**Arduino platform and C programming**

**What is Arduino?**

Working with microcontrollers, an Open-source electronic platform.

Products for IoT applications, wearable, 3D printing, and embedded environments.

**Why Arduino?**

* Inexpensive
* Cross platform
* Simple, clear programming environment
* Open source and extensible software
* Open source and extensible hardware

**Arduino Environment**

* A development board
* 8-bit microcontroller
* USB port to connect with the computer

IDE- Integrated Development Environment

**Special-purpose “shiels”**

* Daughter boards
* Unique functionalities
* Easy to attach
* Good libraries provided
* Pre-wired