IoT Coach

A comprehensive kit to explore, learn and make Internet of Things (IoT), Robotics, Smart Agriculture and a lot more . Kit is intended for teachers, students ,hobbyist and makers.

What Makes It Different ?

Versatile

Multi Disciplinary Coverage.

Comprehensive Approach for both Entry Level and Experienced Programmers.

Visual Programming Assist.

Open Source Hardware and Software.
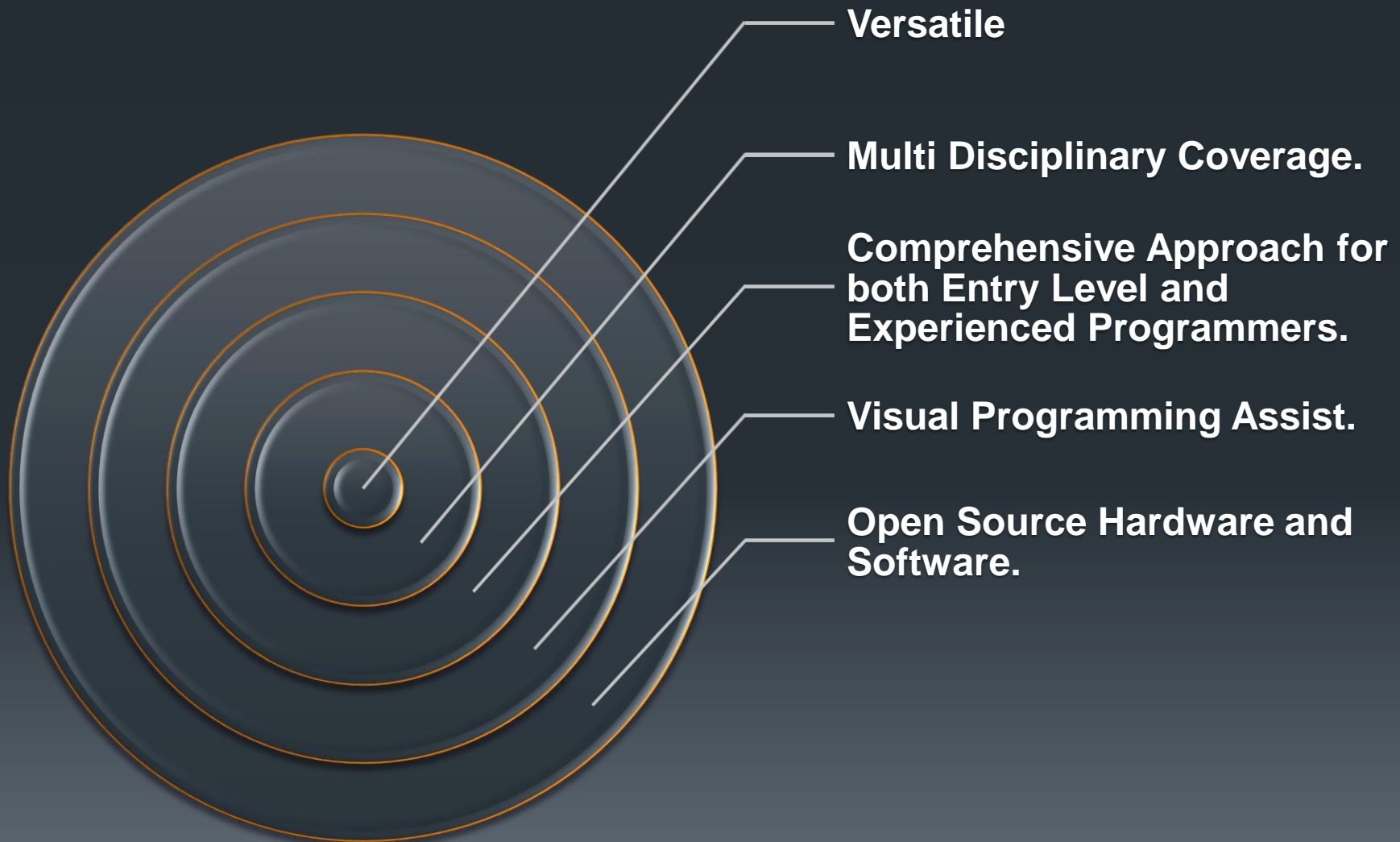
Disciplines Covered

IoT (Internet of Things).

Robotics

Smart Agriculture

Home Automation

Machine Learning

Student's Gain

Logic and Aptitude development.

Programming fundamentals development.

Reasoning and Problem Solving.

Theoretical and practical knowledge of microcontrollers.

Theoretical and practical knowledge of Analog and Digital Sensors.
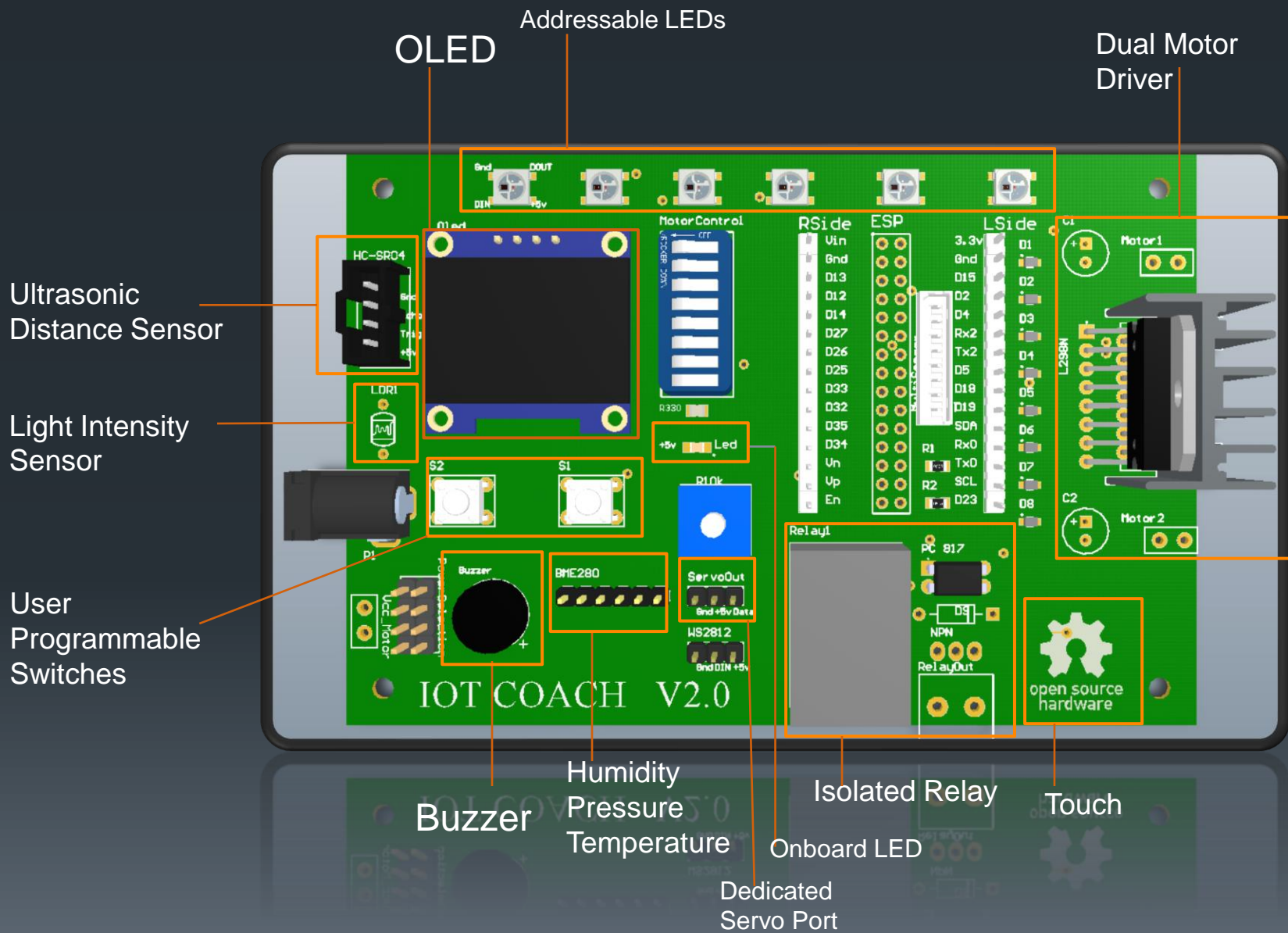
Sensor network

IoT Ecosystem.

Protocols Mqtt,CoAP,6LowPan.

Edge and Cloud computing

Features

- Temperature, Humidity and Pressure Sensor
- Light Intensity Sensor
- Distance Sensor
- Dual Motor driver
- Digital I/O
- Analog Inputs
- OLED Screen Interface.
- Two Programmable Switches
- Six Addressable LEDs WS2812
- Isolated Relay
- One Dedicated Servo Port
- Buzzer
- Touch Pad
- Hall Sensor
- BLE
- WiFi

Addressable LEDs

OLED

Dual Motor Driver

Ultrasonic Distance Sensor

Light Intensity Sensor

User Programmable Switches

Buzzer

Humidity Pressure Temperature

Dedicated Servo Port

Onboard LED

Isolated Relay

Touch

IOT COACH V2.0

Courseware

- Step by Step
- Comprehensive
- Hands On
- Real Life Scenario