

# THE STORY OF LIGHT



## THE STORY OF LIGHT FESTIVAL

A not-for-profit initiative for the International Year of Light 2015

**5 DAYS | 45 STORIES | ALL FREE TO ATTEND**

INSTALLATIONS - PERFORMANCES - WORKSHOPS - TALKS - SCREENINGS - KIDS ZONE - F&B - MUSIC

14-18 JANUARY 2015, 10:30 AM TO 10 PM

GOA, INDIA

(❖ 10 AM TO 10 PM

★ POST SUNSET

⊕ UNTIL SUNSET

⊙ SCHEDULED)

### MIRAMAR BEACH – STAGE

⊙	Wed, 14 <sup>th</sup> 19:00-20:00			<b>OPENING CEREMONY</b> Join us in the opening ceremony of The Story of Light festival, India's first art-meets-science fest exploring the intersection of science, philosophy, and culture through art and design. The inauguration will be followed by a performance by a group of fire jugglers from Auroville.
⊙	Thu 15 <sup>th</sup> 19:00-20:00	IN	Pramod Pathak	<b>TALK – SOLAR ENERGY &amp; SOLAR WATER DISINFECTION</b> Light from the sun is one of the most promising sources of clean energy. Dr. Pramod Pathak has explored the possibility of using solar energy for water disinfection using used glass bottles in cheap acrylic boxes. A combination of the ultra-violet radiation from the sun and the concentrated heat can effectively eliminate the majority of the harmful bacteria in the water.
⊙	Thu 15 <sup>th</sup> 20:00 to 22:00	IN	Assagao 6	<b>SCREENING – ZANEL</b> A curation of short films showing the reflection of light in various ways, from the politics of light (surpluses + deficits globally) to its appeal in relation to physical and mental space.
⊙	Sat, 17 <sup>th</sup> 18:30-19:00	IN	KYTA	<b>SCREENING – ALPHA</b> KYTA (Karma Yatri Travel and Art) is an experimental residency program where 10 artists had to work towards a unified artistic result that brought all their expression and expertise together in a period of one month. Alpha is the artistic result of KYTA – a tribute to light.
⊙	Sat, 17 <sup>th</sup> 19:00-19:30	IN	SRISTHI SCHOOL OF	<b>PERFORMANCE – THE CIRCUS OF LIGHT</b> Sublime Gallery and the Prestige Group in collaboration with the



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			ART, DESIGN & TECHNOLOGY	Srishti School of Art, Design and Technology present The Circus of Light - A travelling sonic zoo with performances by flickering robotic creatures that are driven by light.
⊙	Sat, 17 <sup>th</sup> 19:30-20:00	NL	Deshna Mehta, Nihar Desai, & Sanjana Nanodkar	<b>SCREENING – BRING TO LIGHT</b> Stories behind the stories revealing the insights, inspirations and the moments of revelation that brought to light / that led to the manifestation of the various installations and performances at 'The Story of Light'
⊙	Sat, 17 <sup>th</sup> 20:00-21:00	IN	FLAMES	<b>PERFORMANCE – AN EXPLOSION OF LIGHT</b> This performance piece -- created by a group of teenagers from Auroville an international township in Tamil Nadu -- uses fire spinning and juggling. The group, working together for 4 years now, not only seeks to interpret the formation of the universe but also questions the element of fire, its power and mysticism. This piece also strives to remind us of the power of all the elements that surround us. However, here, these performance artists directly interact with fire, and manipulate it to create a striking visual experience.
⊙	Sat, 17 <sup>th</sup> 21:00-22:00	AU	Elemental Poets	<b>PERFORMANCE – ELEMENTAL</b> Elemental is a unique exploration of science, mind and the infinite universe, juxtaposing the words of world-renowned science writer John Gribbin with the works of poets, musicians, sound and video artists.
⊙	Sun, 18 <sup>th</sup> 19:00-19:45	ES	Ivan Lucas	<b>PERFORMANCE – 360 HANDS</b> From the very beginning of the festival, the artist will document the festival from multiple points of view, being able to show the artistic side, the scientific side, the luminous side, the dark side, everything in one piece, as a single whole. He will perform a night live show combining music with live visuals, using analogic and digital instruments.
⊙	Sun 18 <sup>th</sup> 20:00-22:00			<b>CLOSING CEREMONY</b> Join us in the closing ceremony and celebrate light with Sandunes, Live Cinema Project, Viktor Furiani, & BLOT!

## MIRAMAR BEACH – BEACH SIDE



IN  
Divya Karnad,  
Waylon  
D'Souza, &  
Apoorva Raina

**PUBLIC INSTALLATION – LIGHTING THE WAY**  
Baby turtles use the moonlight to guide themselves toward the sea as they emerge from their nest, owing to their sensitive sense of vision. But what happens when the blinding presence of strobe lights and floodlights on the beaches confuse them?



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UK	Jaden Hastings, Melanie King	<b>PUBLIC INSTALLATION – PHOTOPHOESIS</b> Photopoesis harnesses the sun’s energy and our material connection to the broader universe as the inspiration to create the world’s largest cyanotype in the waters of Miramar beach.
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IN	Ragini Bhow & Treeya Brooks	<b>PUBLIC INSTALLATION – WAVELENGTH</b> A series of installations on Miramar beach and its waters, Wavelength allows the visitor to act as an observer in contemplation of the present moment with light as the natural demarcation of time.
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IT	Silvia Verdolini & Manuel Scortichini	<b>PUBLIC INSTALLATION – LIGHT IN REFLECTION</b> Light in Reflection is a game where light coming from few spotlights can be “transported” by multiple reflections off rotating mirrors. When light reaches the target, it reflects out of the installation in a rainbow of colors. The installation is in the shape of the golden spiral, which is found in nature in the most diverse situations: from the structure of a shell, to the patterns created by the seeds of a sunflower up to vast galaxies. With this installation, the artist would like to convey that there are always many paths to reach a goal or state of mind, but there should be a general sense of moving in the same direction and contributing to the same cause.
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JP- IT	Tsuneo Sekiguchi & Giulia Moiraghi	<b>PUBLIC INSTALLATION – RAINBOW HUT</b> Rainbow-hut is a space where people can admire the magic of rainbow-light and learn about the effect of colours on humans.
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Sun, 18 <sup>th</sup> Sunset	IN	Miti Desai	<b>PERFORMANCE – WITHIN AND WITHOUT</b> Performed at sunset, this Mohiniattam performance explores the light deep inside the human body through the medium of classical Indian dance. The result is a journey through movement expanding, exploring, experiencing that which is Within & Without.
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All days 10:00 to 13:00	IN	Dr. Pramod Pathak	<b>WORKSHOP – SOLAR COOKOUT</b> The Goa Energy Development Agency will hold a workshop on solar cooking. Come to cook your food in over 25 solar cookers. Take a walk around the installation space when your food is being cooked and return for a hearty meal.
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Thu 15 <sup>th</sup> , Fri 16 <sup>th</sup> , Sat 17 <sup>th</sup> 8:00 to 10:00	US	Christine Fowle	<b>WORKSHOP – ILLUMINATING THE MIND</b> Guided discussions and meditations that will help the participants explore the farthest reaches of their minds, perception, and sense of self. This workshop will take place around the Rainbow Hut.
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Fri, 16 <sup>th</sup> 19:00-22:00	CZ	Andrej Boleslavský & Maria Judova	<b>WORKSHOP – LIGHT PAINTING</b> Light painting is an old technique of drawing with light on a camera shooting with long exposure time. The artists upgrade this
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technique by using contemporary open-source platforms such as Arduino to push the boundaries.

© Sat 17th, Sun  
18th  
16:00-18:00

IN Margarita  
Safonova &  
Sreejith AG

## WORKSHOP – HIGH ALTITUDE SCIENCE

High-altitude balloons are unmanned balloons, usually filled with helium or hydrogen. In this hands-on workshop by scientists from the Indian Institute of Astrophysics, participants will send a hydrogen balloon to a height of around 150 to 200 feet.

## OLD GMC



CZ Andrej  
Boleslavský &  
Maria Judova

## PUBLIC INSTALLATION - ARCHIBIO

Archibio is a public installation that warps a person's faculties into exploring microscopic organic systems, using video mapping, on an incredible scale. The project focuses on microscopic worlds in nature, magnifying them onto large scale public spaces, such as building facades and blank walls in a bustling public square.



IN Adhya  
Educational  
Society

## PUBLIC INSTALLATION – THE STORY OF LIGHT, A SPECTACLE

A public installation using black lights and glow in the dark pigments creating a live kaleidoscope that visitors will walk into and engage with the story of human history through time and space as told by light.



US Alejandro  
Borsani

## PUBLIC INSTALLATION – THE ORIGIN OF CLOUDS

The Origin of Clouds derives from an experiment to study the formation of clouds that appeared within the larger context of weather phenomena research at the end of the nineteenth century. The experiment failed in explaining this phenomenon and was never able to provide a better understanding of clouds, storms or lighting, but made an unexpected discovery by enabling the visualization of fundamental particles for the first time. This "accident" became the visual proof of the existence of the sub atomic world and had a profound influence in the research of atomic energy.



IN Deepti Datt

## PUBLIC INSTALLATION – A SĀDHANĀ IN LIGHT

The very essence of sādhanā, or practice, is enlightenment. The artist has identified sixty-four ancient Tantric Yoginis, an interpretive way of seeing the global re-emergence of the feminine archetypes. Four of them are presented here.



IN Deshna D Mehta

## PUBLIC INSTALLATION TO OBSERVE IS TO CHANGE

Without an observer, there is no observation. Is it that the observation creates the observer or does the observation emanate from the observer? The nuances of these complexities led to the exploration of quantum physics and eastern mysticism expressed metaphorically through a performative installation, 'To observe is to change' offering an understanding of reality in the



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context of the present moment.

## FRAMES OF REFERENCE

A visual depiction of the standpoint 'Absolute reality lies in the relative' is an attempt to depict that every individual perceives the world through a frame of reference. Drawing from the theory of Manifoltness (Anekantavada) in Jainism, Frames of Reference is a metaphorical statement which re-iterates the Jain philosophy through a performative installation.

- ❖ IN Dilnaaz Mehta & Shrinivas Ananthanarayanan  
**PUBLIC INSTALLATION – LIGHT & STRING**  
An interactive installation that explores the inter-connectivity of the cosmos and its physical manifestation on earth. Believing that everything on this planet is connected through an intricate invisible network, this installation aims to explore consonance between networks; the human brain and the world wide web. The audience will be encouraged to participate, creating their own connections and pathways to complete the installation.
- ❖ IN Dhwani Shah  
**PUBLIC INSTALLATION – VARIEGATED**  
The term 'Variegated' is an adjective that means 'exhibiting different colours, especially as irregular patches or streaks.' This installation explores the human experience of Vitiligo, a pigmentary autoimmune disorder.
- ❖ US Ishac Bertran & Jonathan Wohl  
**PUBLIC INSTALLATION – TALKING**  
The process of visual perception is most often taken for granted — we use our eyes and brains to make sense of the world as naturally as we use our lungs to breathe. Talking is an artistic research project exploring perception and communication, and thinking about what it means to place these processes into machines. They create a playful environment through which visitors can gain a deeper understanding of the human perceptual process.
- ❖ IN Kaushal Sapre & Midhun Mohan T.  
**PUBLIC INSTALLATION – HEISENBERG'S MICROSCOPE**  
This installation delves into the notion of probability in physics over a game of chess. Heisenberg's Microscope consists of a camera positioned over a chessboard in a semi-dark room, with lit chess pieces. The game is timed by a chess clock, and the camera is set on long exposure, capturing a frenzy of movements in chaotic yet beautiful streaks of light.
- ❖ IN Manimal Collective  
**PUBLIC INSTALLATION – NEW LIGHT**  
Is red light hot or cold? New light revolves around the concept of light frequency and its relation to sound.
- ❖ IN Matthew Daniels  
**PUBLIC INSTALLATION – NON-DUALITY**  
Light has a dual nature. It exhibits both wave and particle



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IN NID

properties. What does this really mean? This indoor installation exposes the dual nature of light.

## **PUBLIC INSTALLATION TURNING HEADS**

Flowers track the sun across the sky, trying to seek its warmth. This installation mimics the Arctic Poppy found only in the harsh, Arctic conditions of the northernmost parts of Scandinavia as it tracks the direction of light. Visitors can interact with the flowers by playing with the light and shadow falling on them.

## **SHAPING SIGHT**

Playing with light and shadow has been an integral part to photography to bring out different expressions and feel to the subject. Light is an important element to understand how things appear. In this installation, take a selfie with light illuminating your face from different directions, revealing newer perspectives.



IN Ritika Karnani

## **PUBLIC INSTALLATION – LIGHT + TIME**

Light has always been integral in the perception of time by human beings. This experiential installation helps the audience to experience the passing of time using each of their individual senses without the support of sight.



IN Sachin Pillai &  
Nikunj Patel

## **PUBLIC INSTALLATION – INFINITY**

Using a simple feedback loop with projection and cameras, this audiovisual installation allows you to look within yourself, infinitely.



IN Sayantan  
Maitra Boka

## **PUBLIC INSTALLATION – ILLUSION IN MOTION**

Optical illusions are fascinating and also teach us about our visual perception, and its limitations. Illusion in Motion emphasizes on the beauty of perceptual phenomena through an interactive experiment.



IN Sharath  
Chandra Ram

## **PUBLIC INSTALLATION & PERFORMANCE – TRAFFIC**

This projection-based installation combines local radio, media, and scavenged objects into an evolving sequence of light and sound.



IN Punith N & Sruti  
Visweswaran  
(CEMA, Srishti)

## **PUBLIC INSTALLATION – LIGHT YEARS**

Light Years looks at modern memory by artificially fossilizing artefacts in a kinetic sculpture curated by light. The curation process uses natural light to solidify light-sensitive resin, directed to the sculpture using mirrors. The work invokes in form and process the dual nature of lights as we understand it – one which we make, the artificial, and the other which makes everything around us.



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⊙	Wed 14 <sup>th</sup> , Thu 15 <sup>th</sup> , Fri 16 <sup>th</sup> , Sat 17 <sup>th</sup> 10:00 to 16:00	IN	Abhiyan Humane	<b>WORKSHOP AND EXHIBIT – LIGHT AS A CURATOR</b> Natural sunlight acts as the medium through which this public installation begins to take shape and form. Using cyanotype printing, a technique in printing, the exposure to ultraviolet light from the sun allows predetermined images to appear on canvases made from cloth or paper, as the day progresses. Images dipped in chemical solutions will be placed, on large scales around the city, gradually coming to life.
⊙	Wed 14 <sup>th</sup> , Thu 15 <sup>th</sup> , Fri 16 <sup>th</sup> , Sat 17 <sup>th</sup> 14:00 to 17:00	FR-IN	Viktor Furiani & Samvida Nanda	<b>WORKSHOP – A CLOCKWORK BLUES</b> A Clockwork Blues is an experimental storytelling project, which cultivates lights to bring life to a Paper Theatre folded in a book. It is a multi-modal art installation that is intuitive, accessible, and reactive to its participants and environment. The Clockwork Blues Project regroups these different components and introduces the workshop as an open narrative system.

## MANDOVI PROMENADE OPP OLD GMC

❖		US	Gene Kogan & Alec Schachner	<b>PUBLIC INSTALLATION – STARSTOMP</b> Starstomp is an immersive interactive audiovisual environment that takes you into the stars. The audience is invited into a space where their every movement generates light and sound, creating a dreamscape of our cosmos.
❖		IN	Flora Calio Leite de Barros & Samira Marana	<b>PUBLIC INSTALLATION &amp; PERFORMANCE -- STIMULI</b> Stimuli is a research about the connection of individuals with the environment that surrounds them. In a life-sized camera obscura a performance and soundscape encourage you to question on how one can see the world differently through other senses if excluding totally vision. Stimuli tries to work around the idea that the reality we live in can change according to how we perceive it.
❖		IN	Subodh Kerkar	<b>PUBLIC INSTALLATION – MANY COLOURS, ONE WORLD</b> Walk into a tunnel with red, blue and green lights to play with your shadow. What colour do you think it would be? Many Colours:One World celebrates both the unity and plurality of the world and can be interpreted at different levels.
❖		IN	NID	<b>PUBLIC INSTALLATION – LIVELY UP YOURSELF</b> An interactive installation exploring the inseparable nature of light and colour. A series of suspended light pipes explore the scientific principles of scattering of light and light diffusion. The installation responds to touch, just as we transform each other through our interactions.

## ST. INEZ CREEK

★		IN	Zuri Camille de Souza and	<b>PUBLIC INSTALLATION – FLOATING FLOWER GARDEN</b> Through water-purifying floats that run on solar energy and the
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Kaspar Flueck

natural functions of plants, Floating Flower Garden demonstrates how we can use plants, and how plants use light energy, to remove and cleanse toxins and heavy metals from untreated water.

## MENEZES BRAGANZA AUDITORIUM

⊙	Sat, 17 <sup>th</sup> 19:00-20:00	NL	Pedro Russo	<b>TALK – THE HIDDEN STORY OF SHADOWS AND SCIENCE</b> Talk (and DIY workshop) that explores the hidden world of shadows and its important for the understanding of our universe.
⊙	Sat, 17 <sup>th</sup> 20:00-22:00	IN	Jayalakshmi Eshwar & Blot!	<b>PERFORMANCE – ANTARIKSHA SANCHAR</b> Sound and video artists BLOT! collaborate with Bharatnatyam exponent Jayalakshmi Eshwar and Quicksand GamesLab to produce a performance on universal transmission that will leave you awestruck. Seats on a first come first serve basis.

## PANJIM CHURCH SQUARE

★		IN	Arjun Rathi	<b>PUBLIC INSTALLATION – WE ARE BEINGS OF LIGHT</b> The project looks to explore this concept of "light beings" and the "chakras" that compose them. The installation will explore the intersections of geometrical forms associated with each chakra to create installations of light.
❖		PH	Rafaella Las & Dan Scotti	<b>PUBLIC INSTALLATION – COSMIC FINGERPRINT</b> Cosmic Fingerprint is a visual representation of the light signals that we, as a species, transmit across the planet, and subsequently out into the universe. All of our broadcasting equipment is based on the use of different frequencies on the electromagnetic spectrum. These light waves exist throughout the universe. But here on Earth we utilize them in the transmission of data, most commonly in the form of Radio and Television. These otherwise natural occurrences are imprinted with an unmistakably human fingerprint, and since the first radio broadcast in the 1890's have been breaking free of our world, traveling at the speed of light forever out into space. Continue your climb onto the Panjim Church steps to look down into an infinite video tube.
❖		IN	Vishal Rawley	<b>PUBLIC INSTALLATION – THE STAR OF PANJIM</b> Augmenting the already-present beauty of the Panjim Church is a giant star. Call up the star and be quizzed on light. If you're right, watch the star light up! You can also record and leave a message for the public, which would be displayed on the project website.

## CITY WIDE

★		IN	Abhinav Mishra & Vinay Hasija	<b>PUBLIC INSTALLATION – KAVAK PRAKASH</b> Kavak Prakash is a tribute to the beauty and exquisiteness of bioluminescent creatures in nature. Bioluminescence is the
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production and emission of light by a living organism. These creatures, spread around the city, attempt to personify breathing organisms that use light and colours to communicate, such as the firefly, the glow worm or the anglerfish.



IN Kunal Edwankar & Co.

## PUBLIC INSTALLATION – GUERRILLA LIGHTING

Guerrilla lighting is a war on bad lighting, it is a pop-up protest against wasteful use of light, but most of all, it is about having fun and raising the awareness of the power of light. Watch the Guerrilla's light up Panjim's poorly lit spaces.

## GOA SCIENCE CENTER – WORKSHOPS AND PERFORMANCES

☉	Thu, 15 <sup>th</sup> 11:00-13:00	IN	Universe Simplified	<b>CHILDREN'S WORKSHOP – SOLAR-ED</b> In this hands-on workshop, children learn about solar energy and make a solar panel and a solar car.  Classes: 5 <sup>th</sup> 6 <sup>th</sup> 7 <sup>th</sup> Seat Limit: 50 (register online)
☉	Thu, 15 <sup>th</sup> 14:00-16:00	NL	Sterrenlab	<b>TEENAGER WORKSHOP – STOP TIME WITH A STROBOSCOPE</b> In this hands-on workshop, children make a stroboscope and learn how to stop time.  Classes: 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> Seat Limit: 35 (register online)
☉	Thu 15 <sup>th</sup> to Sun 18 <sup>th</sup> 15:00-16:30	AU	Elemental Poets	<b>PERFORMANCE – ELEMENTAL</b> Elemental is a unique exploration of science, mind and the infinite universe, juxtaposing the words of world-renowned science writer John Gribbin with the works of poets, musicians, sound and video artists.  Seat Limit of Goa Planetarium: 50 (drop in)
☉	Fri, 16 <sup>th</sup> 11:00-13:00	NL	Sterrenlab	<b>CHILDREN'S WORKSHOP – STORY TELLING WITH PHOTOSENSITIVE ART</b> In this hands-on workshop, children tell various stories of light with photosensitive art.  Classes: 5 <sup>th</sup> 6 <sup>th</sup> 7 <sup>th</sup> Seat Limit: 50 (register online)
☉	Fri, 16 <sup>th</sup> 14:00-16:00	IN	Universe Simplified	<b>TEENAGER WORKSHOP – SOLAR-ED</b> In this hands-on workshop, learn about solar energy and make a solar panel and a solar car.  Classes: 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> Seat Limit: 50 (register online)



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⊙	Sat, 17 <sup>th</sup> 11:00-13:00	IN- NL	Universe Simplified + Sterrenlab	<b>CHILDREN'S WORKSHOP – THE SPECTRUM OF LIGHT</b> In this hands-on workshop, children will learn about the entire spectrum of light through various activities such as making a burglar alarm using IR light, seeing and hearing IR light and making a CD Spectroscope.  Classes: 5 <sup>th</sup> 6 <sup>th</sup> 7 <sup>th</sup> Seat Limit: 50 (register online)
⊙	Sat, 17 <sup>th</sup> 14:00-17:30	IN	Daflabs	<b>TEENAGER WORKSHOP – REACTIVE ORB</b> In this hands-on workshop, teenagers learn to make a reactive orb: a tap sensitive orb that lights up with a unique colour for each tap.  Note: Participants are required to carry a laptop to this workshop.  Classes: 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> Seat Limit: 35 (register online)
⊙	Sat, 17 <sup>th</sup> 15:30-17:30	IN	Madhulika S	<b>TALK – USING ART IN SCIENCE EDUCATION</b> In this hands-on workshop for educators and teachers, Madhulika S from Adhya Educational Society will share tips, tricks, and workplans on using art in science education.  Seat Limit: 100 (drop in)
⊙	Sun, 18 <sup>th</sup> 11:00-13:00	IN- NL	Universe Simplified + Sterrenlab	<b>TEENAGER WORKSHOP – THE SPECTRUM OF LIGHT</b> In this hands-on workshop, teenagers will learn about the entire spectrum of light through various activities such as making a burglar alarm using IR light, seeing and hearing IR light and making a CD Spectroscope.  Classes: 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> Seat Limit: 50 (register online)
⊙	Sun, 18 <sup>th</sup> 14:00-17:30	IN	Daflabs	<b>TEENAGER WORKSHOP – TOUCH ME NOT</b> A 3-4 hour workshop aimed at teaching kids the building blocks of electronic systems. The kids will be taught about the components of such a system, how to put them together and program them to react to touch. The kids will be taught how to make a flower that reacts with light when touched.  Note: Participants are required to carry a laptop to this workshop.  Classes: 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> Seat Limit: 35 (register online)



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