



**Ankuran**

*Where Knowledge Germinates*

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# About

“Tell me, and I will listen  
Teach me, and I will remember  
Involve me, and I will learn”

*Benjamin Franklin*

We believe that experience paves the way to excellence. Through Ankuran, we aim to create experience-based learning opportunities for young minds to absorb scientific theories and observations through experimentation and collaboration.

Ankuran fosters and empowers the next generation of astrophysicists, biologists, and mathematicians with state-of-the-art infrastructure, agile learning processes and reliable curriculums developed in collaboration with trusted academicians.

A non-profit initiative, Ankuran will provide a strong foundation to the students from Class 6 – Class 12 affiliated to CBSE/ ICSE/ WB Boards and guide them towards an illustrious future.



“Education is the kindling of a flame, not the filling of a vessel.” — *Socrates*



# Experience • Explore • Excel



## What is Experiential Learning?

Where traditional learning practices focus on static and rote memorization, Experiential Learning focuses on practice and reflection. Students learn from experience, and in the process, they construct knowledge and develop skills that persist through their lives in a more natural way than rote memorization.



## Why is Experiential Learning required?

Young minds are active and spontaneous by nature, absorbing the world around them at a remarkable pace. This is why Experiential Learning activities tend to increase their attention spans compared to traditional learning methods, leading them to learn better and faster.

## The 3 'R's of Experiential Learning

### 1 Rationalism

The understanding of cause-and-effect relationships in experiments.

### 2 Reflection

After completing every experiment we begin, we reflect on its outcomes.

### 3 Reiteration

Regardless of outcome, we try the experiment again, changing different parameters each time to achieve a holistic understanding of the underlying concept.

## Vision

Embed the Fundamentals of Science into Young Minds.

## Mission

Help Students Learn Science Through Lively Activity-Based Interactions to:

- Supplement School Curriculum
- Explore Concepts Through Laboratory Sessions & Exhibits
- Ignite Curiosity in Camps & Field Trips
- Build Community Through Workshops & Expert Lectures
- Build Community Through Workshops

"Self-education is, I firmly believe, the only kind of education there is." — Isaac Asimov





## Salient Features

- Non – Profit initiative
- Physics, Chemistry, and Biology Labs
- STEM / Robotics Labs
- Vast Library
- Broadband Internet Terminals
- VR Classrooms
- Educational Programs, Lectures, and Exhibitions
- Workshops, Field Trips

## Campus Under Nature's Refuge

A clean, green, and pollution-free environment provides an effective backdrop for an engaging learning experience. Ankuran is a vibrant ecosystem to enrich students' minds and hearts.

All the avenues and roads within the campus are adorned with trees bearing emerald green leaves and beautiful flowers. With ample space amidst nature's lush beauty, students can peacefully reflect on their learnings of the day and ideate practical applications of recently learned concepts with freedom.



## Laboratories

Through Ankuran, we have established a campus that stands as a faculty for innovative ideas. We inherit the strong and staunch belief that the implementation of pragmatic thoughts can move mountains.

Modern and interactive from their very design, the facilities have been resourced and furnished with state-of-the-art equipment. The abundance of natural light and fresh air was our highest priority while designing the labs. We have also kept in mind various health and safety precautions, ensuring the wellbeing of our students.

Each laboratory is equipped with —

- ✓ Easy Access to Exits
- ✓ Firefighting Equipment
- ✓ First Aid Kits

“Wisdom is not a product of schooling but of the lifelong attempt to acquire it.” — *Albert Einstein*

## Physics Lab



Spacious and airy, The Physics Lab allows students to integrate classroom exercises with assistants to learn about the various interactions between matter and energy in our world.

The equipment and the tools provided in the lab incorporate modern technology with standard learning methods.

They also develop Physics concepts and skills for each subject through analysis, information processing, and measurement.

Experimenting with working models & DIY kits, students will gain a hands-on understanding of the following concepts:

- Electricity
- Electromagnetism
- Electronics
- Electrostatic
- Mechanics
- Light
- Optics
- Pressure
- Analog & Digital Electronics
- Waves & Sound
- Astronomy

## Chemistry Lab



At Ankuran, learning Chemistry will involve exploring and enjoying the interactions between the various chemicals and atoms that form the natural world. Students will also be guided to understand the responsibility of treating equipment and chemicals with care and attention they deserve.

The Chemistry Lab is fully equipped to ensure that students are in touch with all the latest developments and techniques in this realm. The teachers and the highly trained lab staff provide an atmosphere conducive to learning not just in theory but by applying it practically. The stock of chemicals is well maintained, good quality and safely stored away when not in use.

Observing the interactions of chemicals and elements under differing conditions, students will gain an experiential understanding of the following concepts:

- Separation of Substances
- Acids, Bases & Salts
- Physical & Chemical Changes
- Solutions, Colloids, Suspension
- pH of Samples
- Soap Preparation
- Qualitative Analysis of Organic Salts
- Analysis of Organic Functional Group
- Titration
- Stoichiometry

## Biology Lab



The Biology Lab is well-structured, airy, spacious, well-lit and replete with all the required equipment & tools to help students freely explore the science behind nature through experimentation.

All the equipment and facilities in this laboratory have been sourced from some of the best suppliers in the world. The aim of using high-end resources is to ensure

that our students face no difficulties and enjoy the learning experience while conducting experiments.

This is a place where students are given a chance to 'discover' before they are 'told'. Children have the liberty to make models & experiments by availing lab facilities.

Getting behind a microscope, students will observe the following phenomenon like:

- Study of Plant Cell & Animal Cell
- Microbiology
- Biotechnology
- Forensics
- Plant Physiology
- Animal Physiology
- Hydroponics vs Normal Soil Growth

## Computer Lab

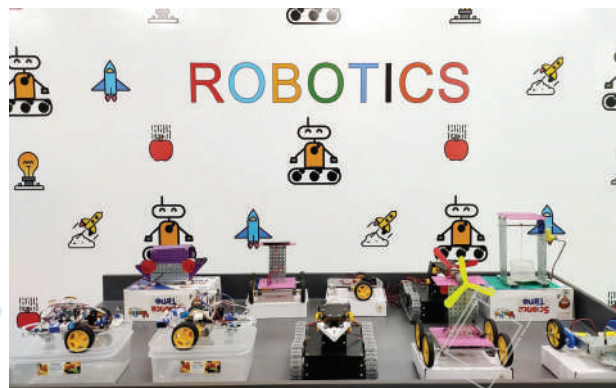


The internet and computing have brought about a revolution in learning. With access to the entirety of human knowledge at their fingertips, students can research any subject to reach a deep understanding from the fundamentals to the cutting-edge of scientific knowledge.

At The Computer Lab, we provide access to PCs, multimedia kits, colour monitors, laser, and ink – jet printers all connected to hi-speed broadband internet. Regularly updated software, reliable faculty, and a caring staff ensure that the learning process is fruitful for every student.

## STEM/ Robotics Education

Science, Technology, Engineering,  
Mathematics



With the rise in global computing power already underway, the automated future is close at hand. Robots are defined as “electro-mechanical devices which follow a set of instructions to carry out specific jobs”.

From assisted living to playful digital pets, robots come in all shapes and sizes for activities that are growing more complex by the day. By gaining hands-on understanding of the mechanical aspects of robotics along with algorithmic decision trees, students will gain a running start towards their bright futures.

### Benefits:

- Encourage Active Learning
- Understand Programming
- Boost Confidence
- Strengthen Research & Problem-Solving Skills
- Develop Logical & Analytical Abilities
- Develop Science & Math Intuition
- Build Self-Thinking & Clarity of Thought
- Explore New Technologies
- Helps Differentiate Between Theory & Practicals

### Amenities

At Ankuran, we view learning as a holistic process.

While our laboratories provide the ideal environment for experimentation and collaboration, it is imperative for students to have spaces where they can review their learnings, reflect on the outcomes of their experiments, and think about how to reiterate their processes for better understanding of the subject matter at hand.

Our Library is a reliable source of information for young scholars, the seminar room makes for an excellent presentation space, and the greenery outdoors ensures students can take a breather between classes in the beauty of nature.

“Failure is the condiment that gives success its flavour.” — *Truman Capote*



## Library



Ankuran seeks to empower students with all the knowledge they need to satisfy their natural curiosity. Our Library contains a large collection of books, journals, and magazines from across the world.

The attached Reading Room provides a quiet, well-lit space for students to awaken their minds in the company of some of the world's greatest science educators.

## Classrooms



Interactive teaching often requires the use of multimedia equipment to help communicate concepts in a much more effective way. The Seminar Hall forms the perfect space for students to absorb knowledge. Additionally, our faculty is a group of bright scholars who are at their best when they are interacting with each other and sharing their knowledge through orientations, training sessions, and workshops.

This multipurpose Seminar Hall is fully air-conditioned and equipped with the latest audio and visual aids for facilitating meetings and workshops with 24x7 access to hi-speed internet.

*"By seeking and blundering we learn." — Johann Wolfgang von Goethe*

## Outdoor Study Area



Drawing inspiration from the idea of "Nature Study" propagated by Rabindranath Tagore, the Outdoor Study Area is an immensely effective way to establish a sense of oneness with nature within students.

## Coming Soon



■ VR Lab ■ Photography Club ■ Stargazing Club

## The Cafeteria



The Cafeteria at Ankuran is a welcome haven to the students, faculty members, and visitors alike. The cheerful and sporty interiors are adorned with resplendent shades for an enjoyable meal with teammates and friends.



# Ankuran

*Where Knowledge Germinates*

## Ankuran is a not-for-profit initiative of Pinnacle Infotech

Pinnacle Infotech is the global leader in providing Building Information Modeling (BIM) solutions to the international market.



**Pinnacle  
Infotech**

Construct  
Certainty, with  
Technology

“There is immense potential waiting to be unlocked within the youth of this country. They possess theoretical knowledge, the lack of hands-on experience is holding them back.

Ankuran is an initiative close to my heart. Our goal is to bridge the gap between theoretical & practical understanding by providing hands-on experience using world-class exhibits designed to increase learner's skill and understanding of science, technology & mathematics.

We believe that Ankuran's focus on activity-based, hands-on experiential learning will enable students to enjoy the experience while embedding the fundamentals in their young minds.”

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**Bimal Patwari**

CEO & Co-Founder | Pinnacle Infotech

“The only real mistake is the one from which we learn nothing.” — Henry Ford