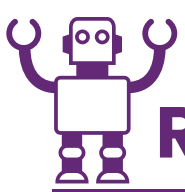
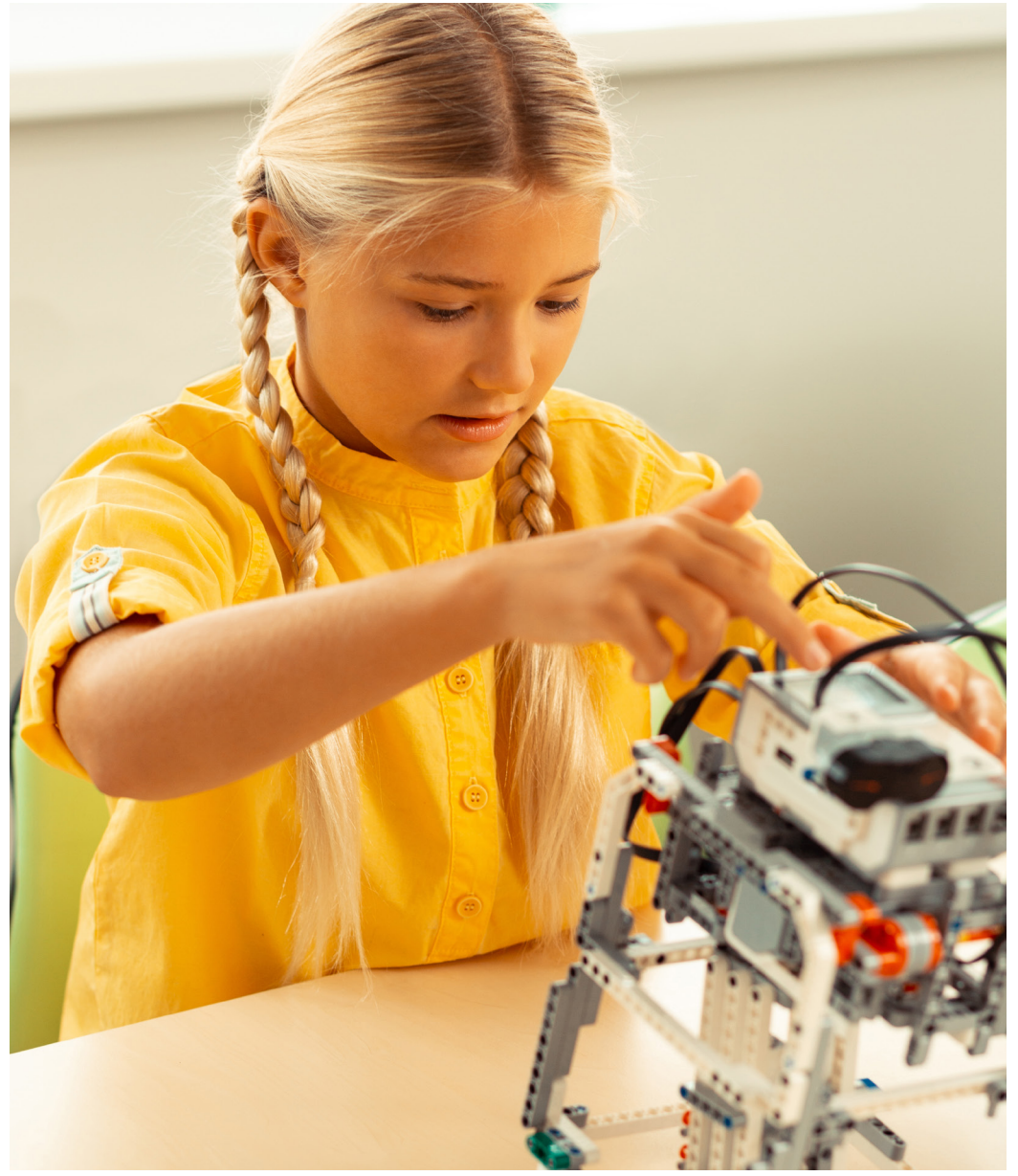


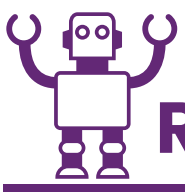
ROBOTICS- 3 Months

Sessions	EXPLORATION OF ROBOTICS 1 to 12 Sessions
Sessions 1	Exciting world of microcontroller & street light
Sessions 2	LED blinking and coding with street light & installation of IDE
Sessions 3	Basics of electronics, closed and short & electronics components
Sessions 4	Breadboard and using breadboard on Tinkercad
Sessions 5	Using breadboard, Arduino, & loose components
Sessions 6	Details about ELB, LEDs, 7 segment display programming & library introduction
Sessions 7	Basics of serial port monitor, random number generation & dice example
Sessions 8	Loops with examples
Sessions 9	Loops with examples
Sessions 10	Case Statement - some interesting example
Sessions 11	About debugging - error cases and fixes
Sessions 12	Functions



ROBOTICS- 6 Months

Sessions	EXPLORATION OF ROBOTICS 1 to 12 Sessions	FOUNDATION OF ROBOTICS Foundation of Robotics
Sessions 1	Exciting world of microcontroller & street light	Breadboard and using breadboard on Tinkercad
Sessions 2	LED blinking and coding with street light & installation of IDE	Using Breadboard with ELB V2 Kit & Tri Color LED
Sessions 3	Basics of electronics, closed and short & electronics components	About push button, 7-segment display & random number generation
Sessions 4	Breadboard and using breadboard on Tinkercad	Basics of 16x2 Alphanumeric Display, Library Introduction & I2C Bus Electronics
Sessions 5	Using breadboard, Arduino, & loose components	About light intensity meter, display on LEDs, 7-segment display & alphanumeric display
Sessions 6	Details about ELB, LEDs, 7 segment display programming & library introduction	Basics of IR sensor, hardware introduction & programming
Sessions 7	Basics of serial port monitor, random number generation & dice example	Basics of temperature sensor and actions based upon sensor
Sessions 8	Loops with examples	Using tilt sensor on a breadboard to detect tilt condition
Sessions 9	Loops with examples	Using alphanumeric display on the breadboard
Sessions 10	Case Statement - some interesting example	Using potentiometer to read & adjust voltage
Sessions 11	About debugging - error cases and fixes	Loose component exercise #1
Sessions 12	Functions	Moving to the Next Stage - a Glimpse



ROBOTICS- 12 Months

Sessions	EXPLORATION OF ROBOTICS 1 to 12 Sessions	FOUNDATION OF ROBOTICS 13 to 24 Sessions	PRODUCT PROTOTYPING 25 to 36 Sessions	GO-TO MARKET 37 to 48 Sessions
Sessions 1	Exciting world of microcontroller & street light	Breadboard and using breadboard on Tinkercad	Identify User's Need	Introduction to E-commerce
Sessions 2	LED blinking and coding with street light & installation of IDE	Using Breadboard with ELB V2 Kit & Tri Color LED	Define Problem	Ecommerce platform & configuring selling platforms
Sessions 3	Basics of electronics, closed and short & electronics components	About push button, 7-segment display & random number generation	Ideation	Concepts of sales and operation planning
Sessions 4	Breadboard and using breadboard on Tinkercad	Basics of 16x2 Alphanumeric Display, Library Introduction & I2C Bus Electronics	Gathering Components	Concepts of digital marketing and digital advertising
Sessions 5	Using breadboard, Arduino, & loose components	About light intensity meter, display on LEDs, 7-segment display & alphanumeric display	Preparation	Basics of accounting
Sessions 6	Details about ELB, LEDs, 7 segment display programming & library introduction	Basics of IR sensor, hardware introduction & programming	Prototyping Session 1	About procurement, inventory management, warehouse management & shipping
Sessions 7	Basics of serial port monitor, random number generation & dice example	Basics of temperature sensor and actions based upon sensor	Prototyping Session 2	Concepts of managing finances
Sessions 8	Loops with examples	Using tilt sensor on a breadboard to detect tilt condition	Prototyping Session 3	About eCommerce & back office
Sessions 9	Loops with examples	Using alphanumeric display on the breadboard	Testing 1	Concepts of analytics & insights
Sessions 10	Case Statement - some interesting example	Using potentiometer to read & adjust voltage	Testing 2	Basics of taxations & insurance
Sessions 11	About debugging - error cases and fixes	Loose component exercise #1	Final Evaluation	About customer relationship management
Sessions 12	Functions	Moving to the Next Stage - a Glimpse	Planning Future Prospects	