

AI-PLEx KIT



Age Group : Classes 8 - 10

NEP 2020 Compliant: Our curriculum is crafted to meet India's forward-thinking educational standards, ensuring relevance and depth.

WHAT IS: AI-PLeX kit

The AI PLeX Kit is an innovative educational tool designed to introduce students to the exciting realms of artificial intelligence (AI) and coding. This comprehensive kit comes equipped with a Micro: bit microcontroller and an array of sensors, including SONAR, PIR (Passive Infrared), Moisture, Sound, Light, and a Servo motor.

The kit is accompanied by a curriculum that guides students through the fundamentals of coding and AI. Starting with basic programming concepts, it gradually progresses to more advanced topics, empowering students to write code for sensor integration and AI applications.

PROJECT PHILOSOPHY:

Beyond the Classroom:

Each project complements traditional learning with hands-on problem-solving that nurtures emotional intelligence and social skills.

Tackling Global Challenges:

Children learn the significance of their creations in addressing environmental issues, health, and community well-being, aligning with the UN's Sustainable Development Goals.



16
COMPONENTS

200+
PROJECTS

250+
HOURS

8-10
CLASSES

KIT CONTENTS:

Snap-to-Connect Technology

Our unique connectors are engineered for little hands, making assembly safe, easy, and frustration-free.

Comprehensive Component Collection

16 high-quality, reusable parts including capacitors, transistors, and integrated circuits, encouraging limitless exploration.



The safety of participants is our top priority. By strictly adhering to these safety compliance guidelines, we aim to create an environment where children can explore, learn, and innovate safely with the AI-PLeX Kit. For any safety-related concerns or queries, contact safety@justnexo.com.

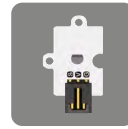
KIT COMPONENTS



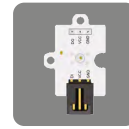
1 OLED Screen



2 Crash Sensor



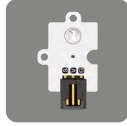
3 Temperature Sensor



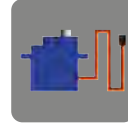
4 Rainbow LED



5 Noise Sensor



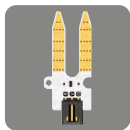
6 Light Sensor



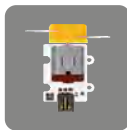
7 180 Servo



8 Sonar Sensor



9 Soil Moisture Sensor



10 Motor with fan



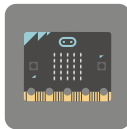
11 Relay



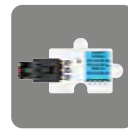
12 Submersible Pump



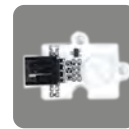
13 Sensorbit



14 Microbit



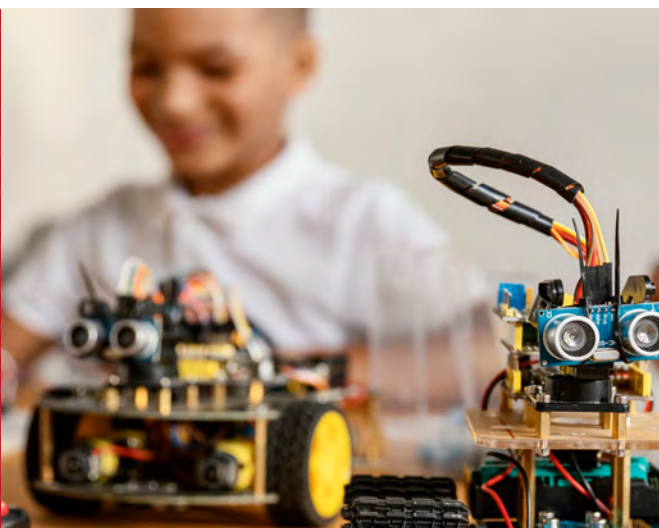
15 Temperature & Humidity Sensor



16 PIR Sensor

With AI-PleX, every child has the potential to be a pioneer of the future!

Unveil. Connect. Innovate.



THE AI-PLEX EXPERIENCE:

Interactive Learning:

Step-by-step interactive tutorials guide your child through each exciting project, making learning intuitive and fun.

Certification of Achievement:

Children earn certificates as they complete projects, building confidence and a sense of accomplishment.