



ULTRA-MODERN LEARNING CENTRES
CODING - ROBOTICS - AI

SCHOOL ROBOSMART LABS

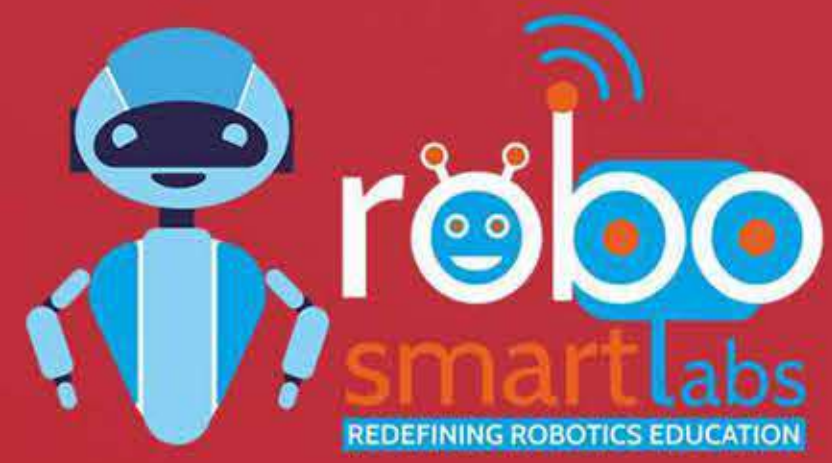


INTRODUCING

CRISP

— LEARNING —

Comprehensive Robotics Innovative School Program



VISION

To become a Dominant Brand in India and Asia, for extending Robotics Education to the young generation.

To become the torchbearer of the Digital revolution, which is set to sweep India in the coming decade. We plan to enrich every Indian Student with the latest digital technology.

WHAT FOUNDER SAYS...



The outbreak of COVID-19 urges the development of Artificial Intelligence (AI) and Robotics. AI-assisted imaging methods and tools have been investigated and have played an important role in the detection and diagnosis of the virus. Conversely, Robotic applications are less understood and integrated.

The way Coding has swept the country during the pandemic is indeed captivating. There has been a sudden rise of many prestigious Edu – Tech Companies providing an online platform for learning Coding languages and a few of its applications. Despite its lack of familiarity, AI is a technology that transforms every walk of life. It is a wide-ranging tool that enables people to rethink how we integrate information, analyze data, and use the resulting insights to improve our decision-making.

Virtual learning was a blessing for students and parents when physical schooling was suspended amid the spread of Covid 19 across the country. Through online classes, students have graduated to the next class without compromising basic studies. But over the period, parents, teachers, and the students themselves have realized that Virtual learning can only work as an alternative tool to mainstream teaching methods but can not be adapted for skillful learning.

SHRUTIDHARA ARYA

AI, ROBOTICS, AND CODING HELPS TECHNOLOGY AND HUMANITY TO CO-EXIST

ARTIFICIAL INTELLIGENCE(AI)
DRIVEN TECHNOLOGY IS HELPING
THE WORLD COMMUNITY IN EVERY ASPECT.



AROGYA SETU APP



ONLINE EDUCATION



VIRTUAL MEETINGS



RESEARCH & VACCINATION



INDUSTRIAL ROBOTICS



“Robotics along with other combinations will make the world pretty fantastic compared today.”

- Bill Gates

A DECADE OF MULTIFOLD REVOLUTION IN ROBOTICS AND AI

AI – ROBOTICS is multiplying its use in every segment of our life, in everything we do, and every sector of the world.

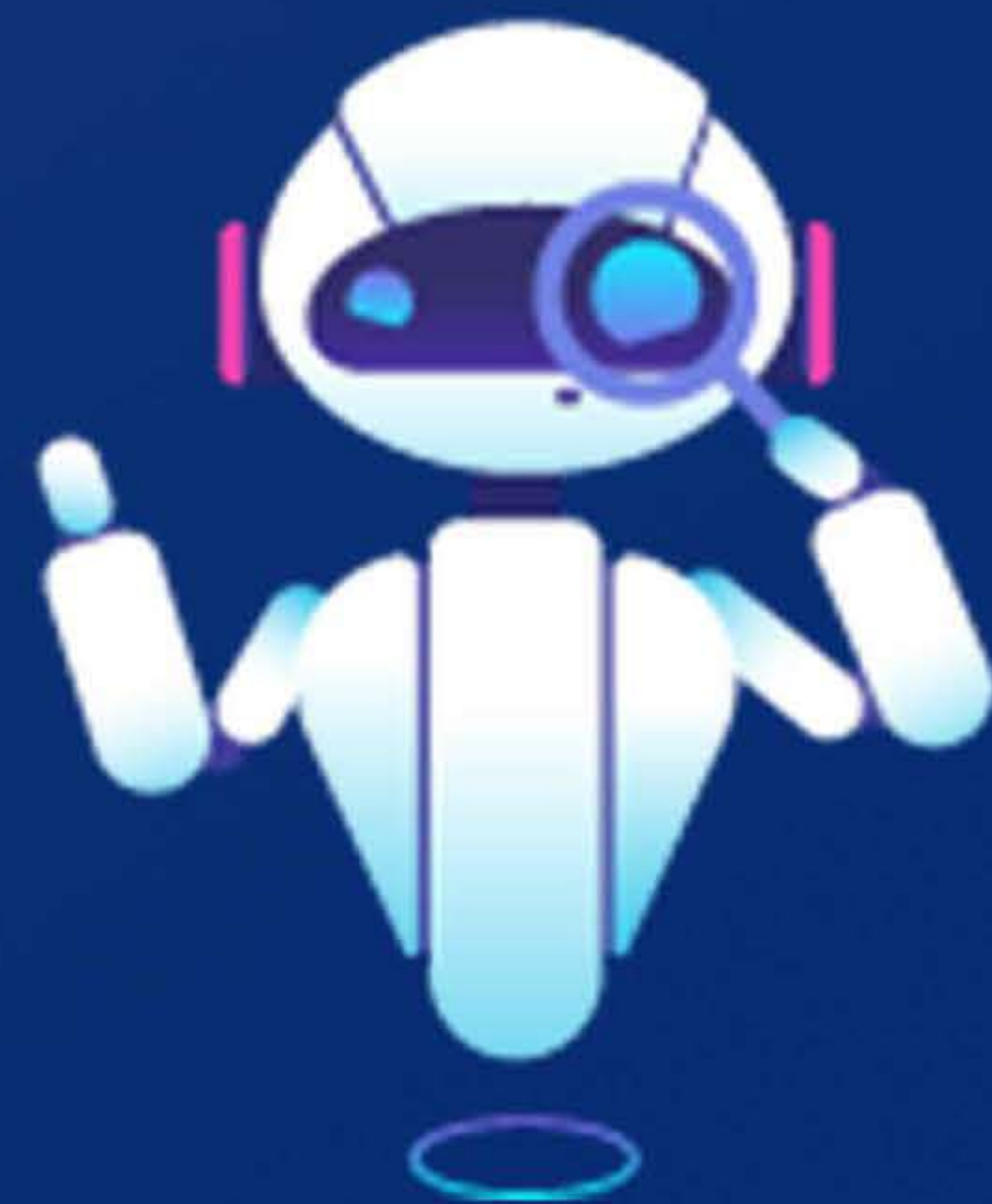
- Policy Making / Planning
- Agriculture
- Education
- Research / Development
- Medicine and Health
- Aviation and Travel
- Defence
- Industry
- Communication
- Finance
- E-Commerce
- Trading - Stocks

NEED OF MILLIONS OF AI - ROBOTICS EXPERTS

"Atma Nirbhar Bharat" policy of the government of India has triggered sudden requirement of highly skilled domestic experts in Coding, Automation Robotics, and AI.

AATMA-NIRBHAR
BHARAT

"We thus need Millions of these
Experts to meet the Demand"



NEED OF HOUR

Is to make a strong foundation of experts as early as the primary level of School

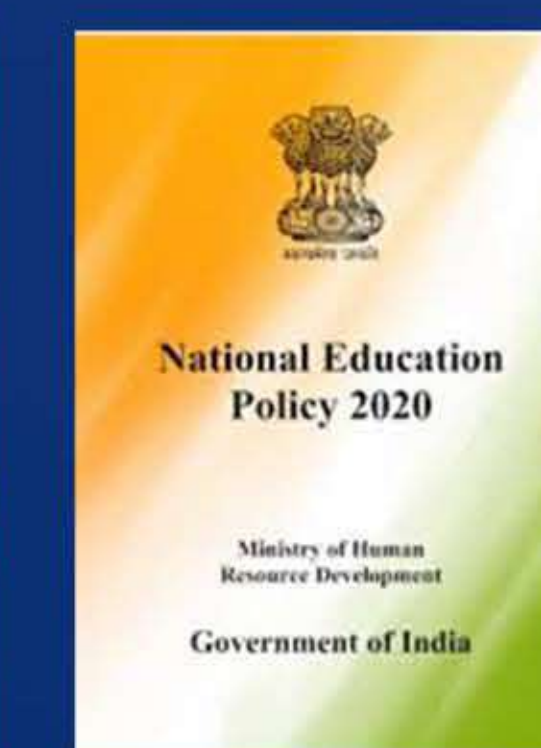
We have taken the lead to provide Comprehensive AI-Robotics Education and match the demand of Digital Experts.

The student's technological learning ability is visible and many and many students have already made a mark in this field

NEW EDUCATION POLICY (NEP)

New National Education Policy (NEP) 2020 makes CODING/ROBOTICS learning part of curriculum from Grade 6 (Para 4.23, 4.24, and 4.25)

For the first time, AICTE and CBSE are working together to develop a new skill-oriented curriculum for schools focusing on Coding, Robotics, and AI.



ACADEMIC OPPORTUNITY

As of now, very few schools are equipped with Robotics Lab Infrastructure and have qualified & skilled Trainers/Teachers

Many more students are getting inclined to learn Robotics, Coding, and other relevant fields than before. Once it will be a scoring subject for the kids, they will look for Centres like RoboSmart Labs to enhance their skills and percentage.

INTRODUCING
CRISP
— LEARNING —



AN INVESTMENT IN QUALITY
KNOWLEDGE PAYS THE BEST INTEREST

 In a recent survey of parents of School students, 78% have shown keen interest in AI - Robotics Education for their children.

 90 % of Interested Parents desire to send their wards to Modern Robotics Education centres instead of online classes.

Disclaimer: Internal survey was conducted in Oct. 2020 across India with sample size of 2500 parents from Tier 1, Tier 2, and Tier 3 cities of versatile profiles

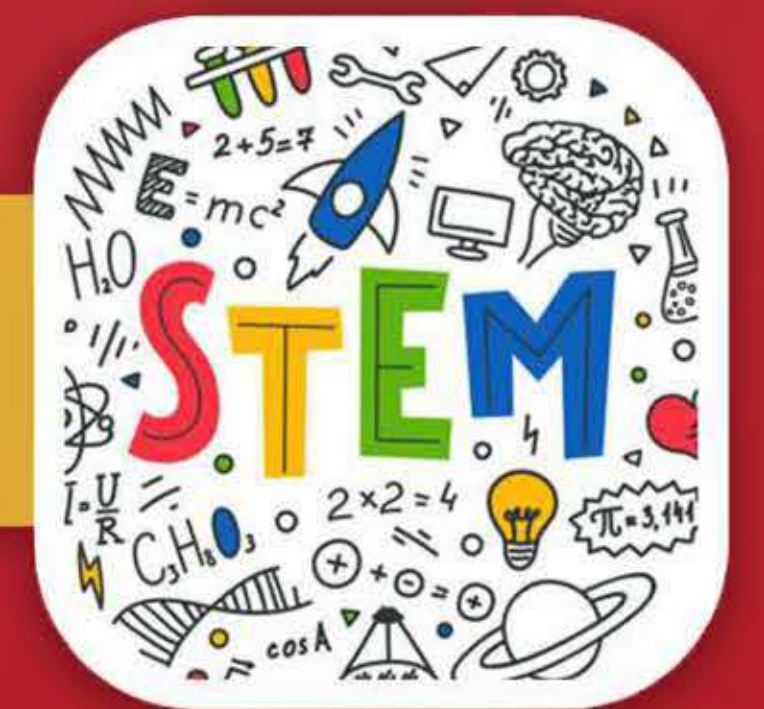
www.robosmartlabs.com

WHY SCHOOL ROBOSMART LABS?



One single hub of Skill development, Product Innovation, Concept Creation and Entrepreneurship

Emphasis on teaching STEM Education in addition to Coding, AI & Robotics.



Regular Upgradation and replacement of STEM, Electronics, AI, and Robotics Projects.

Highly qualified Trainers (Teachers) M.Tech. / B. Tech /MCA or Equivalent.



Most Comprehensive Grade wise Robotics Education Curriculum.

SCHOOL ENGAGEMENT PLAN

School Exclusive
RoboSmart Lab

www.robosmartlabs.com

The Wholesome Learning Module

• **HARDWARE - Electronics**

- Micro Controllers
- Arduino Uno
- ESP8266
- Raspberry Pi
- Microbit
- Quarky
- LED's
- Speaker
- Sensors
- Battery
- Camera
- Microphone
- Cretille
- LED Matrix
- Seven Segment Display

• **HARDWARE - Mechanic**

- Actuators
- Motors
- Linkages
- Connectors
- Wires

• **SOFTWARE - Tools**

- Arduino IDE
- Thonny IDE
- Pycharm IDE
- Android Studio
- Visual Studio Code
- Jupyter Notebook
- Mission Planner
- Code.org
- Thunkable
- MIT App Inventor
- Pictoblox
- Flashprint
- Tinkercad
- Fusion 360
- Unity

• **SOFTWARE - Language**

- Python
- C++
- Java
- Block Coding
- Scratch
- HTML
- CSS
- Javascript

• **Technologies**

- Artificial Intelligence
- Machine Learning
- Deep learning
- Virtual Reality
- Augmented Reality
- Automation
- Facial Recognition
- Voice Recognition
- Internet of Things (IoT)
- 3D Printing
- Laser printing
- Drone
- Humanoid
- Robotic arm

• **Skill Oriented**

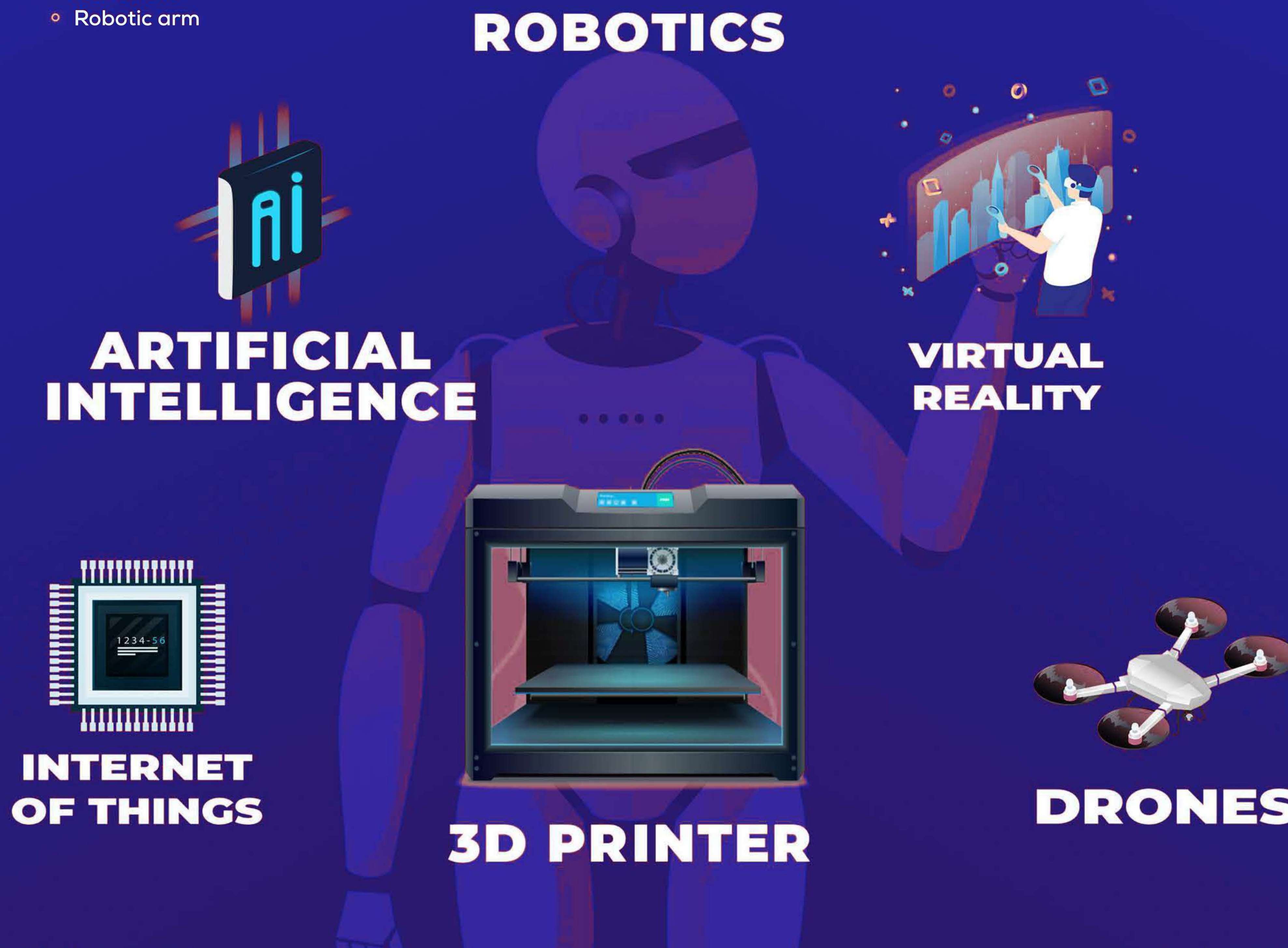
- Logical Thinking
- Analytical Thinking
- Critical Thinking
- Product Development
- Thinking & Innovation
- Designing
- Team Work
- Public Speaking

• **Design Thinking**

- Empathize
 - Interview
 - Seek to Understand
 - Non - Judgemental
- Define
 - Personas
 - Role Objective
 - Decisions, Challenges
- Ideate
 - Prioritize
 - Share ideas
 - Diverge/Converge
- Prototyping
 - 3D Printing
 - Electronics & Electrical Design
 - Aesthetics
- Test

• **Computational Thinking**

- Concepts
 - Logic
 - Evaluation
 - Algorithm
 - Patterns
 - Decomposition
 - Abstraction
- Approaches
 - Tinkering
 - Creating
 - Debugging
 - Persevering
 - Collaborating



SCHOOL EXCLUSIVE ROBOSMART LABS

Schools with 500-800 Students

Rs. 726/- per student per Month including 18% GST

Schools with 801-1000 Students

Rs. 560/- per student per Month including 18% GST

Schools with 1000 + Students

Rs. 393/- per student per Month including 18% GST

*Amount to be charged for the complete academic year.

SCOPE OF SCHOOL'S INVESTMENT AND INFRASTRUCTURE DEVELOPMENT

800-1000 Sq ft of Hall or Completely Covered area
Furnitures and Fixtures in accordance to layout design given by Robosmart Labs
Separate area for the Trainers & 1 to 1 Counselling session with students
12-14 PCs of latest configurations, A good quality Projector & High Speed WIFI
The School will make all payments to Robosmart Labs after collecting from students
1 Assistant cum Peon exclusively for Robosmart Labs

SCOPE OF INVESTMENT AND RESPONSIBILITIES BY ROBOSMART LABS

2 highly qualified and Technical Trainers (Teachers) B.Tech / BE / MCA or equivalent
Complete set up of Robosmart Lab, sets of Robotics / STEM kits Robots, followed by
regular updates of lab equipments with new updated projects
To design curriculum as per latest updates in Robotics Education and in sync with
National and International School Educational Boards active in India
Softwares installation related to programming, Robotics kits, AI, with regular updates

www.robosmartlabs.com

NMai
NATIONAL MISSION ON ARTIFICIAL INTELLIGENCE

3rd Edition
GAISA
**AICRA GLOBAL
SUMIT & AWARDS** **AI**

7-8 Oct' 22 | Vigyan Bhawan, New Delhi

Winner Certificate

This is to certify that

Best AI Research Lab Setup Award

has been awarded in the category of

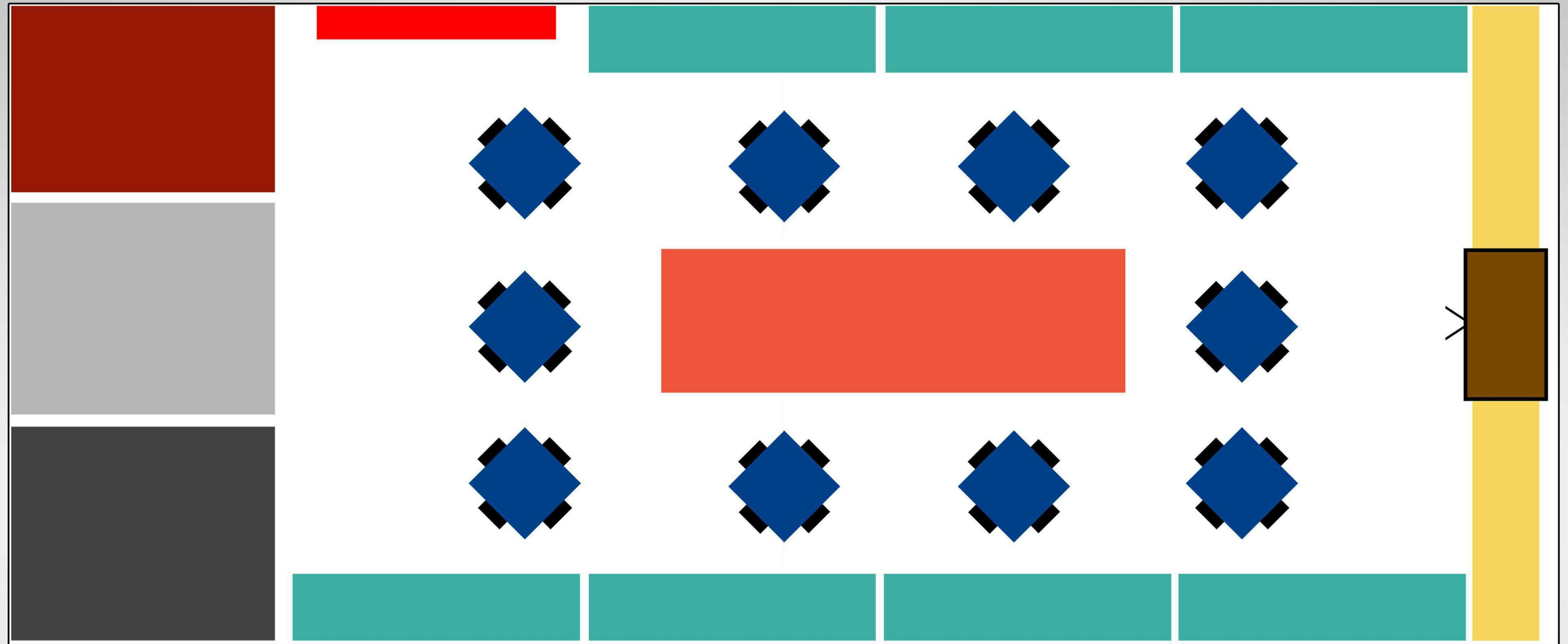
Robosmart Labs Pvt. Ltd



Raj Kumar Sharma
President: AICRA

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PROPOSED LAYOUT FOR SCHOOL ROBOSMART LABS



ROBOSMART LAB FOR
CRISP
LEARNING

- 25x40 Sq ft. Main Lab
- Entrance
- Reception cum counselling*
- 10x4 Sq. ft. Platform
- 8x1.5 Sq ft. Cupboard
- 3x3 Sq ft. Table
- 8x6 Sq ft. Trainer's Cabin
- 8x6 Sq ft. Manager's Cabin*
- Projector Screen
- 7x2 Sq ft. Cupboard
- Student's Chairs

* Applicable only for school commercial lab

SCHOOL ROBOSMART LABS

Device and Components for **CRISP** LEARNING



HUMANOID



ROBOTICS ARM



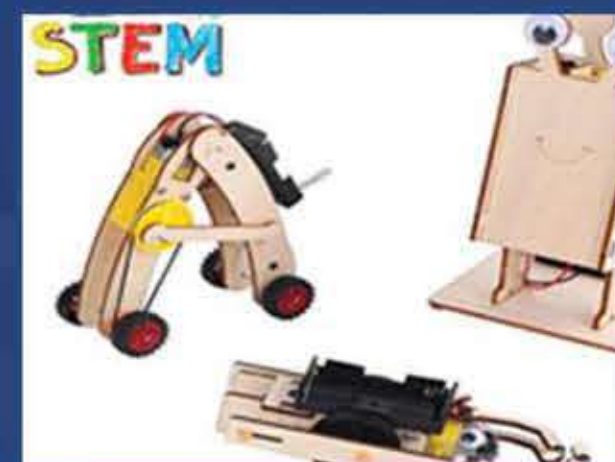
VR & AR HEADSET



3D PRINTER



DRONE



STEM KIT



ELECTROBOTICS KIT



MECHENICAL TOOLS



IOT KIT



3D PEN



HEXAPAD ROBOT KIT



DIY ROBOTICS KIT



CODING FREE KIT



RASPBERRY PI KIT



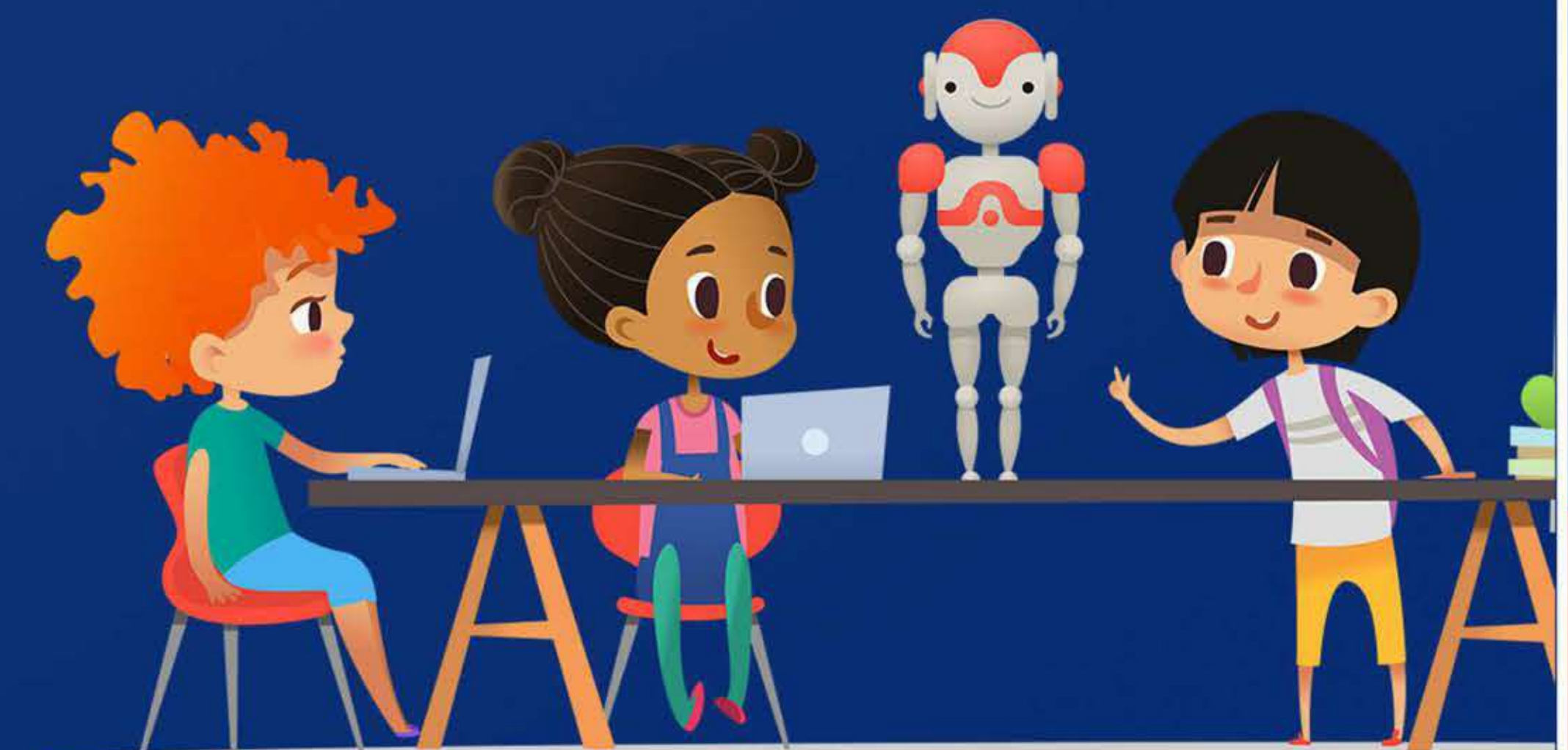
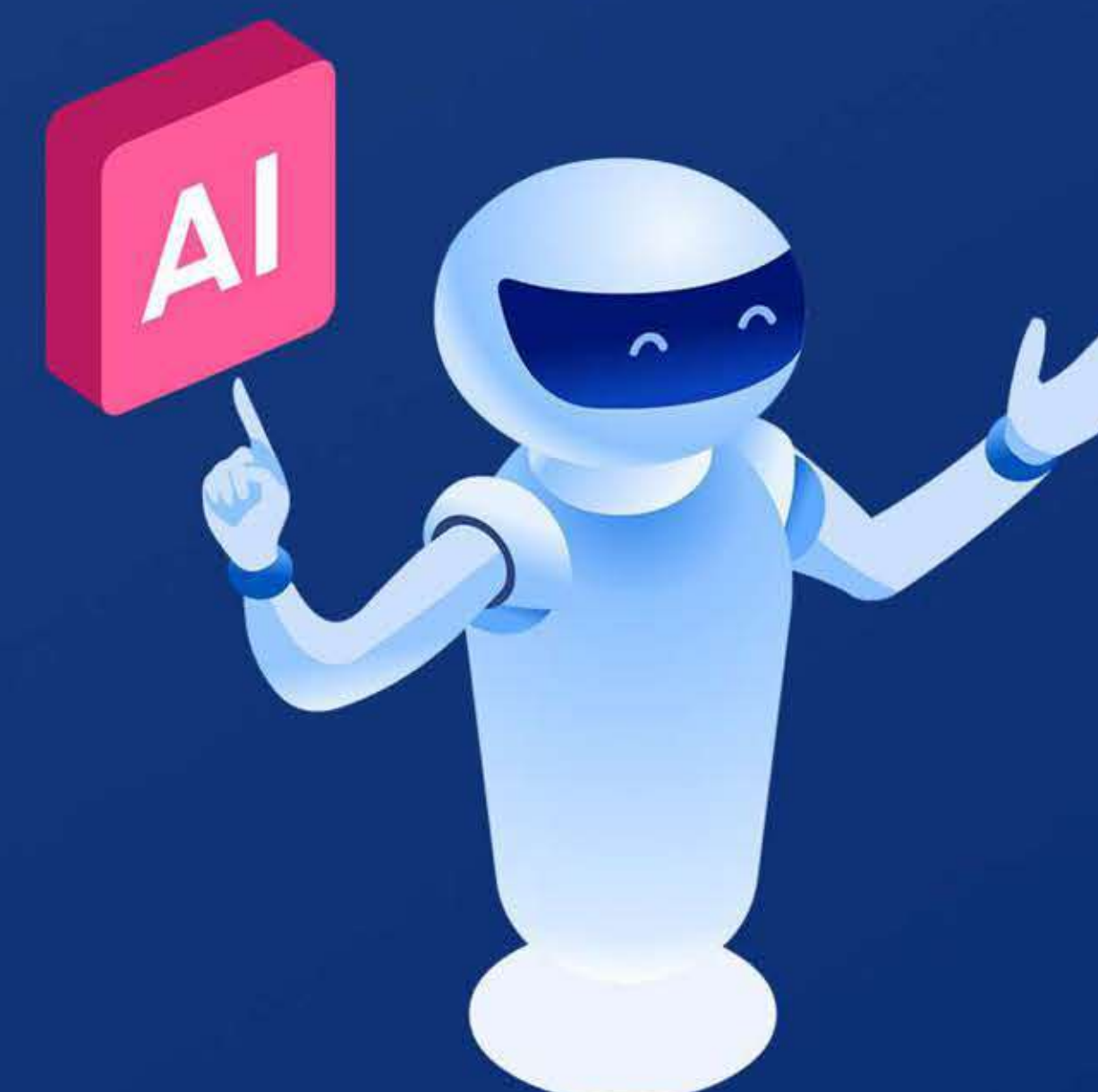
ARDUINO KIT

*Disclaimer : On Device and components subject to change.

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The Winning Spree Highlights

- "RoboSmart Lab" in your School will be the most effective tool to attract **quality admissions**
- Opportunity to join hands with India's upcoming and most promising brand with **Comprehensive Robotics Education**
- Opportunity to extend wholesome Robotics Education to your students viz. **Coding languages (Python, Arduino, Android, C++, Java etc), App Development, Animation, Gaming, STEM education, Machine learning, Aero-modelling, AR – VR, , 3 D Printing & Artificial Intelligence.**
- Highly qualified & skilled M Tech / B Tech / MCA or Equivalent **Trainers / Teachers** by **RoboSmart Labs** to ensure high-quality technical education. This will also save the school from hassles of finding quality technical teachers
- In case of adopting for "**Commercial School RoboSmart Lab**" , you get the opportunity to compensate the expenses incurred for your own students by means of earning payout through Commercial lab option for Evening and Weekend classes for nearby area students of other Schools.



www.robosmartlabs.com



Glimpses Of RoboSmart Labs



GET IN TOUCH WITH US

Secure your Your School's **"RoboSmart Lab"**
 And become a part of the first 5 % in the country to set up
 Coding cum Robotics lab as per NEP



87-88, Vivek Vihar, Opp Dainik Bhasker
 HO, near Vidyashram School, Off JLN
 Marg, Jaipur - 302015



info@robosmartlabs.com



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*Disclaimer : The information provided in the brochure is subject to change without notice.