



RASPBERRY PI ROBOTICS

Course Description

This course will teach students how to build a robot car with Raspberry Pi and Python. The car uses a step-down DC-DC converter module and a motor driver module with L298N. It also has a web cam with a USB Wi-Fi adapter so the user can check the video in a real-time on PC or cell phone. On the PC, the user can control the car's forward/backward and left/right movements, as well as vertically and horizontally to capture images in all different directions. (For Grade 6+ students)



Lesson 1: Python Basics
Lesson 3: OOP - 1
Lesson 5: Assembly Car
Lesson 7: Remote Control
Lesson 9: Avoid Obstacle

Lesson 2: Functional Programming
Lesson 4: OOP - 2
Lesson 6: Car Movement
Lesson 8: Line Following
Lesson 10: Light Follower



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We demystify a complex technology

We provide an effective way of introducing programming to students

We help students develop critical thinking skills

We teach students how to turn frustration into innovation

Our students enjoy hands-on construction activities

TUITION DISCOUNT
5% off each for group of 3

\$518
10 Weekends
2 hrs. each class

Location: Memorial

Pre-registration:
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