**MAGNITUDE AND FORCE**

**HSoA Advanced Course Diploma 2018**

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**Research**

**All matter originates and exists only by virtue of a force which brings the particle of an atom to vibration and holds this minute solar system of atom together. Max Planck (**German [theoretical physicist](https://en.wikipedia.org/wiki/Theoretical_physicist) whose discovery of [energy quanta](https://en.wikipedia.org/wiki/Quantum_mechanics) won him the [Nobel Prize in Physics](https://en.wikipedia.org/wiki/Nobel_Prize_in_Physics) in 1918.)

Third term and the final term of our Advance course, it was very challenging to even select the topic which could match the standards of my previous topics. I was quite impressed by the universality of Magnitude which is omnipresent from an atom to the universe everything is having its magnitude and force which depends on size, colour, shape, temperature, speed etc.

But what makes an ocean big, isn’t it a water droplet? What is the society, isn’t it a person….I mean to say that everything has got many different or same fragments.

**Idea of duplication**

**The idea of duplication and duality was always there. A ‘His’ to complete ‘Hers’, a ‘Yin’ to complete ‘Yang’. Mirrors are the best example of duality where we see every minute detail of ourselves and we fall in love like Narcissus did.**

**1x1x1x1x1x1x1x1x1x1x1x1x1x1x1x1x1x1x1=1**

**1+1=2**

**2x2x2x2x2x2x2x2x2x2x2x2x2x2x2x2x2x2= a big number**

And so on…. This is how I started my research for the topic “Magnitude and Force”. My paper sculpture ‘breakthrough’ is based on this concept that how one line fragment differs from two line and when four line fragments are attached to each other what kind of tension they experience because of the slight difference of size, shape and colour and sometimes its really impossible to balance them. But they make beautiful shapes when put together.

Working with paper to convert my drawings into sculpture Magnitude grows as concept, fragments of ideas forming alongside the making, the engagement of materiality grows constantly, developing new conditions such as space, form, visibility, emotion, these fragments growing from one line object, into two lines object, three lines and four lines object this can be infinite like the matrix of the universe. While joining these fragments I observed the tension between multiples of fragments, it wasn’t easy to handle the joining of multiple fragments, but new forms developed in a self-metamorphosing system. I observed that the process of making rolls out of flat paper, then making shapes out of those rolls, then joining those shapes and converting them into large sculpture became a symbol of society in my hands its tensions, similarities, balance, attraction, size and symbiotic elements that drive and change our emotional state. But at the same time this work can be connected to anything which is expanding and experiencing external forces.

**Development**

While developing my research work I referred Belarusian artist Andrei Buryak whose art is a present day example of the balance of individuality, traditions and creativity. His work Great Universe gives free play to viewer’s imagination and is saturated with underlying messages.

Everything exists in this world but it matters when it is noticed by the viewer, so it depends on perspective because for an ant a pond can be an ocean and a big stone or a rock can be a mountain. Our earth is very big for us but its not even a dot if we see the space, the universe. My monoprints ‘Bloom ‘are a small model of the cosmos where each small dot has got its own individuality and beauty which is created by some unknown force. Each of us and even smallest particle is a part of this cosmos and has own contribution for the balance which is important for this creation. I have also done a ceramic vase based on the same topic and its spiral shape represents the ‘Infinity’ **of the cosmos.**

**Art Works and Objectives**

#### The three most dissimilar religious philosophies of the ancient world agree in the idea of creation, or transmutation, by Word or Sound. The Pythagoreans held that the Logos called forth the world out of Chaos by Sound or Harmony, and constructed it according to the principles of musical proportion. For this reason, Pythagoras made knowledge of music and mathematics necessary to admission into his schools. Truly and literally the world is a vast orchestra of pulsing vibration, and the "music of the spheres" exists equally for the scientist, as for the man of imagination. *Universal Brotherhood Path* – January 1900,THE PHILOSOPHY OF SOUND — *Charlotte E. Woods*

#### Here I want to mention Scottish artist Katie Paterson’s name and her work ‘Moonlight Sonata', Earth – Moon – Earth. Using a technique known as “moon bounce”, Paterson has sent Beethoven’s Moonlight Sonata, in the form of Morse code, from the Earth to the moon’s surface. This was then reflected off the moon and received back on Earth.

My work **‘Music of Spheres’,** shows the magnitude of sound and different forces responsible for the different kind of sounds, which again depends on the different sizes of the spheres and bells as well. These spheres and bells can also a kind of symbolic representations for anything in our life and even for human beings as well.

Part of my aims became a reframing of materials linked to ideas through aesthetic juxtapositions.I have created different works which further develop these ideas, they are concerned with social layering, with the physical materiality of work and its emotional components.

So many impressionist have used pointillism in their artwork, but Japanese artist ‘Yoyoi Kusuma’ is the contemporary artist who has used dot very beautifully. The polka dots continued to grow and needed more space and Yayoi thus began the series of Infinity Nets, large scale canvasses dotted with a dusting of Kusuma Dots. The number of dots increased dramatically until they spilled over from their medium, invading the easel, the floor and everything they touched, like measles spots infecting everyday objects and even people .

Scientists say that the universe has been expanding since its creation in the Big Bang about 13 billion years ago, keeping in mind the changes I see on my planet, I reach to this point that when anything expands in any way the purpose of the object, relation of object with the boundary and the perspective of the viewer also changes. My work ‘The Dot’ is based on this concept, where the size of a dot increases gradually within the same sized boundary and its purpose and requirements change and lastly the object crosses the boundary and becomes the boundary itself.

Sir Richard Julian Long is a British artist whose sculptures have natural beauty of colours and forms because he has been using natural materials and process for his works. Several of his works were based around [walks](https://en.wikipedia.org/wiki/Walk) that he has made, and as well as land based natural sculpture, he uses the mediums of photography, text and maps of the landscape he has walked over.

**“Every act of creation is first of all an act of destruction.” Pablo Picasso**

This is a rule of nature that creation happens with small or big destruction. Whether it’s a baby coming out of his mother’s womb or a small plant comes out from the soil. Now big fact…our land is 80% volcanic… Close to an erupting volcano the short-term destruction by pyroclastic flows, heavy falls of ash, and lava flows can be complete, the extent of the damage depending upon the eruption magnitude. Crops, forests, orchards, and animals grazing or browsing on the volcano's slopes or surrounding lowland can be leveled or buried. But that is the short-term effect. In the long run, volcanic deposits can develop into some of the richest agricultural lands on earth. ‘The Volcano’ is a work for which I tried to go through the same thing - destruction with force and then the flowing colours leaving behind the ash …not beautiful but fertile… mountains, plateaus, and plains, which subsequently eroded and weathered into majestic landscapes and formed fertile soils.

My objectives in the process of the making of the work looked at the ways in which organic materials I have used. They have a tendency of gradual change according to the law of nature and we are a part of this whole process. Man thinks that his inventions are huge and great, which are - from his point of view but if we notice nature can change everything in a moment.

**Conclusion**

**T*he Universe in a Single Atom*** , a book by [Tenzin Gyatso](https://en.wikipedia.org/wiki/Tenzin_Gyatso), the 14th [Dalai Lama](https://en.wikipedia.org/wiki/Dalai_Lama) states that Buddhists believe the primary purpose of life is to eliminate suffering. The Dalai Lama has no objection to [cloning](https://en.wikipedia.org/wiki/Cloning), only if it is based in altruistic motivation. The Dalai Lama supports the [human genome project](https://en.wikipedia.org/wiki/Human_genome_project) because it shows the difference between different ethics is minimal at best. Expansion of anything is required but according to the laws of the nature. Changes occurred when dinosaur were existed ….changes will occur if humans will not be there…but why should we invite destruction before time we should go with the flow of time not against it.

Art and Science both have immense power to heal, let’s use them positively.

**Bibliography**

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**Week Wise Development**

**Week 1- A.** Mind Maping **B.** Discussion with Mr. Martin and Ms. Anat regarding material and topic related experiments **C.** Reference of Anish Kpoor’s works and studio set up

**Week 2-** **A.** Discussion Magnitude and Sound related projects with Ms. Lydia **B.** Reference work of artists Michael Johansson, Ai Wei Wei, Neena Singh, William Forsyth, Doris Salcedo, Danian Ortega and Picasso

**C.** Experiment of wax with Mr. Martin **D.** Discussion on scale with Mr. Leon Platt

**Week 3- A.** Discussion about destruction and creation with Mr. Leon Platt (All the discussions helped me to move further in research and projects related to Magnitude and Force)

**Week 4-** **A.** Experiments of Volcano in Print Making class with Ms. Theresa **B.** Idea of Tectonic Plates with Mr. Martin and Ms. Lydia **C.** Studio Set up

**Week 5- A.** Finalized projects of **Bloom, Volcano, Sound, Infinity, dot** andstarted working on final art works which was continued till 3rd of July.

During the development of the works I had a very valuable discussions with Dr. Ethine Healy , Ms. Isabel Langtry and all the tutors of Advance course.

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