

ATL All Packages List with Details

We congratulate you on being selected for ATL Lab.

We, at InfoRob believe the strength in the lab will be the curriculum and the training coupled with sustainable kits which will ensure that the lab will run long term & on a self-sustainable manner.

InfoRob is an Organisation specialising in STEM Education and deals with design, construction, operation and use of robots, as well as computer system for their control. InfoRob gives different STEM Education Programs for different-different Age group kids. Our Vision is to Teach student in practical learning way And Introduce Student About STEM (Science/Technology/Engineering & Maths) Education in a fun And Scientific Manner.

ADVANTAGE InfoRob –

- Resource Kits for below mentioned programs – Safe, User friendly and universally accepted
- Curriculum & Session Plans – Well integrated & well defined, age appropriate programs.
- Projects / Models – Library and bank of models, projects and challenges
- Service/ Customer Support – Online and Offsite Training and Support for smooth implementation and hassle free use.

COMMERCIAL PROPOSAL STEM LABS

1. Roles of InfoRob

- a. Supply of kits as per attachment and listed, this includes curriculum, teaching instructions, teaching guide / modules etc.
- b. Providing an average of 32 hours of training sessions. The trainer will be visiting the school to conduct the training + We will provide training software for self learning
- c. Provide offline support and consultancy for a period of 1 yr.
- d. 2 Years comprehensive warranty at no additional costs.
- e. Additional 3 Years comprehensive AMC at costs.

Please do not hesitate, should you require any more information about our company and / or it programs,

Look forward to your reply,

Best Regards,

For Team inforob – Bhupesh Pandey (+91-9753770711), Manish Jain (+91-6261275010)

InfoRob Robotics Automation Sales and Services

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Atal Tinkering Lab Package Proposal

Inforob Robotics Automation Sales & Service


Package 1: Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	Qty	Product Image
1	Arduino	Arduino UNO or compatible microprocessor & microcontroller	Hardware development board with memory and IO ports	30	
2	Arduino	Arduino Nano	Hardware development board with memory and IO ports	10	
3	Arduino	Arduino Mega		10	
4	Raspberry pi	Raspberry pi4	Raspberry pi3 model B,	5	
5	GL12	Breadboards & Mini Breadboard	Solderless 400 points	30	
			Solderless 800 Points	20	
	Arduino compatible		Self Adhesive Proto shield	20	
6	White Label	General purpose Soldering Board	FR2 A Grade Material (140*90mm)	30	
			FR2 A Grade Material (80*55mm)	30	
			Female Berg Strip 40 Pins	30	
			Male Berg Strip 40 Pins	30	
7	EW	9Voltbattery, multiple resistors and capacitors for electronics Project various Size	9V Battery Rechargable battery with 2 charger	10/1	
			Multiple Resistor box with different value	5	
			Multiple Capacitor with different value	5	
8	white Label	16x2 LDC display with I2C	Dot matrix LCD display with 16 characters x 2 lines	20	
9	Arduino compatible	USB Cable Set	USB Cable Set (A to B)	10	
10	Fairchild	Line Voltage Regulator	7805	10	
			7812	10	
			7809	10	
11	White Label	Water Pump Module	DC 12V,4W,Submersible water Pump	4	
12	White Label	Piezoelectric Plate	Normal copper based 4cm Diameter	30	

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SN	Product Make	Product Name	Description	Qty	Product Image
13	Arduino compatible	8*8 LED Matrix Module	Max 7219 Dot LED Matrix Module MCU control LED Display Module	10	
14	Arduino compatible	Bluetooth	HC 05 working voltage 5 Volt	15	
15	Arduino compatible	7 Segment LED Display	LED 4-digit Display Module w/t clock point /4 pin DuPont line for Arduino.	20	
16	Arduino compatible	GSM	SIM 800L Gers Transfer board micro Sim core Ttl port module for Arduino	4	
17	Arduino compatible	GPS	GY NEO6MV2 New GPS Module	4	
18	Arduino compatible	Laser Diode	650Nm, 6mm, 5V DC, 5mw mini Laser dot diode module	10	
19	Arduino compatible	LDR Module	Photosensitive LDR light sensor module	30	
20	Arduino compatible	Keypad	Universal 16 Key switch keypad	10	
21	Arduino compatible	Joy Stick	Joy stick module for Arduino	10	
22	White Label	Active Buzzer	Small 5 Volt	40	
			Big 5 Volt	40	
23	Texas	Motor Driver	L293D Moter Driver module	10	
23	Arduino compatible	Sound Play Back Module	Voice Board Recording Recorder Playback Module on Board Microphone with Mic Sound Audio Loudspeaker	10	

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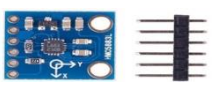






Package 1: Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	Qty	Product Image
24	White Label	BO Motors With Wheel	Side Shaft BO Motor	40	
25	Arduino compatible	NodeMCU	WiFi Internet Development Board Module NodeMCU	6	
26	Arduino compatible	Wemos D1	WiFi Internet Development Board Module NodeMCU	6	
27	White Label	Vibrating Motor	Vibrating Motor (3.5 volt)	20	
28	White Label	Alligator Connectors	Multi Colour Alligator Connectors	100	
29	White Label	Battery clips with DC Jack	9 volt battery clips with DC Jack	40	
30	White Label	Hook-up Wires	Red & Black set 100 Meters each	4	
31	White Label	Jumper Cable	Male - Male	1000	
			Male-Female	600	
			Female -Female	400	
32	White Label	RGB LEDs	Regular 5mm 3-5 volt Range	400	
33	White Label	LEDs (Red)	Regular 5mm 3-5 volt Range	1000	
34	White Label	LEDs (Green)	Regular 5mm 3-5 volt Range	1000	
35	White Label	LED (Yellow)	Regular 5mm 3-5 volt Range	1000	
36	White Label	LED(white)	Regular 5mm 3-5 volt Range	1000	
37	White Label	LEDs (Blue)	Regular 5mm 3-5 volt Range	1000	
38	Taxes	Diode	Different Basic Diodes kit (including Zener + standard diode kit) Transistor Kit (NPN Transistor) Pack of 25 PNP (Transisstor Kit) Pack of 25	3	
39	White Label	Push Button Switch	Tactile Switch Micro - Push to On Button (Pack of 100)	3	
40	Texas	555 Timer IC	555 Timer IC	30	

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Inforob Robotics Automation Sales & Service


Package 1: Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	Qty	Product Image
41	ATMEL	ATmega16U2	Individual IC (DIP)	10	
42	Arduino compatible	MPR121	Capacitive touch module (MPR 121)	20	
43	Arduino compatible	Capacitive Touch Switch	Capacitive Touch Switch	10	
44	Arduino compatible	IR Sensors Obstacle	Detection range and Angle	20	
45	Arduino compatible	Triple Axis Magnetometer	3-Axis Magneto resistive Sensors I2C Digital Interface Integrated 12-bit ADC Range of -8 to +8 Gauss 160 Hz Maximum Output Rate	10	
46	Arduino compatible	Humidity Sensor	Operating range: 20 - 95 % RH Temperature: 0 - 60 Celsius Power supply: 1.5V AC (Max sine) Operating frequency: 500 - 2KHZ	10	
47	Grove	MQ Series	MQ-2 Smoke detection	3	
			MQ-3 Alcohol-Ethanol sensor	3	
			MQ-4 methene natural gas sensor	3	
			MQ-5 Methene Liquified Gas sensor	3	
			MQ-6 LPG sensor	3	
			MQ-7 High Sensitivity CO Carbon Monoxide Sensor Detector	3	
			MQ-8 Hydrogen gas sensor	3	
			MQ-135 Air Quality Sensor (Smoke Fast response Stable and long life Simple drive circuit)	3	
48	White Label	IR (transmitter) receiver TSOP 1738	Switching rate - 38 KHz	10	
49	Arduino compatible	Ultrasonic Sensor Module HC-SR-04 or compatible	Power supply Quiescent current Working current Effectual angle Ranging distance Resolution Working angle & dimension	40	
50	Grove	Triple Axis accelerometer	3-axis sensing Small, low profile package 4 mm x 4 mm x 1.45 mm LFCSP Low Power: 350 μA (typical) Single-supply operation: 1.8 V to 3.6 V Temperature stability	10	
51	Grove	PIR Motion Detector Module	High digital pulse when motion detected Low digital pulse when idle / no motion detected Sensitivity range (upto 6m) Power supply: 5V - 12V	20	

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SN	Product Make	Product Name	Description	Qty	Product Image
52	Arduino compatible	Pulse Rate heart sensor	Pulse Rate Sensor Finger Based wore on the finger or earlobe Working voltage 3-5V	4	
53	Arduino compatible	Relay Module	5V 10A 2 Channel Relay Module	20	
54	Arduino compatible	Relay Module	5V 10A, single channel relay	20	
55	Arduino compatible	Big Sound micro phone module	Large electret capsule sound module	10	
56	Arduino compatible	Soil Moisture Sensor	Soil Moisture Detection Humidity Sensor Module	6	
57	Arduino compatible	Touch Sensor	Capacitive Touch Sensor Module	6	
58	Arduino compatible	Metal touch sensor module	Metal Touch sensor Module	10	
59	Arduino compatible	Rain Drop Sensor	Rain Sensitive, Rain Drop Detection Sensor Module	6	
60	White Label	Flex Sensor	Flex Sensor 2.2 Inches	6	
61	White Label	Temperature Sensor	Temperature Sensor Lm35	6	
62	White Label	Temperature Sensor & Humidity sensor module	DTH 11	40	
63	White Label	Force Pressure Sensor	Forcesensitive resistor with a square, 1.75" x 1.5" sensing area	4	

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Infro Robotics Automation Sales & Service

Package 1: Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	Qty	Product Image
64	Arduino compatible	Colour Recognition Sensor	TCS3200 Colour Recognition Sensor	4	
65	Arduino compatible	Water Flow Sensor	Arduino Compatible	4	
66	Arduino compatible	Sound Sensor	Sound Sensor Module, Microphones module	10	
67	Arduino compatible	IR Sensors Array for Line Following	IR Sensors Array for Line Following	10	
68	Syska	10000 MH 5 volt Power Bank	10000 MH 5 volt Power Bank	5	
69	Arduino compatible	RFID Reader - Tags	Current: 13-26mA/ DC 3.3V Idle Current: 10-13mA/ DC 3.3V Sleep Current < 80uA Peak Current < 30mA Operating Frequency: 13.56MHz < 30mA Read range between 20 cm to 1 m	10	
70	Grove	RF Modules Tx & Rx 315 MHz ASK	Frequency Range: 433.92/315 MHz Supply Voltage: 3 - 6 V Output Power : 4 - 16 Dbm Low power consumption Easy application	10	
71	Adafruit	Stepper Motor with Driver board	28BY J-48 ULN2003 5V Stepper motor+ULN2003 Driver Board	10	
72	White Label	DC Motor	12V, DC gear 150 RPM	20	
73	White Label	Servo motors	Position Servo Angle based Metal Gear	10	
			Small Servo Metal Gear	10	
			Continuous Metal Gear Servo 360	10	
			Small Servo Plastic Gear	40	
74	White Label	150 RPM BO Motor	150 RPM BO motor	10	
75	Arduino compatible	L298P Motor Driver	L298P Motor Driver shield or Relative driver shield	10	

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SN	Product Make	Product Name	Description	Qty	Product Image
76	Arduino compatible	Servo motor Tester	CCPM 3 channel servo motor tester	4	
77	White Label	Robotics DIY KIT	4 wheel robotics kit Consists with 4X Motor, 4X Wheel, Battery Case, 1X Ultrasonic sensor, 2X IR sensor	3	
78	White Label	STEM Learning Application Kit	Aerospace Kit (balsa wood kits) 2X propeller based kit 2X Aeromodelling kit 2X Chuck Glider kit	1	
79	Universal Lab		Automobile Kit 1X model for Demonstration of 2 stroke engine working 1X model for Demonstration of 4 stroke engine working	1	
80	Mercury Lab Planners	STEM Learning Application Kit	Bio-medical Kit Blood Group determination kit PH paper testing kit Blood pressure measuring kit	1	
81	Universal	STEM Learning Application Kit	Agri-tech Kit Soil testing kit	1	
82	Mercury Lab Planners	STEM Learning Application Kit	Bio-tech Kit 1) DNA extraction from cheek cells 2) Lactometer for Milk Adulteration 3) Fingertip pulse oximeter 4) Glucose testing kit	1	