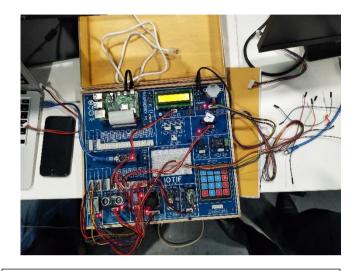# Shri Ramdeobaba College of Engineering and Management
Center for Invention Innovation incubation & Training
RCOEM-TATA-CIIT, Nagpur
IoT & Machine Learning Center of Excellence

Customized IDE Board: IOTIF
Integrated Development Environments: **Arduino Nano** **Raspberry Pi 3**
Added on board Support **ESP-01 (Wi-Fi)** **HC-05 (Blue Tooth)**
Sensors/Actuators mounted onboard: **LEDs (+RGB LED)** **LCD Crystal display** **Buzzer** **Relay** **Stepper Motor** **Servo motor** **DHT11 Sensor** **Ultrasonic sensor** **PIR sensor** **Keypad** **Joystick**
Additional sensors: **Turbidity, Torque, Acceleration, Gyroscopic** **Sound, Touch, Light, Moisture, Humidity** **Turbidity, Heart Beat, Water flow, Water level** **Vibration, Body Temperature, Oxygen level**

IoT kit caters to following domains of Automation Applications

1. Agriculture Technology
2. Health sector Automation
3. e-Mobility
4. Home Automation
5. Retail Automation

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https://forms.gle/4k7bFiGFeH9vg8WD8