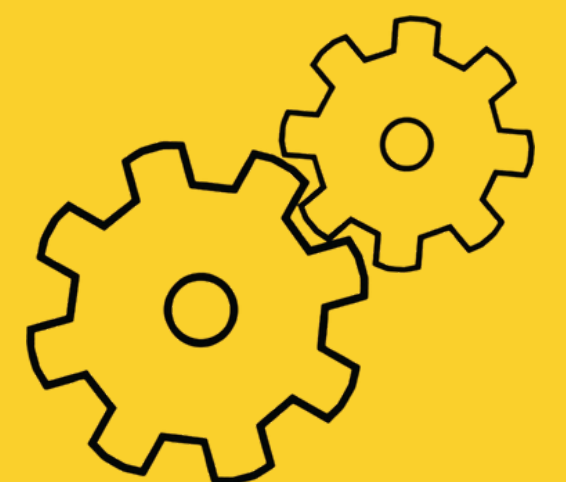




# ROBOTICS TECH COURSE

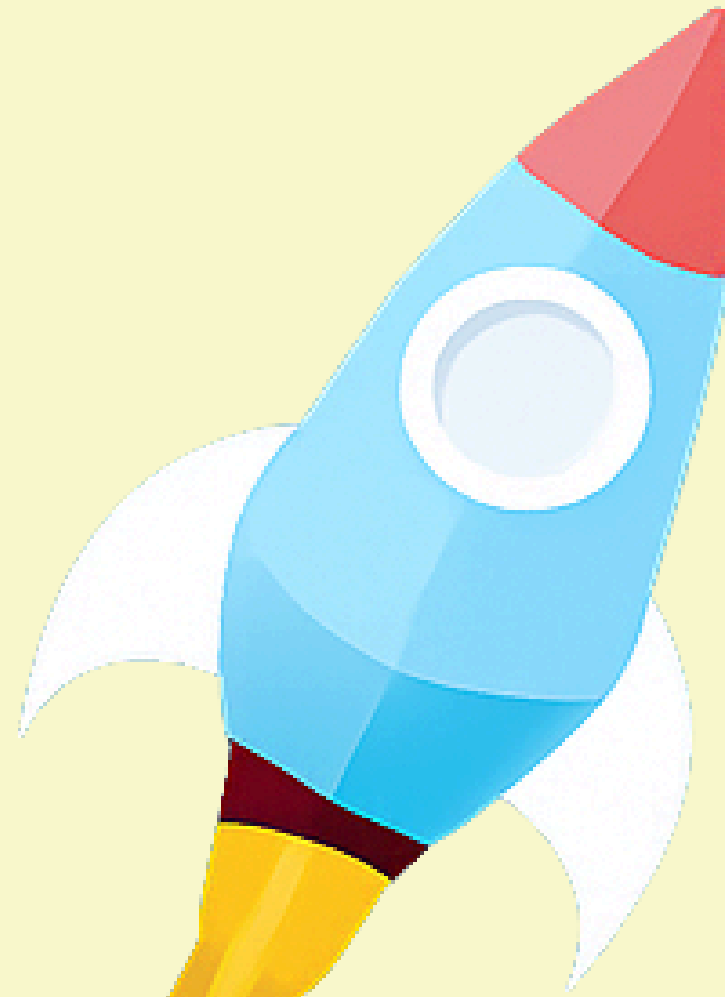


Igniting young minds to innovate, build,  
and shape a smarter India.



# Innomentis

**Innovate.Build.Achieve**



## **About Innomentis:**

Innomentis is an EdTech initiative dedicated to empowering young learners through experiential, hands-on learning. We bring technology, robotics, and innovation into classrooms preparing students for a future driven by creativity and problem-solving.

**1**

**2**

## **Vision**

To build a smarter, self-reliant India by nurturing young minds through experiential learning that sparks innovation, creativity, and purposeful problem-solving.

**3**

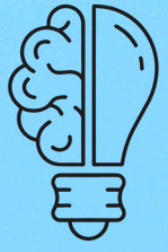
## **Mission**

To transform how students learn by integrating hands-on, STEM-based experiences into everyday education. We empower students to explore technology, think critically, and turn ideas into meaningful impact.

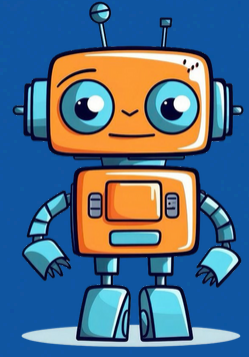
**4**

## **Our Commitment**

We are committed to delivering accessible, high-quality STEM education that empowers every child to dream big, innovate fearlessly, and build solutions for a better tomorrow.



**Ignite curiosity & Inspire innovation in young learners**



**RTC Fest Innovation showcase**



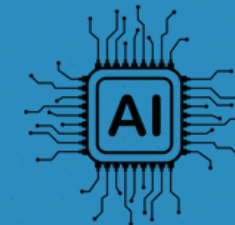
**Deliver hands-on Robotics & Tech learning**



**Future-Ready STEM Pathway**



**Conduct interactive offline workshops**

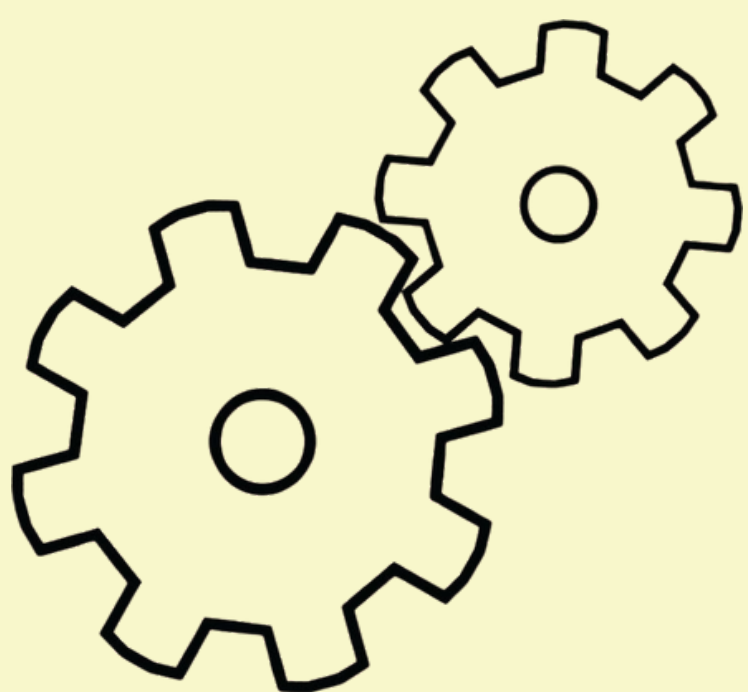
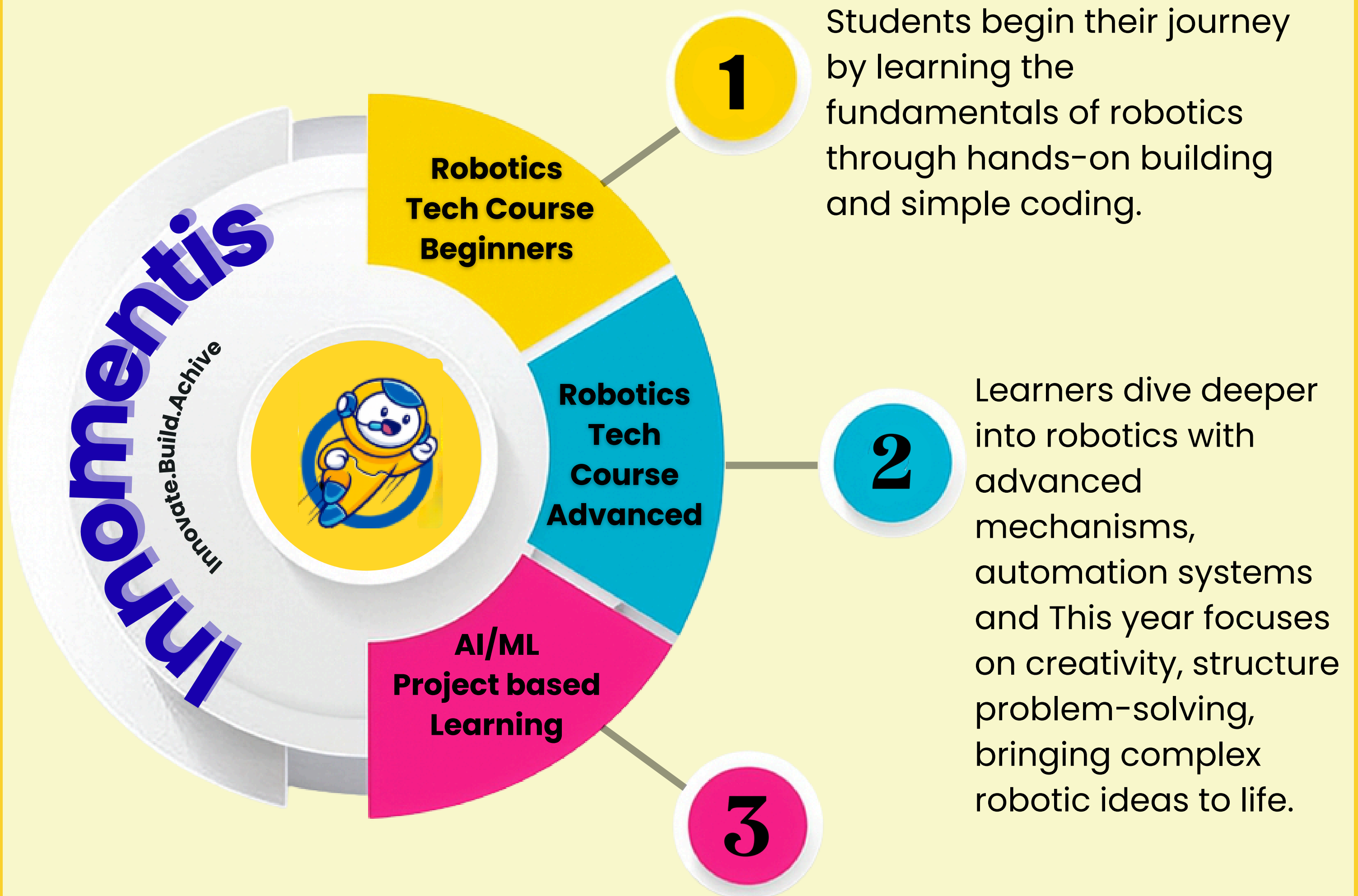


**Engaging online classes**

## **Our Objectives**



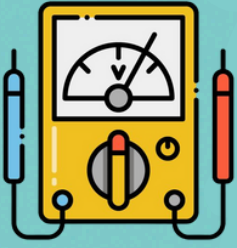
# Our Learning Pathway



# Robotics Tech Course – Year 1

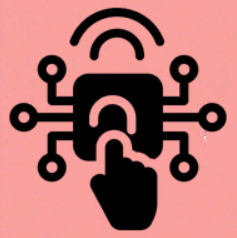
## Module Overview

### Module 1



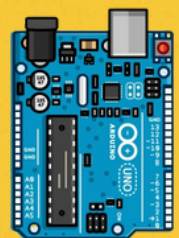
Students engage in hands-on exploration of core electronic components and foundational robotics concepts, building the technical base needed to understand how robotic systems operate and respond in real time.

### Module 2



Learners work with advanced input sensors that enable robots to collect and interpret data from their surroundings. This module enhances analytical thinking and strengthens decision-making based on real-time inputs.

### Module 3



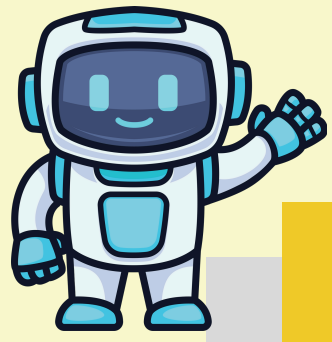
Students learn how a microcontroller acts as the “brain” of a robot and practice writing basic code to control different parts. They explore how to connect components and make the robot move or respond. By the end of the module, they can create simple actions & behaviours for their robot.

### Module 4



Students work with output devices connected to a microcontroller and learn how to make robots act and respond. They bring together all their skills—coding, electronics, and control—to build a fully functioning robot.

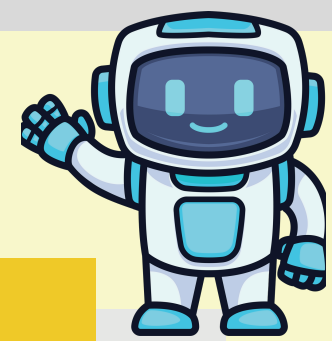
# OUR Methodology



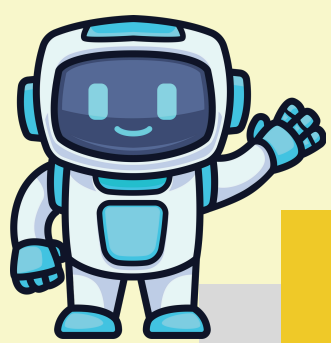
## Offline Workshops

Engaging, instructor-led sessions conducted directly at schools to help students learn through real-time interaction and collaborative activities.

## Hands-On Approach



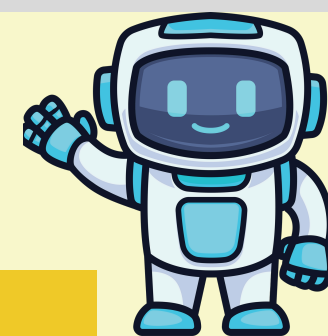
Students build, experiment, and create using tools and kits – ensuring deeper understanding through practical, experiential learning.



## Evaluation

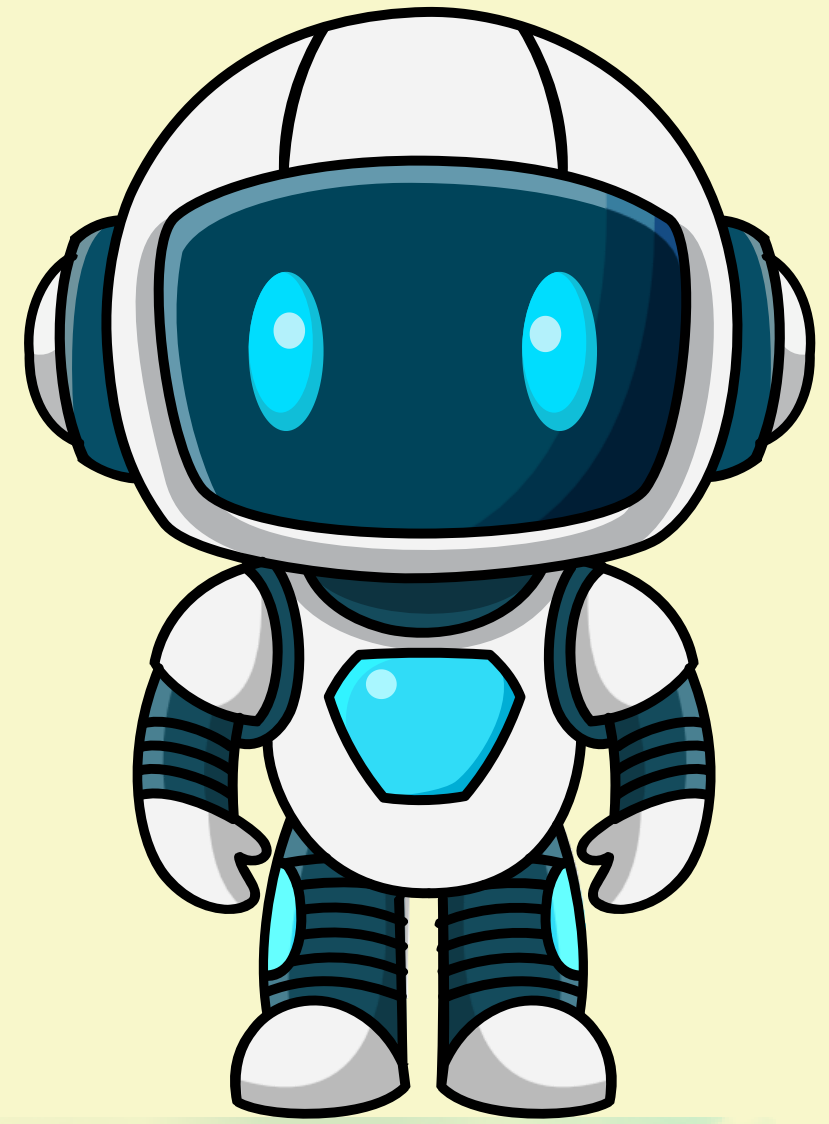
Regular assessments that measure skills, track progress, and help students improve through constructive feedback and performance insights.

## Science Fest



A platform for students to showcase their innovations, projects, and creativity – inspiring confidence, teamwork, and a spirit of scientific exploration. **We at Innomentis will support students participate in inter school competitions and also we sponsor for students selected competitions too.**

# Why Choose INNOMENTIS?



## 1. Skill-Based Learning for Real-World Success

INNOMENTIS focuses on practical skills that students need beyond textbooks—communication, creativity, critical thinking, problem-solving, and digital literacy.

## 2. Engaging, Activity-Based Sessions

Our sessions are not just lessons—they are interactive experiences with activities, challenges, and hands-on learning to keep students motivated and involved.

## 3. Structured Curriculum Designed by Experts

The program is designed by experienced educators and EdTech professionals to ensure that every session delivers measurable learning outcomes.

## 4. Boosts Student Confidence & Communication

Students become more confident speakers, thinkers, and team players—skills that help them in academics and future competitive environments.



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