

# INVENT BUILD TRANSFORM

# ROBOTICS

## Course Overview

Whether you're a curious elementary school student or an ambitious high schooler, robotics offers a fascinating blend of technology, creativity, and problem-solving. This one-page brochure is your gateway to a world of endless possibilities.

## Why Robotics?

**Fun and Creativity:** Robotics is like bringing your wildest imaginations to life! Design and build your own robots, and watch them perform amazing tasks.

**STEM Learning:** Robotics is a perfect way to explore Science, Technology, Engineering, and Math (STEM) concepts in a hands-on, practical manner.

**Real-World Applications:** Robotics plays a crucial role in industries like medicine, space exploration, and manufacturing. Learning robotics now can prepare you for the future.

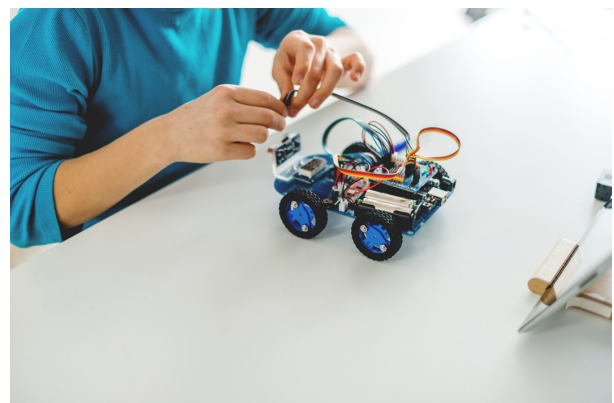
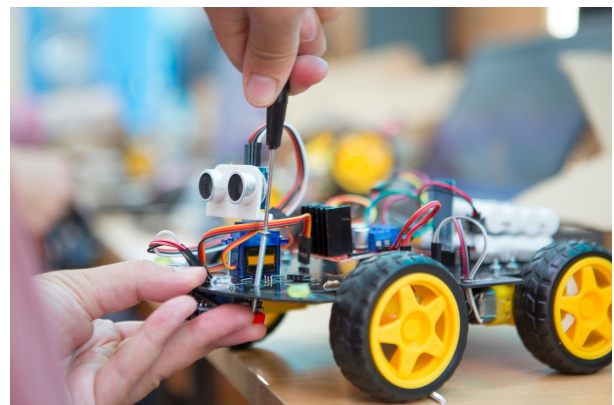
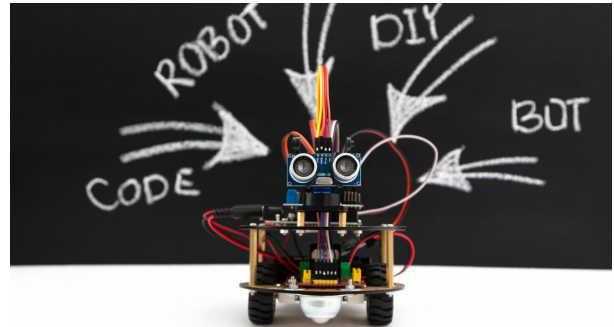
## What You'll Learn

**Engineering:** Gain a deep understanding of how robots are constructed, from basic parts to complex mechanisms.

**Programming:** Learn how to program robots to follow your commands and make decisions autonomously.

**Teamwork:** Collaborate with peers to tackle challenges, fostering important teamwork and communication skills.

**Competitions:** Participate in robotics competitions and showcase your skills on a national or even international level.



**Are you ready to embark on an exciting journey into the world of robotics?**

## Duration

**Basic** - 5 hrs  
**Advanced** - 15 hrs



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