MOONCAMP ROBOTICS

MOONSHOT Jr
Transforming Curious Minds

FOR AGES 8-15 YEARS

Experience interactive hands-on learning in robotics to enhance futuristic skills & foster an entrepreneurial mindset.

4 Weeks
3 Hour Sessions/day

Starts at just

$999

REGISTER TODAY

MOONCAMP HIGHLIGHTS

Virtual Live Sessions

Group Projects

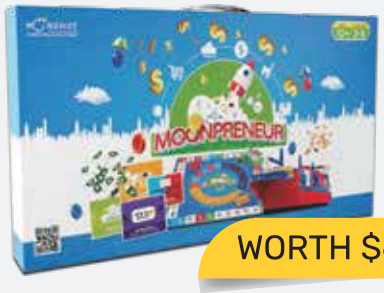
Soft & Life Skills Sessions

Hands-on Learning

Competition and Exercises

LEARNING KITS

(Price included in the camp fee and will be shipped to you post-registration)



WORTH $60

MOONPRENEUR

A business strategy board game to build an entrepreneurial mindset

WORTH $30

TRAFFIC LIGHT DIY KIT

A DIY kit for hands-on experience on electronics and coding

WORTH $60

EMBEDDED LEARNER V2

A kit designed for tech enthusiasts to acquire technical skills

LEARNING OUTCOMES

EDUCATIONAL BENEFITS

- STEAM Learning
- Outcome-focused Learning
- Skill-based Learning
- Helps Develop Entrepreneurial Mindset
- Creative Stimulation

FUTURISTIC BENEFITS

- Entrepreneurial Skills
- Problem-solving Skills
- Futuristic Skills Awareness
- Builds Interest in Robotics

SOCIAL BENEFITS

- Teamwork
- Leadership
- Negotiation Skills
- Communication Skills
- Emotional Intelligence

WHAT YOU WILL LEARN

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

REGISTER TODAY

Camp fee **$999**

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