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**Zbotic ATL Package 1-60 Students**  
**Electronic Development, Robotics, Internet of Things and Sensors**

| Sr.No. | Product Name       | Description                                                                                                                           | Quantity | SKU CODE | ZBOTIC Image                                                                        |
|--------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|
| 1      | Arduino Uno        | "Atmega 328P-8Bit AVR family Microcontroller, Equivalent or better. Operative voltage 5V, Digital I/O Pins 14, Analog input pins 8    | 30       | AI0001   |    |
| 2      | Arduino Nano       |                                                                                                                                       | 10       | AI0030   |    |
| 3      | Arduino Mega       | Atmega 2560P- 8 Bit AVR family Microcontroller, Equivalent or better. Operative voltage 5V, Digital I/O Pins 54, Analog input pins 16 | 10       | AI0024   |    |
| 4      | Raspberry pi       | Raspberry pi3 model B+, Including HDMI to VGA -1 cable, Class 10A 32 GB memory card, HDMI To VGA Adapter                              | 5        |          |    |
| 5      | Breadboard         | Solderless 400 points                                                                                                                 | 30       | AI0055   |    |
| 6      | Breadboard         | Solderless 800 Points                                                                                                                 | 20       | AI0046   |  |
| 7      |                    | Self Adhesive Proto shield                                                                                                            | 20       | AI0130   |  |
| 8      | PCB                | FR2 A Grade Material (140*90mm)                                                                                                       | 30       |          |  |
| 9      | PCB                | FR2 A Grade Material (80*55mm)                                                                                                        | 30       |          |  |
| 10     | Berg Strip         | Female Berg Strip 40 Pins Single Row                                                                                                  | 30       | AI0172   |  |
| 11     |                    | Male Berg Strip 40 Pins Single Row                                                                                                    | 30       | AI0080   |  |
| 12     | 16 x 2 LCD display | Dot matrix LCD display with 16 characters x 2 lines                                                                                   | 20       | AI0006   |  |
| 13     | USB Cables         | USB Cable Set (A to B)                                                                                                                | 10       | AI0003   |  |
| 14     |                    | Mini USB Cable Set                                                                                                                    | 10       | AI0072   |  |
| 15     | Battery            | 9V Battery Rechargeable battery with 1 charger                                                                                        | 10       |          |  |

|    |                          |                                                                                                   |    |        |                                                                                     |
|----|--------------------------|---------------------------------------------------------------------------------------------------|----|--------|-------------------------------------------------------------------------------------|
| 16 | Resistor kit             | Resistor Kit (Different Value)<br>Variable resistor Kit (Kit Consist of 5 different value)        | 18 |        |    |
| 17 |                          |                                                                                                   | 2  |        |    |
| 18 | Capacitor kit            | Capacitor Kit (Different value)<br>Electrolyte capacitor Kit (Kit Consist with 5 different value) | 18 |        |    |
| 19 |                          |                                                                                                   | 2  |        |    |
| 20 | Linear Voltage Regulator | 7805                                                                                              | 10 |        |    |
| 21 |                          | 7812                                                                                              | 10 |        |    |
| 22 |                          | 7809                                                                                              | 10 |        |    |
| 23 | Water Pump Module        | DC 12V,4W,Submersible water Pump                                                                  | 4  |        |    |
| 24 | Piezoelectric Plate      | Normal copper based 4cm Diameter-<br>Piezoelectric Plate                                          | 30 | AI0131 |   |
| 25 | 8*8 LED matrix Module    | 8*8 LED Matrix Max 7219 Dot LED<br>Matrix Module MCU control LED<br>Display Module                | 10 | AI0040 |  |
| 26 | Bluetooth Module         | HC 05 working voltage 5 Volt                                                                      | 15 | AI0016 |  |
| 27 | 7 seg display 4 digit    | LED 4-digit Display Module w/t clock<br>point /4 pin DuPont line for Arduino.                     | 20 | AI0107 |  |
| 28 | GSM                      | SIM 800L Gers Transfer board micro<br>Sim core Ttl port module for Arduino                        | 4  | AI0099 |  |
| 29 |                          | GY NEO6MV2 New GPS Module                                                                         | 4  | AI0141 |  |
| 30 | Laser Diode only         | 650Nm, 6mm, 5V DC, 5mw mini Laser<br>dot diode module                                             | 10 | AI0132 |  |
| 31 | LDR module               | Photosensitive LDR light sensor<br>module                                                         | 30 | AI0103 |  |
| 32 | Keypad                   | Universal 16 Key switch keypad                                                                    | 10 | AI0059 |  |
| 33 | Joy stick                | Joy stick module for Arduino                                                                      | 10 | AI0133 |  |
| 34 | Active Ruzzer            | Small 5 Volt                                                                                      | 40 | AI0083 |  |

|    |                                  |                                              |      |                   |                                                                                     |
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| 35 |                                  | Big 5 Volt-module                            | 40   | AI0112            |    |
| 36 | Motor Driver Module              | L293D Moter Driver module                    | 10   | AI0031            |    |
| 37 | Sound Play Back Module           | ISD 1820Voice Recording Module or equivalent | 10   | AI0127            |    |
| 38 | DC Plastic Gear motor with wheel | 12V,150 RPM,Side shaG,Battery operated       | 40   | AI0186            |    |
| 39 | NodeMCU                          | ESP 8266 I2C,1 Wire,Plug and Play            | 6    | AI0157            |    |
| 40 | Wemos D1 R2                      | WeMos D1 R2 with Wi-Fi,ESP 8266              | 6    | AI0257            |    |
| 41 | Vibrating Motor                  | Vibrating Motor Opertating Voltage 1.5 to 3V | 20   |                   |    |
| 42 | Alligator Connectors             | Multi Colour Alligator Connectors            | 200  | AI0065            |    |
| 43 | Battery clips with DC Jack       | 9 volt battery clips with DC Jack            | 40   | AI0020            |   |
| 44 | Hook-up Wires                    | Red & Black set 100 Meters each              | 4    | AI0234 and AI0235 |  |
| 45 | Jumper Cable                     | Male - Male                                  | 1000 | AI0063            |  |
| 46 |                                  | Male-Female                                  | 600  | AI0062            |  |
| 47 |                                  | Female -Female                               | 400  | AI0064            |  |
| 48 | LED                              | RGB LEDs Regular 5mm 3-5 volt Range          | 400  | AI0249            |  |
| 49 |                                  | LEDs (Red) Regular 5mm 3-5 volt Range        | 1000 | AI0247            |  |
| 50 |                                  | LEDs (Green) Regular 5mm 3-5 volt Range      | 1000 | AI0233            |  |
| 51 |                                  | LEDs (Blue) Regular 5mm 3-5 volt Range       | 1000 | AI0204            |  |
| 52 |                                  | LeD(yellow) Regular 5mm 3-5 volt Range       | 1000 | AI0261            |  |
| 53 |                                  | LEDs (White) Regular 5mm 3-5 volt Range      | 1000 | AI0258            |  |

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| 54 | Timer IC-NE 555                          | 555 Timer IC 4.5V to 16 Volt                                                                                                 | 30  | AI0173 |    |
| 55 | Diode Kit                                | 1N4007-25<br>1N 4006-25<br>Zener Diode 4.6V-25<br>Zener diode 2.5V-25                                                        | 100 |        |                                                                                     |
| 56 | Transistor Kit                           | BC-547-25 BC 557-25                                                                                                          | 50  |        |                                                                                     |
| 57 | Atmega 328                               | 8 bit Microcontroller individual IC (DIP)                                                                                    | 10  | AI0104 |    |
| 58 | Button Switch Set                        | Tactile Switch Micro - Push Button                                                                                           | 200 | AI0246 |    |
| 59 |                                          | 4mm SPDT 1P2T Slide Switch                                                                                                   | 100 | AI0195 |    |
| 60 | Capacitive touch Module                  | MPR 121 with I2C Voltage range 2.7V to 5.5V.                                                                                 | 20  | AI0244 |    |
| 61 | Capacitive Touch Switch Module           | Digital Capacitive Touch Switch Module TTP223B                                                                               | 10  | AI0230 |    |
| 62 | IR Sensor Obstacle avoider sensor module | LM 393<br>Detection Distance 2-30 C.M<br>Detection angle 30-40 Degree                                                        | 20  | AI0074 |   |
| 63 | Triple Axis Magnetometer                 | 3 Axis Magneto Resistive Sensors I2C Digital Interface Integrated 12 bit ADC                                                 | 10  | AI0023 |  |
| 64 | Humidity Sensor                          | Operating range: 20 - 95 % RH<br>Temperature: 0 - 60 Celsius Power supply: 1.5V AC (Max sine) Operating frequency: 500 -2KHZ | 10  | AI0070 |  |
| 65 | MQ Series Gas Sensors Modules            | MQ-2 Smoke detection                                                                                                         | 3   | AI0033 |  |
| 66 |                                          | MQ-3 Alcohol-Ethanol sensor                                                                                                  | 3   | AI0109 |  |
| 67 |                                          | MQ-4 Methane Natural Gas Sensor                                                                                              | 3   | AI0160 |  |
| 68 |                                          | MQ-5 Methane Liquified Gas Sensor                                                                                            | 3   | AI0161 |  |
| 69 |                                          | MQ-6 Liquified Petroleum Gas Sensor                                                                                          | 3   | AI0105 |  |
| 70 |                                          | MQ-7 High Sensitivity CO Carbon Monoxide Sensor Detector                                                                     | 3   | AI0162 |  |
| 71 |                                          | MQ-8 Hydrogen Gas Sensor                                                                                                     | 3   |        |  |
| 72 |                                          | MQ-135 Air Quality Sensor (Smoke Fast response Stable and long life Simple drive circuit)                                    | 3   | AI0245 |  |

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| 73 | IR transmitter / receiver           | TSOP 1738<br>Switching rate – 38 KHz                                                                                                           | 10 | AI0095 |    |
| 74 | Ultrasonic Module                   | Power supply Quiescent current<br>Working current<br>Effectual angle Ranging distance<br>Resolution Working angle &                            | 40 | AI0010 |    |
| 75 | Tripple axis magnetometer           | 3-axis sensing Small, low profile<br>package 4 mm × 4 mm × 1.45 mm<br>LFCSP Low Power: 350 µA<br>(typical) Single-supply operation: 1.8 V      | 10 | AI0023 |    |
| 76 | PIR Motion Detector Module          | High digital pulse when motion<br>detected Low digital pulse when idle<br>/no motion detected Sensitivity range<br>(upto 6 m) Power supply: 5V | 20 | AI0085 |    |
| 77 | Water Flow Sensor                   | Arduino Compatible water flow sensor<br>5V Dc<br>Input                                                                                         | 4  | AI0190 |    |
| 78 | Sound Sensor                        | Sound Sensor Module, Microphones<br>module                                                                                                     | 10 | AI0126 |    |
| 79 | IR Sensors Array for Line Following | IR Sensors Array for Line Following                                                                                                            | 10 | AI0158 |    |
| 80 | Power Bank                          | 10000 mAH 5 volt Power Bank                                                                                                                    | 5  |        |                                                                                     |
| 81 | RFID Reader — Tags                  | Current: 13-26mA/ DC 3.3V Idle<br>Current: 10-<br>13mA/ DC 3.3V Sleep Current<80uA<br>Peak Current<30mA Operating                              | 10 | AI0078 |   |
| 82 | RF Modules Tx & Rx 315 MHz ASK      | Frequency Range: 433.92/315 MHz<br>Supply Voltage: 3 — 6 V<br>Output Power : 4 — 16 Dbm Low<br>power consumption Easy application              | 10 | AI0007 |  |
| 83 | Stepper Motor with Driver board     | 28BY J-48 ULN2003 5V Stepper<br>motor+ULN2003 Driver Board                                                                                     | 10 | AI0043 |  |
| 84 | DC Motor                            | 12V, DC gear 150 RPM                                                                                                                           | 20 |        |  |
| 85 | Servo motors                        | Position Servo Angle based Metal<br>Gear                                                                                                       | 10 | AI0091 |  |
| 86 |                                     | Small Servo Metal Gear                                                                                                                         | 10 | AI0092 |  |
| 87 |                                     | Continuous Metal Gear Servo 360                                                                                                                | 10 | AI0041 |  |
| 88 |                                     | Small Servo Plastic Gear-180 degree                                                                                                            | 40 | AI0185 |  |
| 89 | 150 RPM BO Motor                    | 150 RPM BO motor                                                                                                                               | 10 | AI0008 |  |
| 90 | L298P Motor Driver                  | L298P Motor Driver shield or Relative<br>driver<br>shield                                                                                      | 10 | AI0026 |  |
| 91 | Servo Tester                        | CCPM 3 channel servo motor tester                                                                                                              | 4  | AI0042 |  |

|     |                                               |                                                                                   |    |        |                                                                                                                      |
|-----|-----------------------------------------------|-----------------------------------------------------------------------------------|----|--------|----------------------------------------------------------------------------------------------------------------------|
| 92  | Pulse Rate heart sensor                       | Pulse Rate Sensor Finger Based wore on the finger or earlobe Working voltage 3-5V | 4  | AI0050 |                                     |
| 93  | Relay Module                                  | 5V 10A 2 Channel Relay Module                                                     | 20 | AI0084 |                                     |
| 94  | Relay Module                                  | 5V,10 A,-1 Channel Relay module                                                   | 20 | AI0018 |                                     |
| 95  | Big Sound Microphone Module                   | Large Electret Capsule Sound Module                                               | 10 | AI0069 |                                     |
| 96  | Soil Moisture Sensor Module                   | FC-28with LM 293 Comparator Operating Voltage 3.3V to 5 Volt                      | 6  | AI0071 |                                     |
| 97  | Touch Sensor                                  | Capacitive Touch Sensor Module TTP 22X series Operating Voltage 2.4V to 5.5V      | 6  |        |                                     |
| 98  | Metal touch sensor module                     | KY-036 or Equivalent Metal Touch sensor Module                                    | 6  | AI0136 |                                     |
| 99  | Rain Drop Sensor                              | Rain Sensitive, Rain Drop Detection Sensor Module                                 | 6  | AI0171 |                                     |
| 100 | Flex Sensor                                   | Flex Sensor 2.2 Inches                                                            | 6  |        |                                    |
| 101 | Temperature Sensor                            | Temperature Sensor Lm35                                                           | 6  |        |                                   |
| 102 | Temperature sensor and Humidity sensor Module | DTH 11 Voltage range 3v-5V                                                        | 40 |        |                                   |
| 103 | Force Pressure Sensor                         | Force sensitive resistor with a square, 1.75" x 1.5" sensing area                 | 4  |        |  |
| 104 | Colour Recognition Sensor                     | TCS3200 Colour Recognition Sensor                                                 | 4  | AI0142 |                                   |
| 105 |                                               | Robotics DIY KIT 4 wheel robotics kit                                             | 3  | AI0111 |                                   |
| 106 |                                               | Mechanical (modular) Construction kit                                             | 5  |        |                                   |
| 107 |                                               | Drone Kit                                                                         | 1  |        |                                   |
| 108 |                                               | Aerospace Kit                                                                     | 1  |        |                                   |

|     |          |                                      |   |        |                                                                                   |
|-----|----------|--------------------------------------|---|--------|-----------------------------------------------------------------------------------|
| 109 | Stem Kit | Automobile Kit-                      | 1 |        |  |
| 110 |          | Bio-Medical Kit                      | 1 |        |  |
| 111 |          | Agri Tech Kit                        | 1 |        |  |
| 112 |          | Water/Sanitation KIT                 | 1 |        |  |
| 113 |          | Bio Tech Kit                         | 1 |        |  |
| 114 |          | Other Potential stem application kit | 1 | AI0060 |  |