

# **:: Single Project :: Journal Log Book ::**

**By Ajit Dutta SN: 10370483**

## **Week 1**

One of my ideas is to make mechanical whips which would be lit up with light, four of them like plant or octopus. The concept behind the artefact has not developed at this moment and how it relates to the body need to be explored. The reasoning behind is so that I make a visually aesthetic object.

## **Week 2**

This week I have really struggled with the meaning of the idea of the artwork I have in mind. During the week I have also started exploring how to make a 3D character model. These are stills I made in Maya.





I have decided to expand my ideas so that they do not contend with the physical forms of the bodies visually but have more to do with the use of the body with an artwork. The change in direction came because of the work I saw in “The Body Digital” exhibition.

### **Week 3**

In week 3 I have come to the conclusion of using screens computer to extend my ideas. Displaying pictures on a screen will allow greater depth to what I want to express in a more tangible fashion, which would also help add an extra dimension to the whips.

### **Week 4**

During week 4 I have been questioning why I am using components of my artwork together like the monitor and whips. The ideas behind the whips are that they are eye catching and are pleasing to look at. Questions about what the monitor should display were:

Should have it have something to contrast the imagery of the whips, like pictures of war?

Or should the pictures on the monitors be used to accompany visually adding to the whip design?

## Week 5

In week five I had to submit work for the research I have done. Here are artworks that interested me but did not make it in to the research document.

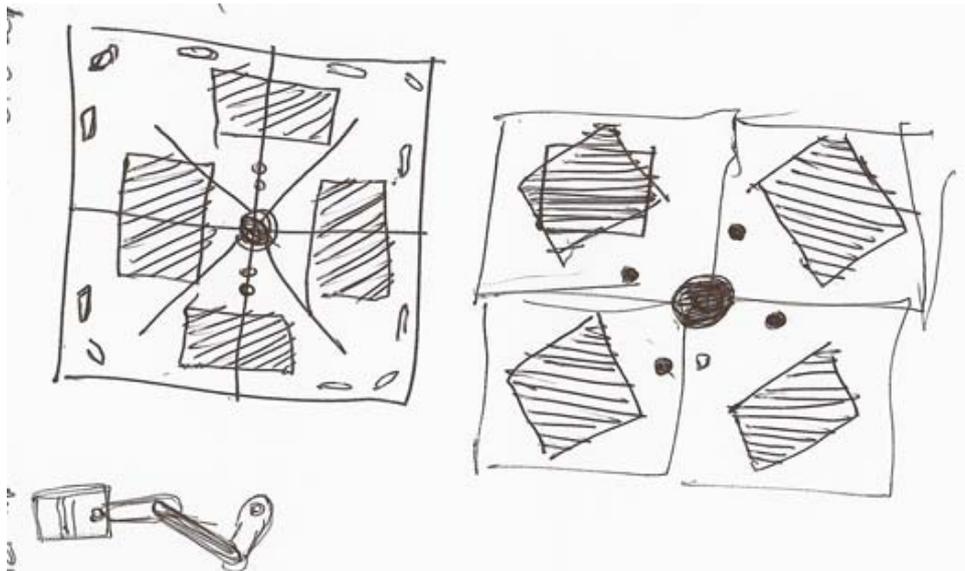
### Ken Feingold Interior

The artwork Interior of artwork is described as cinematic sculpture. I like the position of the sensors, it may make users self-conscious. Also, the way sculpture and projection are used together to make a complete artefact.

## Week 6

In week 6 I was experimenting with mirrors and was struggling with the idea on whether I should use mirrors for making an infinity effect on the monitors to blur the borders of the monitors.

I also looked at how to setup the monitors on the tables I would have to create.



The shaded areas are spaces for the monitor for the computers.  
Also I was looking at overall table designs.

## Week 7

On this week exploring what images to put on the monitors and came to the conclusion that I would use stills of political aware imagery to contrast the idea of the whips. To allow user interaction, Processing or Quartz Composer would be used.

Thoughts on the whip design are that it has to be light with minimal friction if the motor is not powerful. Also the whip must be rugged if there is going to very fast movement like the fast movement of a motor. Over the weeks I will need to consider what motor need to be used and what design will suit the motor used.

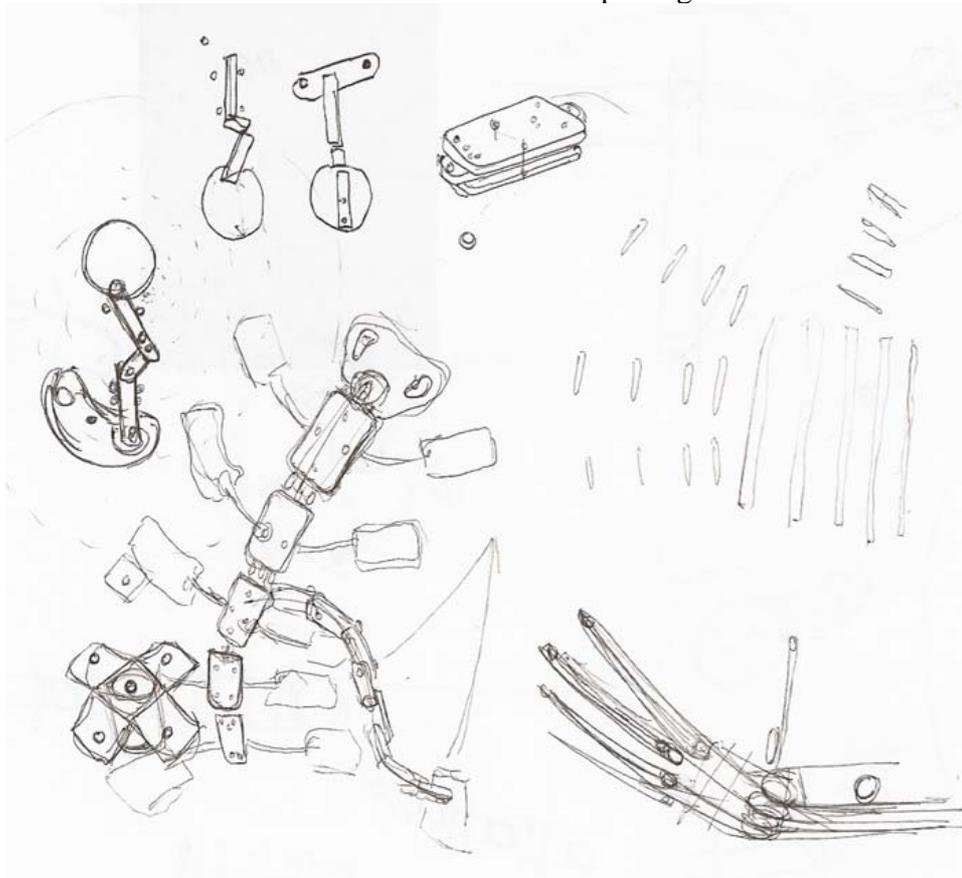
## Week 8

The designs for the whips were brainstormed and motors were explored. I would need a high torque motor. Torque is the moving power of the motor not the speed. The most suitable motor I found at the moment was called a Large Single Ratio Motorgearbox type/order code WC71N that could be found at Maplins. It is low voltage and low rpm, up to 150rpm and high torque 6000 gf.cm. This seems that it could be ideal for the whips.

Large Single Ratio Motorgearbox

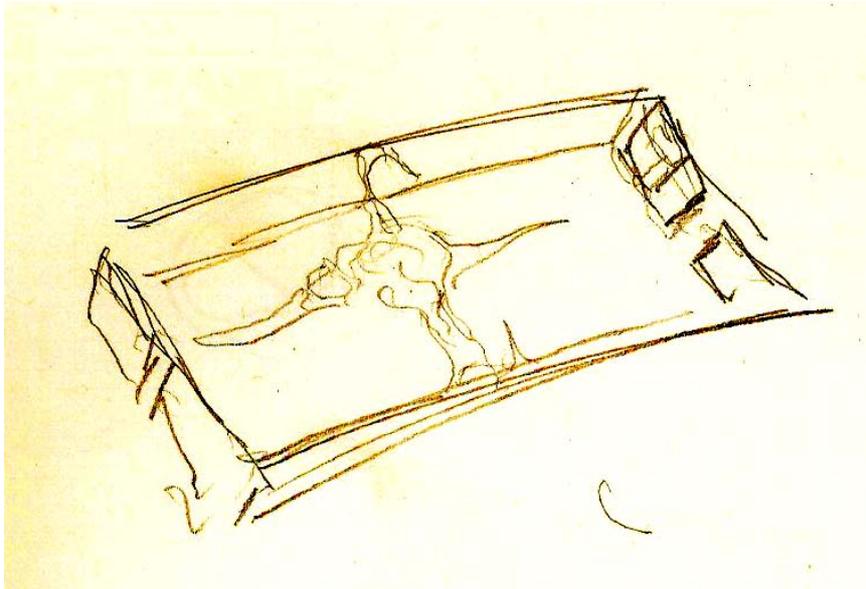


Sketches of whip designs.



## Week 9

The idea of using infinity mirrors has come up again. Here is a rough sketch of the idea.



There would be 2 monitors on each end and the whip would be in the middle. There would be a mirror box which would make repetition of the monitors and sculptures making a wall of monitors and a tower of whips. The concept of the project is the same except I feel the monitors would be better used if placed in a mirror box.

Monica Bonvicini:  
Don't Miss a Sec

A toilet with one way mirrors was made by Monica Bonvicini. Her artwork invites users to step into the installation to do private things while being a seemingly open space with no privacy. Monica Bonvicini's artwork of a toilet with the one way mirrors appeals to me because of how to uses the material in an original manner in the context of art.

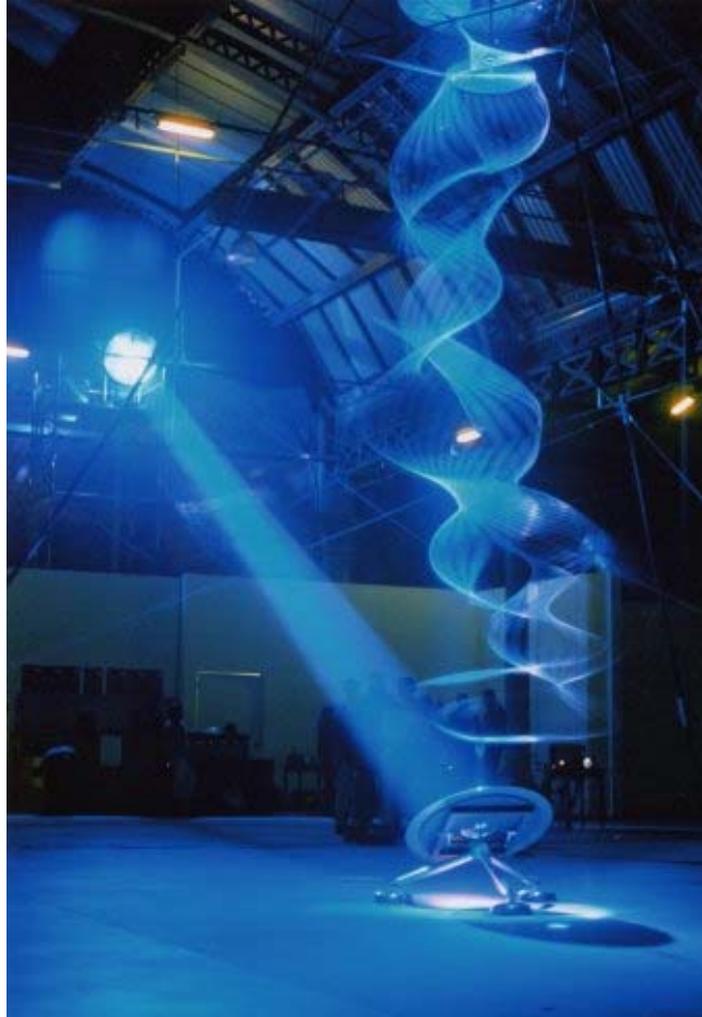
The interactions of the work are curious as it challenges users to place themselves into an unfamiliar situation. I feel this type of interaction is something I should learn from and perhaps recreate.



Monica Bonvicini, *Don't Miss a Sec*

## Week 10

In this week I researched more on Paul Friedlander and his use of kinetic light sculptures art. This week I thought a lot about the imagery I wanted to put on screen and found images that were striking to me.

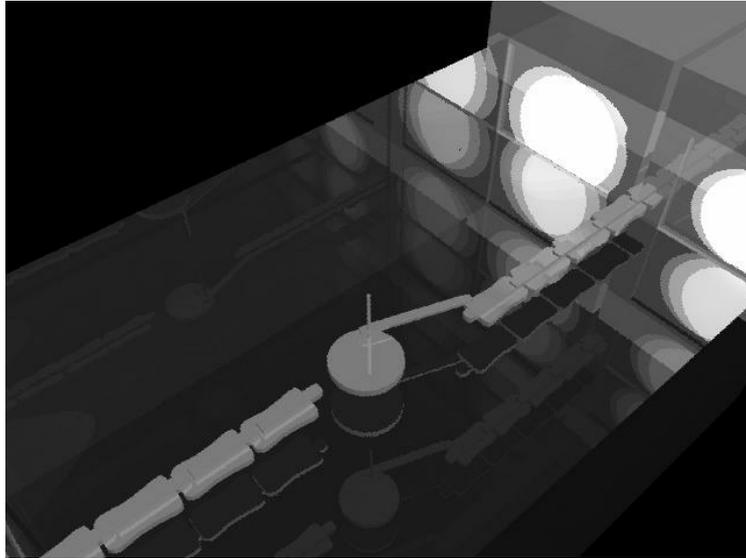


Paul Friedlander, *The Wave Factory*(2000)

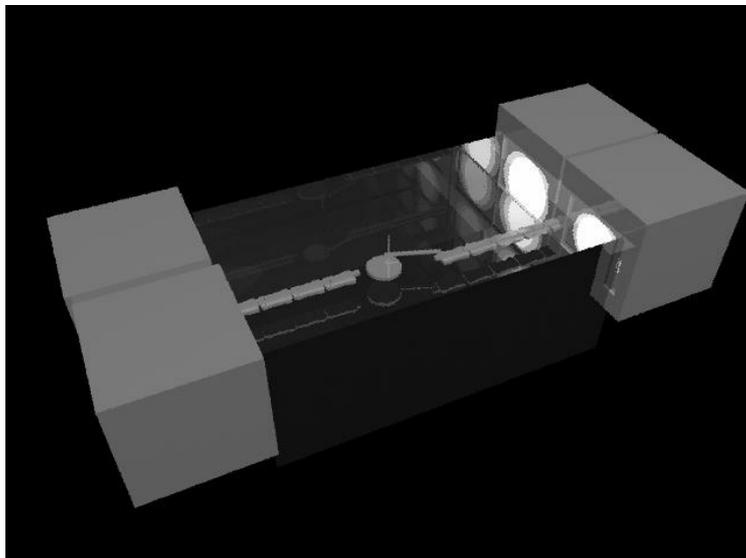
## Week 11

I thought about the coherence between sculpture and monitors. I pondered on whether having the monitors was needed. At the end of this week I decided to make to alter my project so that I use mirrors to make an infinity effect.

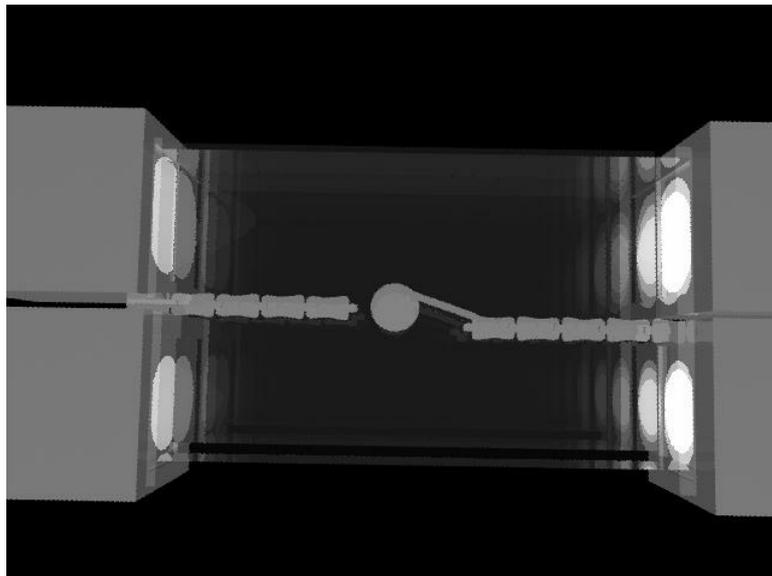
3D prototypes for my mirror idea were developed in Maya. Here are some stills:



The whip and monitor detail from viewer perspective.

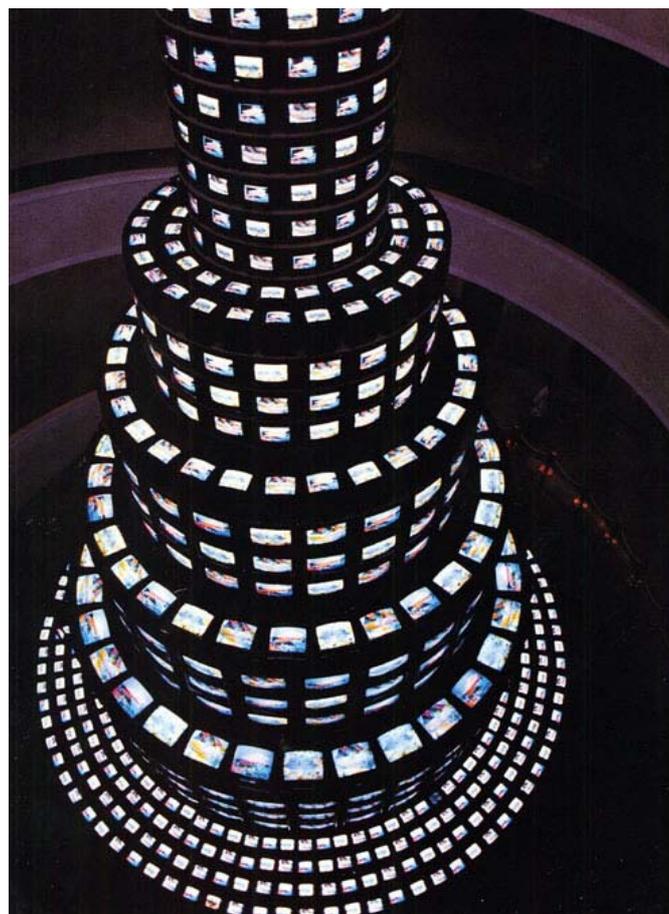


Prototype of full view of installation/sculpture.



Top view of installation/sculpture.

I wanted to make a mirror box that used the infinity effect with monitors I did this because I was inspired by the work of Nam June Paik and his massive video installation. His work reproduces images over and over again. In my previous plans I wanted to just use four monitors and have been questioning why I need 4 and how it would fit in the overall design aesthetic of the work.



Nam June Paik, *The More the Better*, (1988) Three channel video installation with 1,003 monitors and steel structure; colour, sound; approx. 60 ft. high.

In this week I questioned does art have to be literal?

Pros

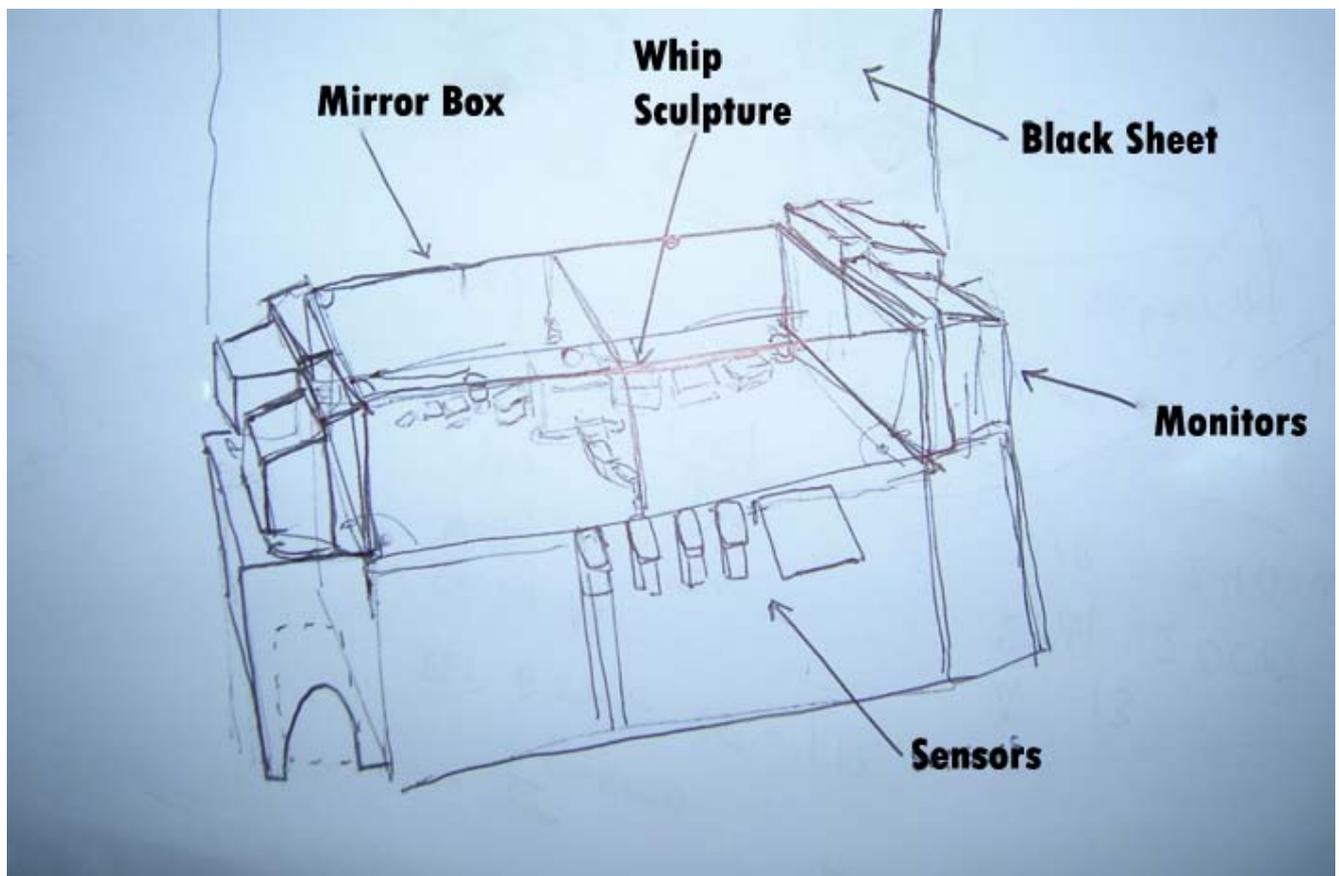
Ordinary people understand any message within the piece.

Cons

People would may create an impression of what the artwork is about straight away and move on, not interacting with the piece.

In conclusion I will just make my artwork and evaluate whether as I go along because there are no guarantees on if viewers would get the message an artist puts out as artworks and what is art is subjective from person to person. Most art is about self expression in whatever form it is. Art would not have progressed if it hadn't been

This week I had strongly considered redesigning my project to use mirrors and the infinity effect. Below is a sketch of my new idea. Not much has changed except I have added more to it like the mirrors also I have decided to just use four sensors simplifying the controls so I can mange the time and the concept more effectively.



## Week 12

One of the biggest problems of the creation of the work is the materials and components are expensive and should only be bought once, which meant creation of the work may not happen in a fluent manner that allows for changes. During week 11 I decided to start planning the costs of the materials I would use as well as what I would do for the final designs.

This week I have decided that I may not make the whip because of the time left. To replace the function of the whip I want to make sculpture of light made of various lights. One of the lights is a rope light that can have a pattern made out of it, also the light has pre-programmed patterns which can be changed by pressing a button. This light flashing and changing could be the distraction the whip was meant to be, I may also let the audience change the patterns.

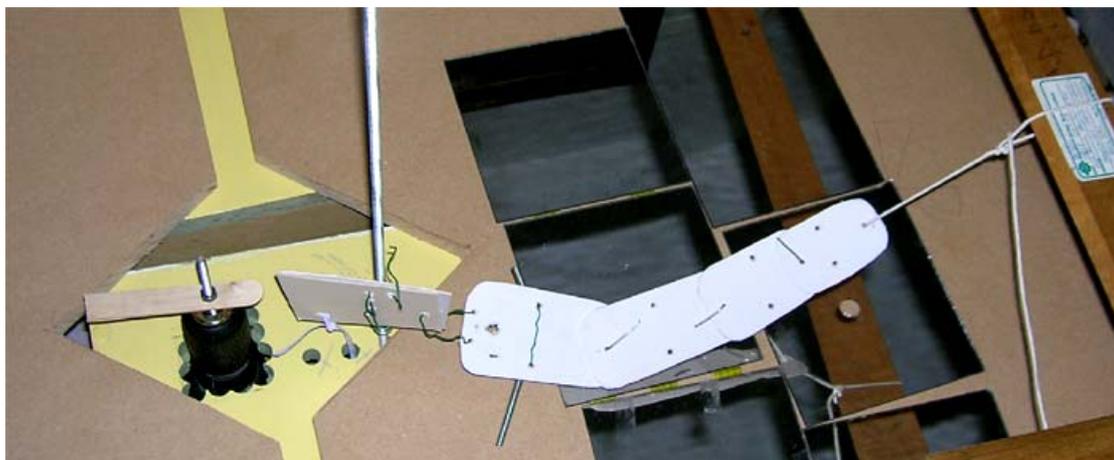
The objects used to make the mirror box for infinity effect were:

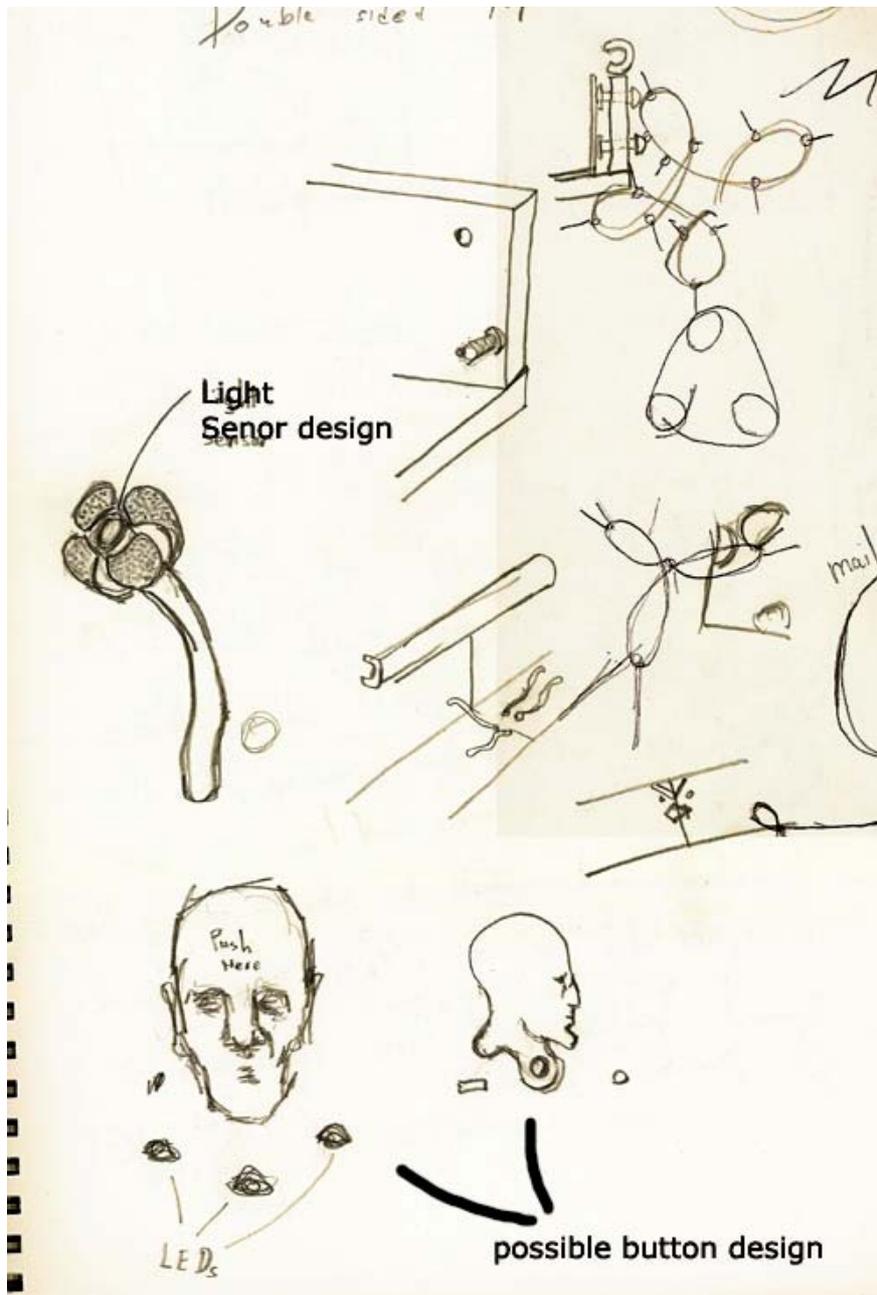
- 2 Mirrors 0.4cm 62cm x 67.4cm cost £ 44.26
- 4 Mirrors 0.4cm x 62cm x 21cm cost £ 26.34
- 2 Glass Panes 0.6cm x 62cm x 75.5cm (for one way mirror) cost £37.34
- Mirror/silver car tint 155cm x 78 cm(for one way mirror) cost £19.99
- 2 MDF boards cost £ 12.99

Lights Objects for sculpture:

- LED Strip
- Neon Ring
- Electroluminescent wire

Here is an image of the last prototype work I did on the whip. It uses a drill as a motor because of the variable speed and torque it has. The motor hits a paddle that shake the reof th links which are held up by string. This design seemed to be sturdy.



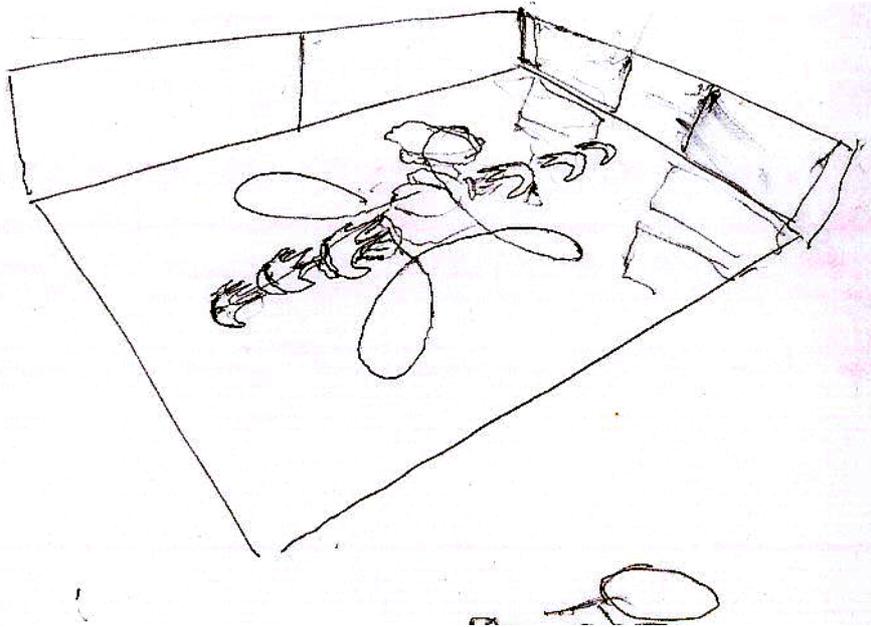


Rough sketch of possible designs looking at inputs.

## Week 13

I bought the mirrors, lights and experimented with the work. The use of the monitors would have to be done when I present when the work is move to the university as I didn't have enough the resources to test it at my home location.

This week I tested out the dual monitor system.



Rough sketch of possible designs looking at how to position things.



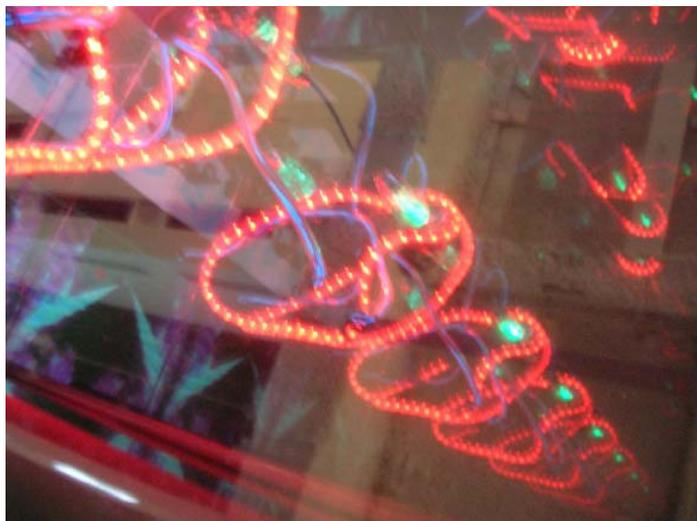
Using Dual Monitors functions with a test Processing patch.

## Week 14

I noticed the infinity effect can be seen in my everyday travels for instance glass in the underground tube reflects the lights in to a distance.



Moved my work up to London and presented it during this week. In the days before presentation I changed the lay out of the layout of the lights of project on a daily basis to get the best possible patterns to suit the environment for the presentation.



Layout of lights in development.