

LIST OF MATERIALS PROVIDED FOR ATL:

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

S. no	Category	Type	Name	Qty
1	Electronics Development Boards	Equipment	Arduino Uno	20
2	Electronics Development Boards	Equipment	Breadboards	20
3				20
4				20
5	Electronics Development Boards	Equipment	General purpose boards	10
6	Electronics Development Boards	Equipment	LCD 16x2	10
7	Electronics Development Boards	Equipment	USB Cables (Type A to B)	20
8	Electronics Development Boards	Consumables	Multiple	500
9				500
10				20
11	Internet of Things	Sensors	IR Sensors	10
12	Internet of Things	Sensors	Triple Axis Magnetometer H MC5883L	5
13	Internet of Things	Sensors	Humidity Sensor	5

S. no	Category	Type	Name	Qty
14	Internet of Things	Sensors	MQ-4 Natural Gas sensor	3
15	Internet of Things	Sensors	TSOP 1783	10
16	Internet of Things	Sensors	Ultrasonic Sensor Module HC-SR- 04	20
17	Internet of Things	Sensors	Triple Axis Acceleometer ADXL335	5
18	Internet of Things	Sensors	PIR Motion Detector Module	5
19	Internet of Things	Sensors	CMOS IR Camera Module - 728x488	2
20	Internet of Things	Sensors	RFID Reader	3
21	Internet of Things	Sensors	RF Modules Tx& Rx 315 MHz ASK	5
22	Internet of Things	Sensors	Voice Recognition	1
23	Robotics	Equipment	Motors	5
			Wattage of Soldering Iron: 15-30 watts/230 volts Soldering Iron Temperature Range: 280°C to 450°C	20
				5
		4 Wheel Robot Car Chassis		3
		Diy Robotics	Strobe kit Education	5



Training:	Training Activity
DAY 1	Complete Solution Introduction Introduction to Robotics with STROBE STEM Education Module.
DAY 2	Introduction to Advanced Robotics with STROBE STEM Education Module
DAY 3	Introduction to Arduino Electronic Development Board
DAY 4	Rapid Prototyping with 3D printer
DAY 5	Electronics & IOT