



InnoBotika
School Meets Innovation

AI & ROBOTICS INNOVATION LABS

An ecosystem to foster Learning, Creativity, and Innovation in Coding, Artificial Intelligence, Machine Learning & Robotics

Aligned with
CBSE/ICSE
Skill Subjects and NEP 2020

Redefining
Education
through



About InnoBotika

InnoBotika is an innovative learning initiative dedicated to transforming the way kids learn science. We aim to bridge the gap between outdated theoretical learning and practical, skill-based education. Innobotics provides structured, age-appropriate STEM programs designed specifically for students from 3rd to 9th grade. We focus on introducing robotics, coding, and other emerging technologies alongside academic learning.

Our approach emphasises hands-on learning through DIY robotics kits, real-world projects, interactive workshops, and competitions that encourage creativity and problem-solving.



Vision

To create an innovation-driven learning ecosystem where every student gains early exposure to robotics, AI, and emerging technologies and to empower young minds with practical skills that prepare them for the future of technology and leadership.



Aim

To provide affordable, hands-on STEM education through structured robotics programs and real-world projects and bridge the gap between theoretical learning and practical skill development in regional schools.



InnoBotika AI & Robotics Innovation Labs

The InnoBotika AI & Robotics Innovation Labs provide students with hands-on exposure to Robotics, Artificial Intelligence, and Coding through interactive learning and real-world projects. These labs transform traditional classrooms into innovation spaces where students build, experiment, and develop problem solving skills. Each lab is equipped with DIY robotics kits, programming tools, and structured STEM learning modules, allowing students to collaborate, experiment, and innovate while working on exciting technology projects.

Through structured STEM modules, robotics kits, and guided mentorship, students enhance their creativity, problem-solving abilities, and technical confidence, preparing them for the future of technology and innovation.



What's Included



Robotics



AI



Coding



ML

AI & Robotics Innovation Labs Focuses On

Problem Solving

Critical Thinking

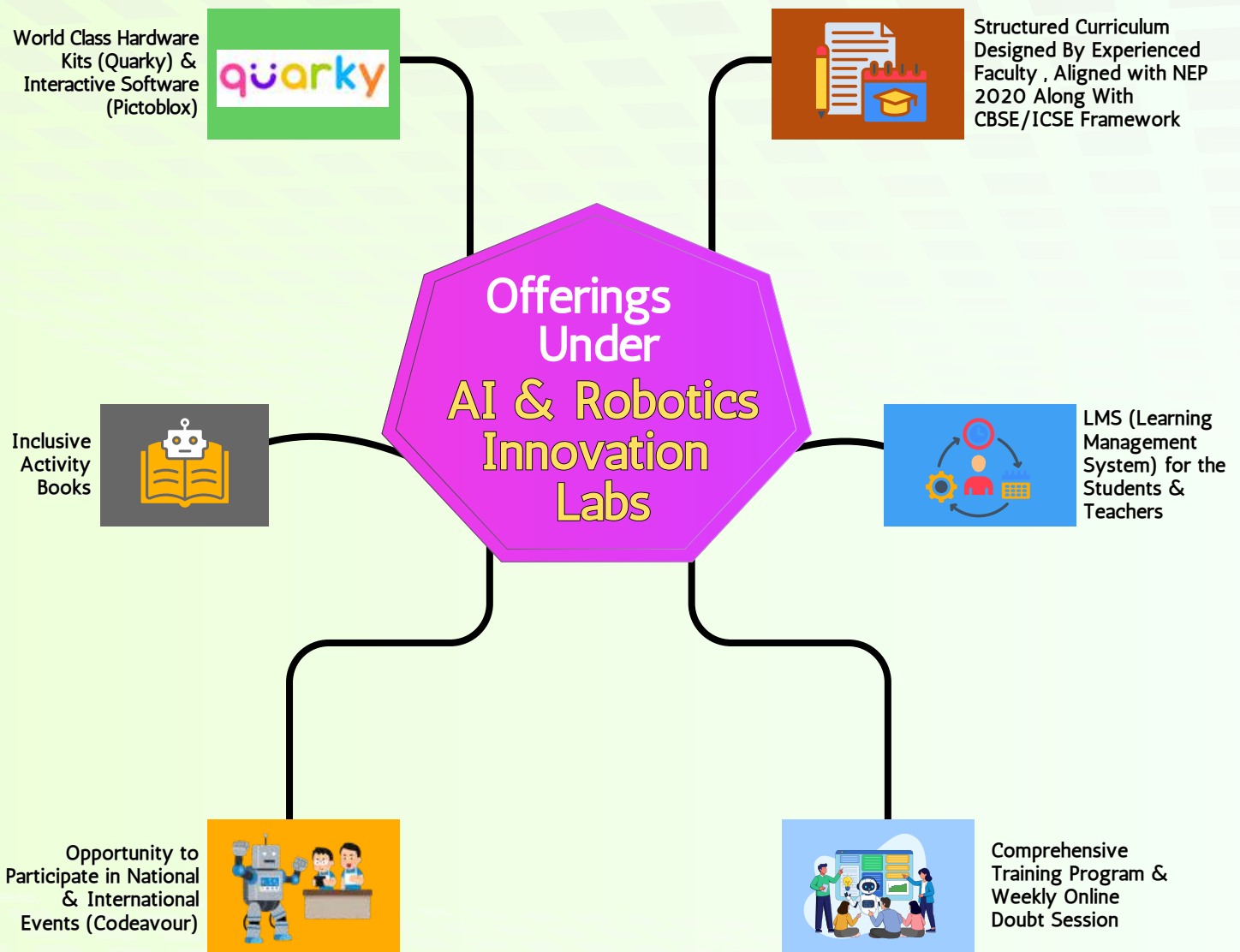
Creativity

Team Work

Technical Skills

Adaptability

Innovation Labs Eco System



quarky

Overview :

A fun learning, companion making learning, engaging through AI & Robotics. Teaches industry-standard concepts like ML, Face, Object & Speech Recognition.

Features:

One Kit: Infinite Creation: Hundreds of interactive projects.

Just Plug and Start Playing: Easy connection of sensors, motors, and servos.

Programmable with Smartphone & Tab: Code and control projects anytime, anywhere.





PictoBlox - AI Software Buddy

A graphical programming application for Learning Coding, AI, ML & Robotics. Available across all platforms, providing a project-based learning experience.

Programmable Using
Block Coding & Python



Hardware-Interfacing
& AI-Learning Tools



Python IDE
Transitioning to Syntax
Programming



User-Friendly Interface
with Scratch Like
Design



Programmable Using
Scratch & Python



Supports



Drone Technology



By 2030, Drone technology will be a cornerstone of global industry. Give your students the 'head start' they need to lead in engineering, agriculture, and cinema."

3D Printing & Design

Transform your school from a place of consumption to a place of creation. 3D design and printing are no longer "futuristic" novelties—they are essential tools for modern problem-solving and spatial reasoning.



 AUTODESK
TINKERCAD



Lab Packages

CBSE

Classroom Bundle

- 12 AI & Robotics Kit
- Consumables
- Lab Decoration
- Curriculum for Classes 1 - 12
- Aligned with CBSE Skill Subjects
- Curriculum for Classes 1 - 12

Genius Lab

Most Popular

- 18 AI & Robotics Kit
- DIY Kits, Consumables
- Lab Decoration
- Curriculum for Classes 1 - 12
- Aligned with CBSE Skill Subjects
- Curriculum for Classes 1 - 12
- Annual Innovation & Competition

STAR Lab

- 30 AI & Robotics Kit
- DIY Kits, Consumables
- Lab Decoration
- Curriculum for Classes 1 - 12
- Aligned with CBSE Skill Subjects
- Curriculum for Classes 1 - 12
- Annual Innovation & Competition

ICSE

Prime

Most Popular

- 30 AI & Robotics Kit
- DIY Kits, Consumables
- 10 Arduino Lab Decoration
- Curriculum for Classes 1 - 12
- Aligned with CBSE skill subjects
- Curriculum for Classes 1 - 12
- Annual Innovation & Competition

Basic

- 10 AI & Robotics Kit
- 10 Arduino
- Lab Decoration
- Curriculum for Classes 1 - 12
- Aligned with CBSE skill subjects
- Curriculum for Classes 1 - 12
- Annual Innovation & Competition

Curriculum Aligned with CBSE / ICSE

Preparatory (Class 1 - 5)

Play, Discovery, and
Activity - Based Learning

Concepts:

Graphical Programming , AI
and ML Activities, Physical
computing, Robotics,
Electronics



Intermediate (Class 6 - 8)

Experimental Learning Aligned
with Coding and AI skill subjects

Concepts:

Coding, AI, Physical
computing, Robotics,
Tinkering



Advanced (Class 9 - 12)

Coding, AI, and Robotics with
Python aligned with AI skill
subjects

Concepts:

Python basics, AI,
Physical computing,
Robotics, Tinkering



Features



Modular Content



Hands-On Learning



Assignment & Quizzes

Implementation Plan



Lab Setup



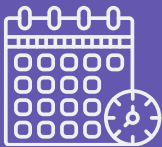
Curriculum Inclusion



Annual Festival & Competition



- **No additional space/infrastructure is required.**
- If you have an existing computer lab of 500 sq. ft. or higher, the lab will be an upgradation of the existing lab.
- Only additional requirement in this case will be the storage racks for the lab equipment.



No additional period is required in your timetable.

- If school has 2 or more periods for computer education, 1 period can be dedicated to the lab

- **Uses the existing IT Infra in the Computer Labs.**
- 1 x Projector and Computer for Teacher
- 1 x Laptop/Tablet per group (Total 12-15 Devices)
- Min. System Specs: Windows 7/Linux/macOS with 4 GB RAM with WEBCAM & MIC
- Internet Access



Benefits of AI & Robotics Innovation Labs

For Students

- Hands-on learning with real-world AI & robotics tools
- Builds problem-solving and critical thinking skills
- Encourages creativity, innovation, and experimentation
- Boosts teamwork, collaboration, and communication skills
- Opportunities to work on live projects and prototypes
- Bridges gap between theory and practical application
- Participation in hackathons, competitions, and research

For Schools

- Adoption of Innovative Teaching Techniques
- Development of AI & robotics curriculum
- Institutional reputation and competitiveness
- Upgraded educational infrastructure
- Preparation for Next-Generation Workforce
- Positive impact on environment development
- Participation in Annual Innovation Festivals



Glimpses





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For Personalized Demo at
your School/Callback