



AURO
DESIGN
SCHOOL/
WINTER
PROGRAMME/
2017

NOV27-DEC13

AURO DESIGN SCHOOL

Auro University is striving for providing integral, integrated, transformable education to create its own culture. 'Design' is an activity that has always been central to the creation of culture. Auro Design School will be that driving force that defines and expresses these concepts by providing freedom to express, experiment and grow freely and organically. Design is the most powerful social and ecological tool with which human beings shape their environment of various places in space and time. Free and organic in nature, the design school environment would allow students to develop their own independent, unique personality by choosing their own path.

Winter Program 2017 / Workshops

WW01 / Poetics of Bamboo

– Vicky Achnani, Avinash Engineer

WW06 / Zardosi Work

– Binita Pandya

WW02 / Digital Design + Fabrication

– Chirag Rangholia, Harsh Patel

WW07 / Marquetry

– Binita Pandya, Rakesh Petigara

WW03 / Tie and Dye

– Rajesh Sagara, Praveena Mahicha

WW08 / Print and Print-making

– Rajarshi Smart

WW04 / Kalamkari

– Rajesh Sagara, Praveena Mahicha

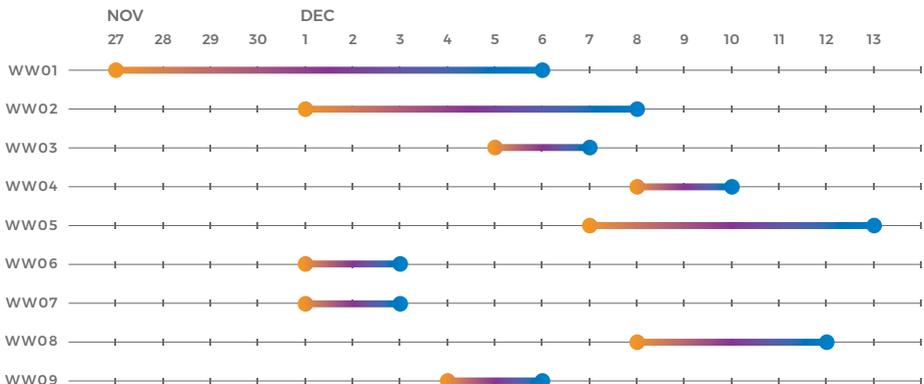
WW09 / Portraits 101

– Puja Kedia, Rahul Kedia

WW05 / Claymation

– Shayar Gandhi, Abhijit Pariyal

Winter Programme 2017 / Schedule



Typical Session Timings

Session I: 9a–12p / Lunch / Session II: 1p–4p

Note: On-campus accomodation complimentary for participants from outside Surat city (subject to availability).

The Winter Programme at Auro Design School brings together expert practitioners of craft and design technology for intense workshops. With various topics spanning the creative landscape, these workshops enable you to move further in your profession, or add a skill to your repertoire. Students and professionals can all gain from these workshops by focused learning in a creative setting.

WW01/

POETICS OF BAMBOO



Course Instructor/ Vicky Achnani

Vicky completed his undergraduate studies from CEPT University. He has conducted various workshop-based courses related to making and physical–digital fabrication at CEPT and at other institutes. He runs a small practice based at Surat, where they experiment with materials and true-scale models.

He is associated with CEPT as an AA since 4 years and is currently associated with Auro Design School as a visiting faculty.

He is constantly involved in courses related to construction and material studios. His core interest lies in making.

Avinash Engineer

Avinash completed his undergraduate studies from CEPT University, after which he worked in architecture firms in Surat and Goa.

Growing interests in natural resource management, conservation and restoration, along with a strong inclination towards understanding ecology and ecosystems drove him to pursue a Master's Degree in Landscape Architecture.

For the past eight years, he has been teaching at various design and architecture colleges. He emphasizes hands-on working with materials and deeper exploration into processes and techniques.

This intense technique-based workshop on making covers material properties, behaviour, tooling, and manufacturing techniques to arrive at live scale execution of an architectural form using bamboo as the principal material.

Gist of this workshop is to develop an ability to visualize and articulate form in a material through set of joineries while further clarifying to sequence of construction immensely involved in process of making.

This workshop is an intense, hands-on undertaking to understand bamboo as a material and the ways in which it can be employed in building architecture through details and fabrication of components coming together in an assembly. It emphasizes on developing ways of working with material through working prototypes as well as sessions along with artisans leading to explorations relationship of parts coming together in an assembly through set of details.

Work at local / regional / global scale to develop an architectural form out of a material system. While designing a component, one not only needs to integrate the possibilities and limits of making and self-forming tendencies and constrains of materials, but also needs to anticipate the process of assembly of a component collective, opening up the possibility for building up a large system.

Therefore—

- To understand concept of joinery through making
- To understand material behaviour, property in relation to form
- To understand significance of geometrical forms and joinery and its behaviour under applied force as a means to transfer load
- Devise sequence of construction through making in live scale

Final Output

- Live scale architectural form: Pavilion 4x6 metres
- Working prototypes
- Material translation models

Start Date / Duration

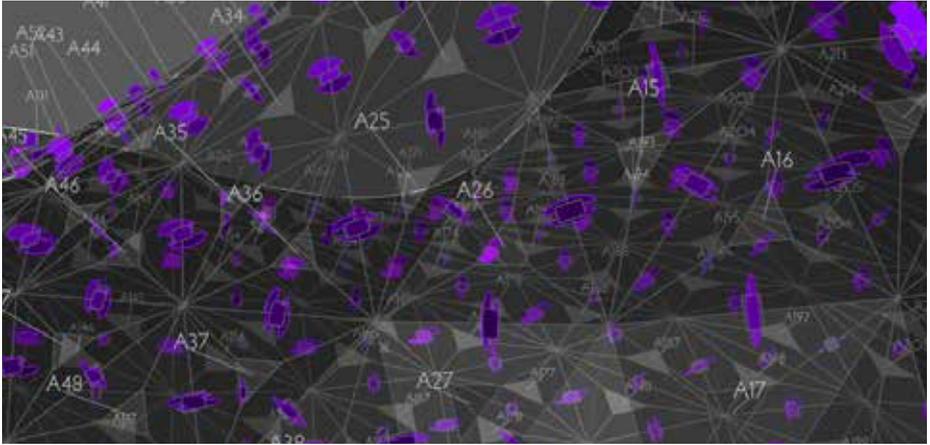
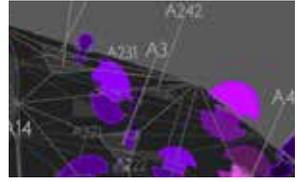
Nov. 27—Dec. 6, 2017
/ 10 days

Fees

High-school Students: Rs. 1500, College Students:
Rs. 5000, Graduates / Professionals: Rs. 10000

WW02/

DIGITAL DESIGN + FABRICATION



Course Instructors/

Chirag Rangholia

(Architect | M. Arch.—Fab Academy Graduate)

After Studying architecture at CEPT University, Ahmedabad, India, he pursued a Masters degree at IAAC, Barcelona, Spain where he developed interdisciplinary skills of territorial, architectural and algorithmic design operations. Further he excelled in digital tools and advanced manufacturing technologies by graduating Fab Academy. Since 2014, he is a partner at Noumena. Parallel to that he is a coordinator at RESHAPE – digital craft community, and leading the project NERO | Networking Environmental Robotics. He has also been tutor at IAAC and Fab Academy. Currently, he is setting up D3lab | Digital Design Dimensions; an applied innovation design lab in India.

Harsh Patel

Architect

Harsh is developing an architectural practice addressing residential and industrial needs, while having a focus on product, element and interface design. He studied at CEPT University, India; where he developed his interest in design and making of things with material exploration and application. He engaged himself in research and evolution of flexible, adaptable and portable systems as an architectural response to high transient human life, while studying at Akbild, Kunstst Academy, Vienna. He is furthering his inclination by taking deep interest towards computational design and digital fabrication. In association with Noumena, he has partnered to set up D3lab | Digital Design Dimensions in India.

The workshop allows participants to develop skills on computational design.

According to the parametric design strategy, the building form should not be superimposed. An overview of building science and generative techniques will be provided to link form and performance. Participants will also gain insight on which computer tools are involved into the design process of built environments. The computational approach enables designers and architects to overcome the imposition of a prefixed form in order to enhance performance-driven design. The winter school workshop will be divided into four main parts:

A: Tooling

Initially, the workshop introduces parametric modelling and design to participants, builds the necessary skills for addressing the technical challenges of using analysis to inform design strategies.

B: Generative Strategies

Form behaviour, analysing and form finding design strategies, response to architectural, urban and environmental contexts. Material system behaviours will be digitally translated into parametric models.

C: Optimization

Applying practically through a hands-on experience in using cutting-edge simulation tools that will equip architects with metrics that support the design of project in surrounding spaces.

D: Fabrication and prototyping

The participants will learn how to prepare their designs to be fabricated by using laser cutter, 3d printer, CNC and related technologies.

SCHEDULE

- Day 1, 2: Lectures on parametric design, modelling. Introduction to Rhino
- Day 3, 4: Introduction to Grasshopper3d for computational design methods
- Day 5, 6: Group-based design competition
- Day 7, 8: Pavilion prototyping at 1:20 / 1:10 scale

REQUIREMENTS

- Basic knowledge of Rhino and Grasshopper3d are requested
- All participants will receive the list of software and plug-ins to install 1 week before the workshop
- Participants will get a specific documentation about the topics that will be covered during the seminar

Start Date / Duration

Dec. 1–Dec. 8, 2017
/ 8 days

Fees

High-school Students: Rs. 1500, College Students:
Rs. 5000, Graduates / Professionals: Rs. 10000

WW03/

TIE AND DYE



Workshop Instructor/ **Rajesh Sagara, Praveena Mahicha**

Rajesh Sagara, Associate Professor, studied painting from Sheth C N College of Fine Arts, Ahmedabad and sculpture from Faculty of Fine Arts, M S University, Vadodara respectively in 1986 and 1989.

He was a Fellow at Kanoria Centre for Arts in 1986. He received a National award for Sculpture and was selected to represent his work in 11th Triennale exhibition held at New Delhi. He has been awarded Gujarat Lalit Kala Academy awards several times and is a recipient of the Navdeep Prathishtha Puraskar. He is also a recipient of Junior Fellowship awarded by Ministry of Human Resources, New Delhi. Rajesh as held solo shows in Ahmedabad, Mumbai and Aglet city, South of France and has invited to show his works in several group shows held at Mumbai, New Delhi, Ahmedabad, Vadodara etc. He has taught as Professor at Faculty of Fine Arts, MSU Department of Sculpture, as head of Sculpture at Kanoria Centre for Arts and has been associated with Faculty of Design at CEPT University since 1994. At present he is an Associate Professor and lives and works in Ahmedabad.

Tie and Dye, as name suggests is a technique of selective dyeing a piece of fabric. The technique involves creating a pattern of knots on fabric. After knotting, the fabric is dyed in natural dyes. Knotting allows for selective absorption and registration of dyes on fabric creating beautiful organic and geometrical patterns.

The tie and dye process in India is known as Bandhani. The technique involves dyeing a fabric which is tied tightly with a thread at several points, thus producing a variety of patterns like Chandrakala, Bavan Baug, Shikari etcetera; depending on the manner in which the cloth is tied. The main colour used in Bandhana are yellow, red, blue, green and black.

The main colours used in Bandhana are natural. As Bandhani is a tie and dye process, dying is done by hand and hence best colours and combinations are possible in Bandhanis.

The Bandhani work has been exclusively carried out by the Khatri community of Kutchh and Saurashtra. A meter length of cloth can have thousands of tiny knots known as 'Bheendi' in the local language ('Gujarati'). These knots form a design once opened after dyeing in bright colours. Traditionally, the final products can be classified into 'khombhi', 'Ghar Chola', 'Chandrakhani', 'Shikari', 'Chowkidaar', 'Ambadaal' and other categories.

Final Output

Practicing the Tie and Dye process
Tie and Dye fabric

Start Date / Duration
Dec. 5–Dec. 7, 2017
/ 3 days

Fees
High-school Students: Rs. 1500, College Students:
Rs. 2500, Graduates / Professionals: Rs. 5000

WW04/

KALAMKARI



Workshop Instructor/ **Rajesh Sagara, Praveena Mahicha**

Rajesh Sagara, Associate Professor, studied painting from Sheth C N College of Fine Arts, Ahmedabad and sculpture from Faculty of Fine Arts, M S University, Vadodara respectively in 1986 and 1989.

He was a Fellow at Kanoria Centre for Arts in 1986. He received a National award for Sculpture and was selected to represent his work in 11th Triennale exhibition held at New Delhi. He has been awarded Gujarat Lalit Kala Academy awards several times and is a recipient of the Navdeep Prathishtha Puraskar. He is also a recipient of Junior Fellowship awarded by Ministry of Human Resources, New Delhi. Rajesh as held solo shows in Ahmedabad, Mumbai and Aglet city, South of France and has invited to show his works in several group shows held at Mumbai, New Delhi, Ahmedabad, Vadodara etc. He has taught as Professor at Faculty of Fine Arts, MSU Department of Sculpture, as head of Sculpture at Kanoria Centre for Arts and has been associated with Faculty of Design at CEPT University since 1994. At present he is an Associate Professor and lives and works in Ahmedabad.

It is a traditional craft technique in which a wooden pen, block or a combination of both are used directly to draw/print on a type of cotton fabric, using natural dyes.

Course Description

This is a course to understand the process of Kalamkari and apply the same on your own artwork. It's a hand-on, intensive workshop, where we understand the finesse and value of Indian crafts.

Step 1:

Understanding the Kalamkari process, and creating your own drawing.

Step 2:

Hand-painting the drawing directly on the cotton fabric, with 2-3 natural dyes; by planning where to keep negative space, patterns, etc.

Step 3:

Letting the drawing dry.

Step 4:

Washing excessive pigments by traditional washing process.

Step 5:

Drying the washed fabric.

Step 6:

Treating the dried fabric with boiling water, and natural chemicals, to extrude the final dye colours.

Step 7:

Letting the fabric dry for final result.

Final Output

Kalamkari artwork on cloth

Start Date / Duration

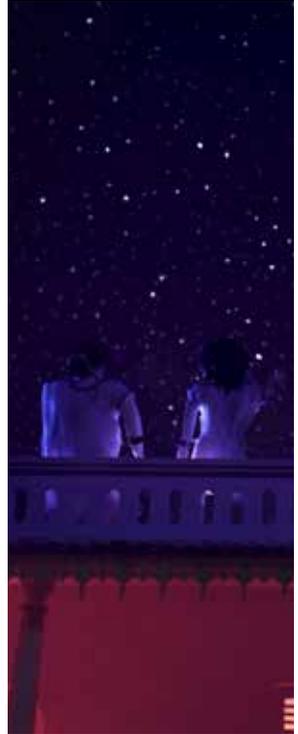
Dec. 8–Dec. 10, 2017
/ 4 days

Fees

High-school Students: Rs. 1500, College Students:
Rs. 2500, Graduates / Professionals: Rs. 5000

WW05/

CLAYMATION



Course Instructors/ **Shayar Gandhi**

Shayar is a graduate in Architecture and a postgraduate in film direction from NID, Ahmedabad. He is an ad filmmaker by profession but his keen interest in academics and his desire to stay connected with Architecture takes him to different schools with the intent of bridging a gap and connecting the dots between the two mediums with striking similarities. His workshop trains the students to write scripts, screenplays and sketch storyboards, which then forms the groundwork for shooting the film. He has been regularly conducting workshops with National Architecture Students Convention and other student bodies.

Abhijit Pariyal

B.Arch(CEPT '11), M.Arch-Urban Design(CEPT '15)

Being self-taught, sculpting has helped Abhijit develop a lot of patience, control and desire to attain excellence. Working on details allows him to constantly engage with the sculpt, while referring it to the context on a larger scale. He likes to create a dynamic figure, in which the figure is 'frozen' in time & a story is woven around it, which makes the figure an 'experience' rather than just an object. He prefer to keep his sculpts in their original form for better communicating the purity of material and the process that they have undergone.

This is a comprehensive hands-on workshop that will give the participants an opportunity to express and tell a story using mixed medium vis-à-vis live action and animation.

Course Description

This workshop is suitable for:

- Passionate individuals who want to learn the craft of Filmmaking/Claymation.
- Students/Professionals of Architecture, Interior Design, Fine Arts, Photography and Film.
- The Age group for students to enrol for the workshop is 17years and above.

Participants will:

- Learn the medium of Claymation and all allied processes. These include model making, clay sculpting, miniature photography, cinematography, lighting, video editing and sound design.
- Learn the narrative film form and the collaborative nature of its creation by Participating in its productive process.

Workshop schedule:

DAY 1: Ideation + Script Writing + Assignment (Generating Ideas)

DAY 2: Character Design and Set Design

DAY 3, 4: Sculpting and Set Creation

DAY 5, 6: Shoot

DAY 7: Editing and Sound Design

Final Output

Set design
Final claymation movie

Start Date / Duration

Dec. 7–Dec. 13, 2017
/ 7 days

Fees

High-school Students: Rs. 1500, College Students:
Rs. 5000, Graduates / Professionals: Rs. 10000

WW06/
ZARDOSI
WORK



Workshop Instructor/
Binita Pandya

Binita Pandya completed her architecture degree from MSU, Vadodara and her masters in Town and Regional Planning from SVNIT. She has more than 24 years of teaching experience in various design colleges. Balancing between need of time and aspirations, her practice called 'enso architects' has focused on the usual residential architecture and interior design to special projects like museum, ship interiors, Gandhi *melas*, event designs, and more. She runs a furniture brand called Kuma. She has been the State Coordinator for SPICMACAY, and has recently co-founded the Tapi Foundation.

Zardozi is a form of embroidery using metal wires. During the times of royal patronage the wires were drawn of gold and silver to embellish fabric for clothing, tents, wall hangings, scabbards etc. The fabric used for embroidery work is usually heavy silk, velvet or satin. In the modern context, synthetic threads and cheaper metals now replace gold and silver wires; however, the essential techniques remain the same.

Course Description

The process of doing Zardozi embroidery starts with the craftsmen sitting cross-legged around the Addaa, the wooden framework, with their tools.

The tools include curved hooks, needles, salmaa pieces (gold wires), sitaaras (metal stars), round-sequins, glass & plastic beads, dabkaa (thread) and kasab (thread).

The second step in the process is to trace out the design on the cloth, if possible fabrics like silk, satin, velvet, etc.

The fabric is then stretched over the wooden frame and the embroidery work begins. Needle is used to pull out each zardozi element and then, it is integrated into the basic design by pushing the needle into the fabric.

Final Output

Zardosi cloth

Start Date / Duration

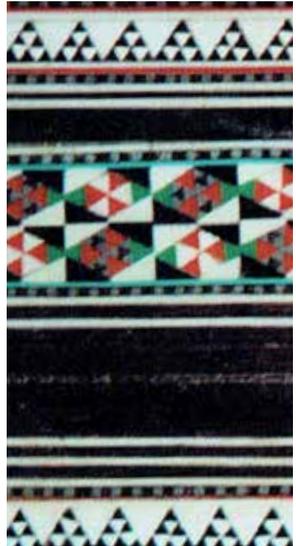
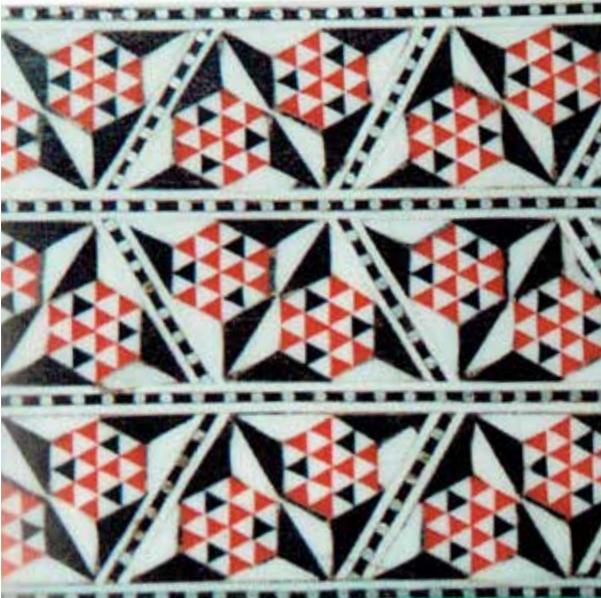
Dec. 1—Dec. 3, 2017
/ 3 days

Fees

High-school Students: Rs. 1500, College Students:
Rs. 2500, Graduates / Professionals: Rs. 5000

WW07/

MARQUETRY



Workshop Instructors/ **Binita Pandya & Rakesh Petigara**

Binita Pandya completed her architecture degree from MSU, Vadodara and her masters in Town and Regional Planning from SVNIT. She has more than 24 years of teaching experience in various design colleges. Balancing between need of time and aspirations, her practice called 'enso architects' has focused on the usual residential architecture and interior design to special projects like museum, ship interiors, Gandhi *melas*, event designs, and more. She runs a furniture brand called Kuma. She has been the State Coordinator for SPICMACAY, and has recently co-founded the Tapi Foundation.

Thin and long strips of ebony, ivory, red wood, bone, and tin are stuck together to make the designs of marquetry, called *Sadeli*, which a speciality of Surat. This craft was used to decorate the doors of palaces and mansions, beautify wooden articles, and jewellery boxes. This art does not involve any carving or inlay work, but is more akin to the craft of appliqué work.

Course Description

Surat's master-craftsmen who have been practising marquetry since the past 150 years, have been passing it down through the generations.

Today, this is a rare, dying craft in Surat, and we have a very few master craftsmen who practice this. As a part of this workshop, participants will directly learn the process of marquetry from the craftsmen. After learning the process, participants will get to try their own hand at the craft.

Final Output

Marquetry box / art-piece

Start Date / Duration

Dec. 1–Dec. 3, 2017
/ 3 days

Fees

High-school Students: Rs. 1500, College Students:
Rs. 2500, Graduates / Professionals: Rs. 5000

WW08/

PRINT & PRINT-MAKING



Workshop Instructor/ **Rajarshi Smart**

Rajarshi has a Bachelor of Visual Arts in Painting, and a Master of Visual Arts in Print-making from MSU, Vadodara. He heads the Department of Fine Arts in VNSCU, Surat. His art prints are showcased in art galleries in India and abroad. He specialises in different print-making forms like woodcut printing, silk-screen printing, etc. In 2016, he received the Kala Ratna Award by Gujarat Kala Pratisthan. He has also served as the Co-chairman of Art and Handicraft at the Southern Gujarat Chamber of Commerce previously, and has held many national and international workshops on print-making.

This is an artistic workshop that explores various types of print-making techniques like Collagraphy, Relief Printing (popularly known as woodcut printing), and Paper Marbling.

Course Description

Print-making is a very vibrant form of art, and has its own specific charm and character. In this course, participants will be exploring different print-making techniques on paper and other media.

The knowledge of pigment and colour-mixing, the skill of choosing the subject matter, etc. will be imparted in the course.

Daily sessions of 4 to 6 hours will lead to satisfactory understanding of the art at a beginner's level. Further explorations can be made by participants independently.

Who is it for?

- Art practitioners
- Graphic designers
- Art enthusiasts / college students
- Architects / interior designers

Final Output

Various art prints

Start Date / Duration

Dec. 8–Dec. 12, 2017
/ 5 days

Fees

High-school Students: Rs. 1500, College Students:
Rs. 2000, Graduates / Professionals: Rs. 5000

WW09/

PORTRAITS 101



Workshop Instructors/ **Puja & Rahul Kedia**

Puja is a graduate of the Light and Life Academy, Ooty. She has also trained under Sephi Bergerson in Goa, and specialises in wedding, architecture, food, and fashion photography. Rahul is a video director, passionate about orchestrating shoots. Together, they run Ministry of Memories, which is an award-winning wedding photography studio, managing projects all over India.



This workshop teaches the art of shooting compelling portraits. Important techniques like appropriate lighting and setup, posing, and composition will be covered in detail.

Course Description

The schedule of the photography workshop will be divided into 6 sessions across the 3 days. The sessions will be as follows:

Day 1 / Session 1

Basics & Emotions – using a DSLR camera for portrait photography will be covered in this session.

Day 1 / Session 2

Composition and Lighting – type of setup, lights, arrangement, distances for best results, etc.

Day 2 / Session 1

Posing – the most important part of portrait photography is the ability to extract candid poses from the subject.

Day 2 / Session 2

Shoot – here the participants will be taking their own photographs, under the guidance of the instructors.

Day 3 / Session 1

Critique – certain photographs taken by the participants will be analysed for improvements and learning.

Day 3 / Session 2

Work-flow and Editing – post-processing of the photographs is what makes them winners. This session includes the work-flow of software and editing techniques to achieve the desired results.

Final Output

Portrait photographs (digital + prints)

Start Date / Duration

Dec. 4–Dec. 6, 2017
/ 3 days

Fees

High-school Students: Rs. 1500, College Students:
Rs. 5000, Graduates / Professionals: Rs. 10000



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