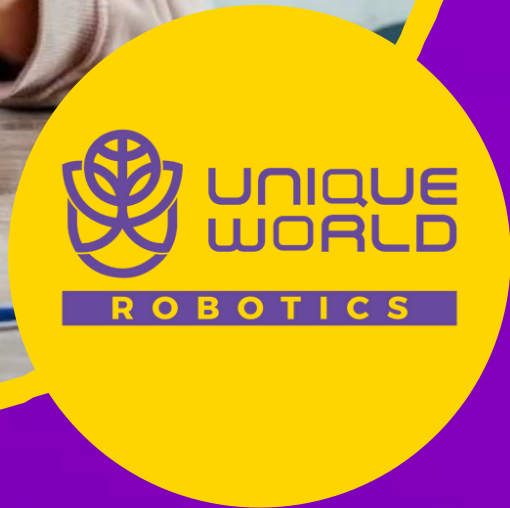




INNOVATE, EXPLORE & GROW



ROBOTICS HANDS-ON COURSES

**ENGAGE YOUR CHILD IN LEARNING ABOUT ROBOTICS,
CODING, ARTIFICIAL INTELLIGENCE AND MUCH MORE!**



JUNIOR BOT EXPLORERS

INTRODUCTION TO ROBOTICS & CODING

AGE - 5 TO 9

NO: OF SESSIONS=12

**COURSE DURATION-
12 HOURS**

ONE CLASS PER WEEK

*First 15 students
gets AED 100 OFF*

EARLY BIRD
DISCOUNT



DESIGN

Upon exploring various manipulators and moving mechanisms, students will modify their robots according to the challenge statement



PROJECT

Students will build robots using building blocks and will incorporate different motors and sensors onto the robots to improve their performance



CODING

Students will learn how to control the motors and how to coax the machine into waiting for certain conditions to be met and guide a robot through set of courses through coding

WHY JOIN THIS COURSE?

Through this course, students will learn the fundamentals of robotics, explore fascinating origins of manipulators and various mechanisms, as well as the tasks that they help people accomplish on earth and in space.

It provides hands-on experience on STEM solutions using the resources to design, build and program robotics models that are based on real-life applications.

THE BOT CREATORS

CODING & ROBOTICS

*First 15 students
gets AED 100 OFF*

EARLY BIRD
DISCOUNT

AGE - 10 +

NO: OF SESSIONS=12

**COURSE DURATION-
18 HOURS**

ONE CLASS PER WEEK



DESIGN

Learn the principles of robot design, including how to construct and optimize robotic structures using LEGO components for enhanced functionality and performance.



PROJECT

Learn to create a diverse range of projects, from simple obstacle-avoidance robots to more complex automation and interactive devices.



CODING

Learn essential coding skills, enabling them to program their robots to perform specific tasks and solve real-world challenges using intuitive and visual coding blocks.

WHY JOIN THIS COURSE?

- ▶ Through this course, students gain a deeper understanding of robotics technology and its real-world applications, sparking their curiosity and paving the way for a lifelong interest in STEM fields.
- ▶ Your child will also develop teamwork and collaboration skills as they work on group projects, enhancing their ability to communicate and cooperate effectively with peers.

ARTIFICIAL INTELLIGENCE & ROBOTICS COURSE

First 15 students gets AED 100 OFF

EARLY BIRD DISCOUNT



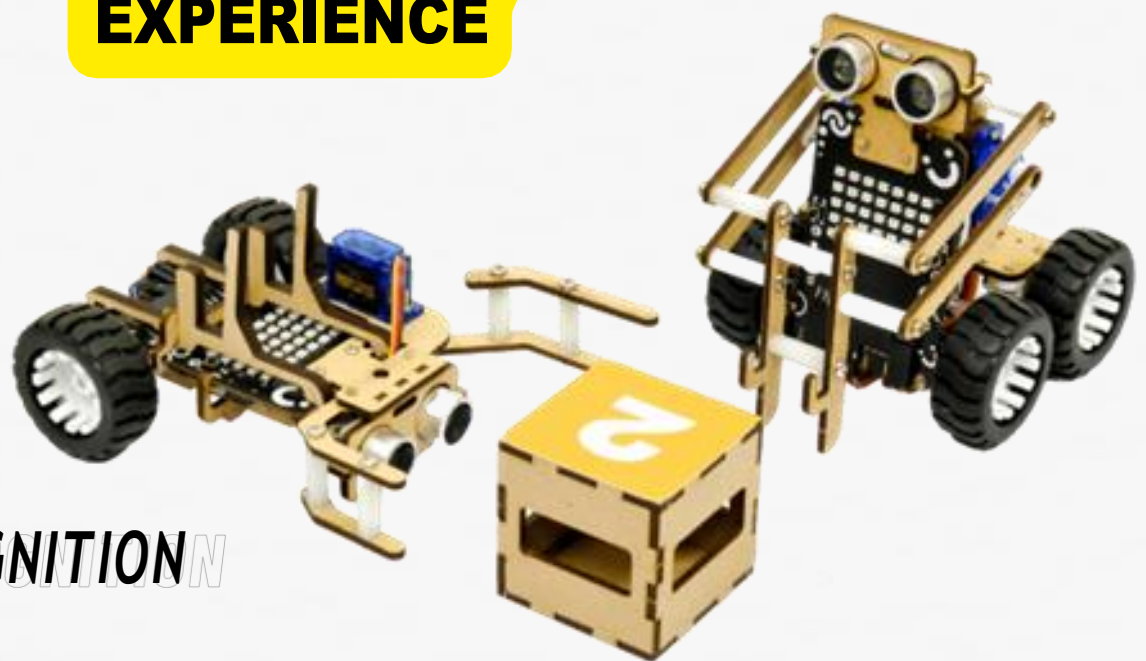
GET ENGAGED WITH FUN-FILLED CUTTING EDGE TECHNOLOGIES OF THE FUTURE WITH HANDS-ON EXPERIENCE

AGE - 8+

NO: OF SESSIONS=12

COURSE DURATION-18 HOURS

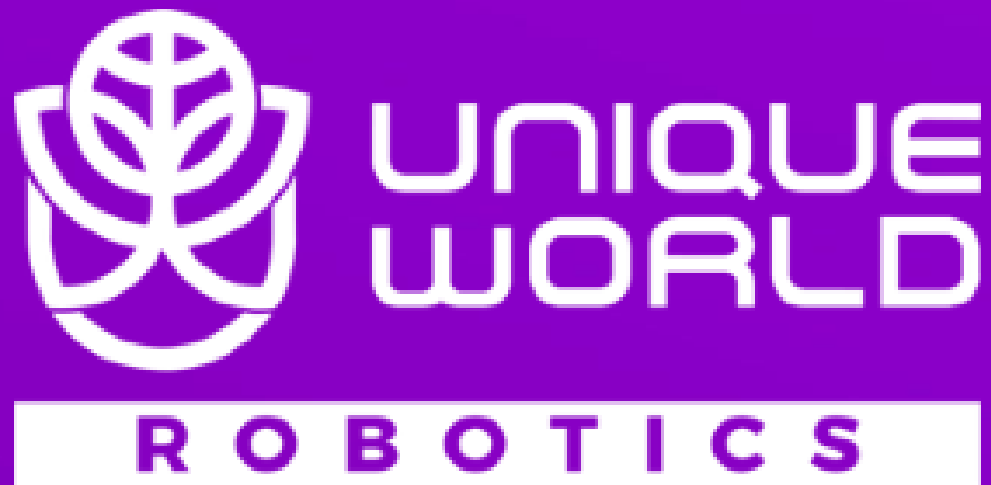
ONE CLASS PER WEEK



- ▶ **FACE DETECTION AND RECOGNITION**
- ▶ **OBJECT DETECTION**
- ▶ **GESTURE RECOGNITION**
- ▶ **DESIGN AND BUILD PICK AND PLACE ROBOT**
- ▶ **AI INTEGRATED ROBOTICS**

WHY JOIN THIS COURSE?

- ▶ Explore the latest advancements in artificial intelligence and robotics, equipping yourself with the skills to shape the future of technology and automation.
- ▶ Gain hands-on experience in programming autonomous robots, develop expertise in machine learning and computer vision, and master the art of designing intelligent systems that can solve real-world challenges.



**STEM.ORG CERTIFIED | DEDICATED MENTOR SUPPORT |
AGEWISE PROGRESSIVE CURRICULUM | DESIGNED BY UAE'S
MOST SUCCESSFUL ACADEMIC TRAINING TEAM |
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CURRICULUM | ALIGNED TO ALL MAJOR INTERNATIONAL
CURRICULA | EXPERIENCED TRAINERS FROM INDUSTRY &
ACADEMIA**



Al Tareeq Al Afdhal Training Center
Unit No-7, Ground Floor, Buhaira Building, Al Nahda, Sharjah, UAE