



SUMMER CAMP

STARTING 18-MAY

ROBOTICS EMBEDDED AI SYSTEMS



TRAINER-LED



PRACTICAL



CERTIFICATION



OFF-LINE



PRACTICE KIT



LIMITED BATCH

02
WEEKS

16
HOURS

01

ADVANCED ELECTRONICS

V,C, and I, Measuring
Devices, Resistors,
Capacitors, Ohm's Law...

02

HANDS-ON WITH ARDUINO

Overview of Arduino,
Serial communication,
Digital Inputs & Outputs...

03

PYTHON PROGRAMMING

Introduction to Python,
Installation & Setting
Statements, Keywords...

04

INTERNET OF THINGS

Introduction to IoT
Understand Raspberry Pi
Working with GPIOs...

FEE
7999/-

WEEK-1

ADVANCE ELECTRONICS

Introduction to Measuring Devices,
Types of Resistors,
Types of Capacitors,
Types of Diodes
Transistors.
Ohm's Law Etc.



Capacitors



Diodes



Transistors



Resistors

HANDS-ON WITH ARDUINO

Overview of Arduino,
Engaging Digital inputs and outputs,
DC Motors & Control,
IR & US Sensors
Building Line Following Robot
Obstacle Detecting Etc.



Arduino



IN/IO



DC Motor



Sensors

WEEK-2

PYTHON PROGRAMMING

Introduction to Python
Installation & Setting
Statements, Keywords, & Comments
Variables
Data Structures
Conditional Statements etc.



Data Structure



Loops



Installation



Functions

IOT (INTERNET OF THINGS)

Introduction to IoT
Understanding Raspberry Pi
Working with GPIOs
Inputs & Output of Rasp Pi
Voice commands
Music Player etc.



Raspberry Pi



Voice Command



Cloud Assistant



Speech Recognition

WHY ROBOTICS & AI EMBEDDED SYSTEMS

IMPROVES

critical thinking by helping kids apply what they've learned.

01

CRITICAL
THINKING



ENHANCES

creative imagination with building working models.

02

CREATIVITY
IMAGINATION



BOOSTS

logical thinking with integrating codes for deployment.

03

LOGICAL
THINKING



DEVELOPS

team work while assembling and developing models.

04

TEAM
WORK



ENROOTS

concentration while working on live models assembly and coding.

05 CONCENTRATION



The camp would be a Offline, trainer-led, hardware and AI oriented. where we would be giving the a kit during the camp. Students could use the hardware to build, deploy adn run the models and keep exploring the possibilities of AI4Good.

CONTACT US



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NOW !**

+91-8977944951/52
hello@schoolforai.com

WWW.SCHOOLFORAI.COM

