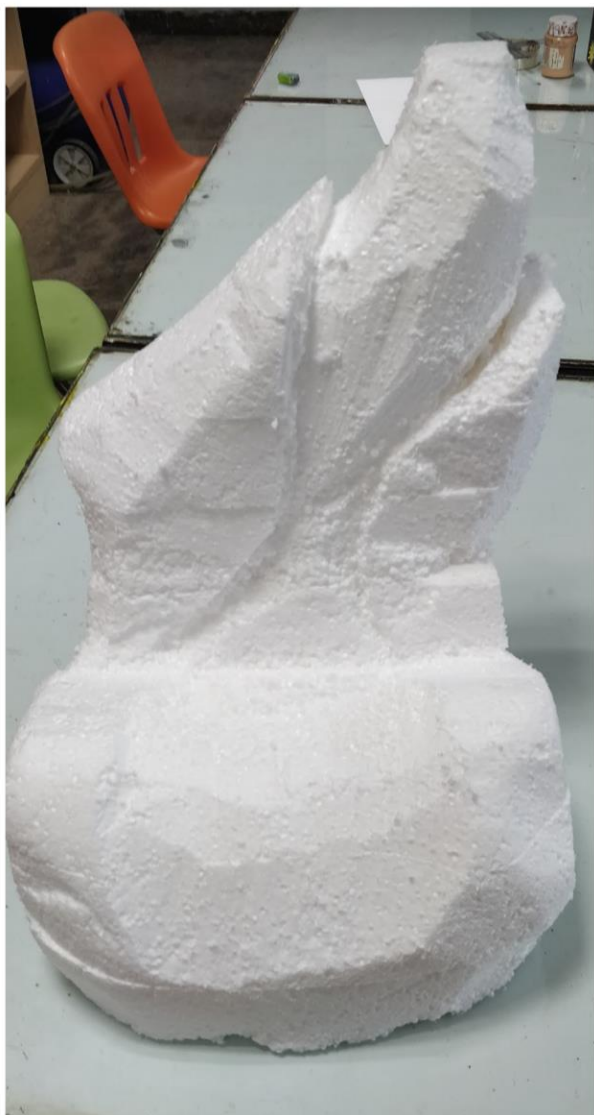


Shades of parrot green





# 1. Development



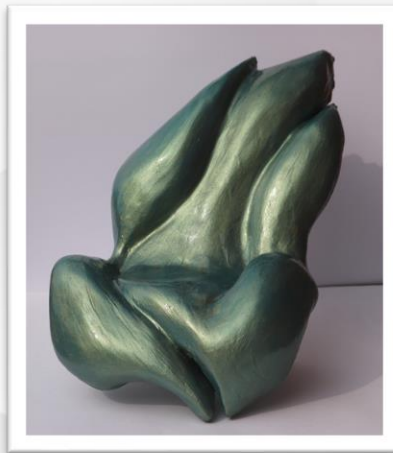
**Carved on Thermocol blocks** to form the base of the sculpture. Once the base was formed, **added weight to it by coating it with plaster** and then modelled the sculpture.

Smoothened the rough edges and gave it an overall finishing using a sandpaper.





# 1. Final Sculpture

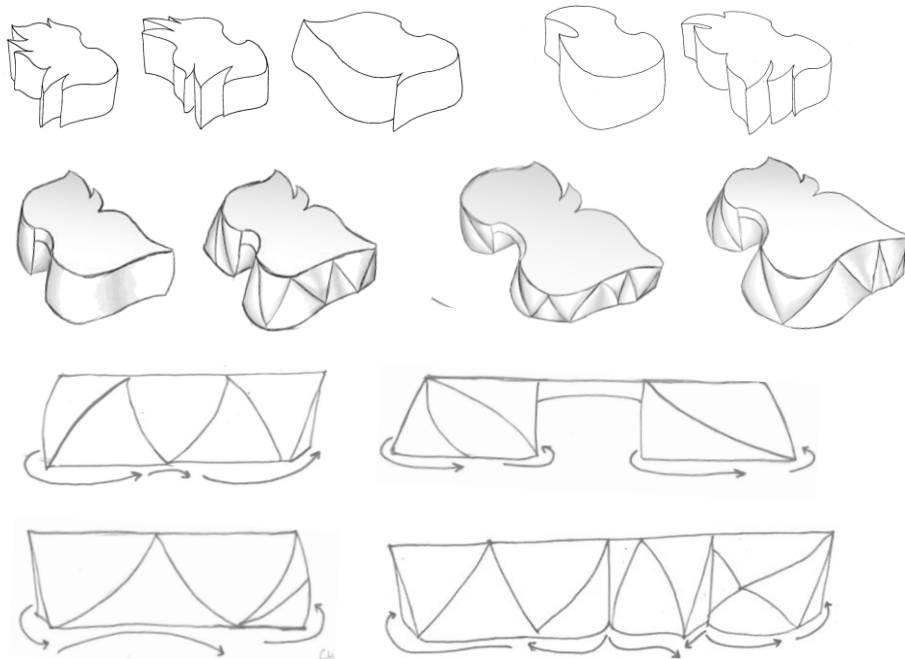




## 2. Wing-Able

**Thought Origin:** While office spaces are becoming more and more trendy, desks and tables have mostly remained standard and mundane looking. These tables often do not look impressive and do not go with the trendy office spaces.

**Design Idea:** designed an office table which is not only big enough for all the objects but also look stylish and impressive to the eyes. The initial designs were inspired from bird wings. I sketched and shaded the designs into 3D forms and performed contouring for a better understanding of the finalised design.



These are scanned images of my sketches on a Marker Paper



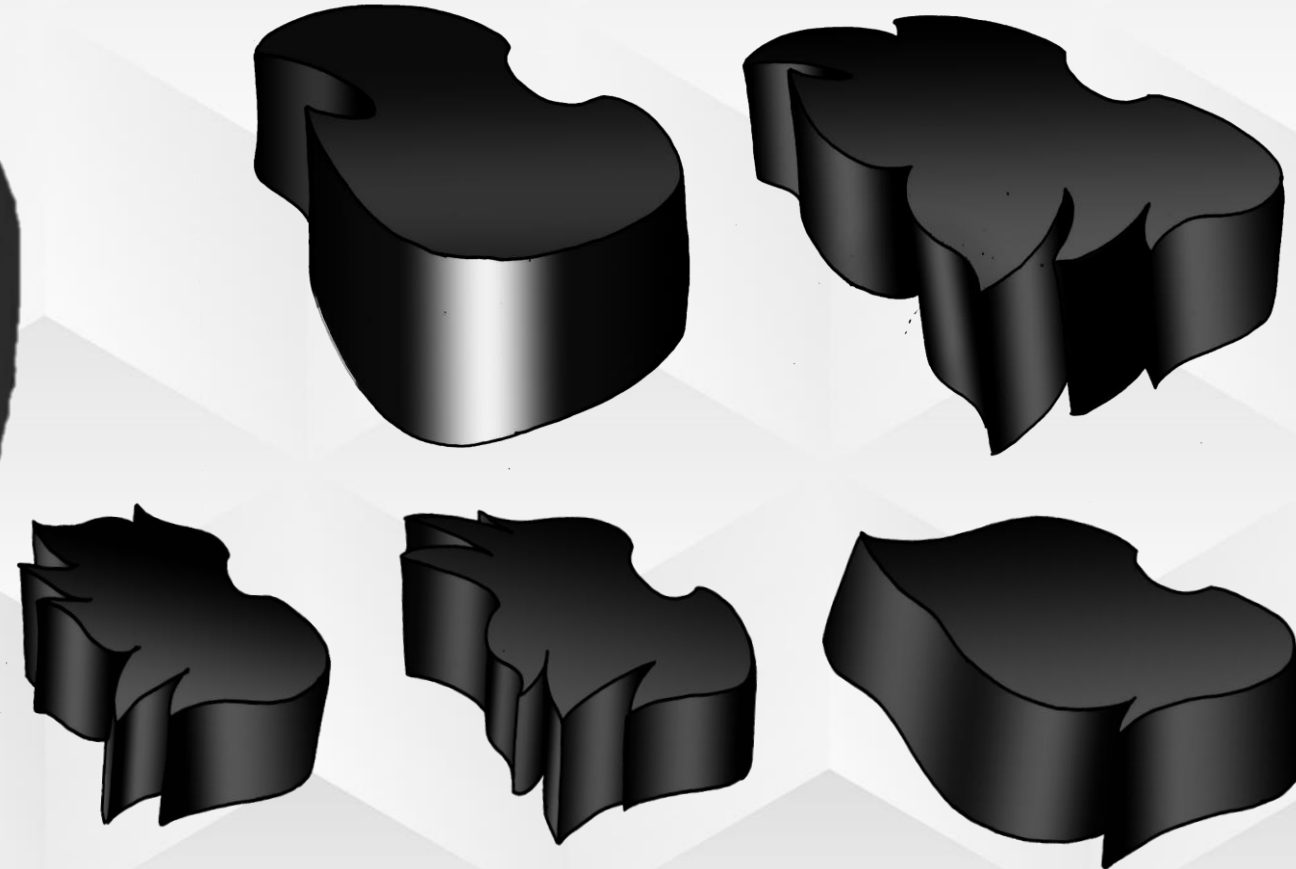
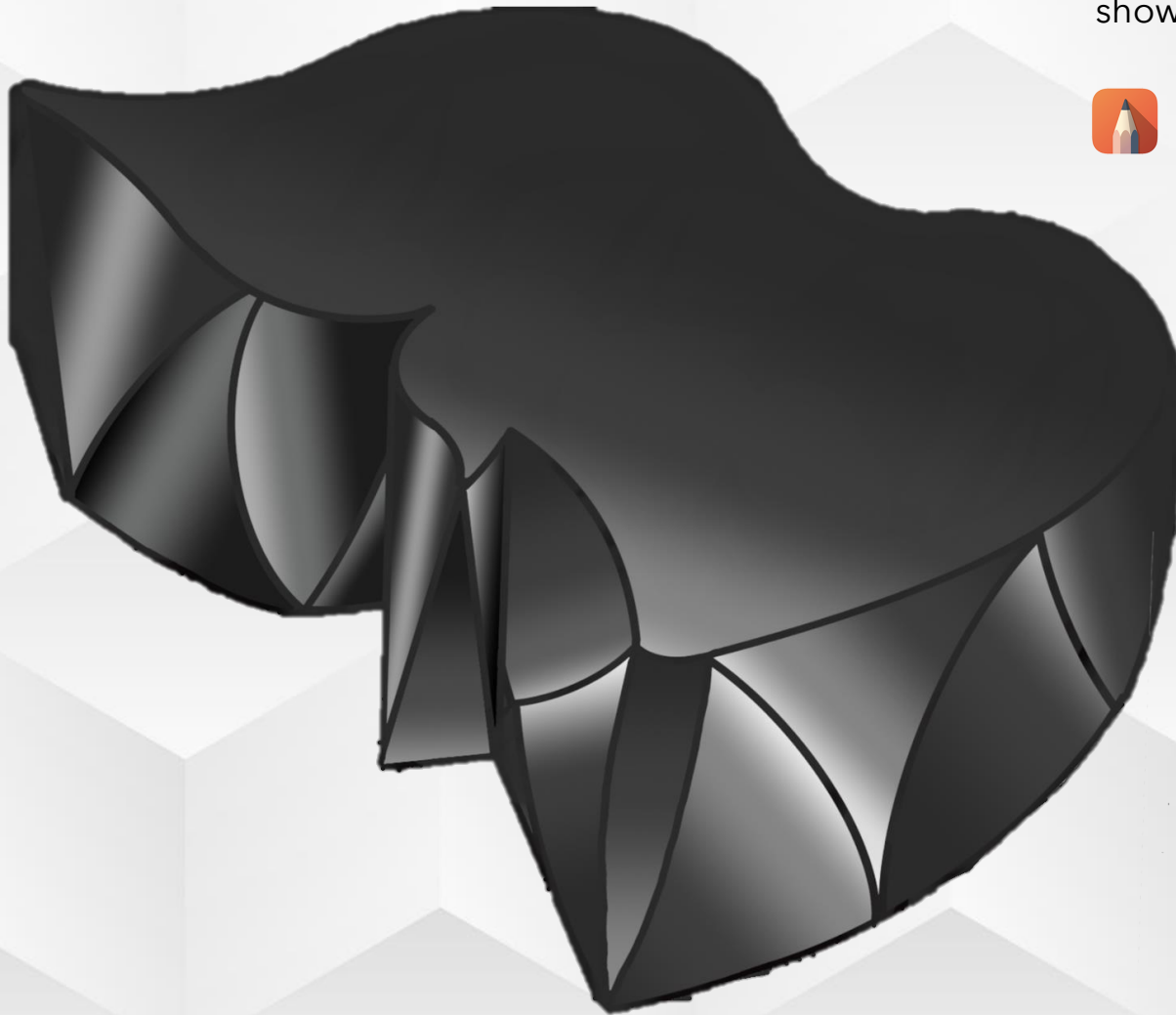
## 2. Rendering

Rendered the design to understand the **cuts and angles of the table**. This also provided me an insight on which colour to use and which medium will best suit the table.

**Manually performed the rendering** using Autodesk Sketchbook to showcase the table in a **metallic medium with metallic paint** on it.



AUTODESK  
SKETCHBOOK

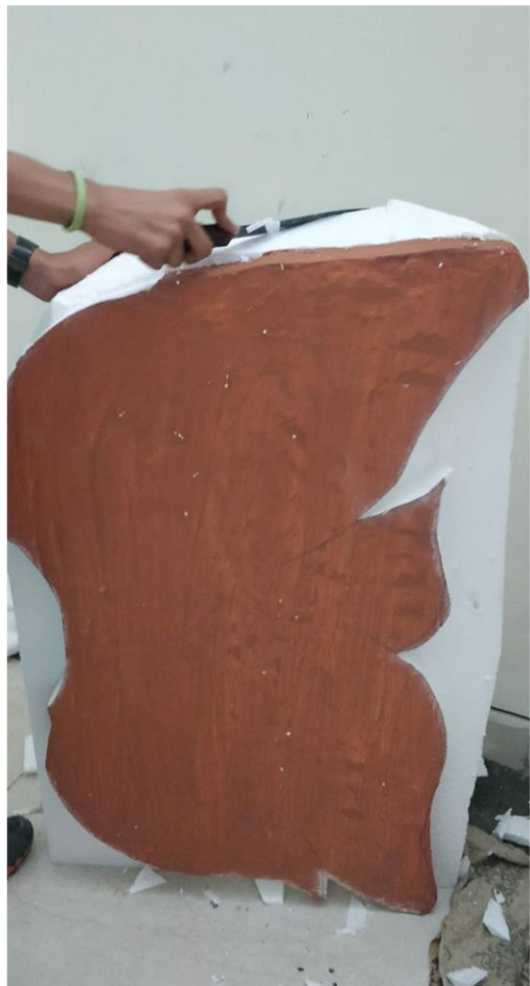




## 2. Development

Carved on Thermocol blocks to form the base of the sculpture. **Performed angular cuts to achieve the shape shown in rendering.** Once the base was formed, added weight to it by coating it with plaster and then modelled the sculpture.

Smoothened out the rough edges and gave it an overall finishing using a sandpaper.



Thick coating of plaster



Formation of angular cuts



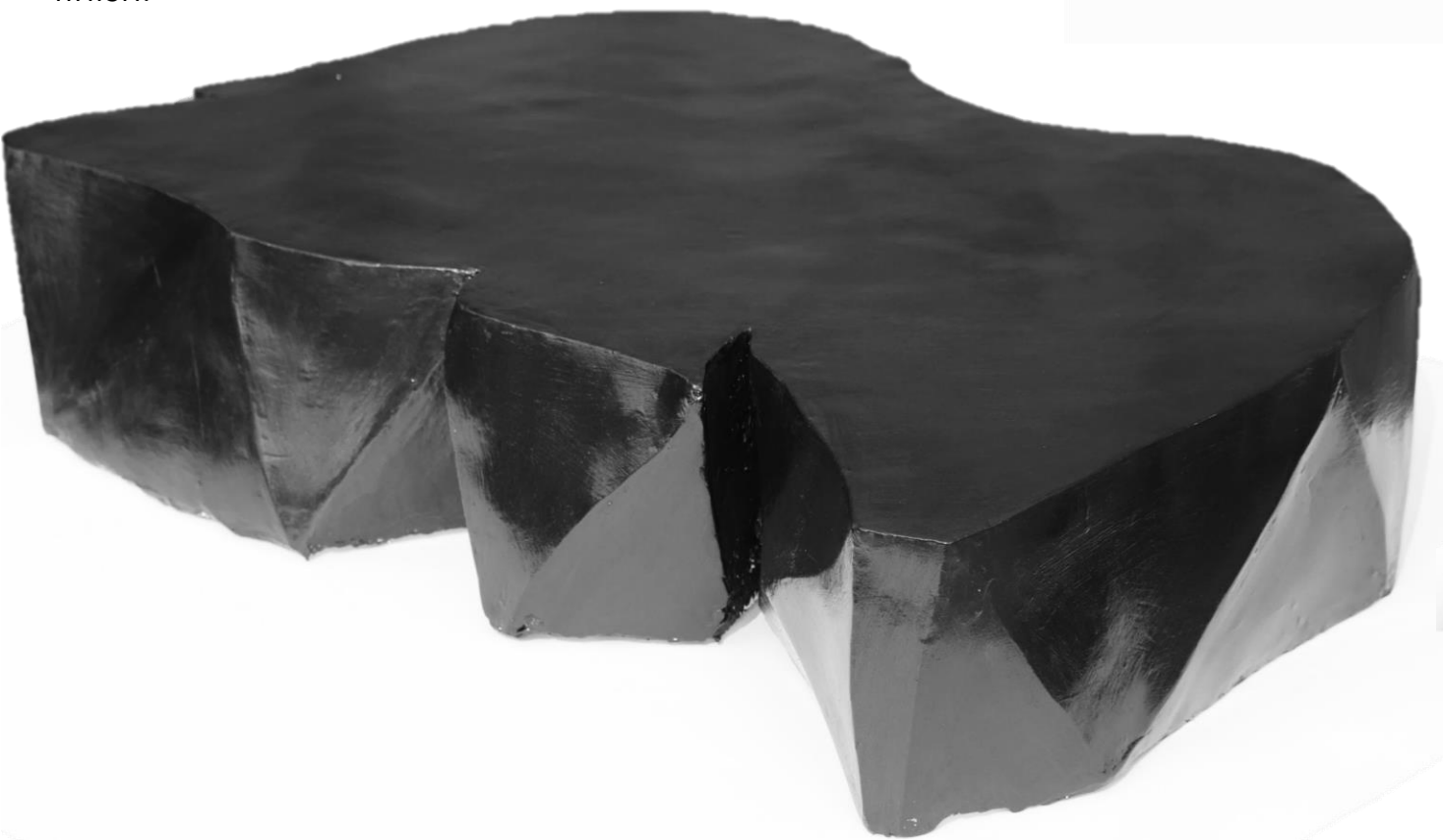
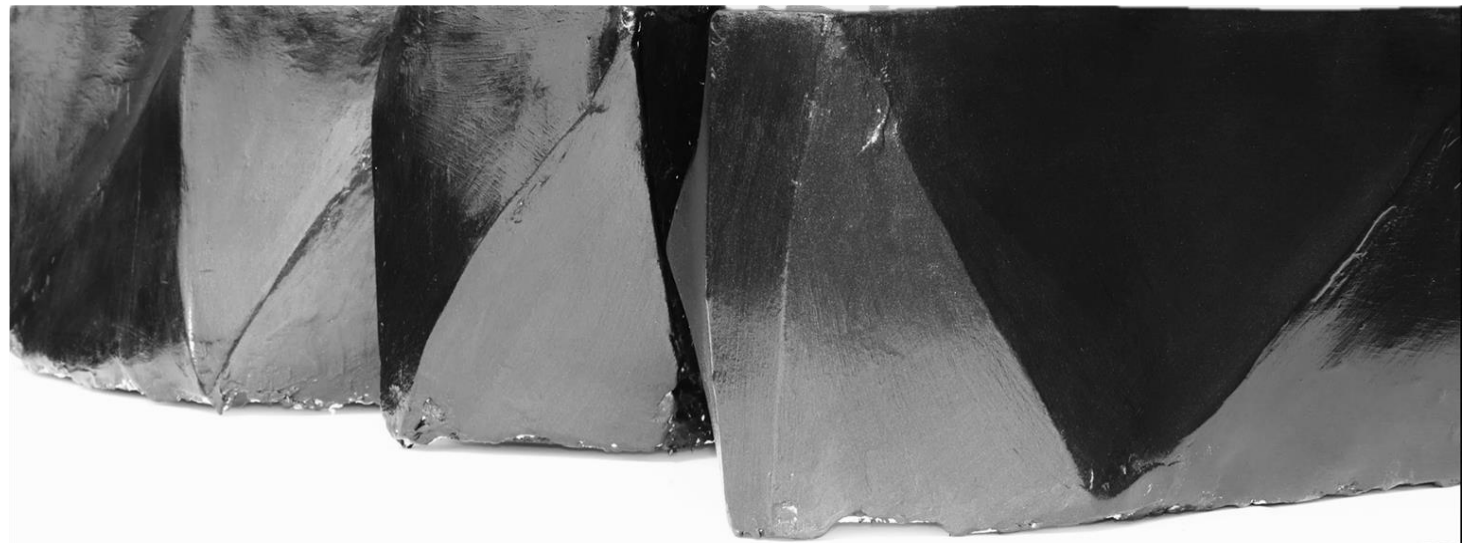
Experimenting with types of black paints (enamel, acrylic, etc.)



## 2. Final Sculpture

**Coating of varnish** to add shine and lustrous texture to the table.

The sharp angles of the sculpture visible in the photographs were made using plaster, which after applying sandpaper helped achieve proper cuts and finish.





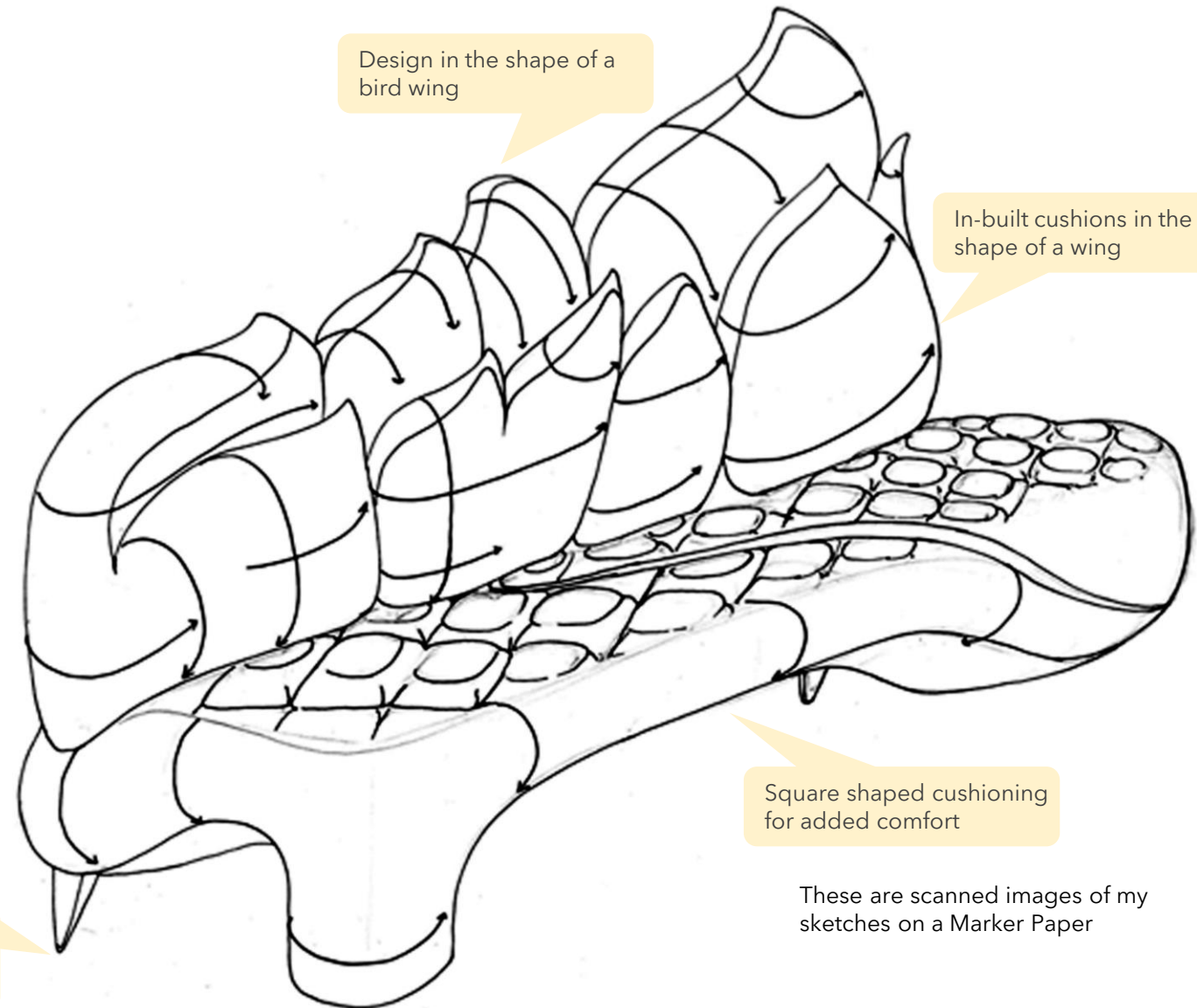
### 3. WinOfa

**Thought Origin:** One of the commonly used methods to create a comfortable and luxurious seat for a car is diamond quilting. I wondered why the sofas makers do not use diamond quilting. Hence, the thought of designing a sofa with diamond quilting that is comfortable yet luxurious came to mind. Additionally, inspiration from a bird's wings was taken for the back rest to add to its grandeur.

**Design Idea:** I wanted to not only design a sofa inspired by the theme of wings but also to add extra comfort for the people sitting on it. I used 3D sketching to get my ideas on paper for clear vision and potential execution.

This design of a sofa has a square shaped stitching on the seating area and it reclines a bit as well which adds to its comfort. The back rest area has two parts to it. The first part is to support the seating posture of a person and the second part is to add beauty and grandeur in line with the design of a bird wing.

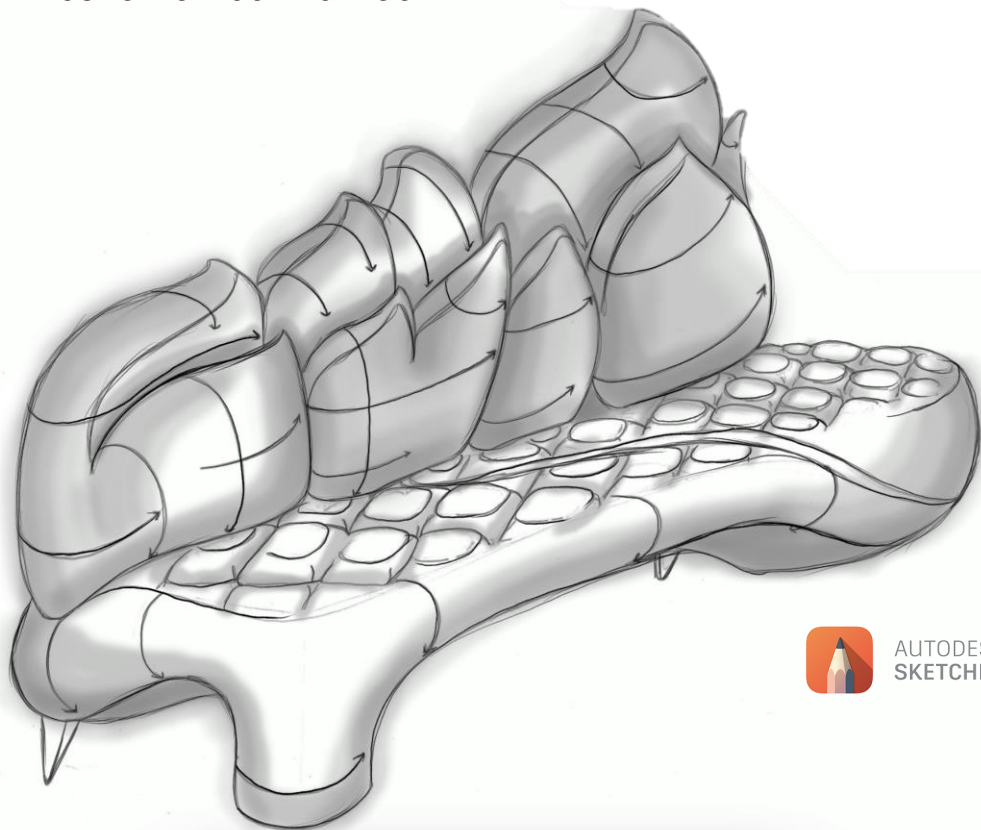
Back legs are slightly shorter than the front legs, which provide a slight recline for relaxed seating



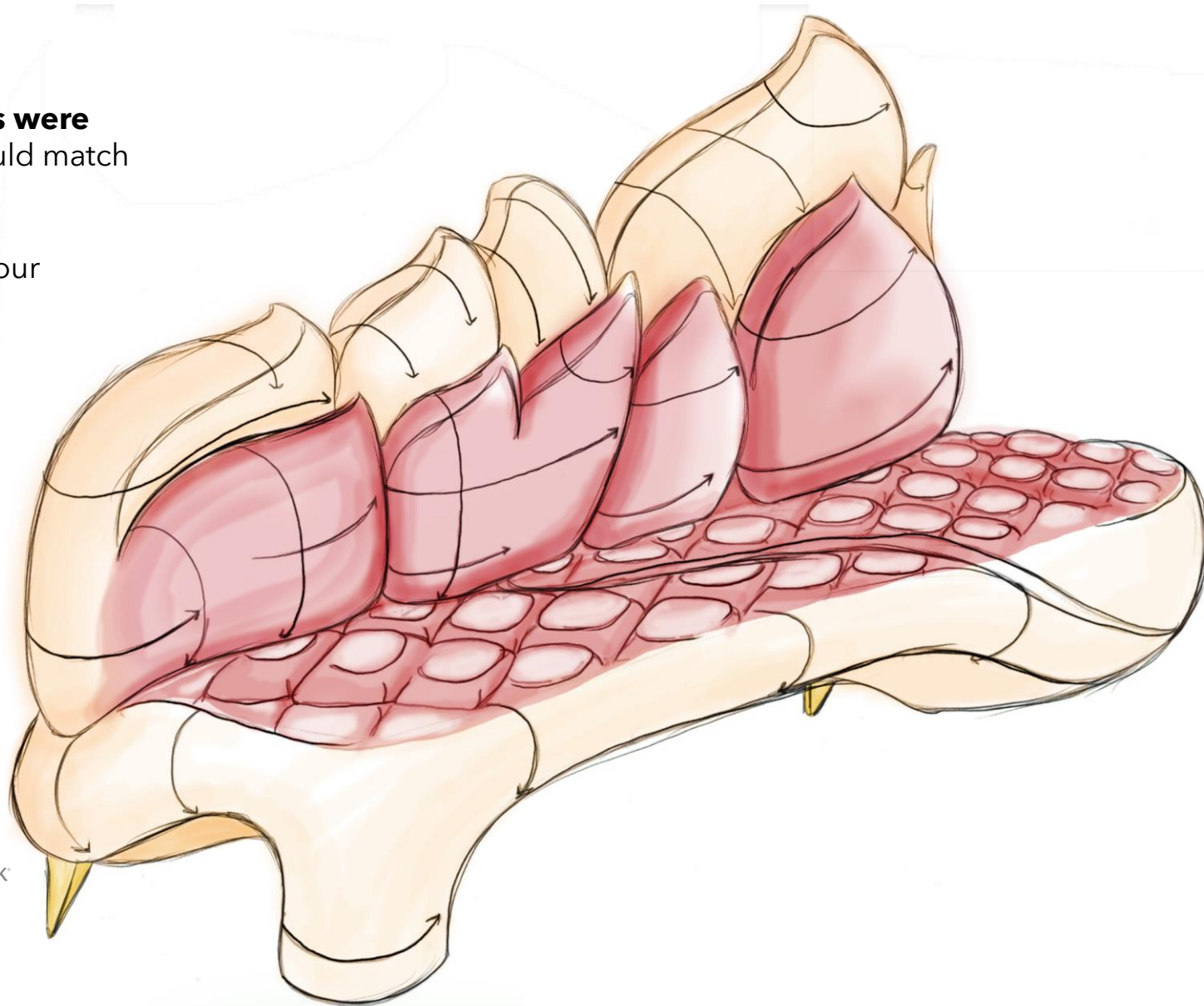
# 3. Rendering

In order to understand the colours better, **digital designs were sketched** to experiment with the colour schemes that could match the sofa in a way that brings out the best of it.

After multiple experiments, reddish brown and beige colour scheme was finalized



AUTODESK  
SKETCHBOOK





# 3. Development

Carving on thermocol sheets pasted together to form a block



Formation of square shaped cushions



Carved on thermocol sheets and shaped it to my needs. Used a thick layer of plaster on top of the thermocol as the base of the sculpture.

The plaster helped add the square shaped cushions on the seating area. It was then smoothened using different levels of sandpaper to achieve a finished sculpture.

Experimentation with Emulsion paint to add further finish



# 3. Final Sculpture

Painted the sofa with a thick coat of enamel paint to achieve a glossy look on the sofa. The **colour scheme has been inspired by the colours of a sparrow's wings**.

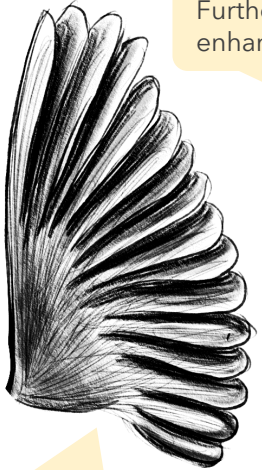




# 4. Wing Shelf

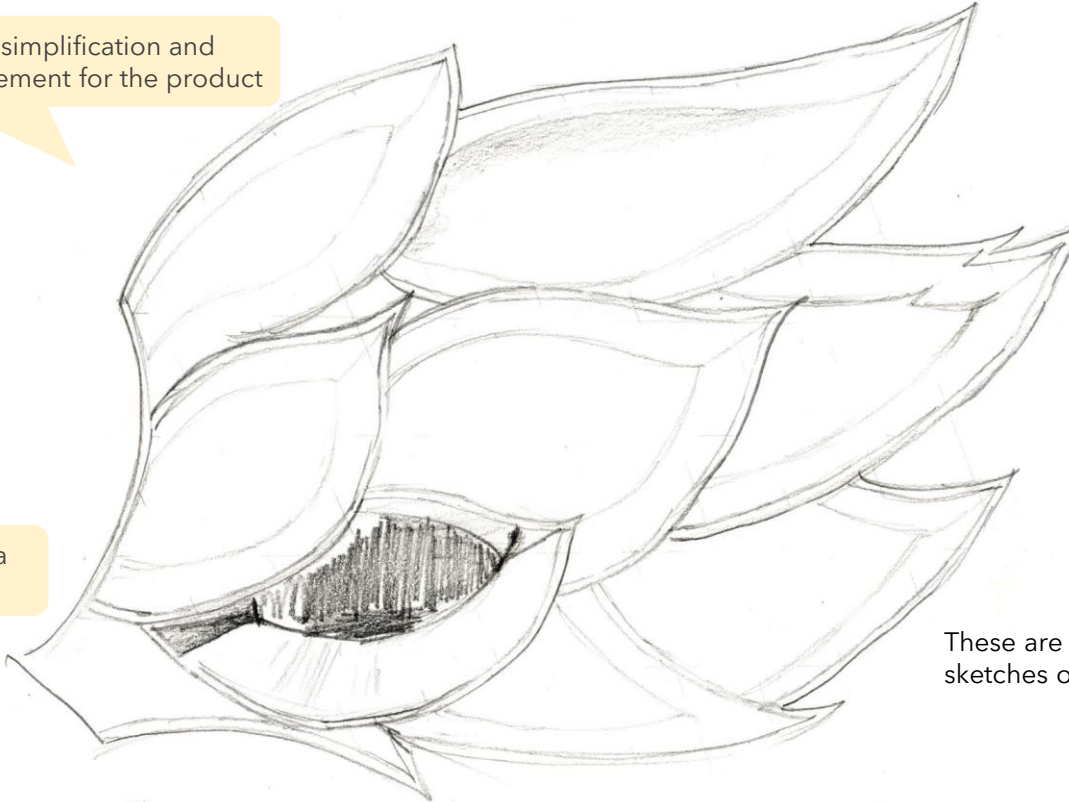
**Thought Origin:** Modern houses lack space. Hence, multipurpose furniture and items become highly vital.

**Design Idea:** to design a multipurpose shelf which can be used for many things when manufactured in different sizes. This is a shelf which has been inspired by the layers of feathers on a bird's wings. The shelf can also be used as a room separator (e.g., dressing area) and a showcase with enough space for small lamps, vases and photo frames to be placed in it.

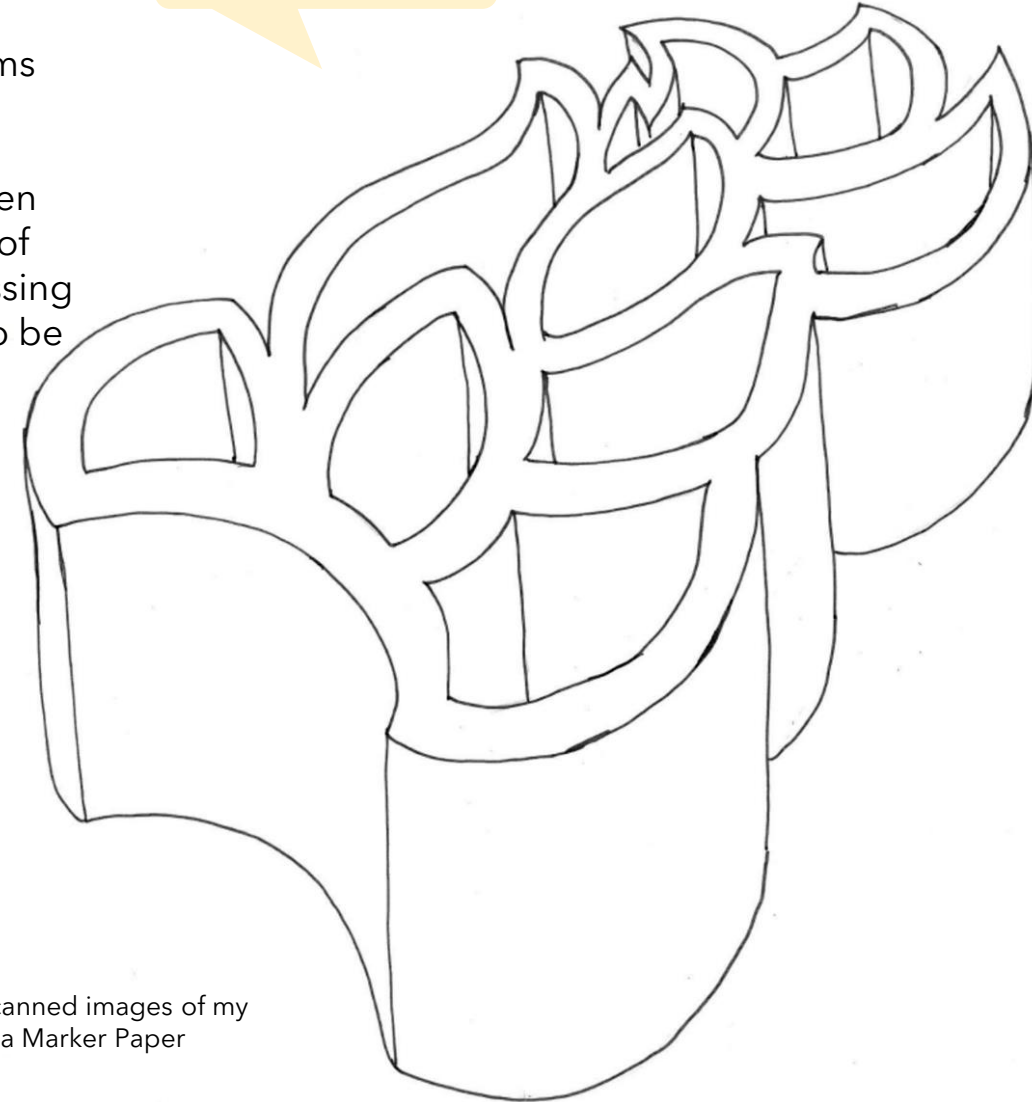


Initial inspiration - wing of a sparrow

Further simplification and enhancement for the product



Final design in 3D form



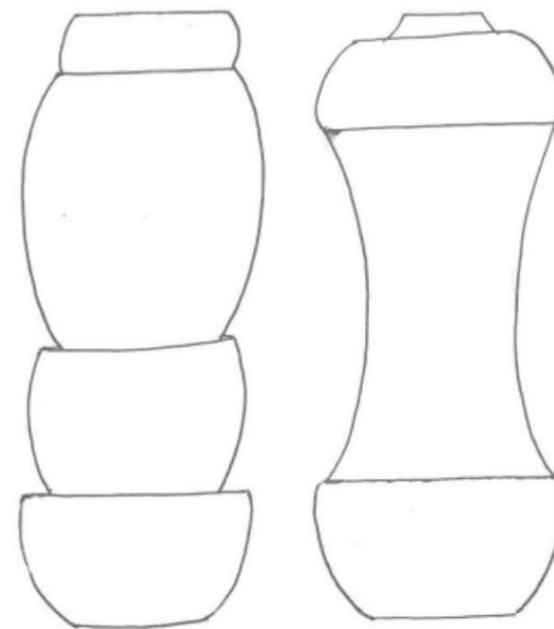
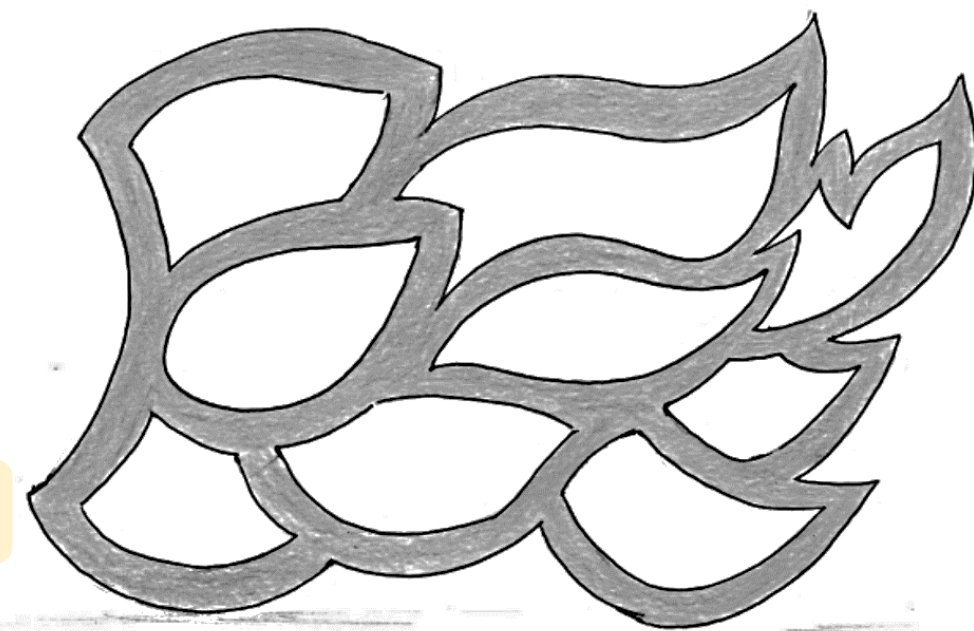
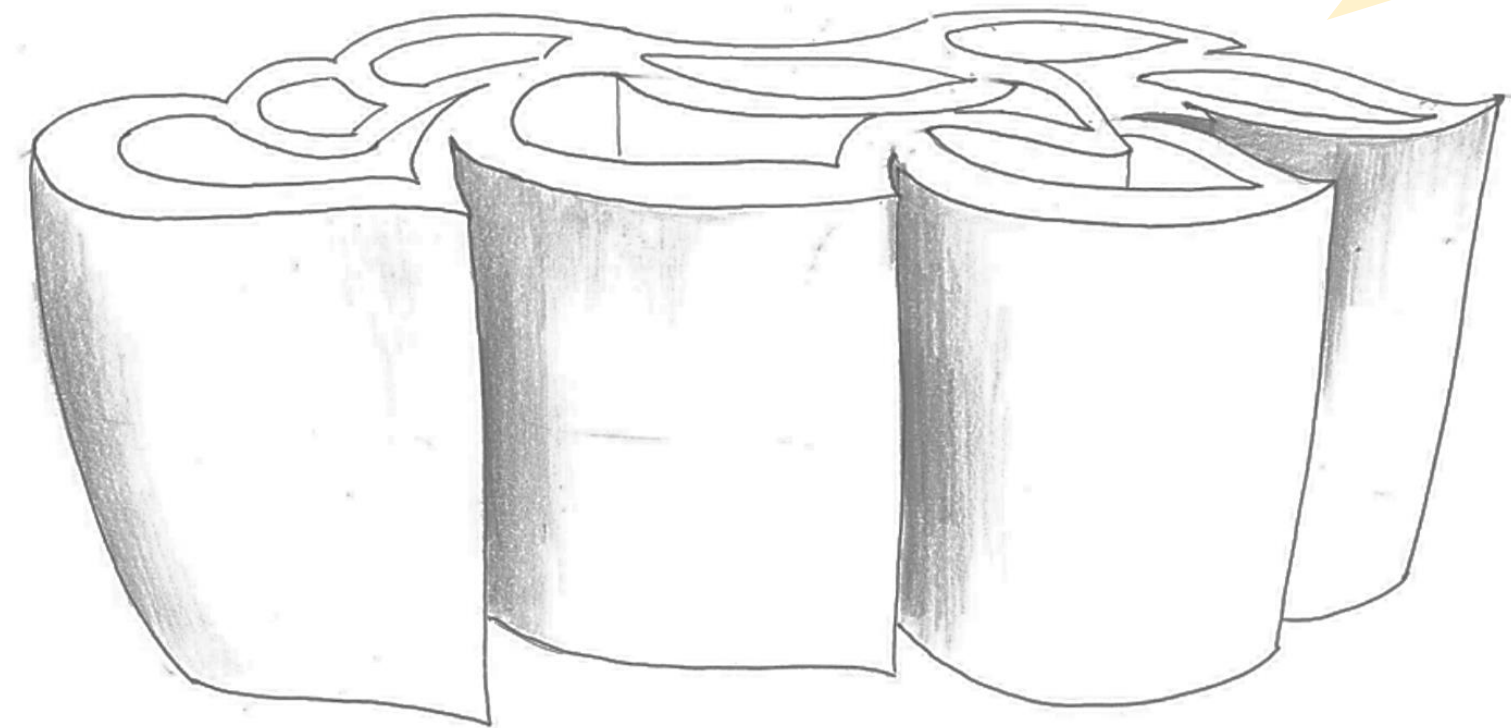
These are scanned images of my sketches on a Marker Paper

# 4. Development

To finalise the ideas, the product was **sketched in different angles** to understand how it would turn out.

These are the sketches of the finalised designs from different thumbnail angles

Sketching from different angles for better comprehension



These are scanned images of my sketches on a Marker Paper



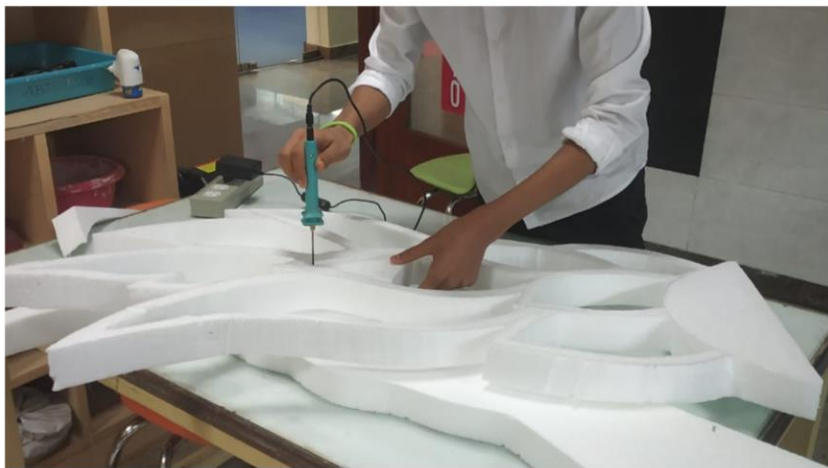
# 4. Development

Carved on Thermocol blocks to form the base of the sculpture. Once the base was formed, added weight to it by coating it with plaster and then modelled the sculpture.

Also used **tissue and cloth pieces** to give further **strength** to the plaster.



Smoothing to remove rough edges





# 4. Final Sculpture



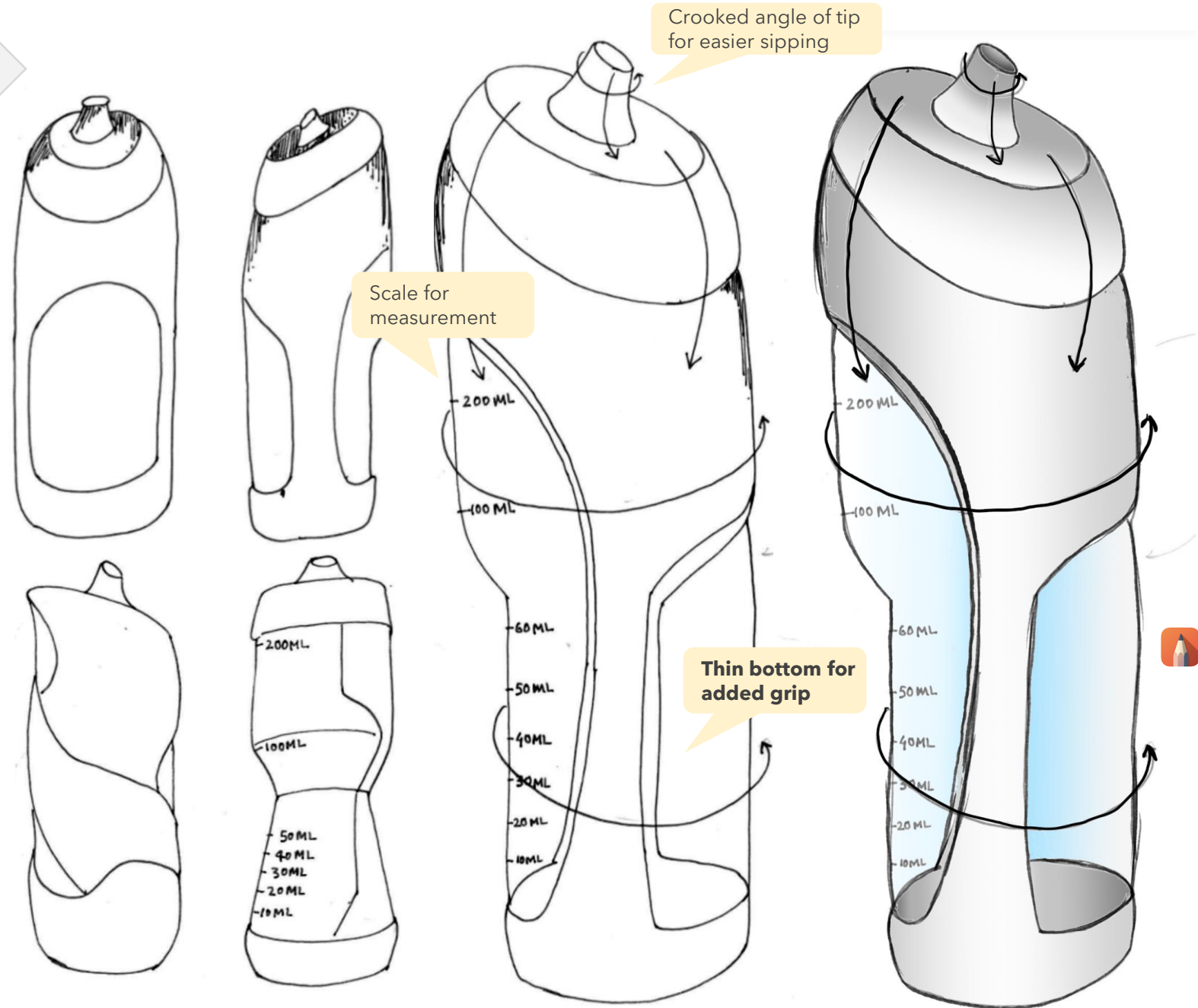
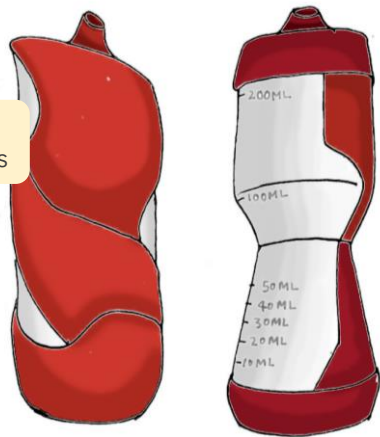


# 5. Sipper 2.0

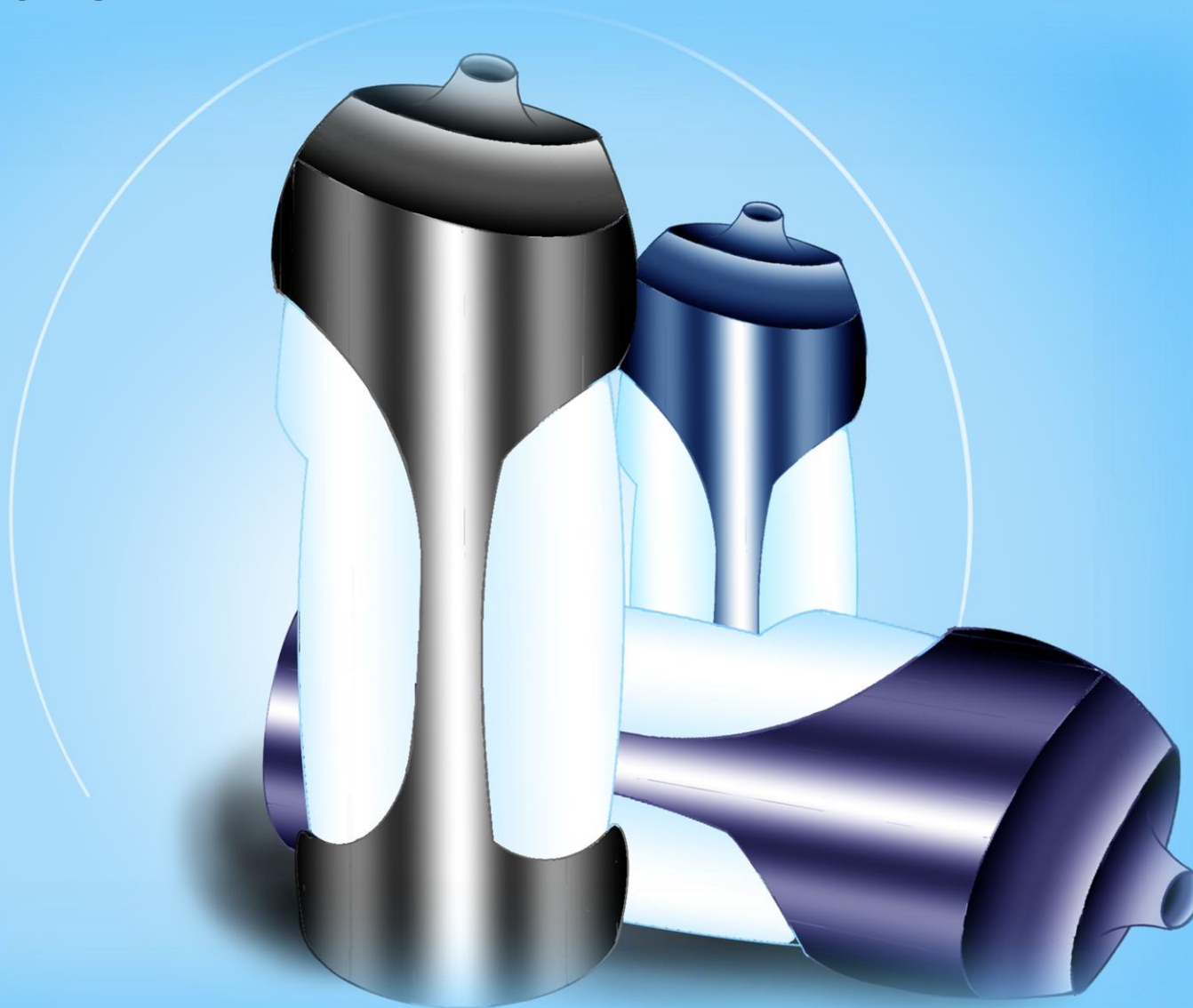
**Problem Statement:** general market observation revealed that most of the sippers have a thick bottom which makes it challenging to hold, especially for long hours during jogging. Also, the sipping part of the bottle is often at a 90 degree angle making it tough to sip through the bottle.

**Solution Idea:** to design a sipper which has the sipping tip at an angle easier to sip from and relatively thin curvy bottom making it easier to hold.

Rendering of different designs



# 5: Final Renders

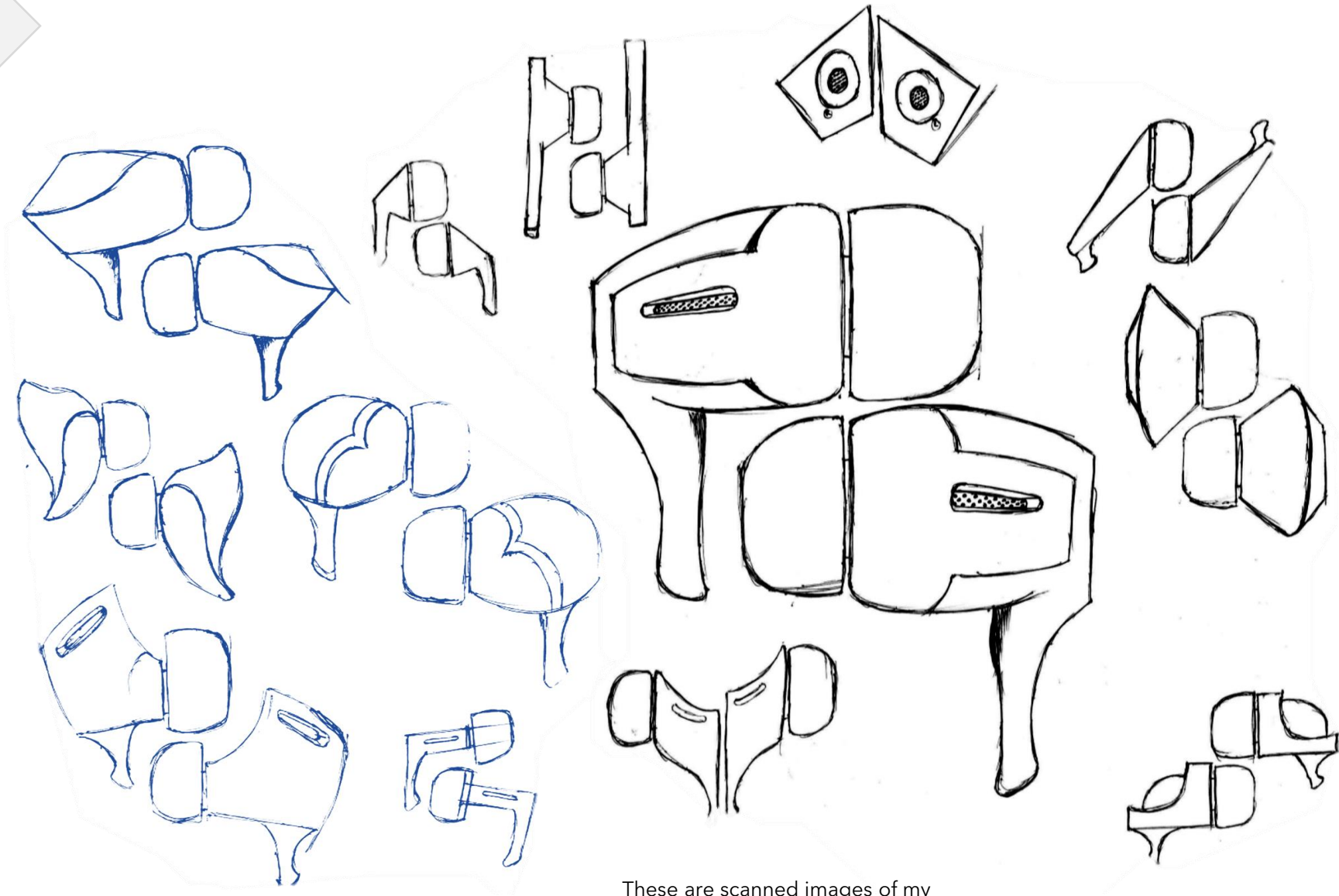




# 6. Earphones

**Problem Statement:** even the most expensive earphones of all are primarily made with different forms of plastic. Their plastic manufacturing is prone to scratches, less durable and overall mundane appearance in look and feel.

**Solution Idea:** to design a pair of earphones made with lightweight aluminium. Its aluminium make will add up to its durability and the metal finish will give it an elegant and classy finish since metal is highly lustrous as opposed to plastic which offers a relatively cheap look and feel. These designs are intended to experiment with a more impressive design of earphones.



These are scanned images of my sketches on a Marker Paper

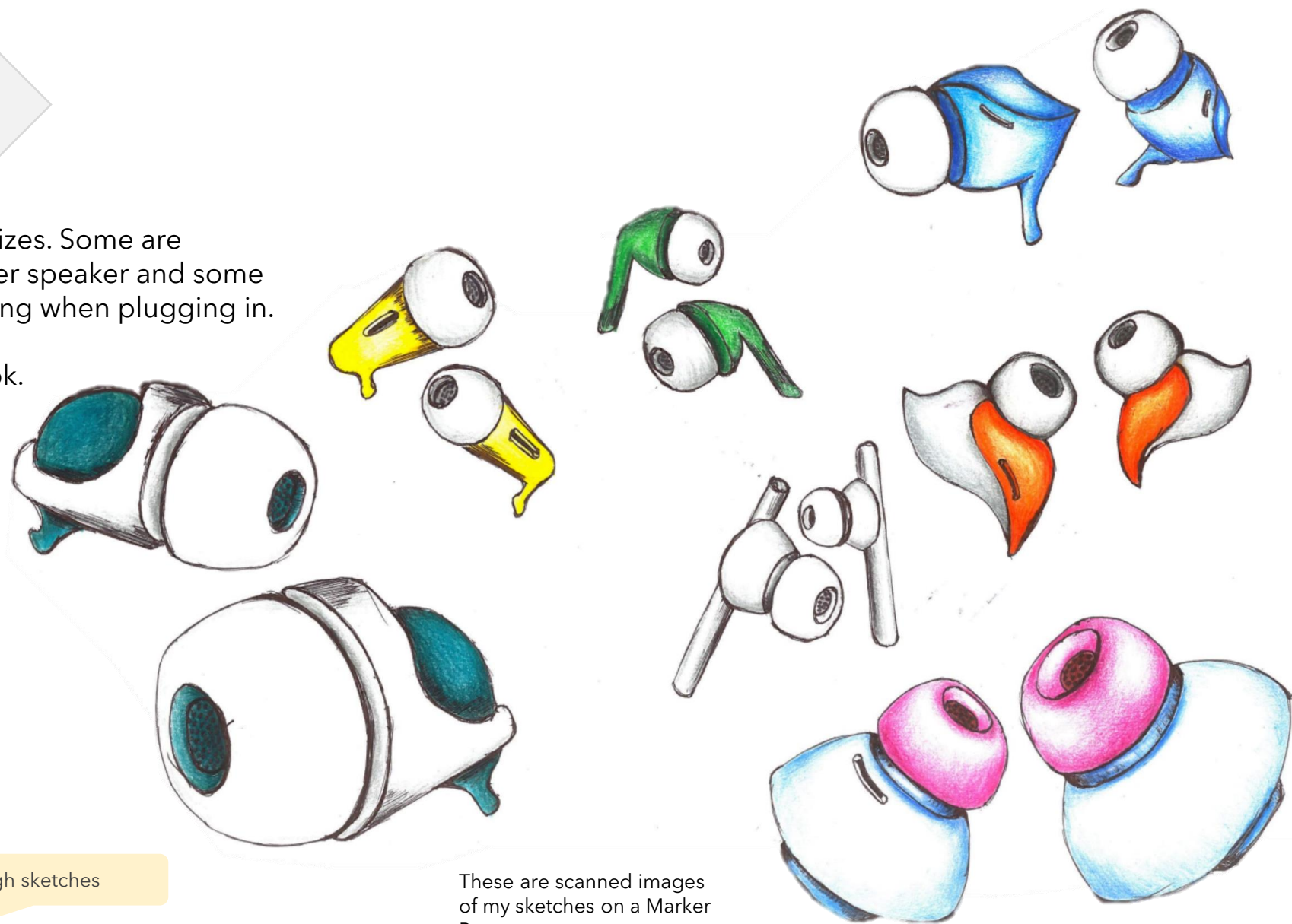
# 6. Development

Sketches for trying different shapes and sizes. Some are broader than the others to provide a larger speaker and some are taller than the others for ease of holding when plugging in.

Cat shaped designs for a more trendy look.



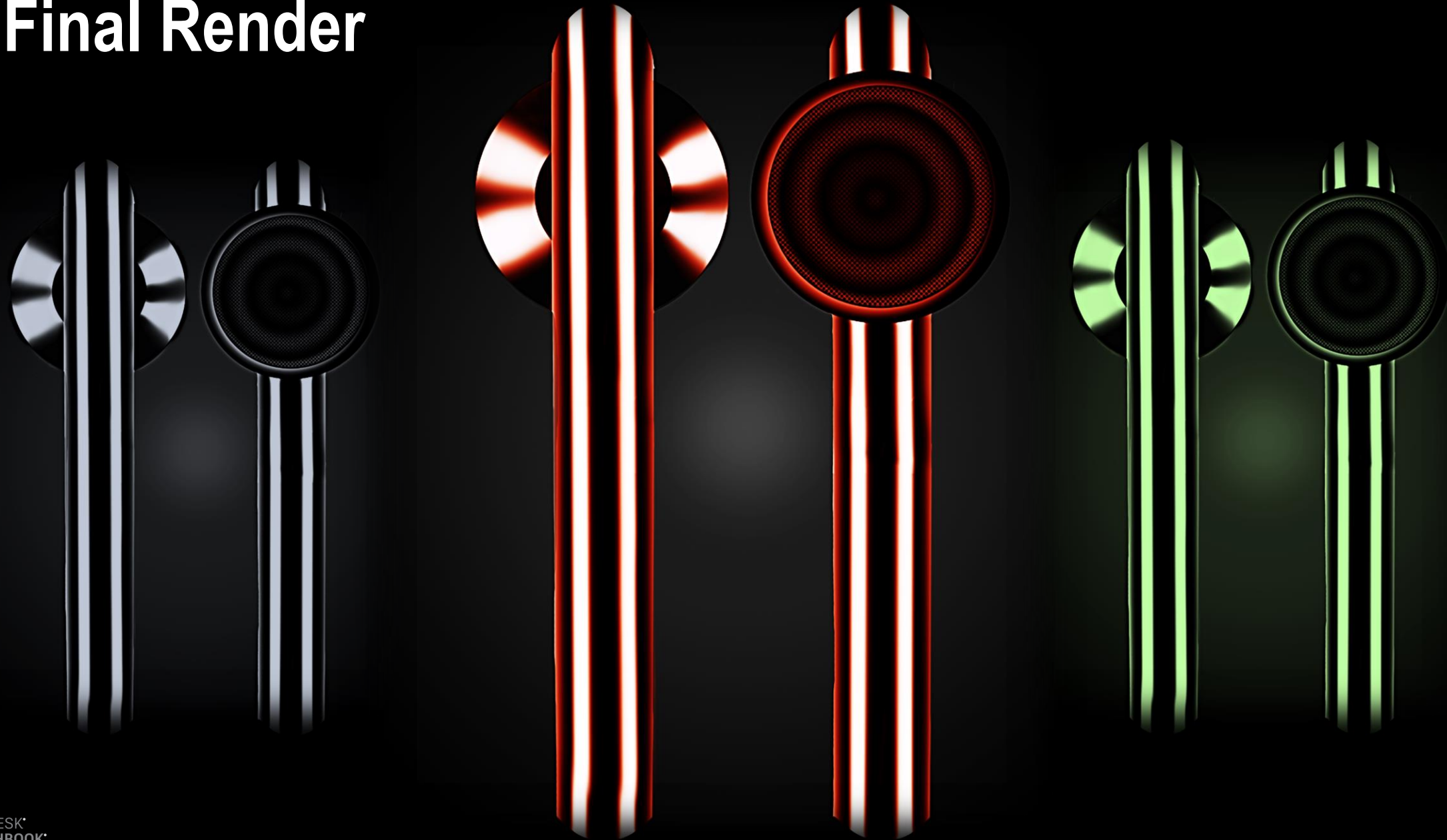
Rough sketches



These are scanned images of my sketches on a Marker Paper

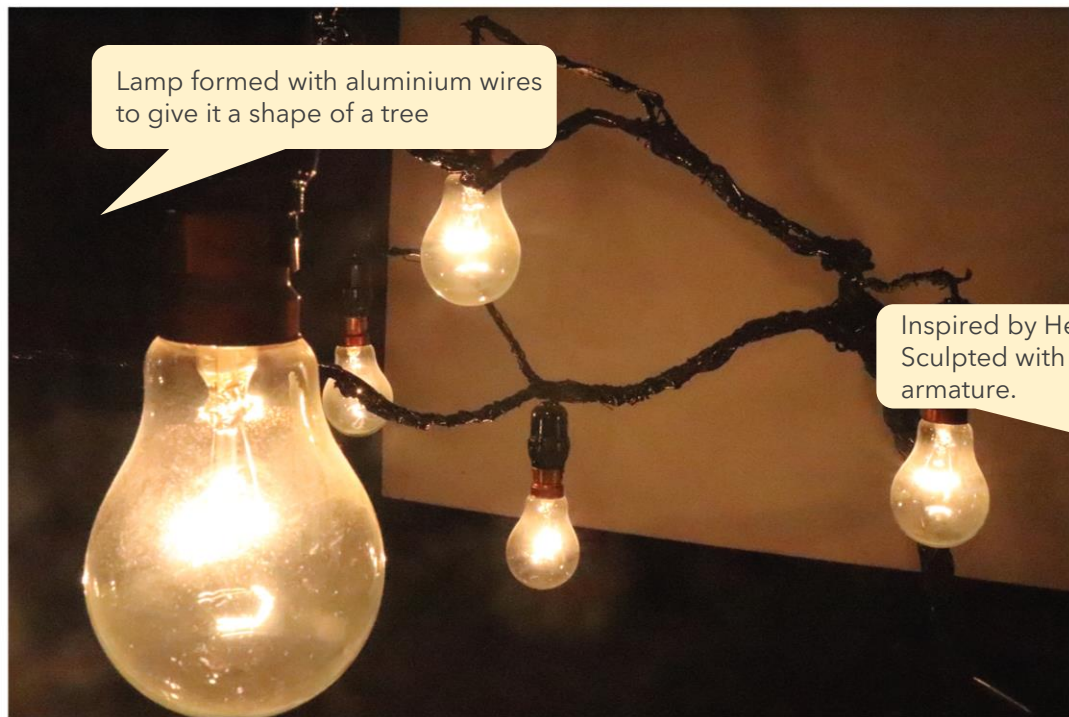


# 6: Final Render



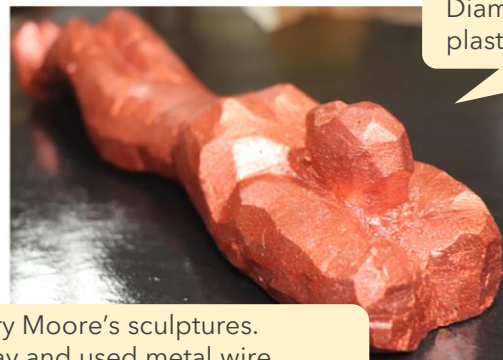
# Miscellaneous

The reclining figures are sculptures made from clay and plaster. The **tree lamp** is to spread awareness on deforestation and its eventual harmful repercussions on birds.

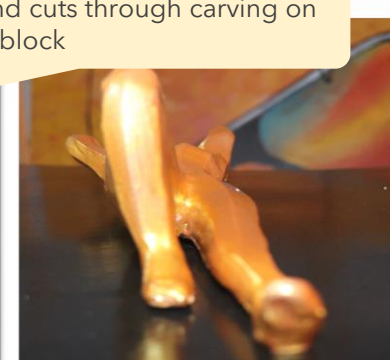


Lamp formed with aluminium wires to give it a shape of a tree

Inspired by Henry Moore's sculptures. Sculpted with clay and used metal wire armature.



Diamond cuts through carving on plaster block

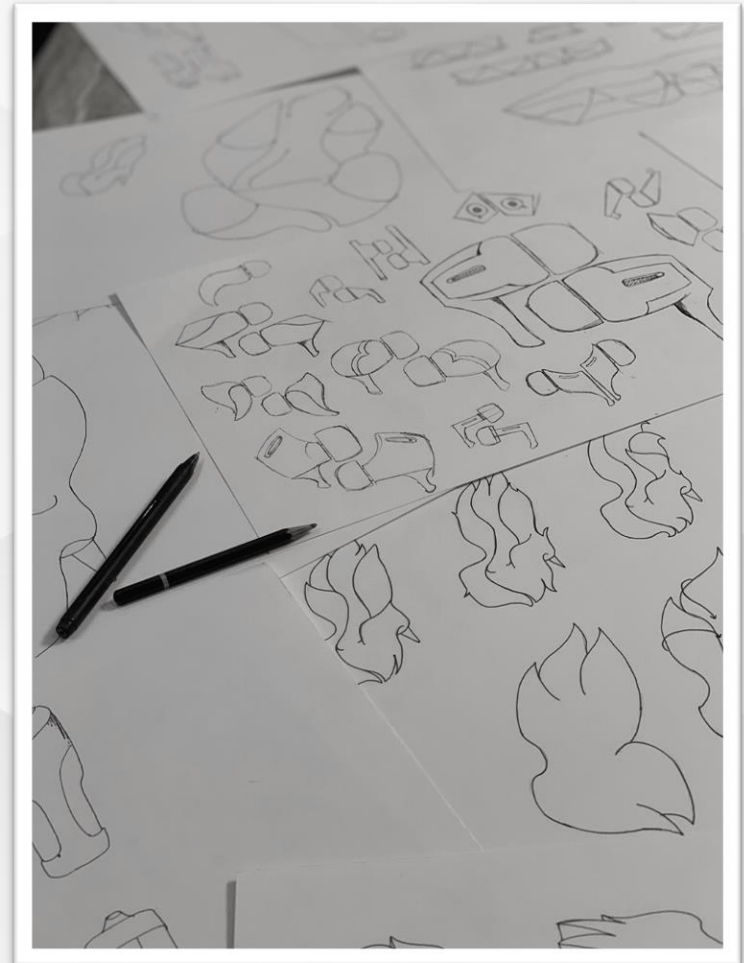
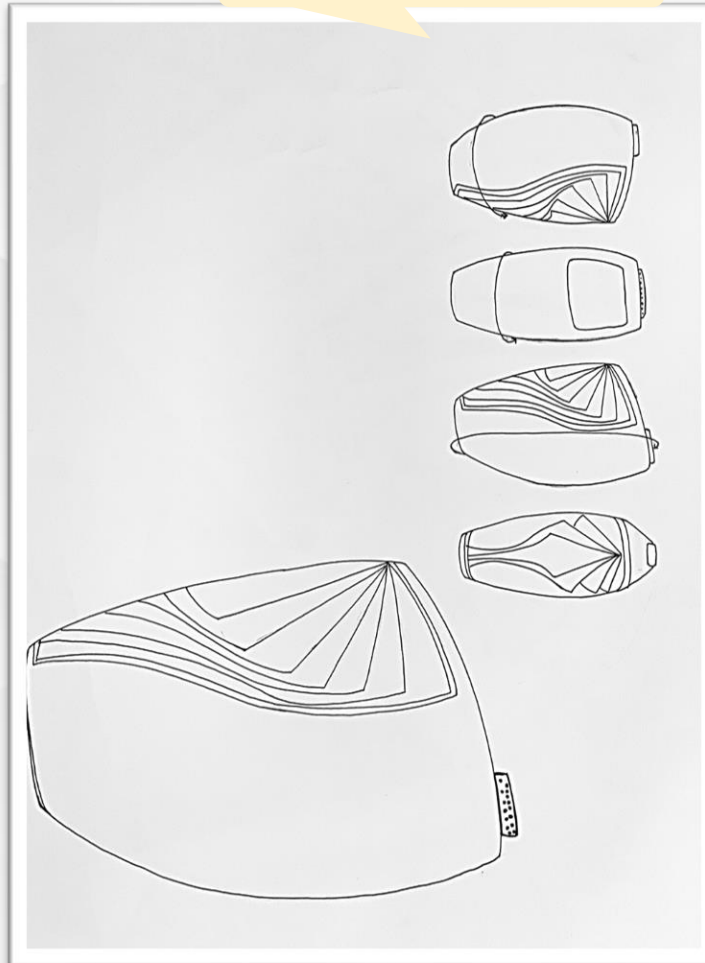
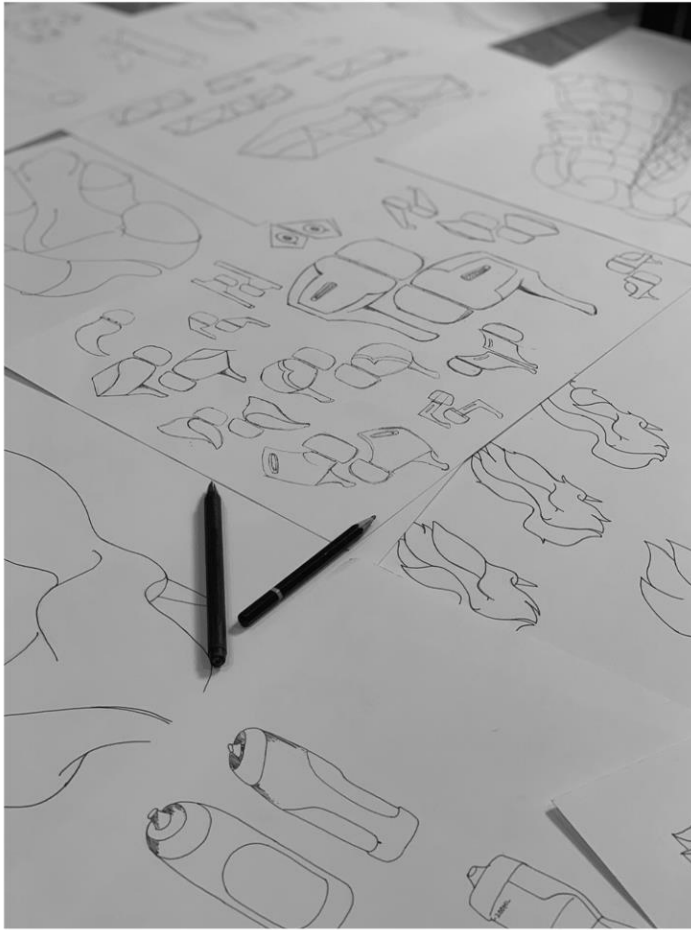




# Miscellaneous

## Rough Sketches

Hand carved Aluminum Lighter





# Landscape Paintings



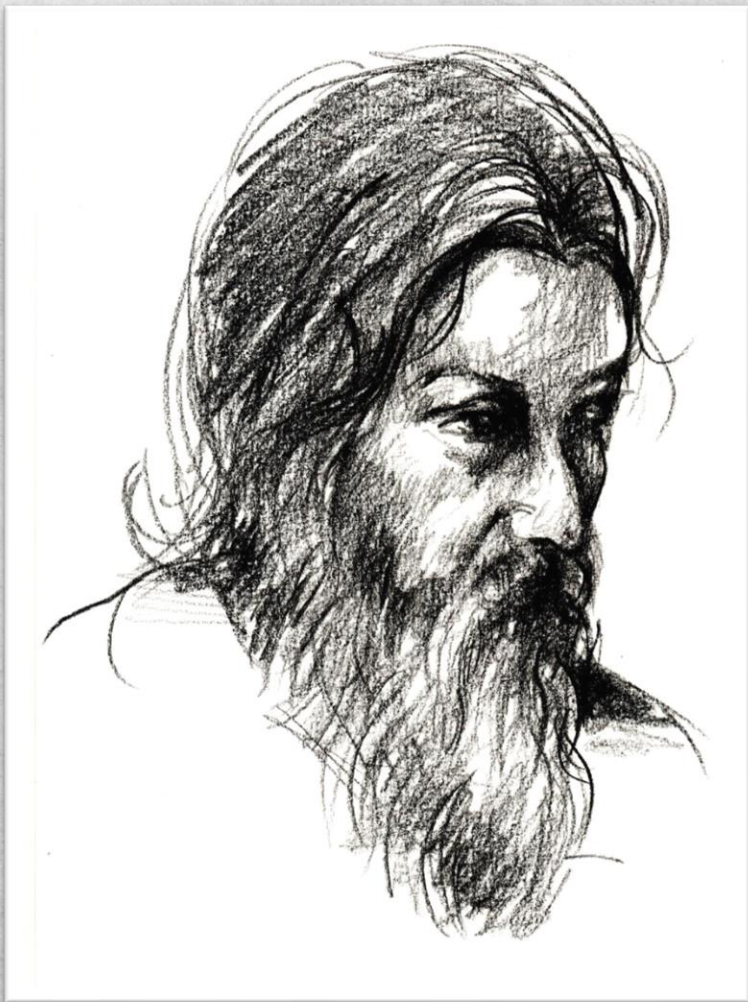
Water colour paintings  
Paper: Canson



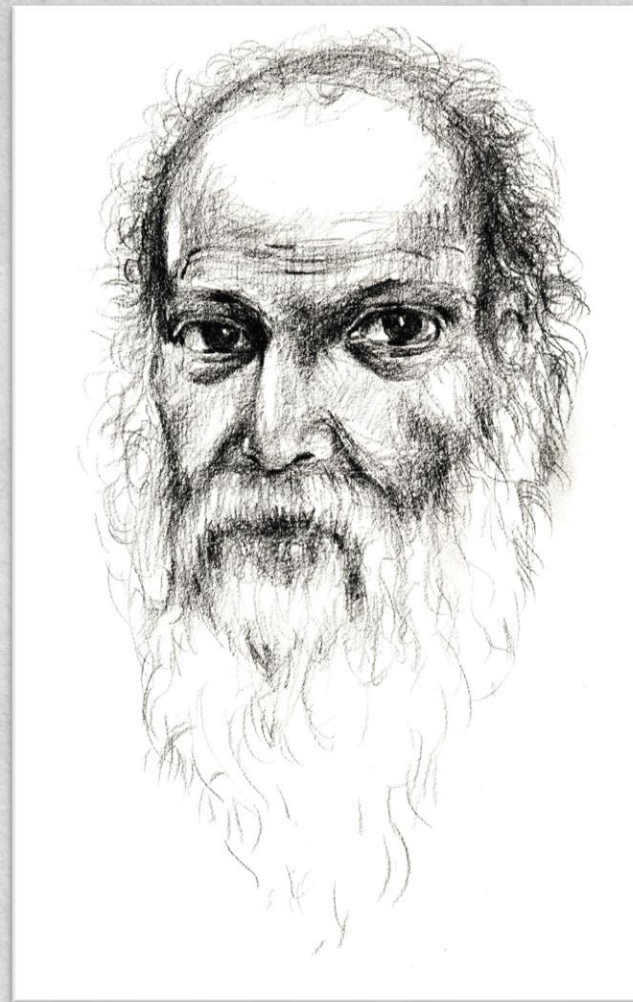
Water colour paintings  
Paper: Canson



# Portraits



Charcoal Sketch  
Paper: Canson



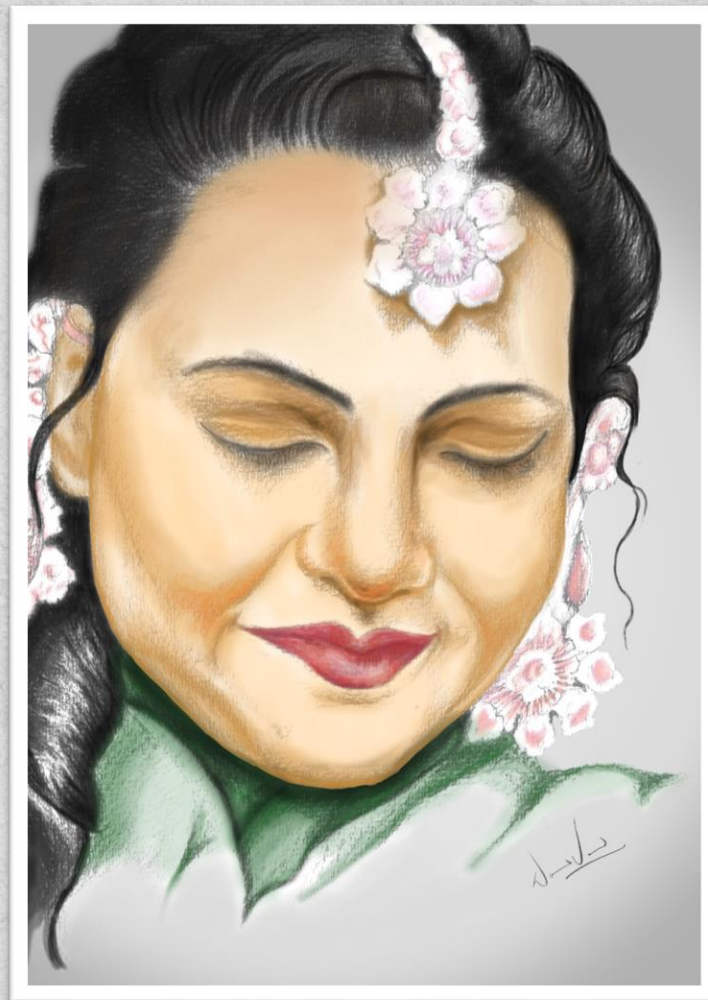
Charcoal Sketch  
Paper: Canson



# Portraits

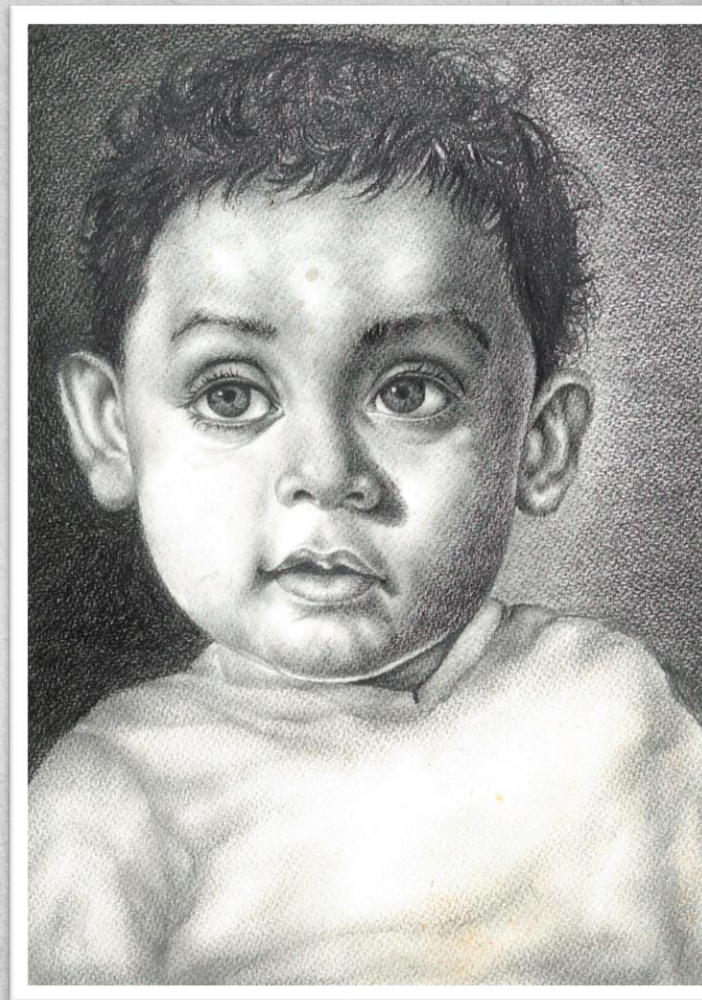


Charcoal Sketch  
Paper: Canson



AUTODESK  
SKETCHBOOK

Charcoal hand-sketched,  
digitally painted



Charcoal Sketch  
Paper: Canson