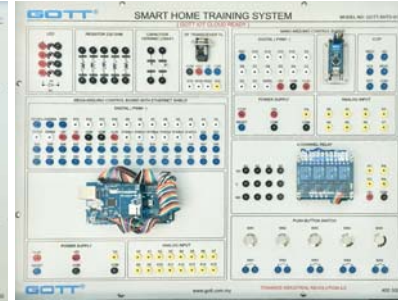


SMART HOME TRAINING SYSTEM (GOTT IOT CLOUD READY)

Model Number : GOTT-SHTS-01







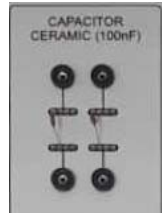





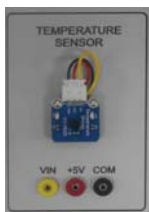

INDUSTRY 4.0

DESCRIPTION

The GOTT Smart Home Training System is designed to enable students to learn about a smart home devices. There is 2 optional for main control board, whether we choose using Arduino (GOTT-SHTS-01) or Raspberry PI (GOTT-SHTS-02). Apart from a components list, we also provide details about the Devicebit Platform including operation instructions, and experiments to apply these components and learn about the








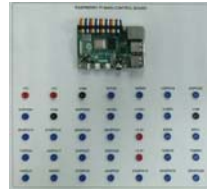
FEATURES


- The Smart Home IoT Kit enables you to do it your self a simple smart home system with Arduino or Raspberry Pi.
- With a detailed user manual containing 8 projects, code, datasheets, and so on; on DeviceBit, you can control devices remotely in real-time via the controller options, In this Smart Home system, you can constantly upload the data read from sensors to DeviceBit.
- GOTT Iot Icloud ready

NANO ARDUINO CONTROL BOARD	CODE 400-302	4-CHANNEL RELAY	CODE 400-303	PUSH BUTTON SWITCH	CODE 400-304	RESISTOR 220 OHM	CODE 400-305
<ul style="list-style-type: none"> • Arduino Nano Microcontroller board • Digital I/O: 14(6 PWM Output) • Power Supply : 3.3VDC and 5VDC • Analog input : 8 		<ul style="list-style-type: none"> • Supply voltage: 5 VDC • Maximum switching voltage: 250 VAC/ 30 VDC 		<ul style="list-style-type: none"> • Type: Momentary • 5 PCS 		<ul style="list-style-type: none"> • Power: 1/4 W • 5 PCS 	
<ul style="list-style-type: none"> • Type: Ceramic • 2 PCS 	CODE 400-306	<ul style="list-style-type: none"> • Wireless Transceiver • Supply voltage: 3.3 VDC • Frequency: 2.4 - 2.5 GHz • 2PCS 	CODE 400-307	<ul style="list-style-type: none"> • Supply voltage: 5 - 20 VDC 	CODE 400-308	<ul style="list-style-type: none"> • Detection range: 760 nm to 1100 nm • Supply voltage: 3.3 - 5 VDC 	CODE 400-309
<ul style="list-style-type: none"> • Supply voltage: 3.3 - 5 VDC 	CODE 400-310	<ul style="list-style-type: none"> • Operating voltage: 3 - 5 VDC • Humidity range: 20-90 % RH • Humidity accuracy: ±5 % RH • Temperature range: 0 - 50 °C • Temperature accuracy: ±2 °C 	CODE 400-311	<ul style="list-style-type: none"> • Supply voltage: 3.3 - 5 VDC • Temperature range: -55 °C - 125 °C 	CODE 400-312	<ul style="list-style-type: none"> • Electronic buzzer which are supplied by DC power • Supply voltage: 3.3 - 5 VDC 	CODE 400-313


SMART HOME TRAINING SYSTEM (GOTT IOT CLOUD READY)

Model Number : GOTT-SHTS-01

<p>VIBRATION SWITCH</p> <p>CODE 400-314</p> <p>Induces shock force and transfers the result to a circuit device thus triggering it to work</p> <ul style="list-style-type: none"> Supply voltage: 3.3 - 5 VDC 	<p>RFID MODULE</p> <p>CODE 400-315</p> <ul style="list-style-type: none"> Power Voltage: 3.3 VDC Operating Frequency: 13.56 Mhz 	<p>GAS SENSOR MQ2</p> <p>CODE 400-317</p> <p>An MQ-2 gas sensor module that outputs an analog value when sensing combustible gas</p> <ul style="list-style-type: none"> Supply voltage: 5 VDC 	<p>BAROMETER</p> <p>CODE 400-318</p> <p>A barometer is a scientific instrument used to measure the air pressure</p> <ul style="list-style-type: none"> Supply voltage: 3.3 - 5 VDC 
<p>RAINDROP SENSOR ANALYZER</p> <p>CODE 400-319</p> <p>To analyze raindrop sensor</p> <ul style="list-style-type: none"> Supply voltage: 3.3 - 5 VDC 	<p>RAINDROP SENSOR</p> <p>CODE 400-320</p> <p>A raindrop sensor to detect whether it is raining and also the rainfall</p> <ul style="list-style-type: none"> Supply voltage: 3.3 - 5 VDC 	<p>MEGA ARDUINO MAIN CONTROL BOARD (OPTIONAL ITEM)</p> <p>CODE 400-320</p> <ul style="list-style-type: none"> Arduino Mega 2560 microcontroller board Digital I/O: 54(14 PWM Output) Power Supply : 3.3vdc and 5vdc Analog input : 16 	<p>RASPBERRY PI 4 MAIN CONTROL BOARD (OPTIONAL ITEM)</p> <p>CODE 400-321</p> <ul style="list-style-type: none"> CPU Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz 28x user GPIO supporting various interface Power Supply : 5vdc 3A 




GOTT IOT CLOUD



SMART HOME

The house is the Internet of Things appliance.



Towards Industrial Revolution 4.0

www.gott.com.my

EXPERIMENT TOPICS :

- How to Use Flame Sensor
- How to use Digital Temperature Sensor DS18B20
- How to Use Raindrop Analyser
- How to Use Vibration Switch
- How to Use Active Buzzer
- How to Use RFID Module
- How to Use Photoresistor Module
- How to Use Humiture Sensor DHT11 module
- How to Use MQ-2 Gas Sensor
- How to Use PIR
- How to Use Gas Pressure Sensor BMP280
- How to Use Transceiver

Manuals:

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms:

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specification are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBI	CODE
SMART HOME TRAINING SYSTEM (GOTT IOT CLOUD READY) WITH ARDUINO	GOTT-SHTS-01	400-300
SMART HOME TRAINING SYSTEM (GOTT IOT CLOUD READY) WITH RASPBERRY PI	GOTT-SHTS-02	400-500

* Proposed design only, subject to changes without any notice