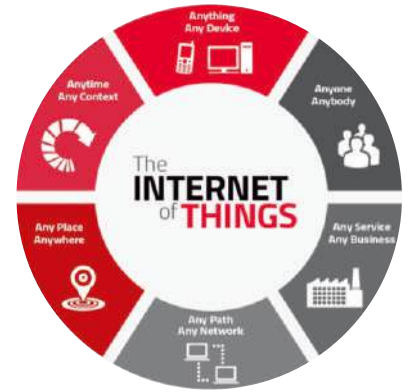




## SCHOOL OF ELECTRICAL ENGINEERING

### Exclusive summer Boot-Camp for Class 8th to 12th

# Summer Boot-Camp On "IoT & Robotics"



### SCHEDULE

Day	Date	Topics
DAY 1	15 <sup>th</sup> May 2025	Fundamental Concepts of Internet of Things:- Overview and real-world applications IoT ecosystem: sensors, microcontrollers, communication protocols
DAY 2	16 <sup>th</sup> May 2025	Hardware platforms overview: Arduino, ESP8266, ESP32, Raspberry Pi Setting up Arduino IDE / Platform_IO, Sensors, Actuators & Microcontroller Programming, Types of sensors (temperature, motion, light, gas, etc.) Actuators: relays, motors, buzzers, LEDs Basics of microcontroller programming (Arduino/ESP32)
DAY 3	19 <sup>th</sup> May 2025	Basics of microcontroller programming (Arduino/ESP32) Interfacing sensors with Arduino/ESP32 ESP8266/ESP32 Wi-Fi connectivity demo Cloud Integration Introduction to IoT cloud platforms: ThingSpeak, Blynk, Adafruit IO, Firebase
DAY 4	20 <sup>th</sup> May 2025	Hands on with Projects-Day1
DAY 5	21 <sup>st</sup> May 2025	Hands on with Projects-Day2
DAY 6	22 <sup>nd</sup> May 2025	Hands on with Projects-Day3
DAY 7	23 <sup>rd</sup> May 2025	Hands on with Projects-Day4 with Concluding Remarks

Duration:	2 hours per day (9AM-11AM) (Monday to Friday)
Venue	School of Electrical Engineering, Campus-3, KIIT University
Course Fee	Rs. 1500 per Students
Bank details	Bank- HDFC, Beneficiary Name- SCHOOL OF ELECTRICAL ENGG.; Beneficiary Account No- 50100195213087, Beneficiary IFSC Code- HDFC0003951, Branch- KIIT
Boot-Camp Starts	15.05.2025 i.e., 15 <sup>th</sup> May 2025
Last Date for Enrollment	12.05.2025 i.e., 12 <sup>th</sup> May 2025
Point of Contact	Prof SubratBehera-9556271032 (sbeherafel@kiit.ac.in) Prof. Ankit Soni-7587352151 -(ankit.sonifel@kiit.ac.in) Mrs. Anjana Satpathy-9861180863-(anjana.satpathy@kiit.ac.in) MdAftabAlam-8596096303-(mdaftab.alam@kiit.ac.in)

### TRAINING HIGHLIGHTS

Certificates will be awarded to the participants upon the completion of training.

The training will be conducted in **PHYSICAL** mode.

Training materials (sensors, actuators, etc.) will be provided for use during the training.

