



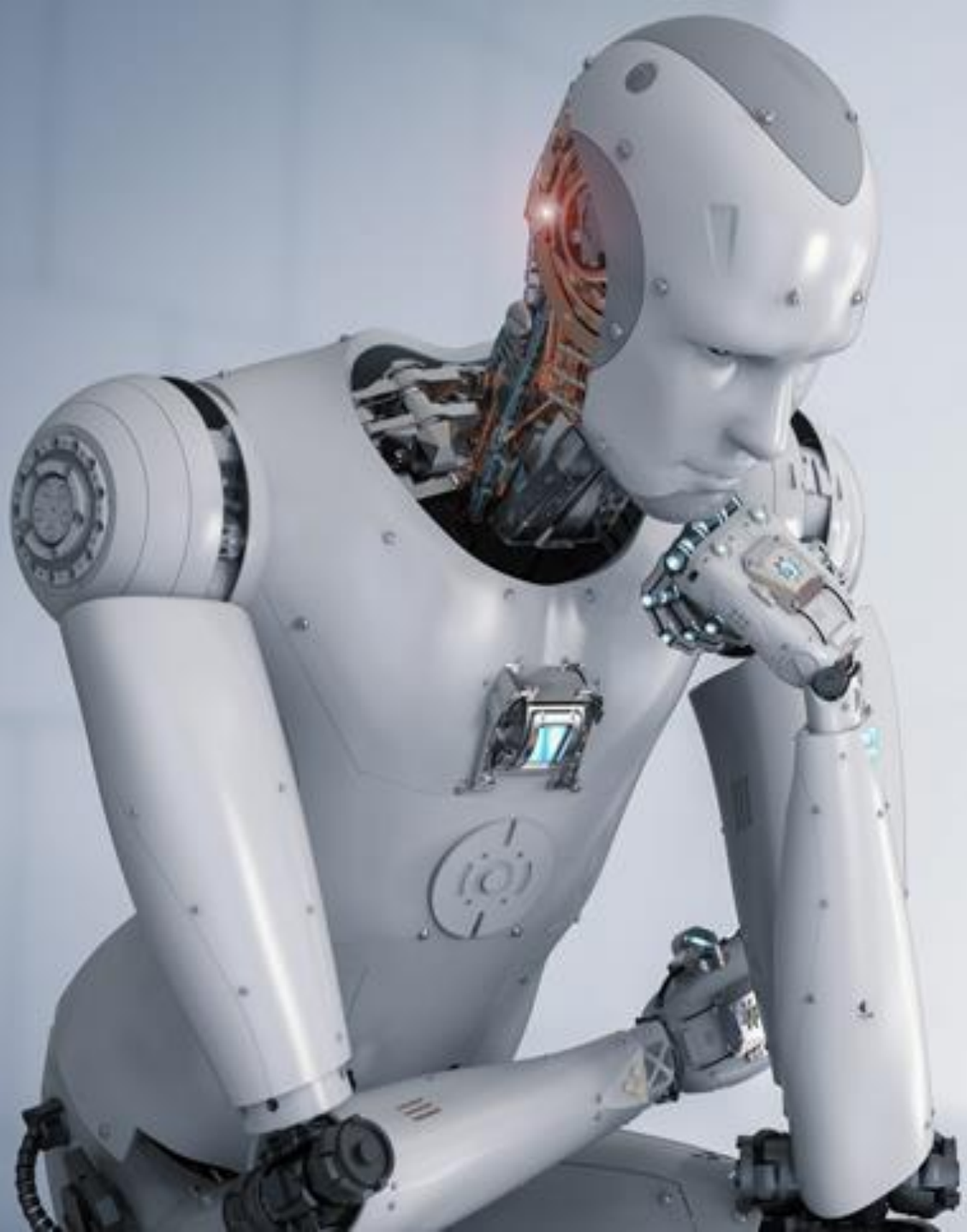
epace setters

Robotics and AI Lab

Teaching Students how
to make Machines
Learn



epace setters



“Artificial Intelligence will prove to be a focal skill needed for being employable, for the youth of tomorrow”
McKinsey Report

“Machine learning and deep learning will be the cornerstones of every digital implementation for the 21st century”
Delloite Report



Who said what about



Hon'ble Prime Minister **Narendra Modi** "Technology is evolving at such a fast pace that very soon **artificial intelligence** will dominate our way of life."



AI oracle and venture capitalist **Dr. Kai-Fu Lee, 2018** "[AI] is going to change the world more than anything in the history of mankind. More than electricity."



Minister Ravi Shankar Prasad said we must leverage **AI** for development in areas such as agriculture, healthcare, education and innovation.



In 2017 **Russian President Vladimir Putin** told school children that "Whoever becomes the leader in this sphere [AI] will become the ruler of the world."

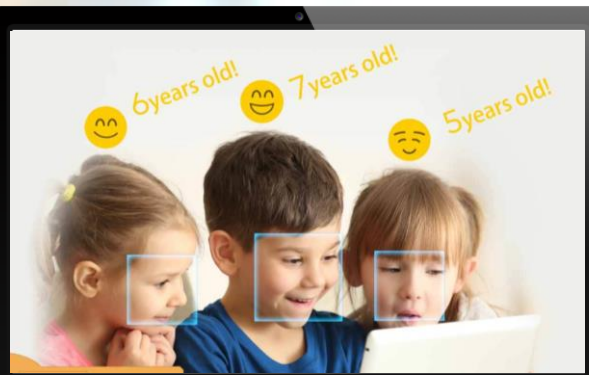


In 2018 Google CEO **Sundar Pichai** told Google is working on an **AI** Assistant that can place human-like calls to make appointments.

MeitY is working on enabling digital transformation across industries, leading to social empowerment and economic inclusion in India.

Artificial Intelligence

Why is Robotics and AI Needed Today?



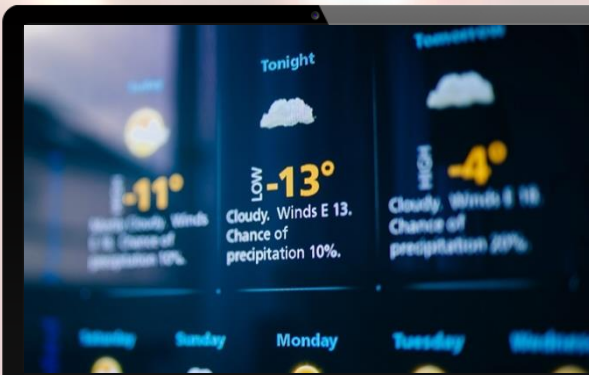
Facial Recognition

A facial recognition system is a technology capable of identifying a person from a digital image or a video



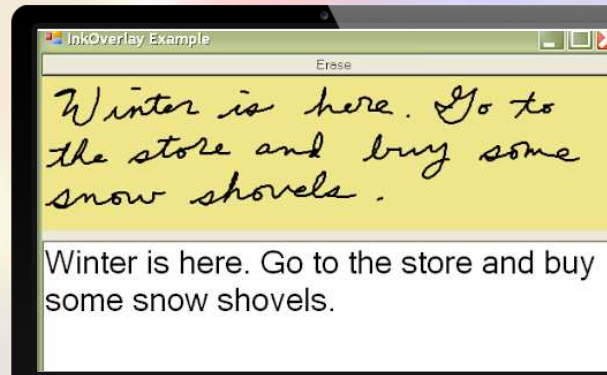
Voice recognition

Voice recognition is the ability of a machine or program to receive and interpret dictation or to understand and carry out spoken commands



Weather Prediction

Researchers use Artificial Intelligence algorithms to detect cloud formations that lead to storms and climate change

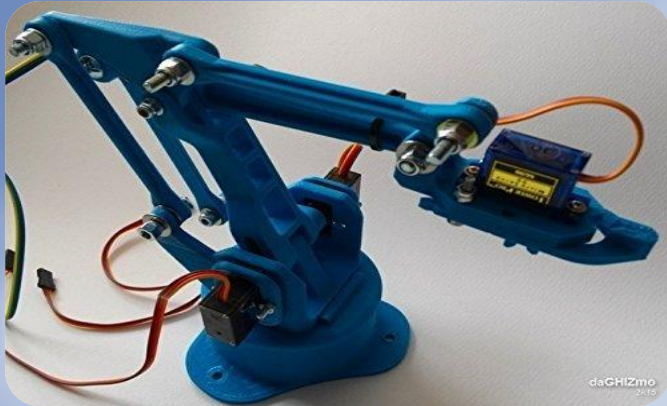


Handwriting identification

Handwriting recognition is the ability of a computer to receive and interpret intelligible handwritten input from devices



How can a student learn Robotics and AI with Epace?



Pick and Place Robot



AI Learning Material



AI Software



Drones



AI Robot



AI Voice Assistant



Epace Robotics and A.I Lab Experiments



Training a machine to identify different types of Smileys



Picking and placing a chess pawn using in app programming as well as manual joystick control.



Voice controlled vehicle



Training a machine to identify Handwriting



Making a machine predict the weather



Pitch the drone backward to maintain an angle between 15 degrees to 20 degrees for 10 seconds or more.



Roll the drone leftward to maintain an angle between 7.5 degrees to 12.5 degrees for 10 seconds or more.



Many more experiments



Skills Gained by the Student using the Robotics and A.I Lab



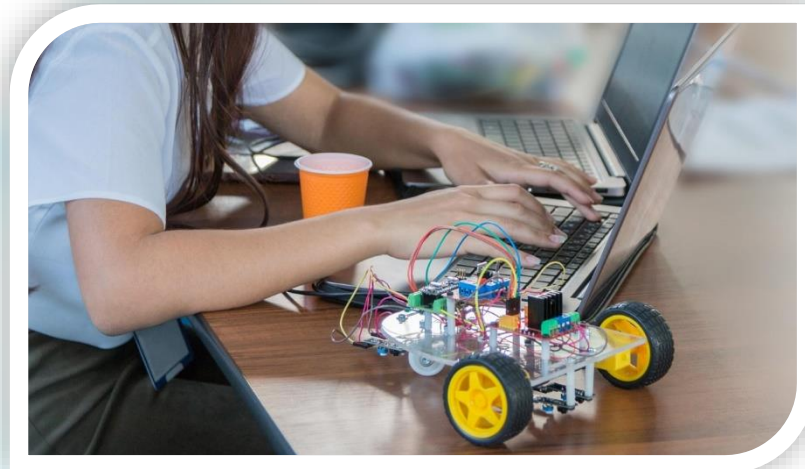
DATA ORGANIZATION



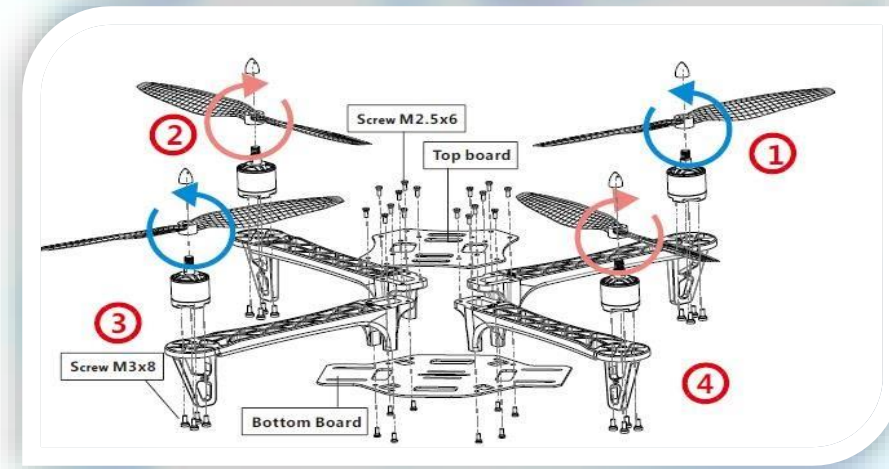
VOICE ASSISTANT
PROGRAMMING



METHODS OF MACHINE
LEARNING



CODING FOR ROBOTICS



DRONE ASSEMBLY AND FUNDAMENTALS



Benefits of Epace Robotics and A.I Lab

Learning how to
Prepare data

+

Making a
Machine Learn



Understanding Robotics and A.I develops a student's strategic thinking



Working with A.I develops a student's understanding of data analysis



Using Robotics and A.I helps a student relate to real-life scenarios of working with machines



Contents of AI Lab

Level 1 Lab



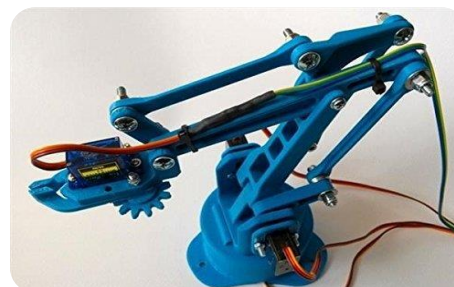
LEARNING MATERIAL



DRONE SIMULATOR



A.I SOFTWARE

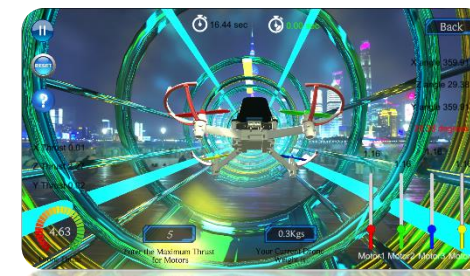


PICK AND PLACE ROBOT

Level 2 Lab



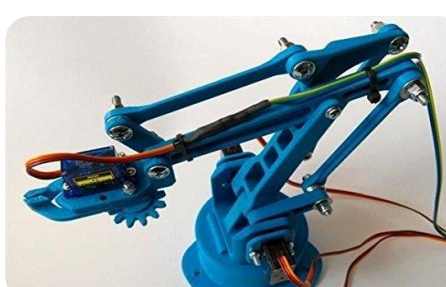
DRONES



DRONE SIMULATOR



VOICE ASSISTANT PLATFORM



PICK AND PLACE ROBOT



A.I ROBOT



A.I SOFTWARE



Benefits for School / College



Become a pioneer in providing new age skills to your students



Provide a platform for teachers & students to work on State-of-the-art technologies



Opportunity to make your students get future ready



Improve the cognitive skills of your students



Epace AI Lab Packages

All Packages come with one
year support

	Level 1	Level 2
Eduvance A.I Desktop Software licenses	30	50
AI Voice Assistant	-	3
AI Robots	-	3
Pick and Place Robotic Arm	4	8
Eduvance Drone Simulator	30	50
Pluto 1.2 Drone	-	5
Teacher training	1 Day	3 Days
Student Training	1 Day	3 Days





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