SOLVEDIA
LEARNING CENTRE

CODING FOR KIDS
PROGRAM

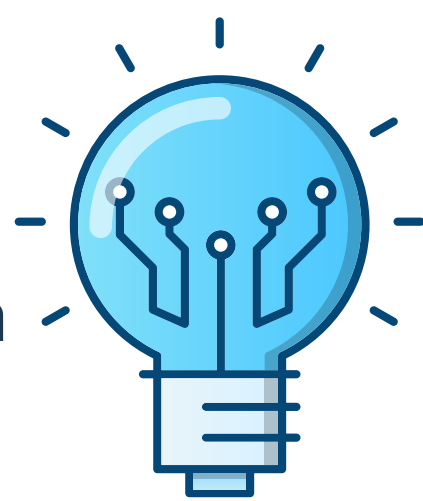## IN THIS COURSE YOU WILL:

1 **Learn**

- computational concepts and develop basic programming skills;
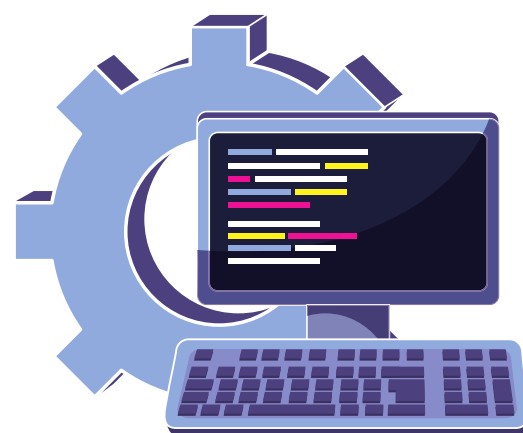- basic electronics and computer science principles.

2 **Understand**

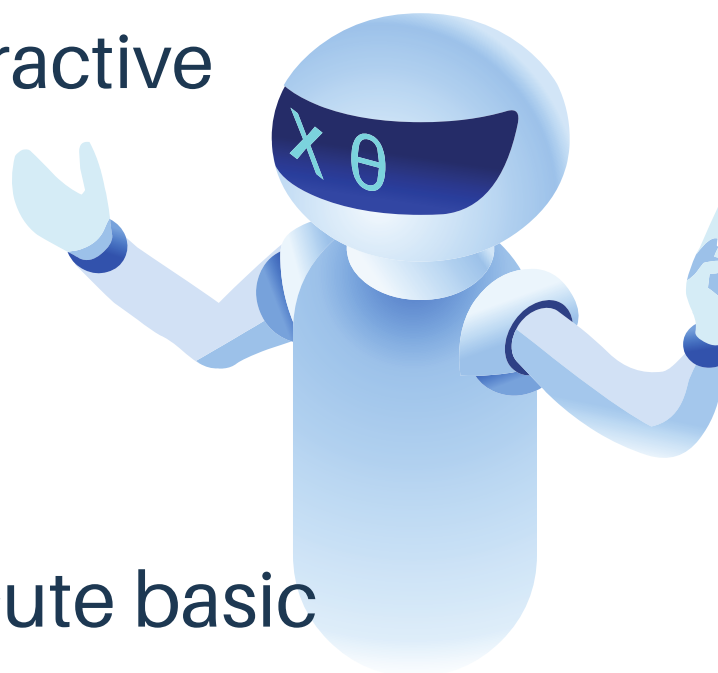- the role of computation in solving real world problems.

3 **Write**

- small programs to accomplish useful goals.

4 **Develop**

- 2d and 3d interactive games

5 **Execute**

- write and execute basic programs on low level hardware to physically interact with the real world
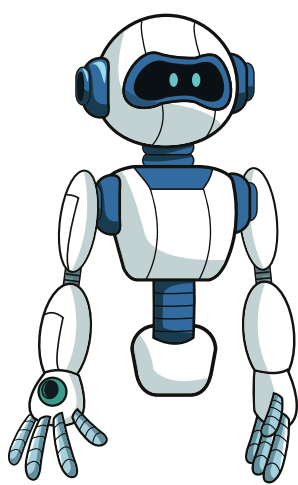
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In this course you will learn basic programming skills and apply them to:
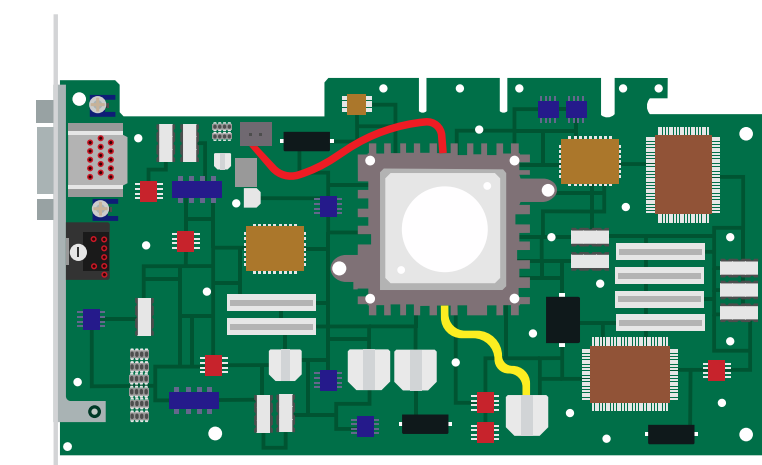
Solve real world problems.

Work with robots.

Make computer games.

Have fun and meet new friends!!

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In this course will start by understanding core programming concepts applicable to all programming languages, and then more specifically focus on a few languages in particular: Python, C#, and Javascript.

We will use what we learn to create simple console applications to solve real world problems, develop interactive 2d and 3d games, interact with the real world through basic electronic engineering, and more..

In this course our main focus will be general computational and programming concepts that apply to almost all fields of computer science. We will explore different aspects of programming applications ranging from robotics, console applications to interactive 2D and 3D games.